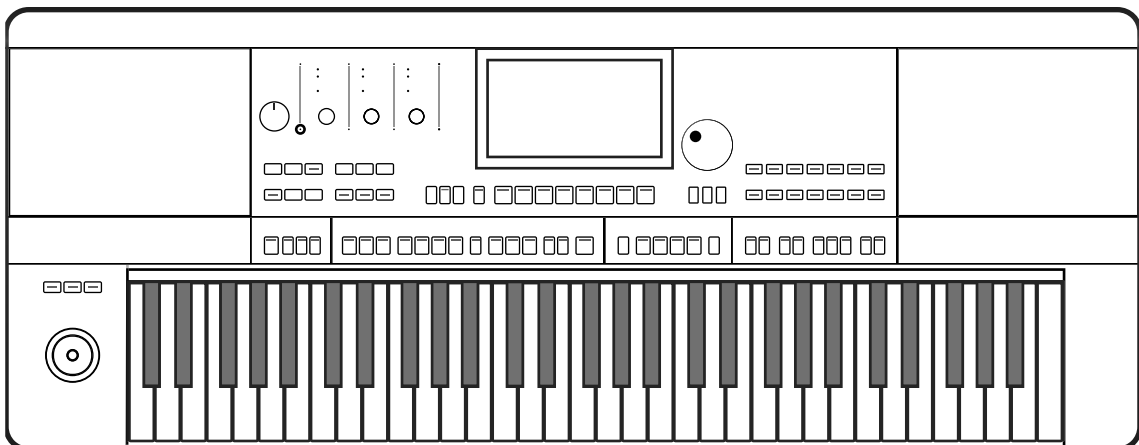


ACCOMPANIMENT KEYBOARD

Owner's Manual



INFORMATION FOR YOUR SAFETY!

THE FCC REGULATION WARNING (for USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

CAUTION

The normal function of the product may be disturbed by Strong Electro Magnetic Interference. If so, simply reset the product to resume normal operation by following the owner's manual. In case the function could not resume, please use the product in other location.

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

Power Supply

Please connect the designated DC adaptor to an AC outlet of the correct voltage.

Do not connect it to an AC outlet of voltage other than that for which your instrument is intended.

Unplug the DC power adaptor when not using the instrument, or during electrical storms.

Connections

Before connecting the instrument to other devices, turn off the power to all units. This will help prevent malfunction and / or damage to other devices.

Location

Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:

- Direct sunlight
- Extreme temperature or humidity
- Excessive dusty or dirty location
- Strong vibrations or shocks
- Close to magnetic fields

Interference with other electrical devices

Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

Cleaning

Clean only with a soft, dry cloth.

Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

Handling

Do not apply excessive force to the switches or controls.

Do not let paper, metallic, or other objects into the instrument. If this happens, remove the electric plug from the outlet. Then have the instrument inspected by qualified service personnel.

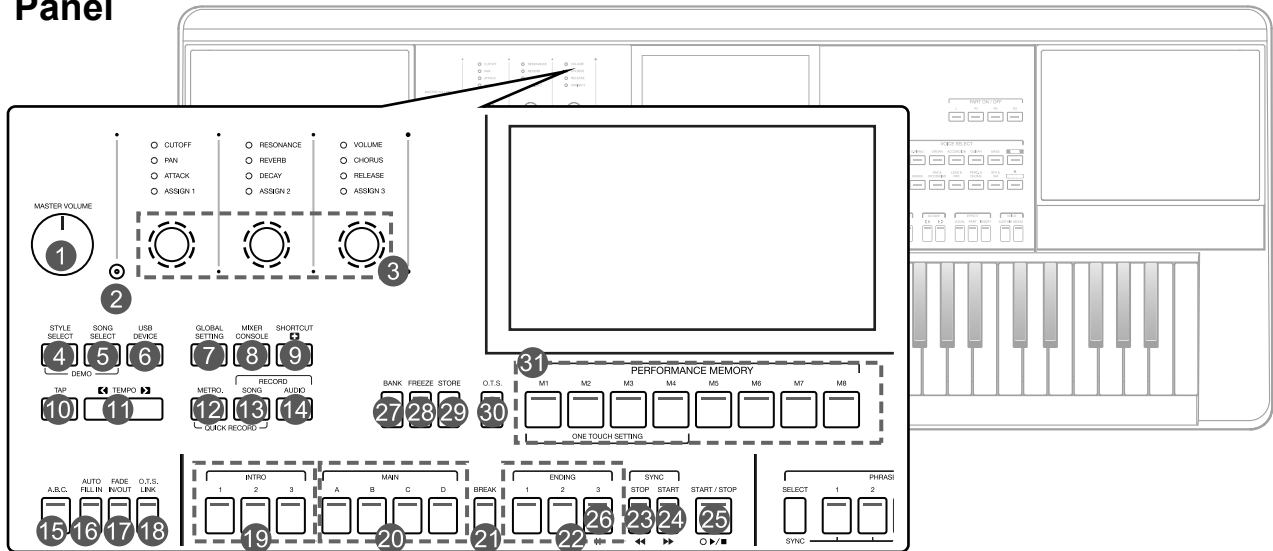
Disconnect all cables before moving the instrument.

Panel & Display	5	Style Recording	42
Panel	5	Basic Parameters of Styles.....	43
Main Display	7	Further Editing a Style	48
Setup	8	Recording your Performance as a New Style	58
Power Supply	8	Listen to the Edited Style	59
Installing the Music Stand.....	8	Saving Edited Style.....	60
Connecting the Headphones.....	8	Setting Style O.T.S. (One Touch Settings).....	60
Connecting a Footswitch/Expression Pedal	9	Saving, Deleting or Renaming the User Style.....	62
Connecting External Equipment.....	10	Song and Audio	64
Basic Operation	11	Playing Song and Audio	64
Selection Operation.....	11	Selecting Songs	64
Using the Soft Keyboard.....	12	Playing on the Keyboard During Song Playback	64
Settings Operation.....	13	Operating Song Playback	65
Parameter Adjustment.....	13	Add Songs to “My Favorites”	67
Shortcut +	15	Audio Playback	68
Factory Reset	15	Operating Audio Playback.....	68
Voices	16	Real-time Audio Processing.....	70
Playing Voices	16	Song Recording and Audio Recording	71
Turning on the Part Switch, Selecting and Playing a		MIDI Recording.....	71
Voice	16	Editing a Recorded MIDI Song	76
Add a Voice to “My Favorites”	17	Audio Recording	79
Playing Voice Demo.....	18	Saving, Deleting and Renaming the User Song	80
Playing Two or Three Voices Simultaneously	18	Phrase Pad	83
Playing Different Voices with Both Hands.....	19	Selecting a Phrase Pad	83
Setting the Split Point.....	19	Playing a Phrase Pad	83
Using Keyboard Latch.....	20	Playing One or More Phrase Pads	83
Setting the Keyboard Touch Sensitivity.....	20	Stop Playing Phrase Pad	84
Using Transpose and Octave to Change Pitch	21	Set Phrase Pad to Standby Status	84
Adding Effects to Voices	22	Playing Phrase Pad with A.B.C.	84
Using the Joystick to Adjust Pitch and Voice	23	Album	85
Editing Voices.....	24	Selecting an Album and Playing the Keyboard.....	85
Editable Parameters	24	Add Albums to “My Favorites”	85
Saving the Edited Voice	27	Add or Delete an Album.....	86
Saving, Deleting or Renaming a User Voice.....	29	Add a User Album	86
Auto Accompaniment	32	Delete a User Album	87
Using Styles	32	Searching For an Album	87
Selecting Various Styles	32	Demo	89
Playing the Percussion Tracks of a Style.....	33	Mixer	90
Playing All Tracks of a Style.....	33	Adjusting Volume and Pan on Keyboard Parts.....	90
Add a Style to “My Favorites”.....	34	Turn ON/OFF Insert Effect (IFX).....	91
Split Point Settings.....	34	Adjusting Volume of Style, Phrase Pad and Song.....	92
Chord Basics.....	35	Adjusting Volume of Input/Output Audio	92
Setting Chord Detect Mode.....	38	Control Channel Volume of Style	93
Style Playback	39	Control Song Track Volume.....	94
Adjusting the Tempo	41	Performance Memory	96
Metronome.....	42	Selecting a Bank and a Performance Memory	96
One Touch Setting	42	Selecting a Performance Memory Bank	96
		Bring Up a Performance Memory	96
		Save Settings as a Performance Memory.....	97

Contents

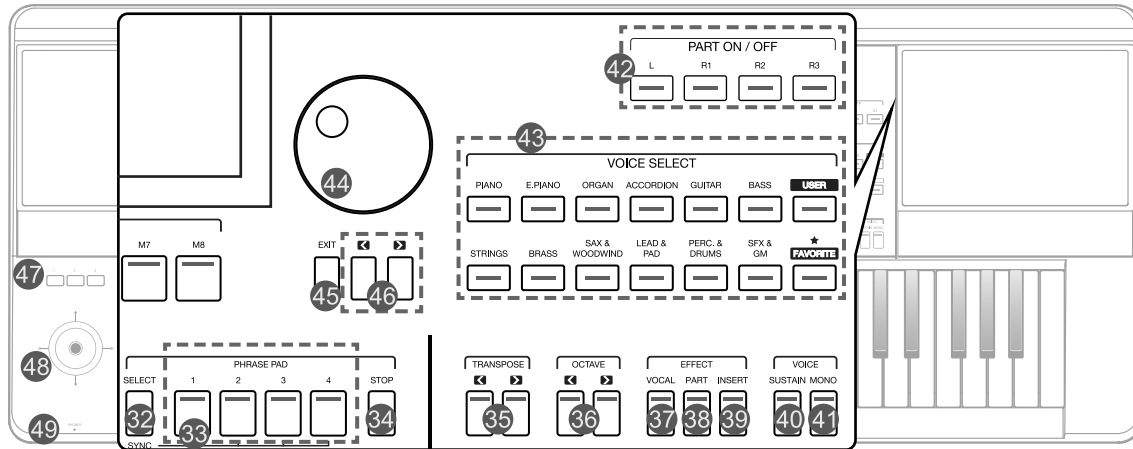
Clear Performance Memory	97	Using Vocoder	136
View Basic Information	97	Using Vocal Harmony	137
Add the Bank to “My Favorites”	98	Scale Tuning	138
Freezing the Settings.....	99	Master Tuning.....	138
Saving, Deleting, and Renaming a Performance Memory Bank	99	Scale Tuning.....	139
Sorting User Performance Memory Banks.....	101	Turn On and Select Scale.....	139
DSP Effects	102	Preset Temperament Introduction.....	140
Global Effect.....	102	Custom Scales.....	141
Selecting Global Effect.....	102	Saving and Using Special Scales	141
Adjusting Effect Level	104	MIDI I/O	143
Adjusting Parameter Values.....	104	MIDI Introduction	143
Saving and Selecting User Global Effect.....	105	The MIDI Interface	143
Insert Effect	106	MIDI IN Settings	143
Global EQ.....	106	MIDI OUT Settings	145
Selecting Global EQ	106	USB Storage Devices	147
Adjusting EQ Parameters	107	USB Storage Device Compatibility	147
Saving and Selecting User EQ	107	File Operations	147
Loudness EQ	108	View USB Storage Device Usage.....	148
Channel EQ.....	109	Formatting a USB Storage Device.....	148
Global Compressor.....	109	View File Information	148
Turn ON/OFF Compressor.....	110	Execute Files	149
Adjusting Compressor Parameter.....	110	Saving, Deleting, and Renaming Files	149
Keyboard Part Effects	111	Utility Settings	151
Harmony	111	Basic Playing Settings	151
Select and Turn on Harmony	112	Metronome Settings.....	151
Harmony Types.....	113	Fade In/Out Settings	152
Harmony Adjustment Parameters	114	Tap Tempo Settings	152
Arpeggios	115	Speaker Mode Settings.....	153
Select and Turn On Arpeggio.....	115	Display Theme Settings.....	153
Arpeggio Types.....	116	Adjusting Display Brightness.....	154
Arpeggio Parameter.....	117	Selecting High Contrast Mode	154
Saving User Arpeggios	120	Change Theme Color.....	154
Slicer.....	121	System Settings.....	155
Select and Turn On Slicer	121	Date & Time	155
Adjusting Real-time Slicer.....	122	Auto Power Off.....	155
Controllers	123	Modify User and Device Name	156
Knobs	123	Clear User Data	156
Selecting knob function.....	123	Troubleshooting	157
Resetting Knob Parameters.....	125	Specifications	158
Foot Pedals	125	Appendices	
Assign Buttons.....	126	Voice List.....	160
Joystick.....	128	Style List.....	182
Setting the Pitch Bend Range	129	Song List.....	185
Setting the Modulation Rate	130	Phrase Pad List	186
Microphone	131	Chord List	188
Turn on Microphone	131	Part Effect List	189
Selecting Microphone Mode	132	Insert Effect List.....	190
Adjusting Basic Microphone Parameters	133	Controller Function List.....	191
Turn On and Select Mic Effects	135	MIDI Implementation List.....	193

Panel

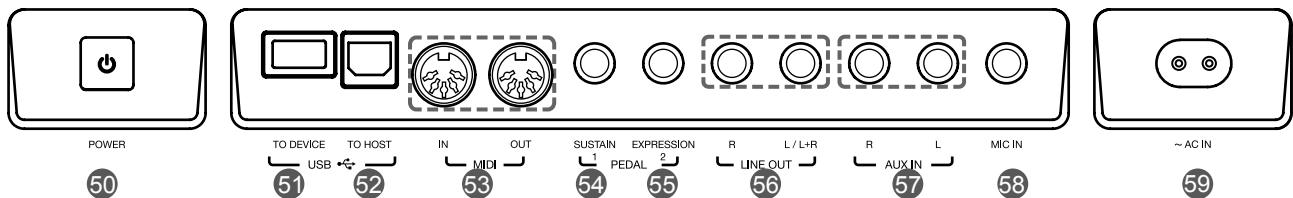


1	MASTER VOLUME KNOB	Adjust the master volume.
2	SELECT BUTTON	Select the GROUP KNOBS effect combinations sequentially.
3	GROUP KNOBS	Adjust the parameter of corresponding function.
4	STYLE SELECT BUTTON	Enter the STYLE SELECT menu.
5	SONG SELECT BUTTON	Enter the SONG SELECT menu.
6	USB DEVICE BUTTON	Enter the USB DEVICE menu.
7	GLOBAL SETTING BUTTON	Enter the GLOBAL SETTING menu.
8	MIXER CONSOLE BUTTON	Enter the MIXER interface.
9	SHORTCUT+ BUTTON	Quick access to specific function menus.
10	TAP BUTTON	Press to control the tempo.
11	TEMPO [<], TEMPO [>] BUTTONS	Adjust the current tempo.
12	METRO. BUTTON	Turn the Metronome on or off.
13	SONG RECORD BUTTON	Enter the RECORD SONG menu.
14	AUDIO RECORD BUTTON	Arm Audio Recording.
15	A.B.C. BUTTON	Turn A.B.C. MODE on or off.
16	AUTO FILL IN BUTTON	Turn AUTO FILL IN on or off.
17	FADE IN/OUT BUTTON	Turn FADE IN or OUT on or off.
18	O.T.S. LINK BUTTON	Turn the O.T.S. LINK on or off. When turned on, the One Touch Settings can be changed when you select a different style.
19	INTRO 1, 2, 3 BUTTONS	Play the intro part of the selected Style .
20	MAIN A, B, C, D BUTTONS	Play the main part of the selected Style.
21	BREAK BUTTON	Play the break of the selected Style.
22	ENDING 1, 2, 3 BUTTONS	Play the ending of the selected Style.
STYLE CONTROL		
23	SYNC. STOP BUTTON	Turn the SYNC. STOP on or off.
24	SYNC. START BUTTON	Turn the SYNC. START on or off.
25	START/STOP BUTTON	Start or stop the Style playback.
SONG CONTROL		
23	RW BUTTON	Rewind the song.
24	FF BUTTON	Fast forward the song.
25	PLAY/STOP BUTTON	Play or stop the song.
26	PAUSE BUTTON	Play or pause the song.
27	BANK BUTTON	Enter the MEMORY menu.
28	FREEZE BUTTON	Turn the FREEZE function on or off.
29	STORE BUTTON	Save the current panel setup to one of the memory banks.
30	O.T.S. BUTTON	Switch to O.T.S. function.
PERFORMANCE MEMORY		
31	M1-M8 BUTTONS	Save or recall a panel setting.

Panel & Display



ONE TOUCH SETTING		
31	M1-M4 (O.T.S.1-O.T.S.4) BUTTONS	Call up the panel settings that match the current style.
32	PHRASE PAD SELECT BUTTON	Enter the PHRASE PAD menu.
33	PHRASE PAD 1, 2, 3, 4 BUTTONS	Start the percussion and melodic phrases playback.
34	PHRASE PAD STOP BUTTON	Stop the percussion and melodic phrases playback.
35	TRANSPOSE [<], TRANSPOSE [>] BUTTONS	Shift the keyboard pitch value in semitone steps.
36	OCTAVE [<], OCTAVE [>] BUTTONS	Shift the keyboard pitch value in octave steps.
37	VOCAL EFFECT BUTTON	Turn the microphone VOCAL EFFECT of microphone on or off.
38	PART EFFECT BUTTON	Turn the keyboard PART EFFECT on or off.
39	INSERT EFFECT BUTTON	Turn the voices INSERT EFFECT on or off.
40	SUSTAIN BUTTON	Turn the SUSTAIN on or off.
41	MONO BUTTON	Turn MONO on or off.
42	PART L, R1, R2, R3 ON/OFF BUTTONS	Turn the keyboard PART L, R1, R2, R3 on or off.
43	VOICE SELECT BUTTONS	Enter the VOICE SELECT interface and select voices.
44	DATA DIAL	Change the value of the current selection.
45	EXIT BUTTON	Exit the current menu and return to the previous display.
46	[<], [>] BUTTONS	Change the value of the current selection.
47	ASSIGN 1, 2, 3 BUTTONS	Turn the ASSIGN function on or off.
48	JOYSTICK	Control the pitch band, modulation or assign functions of the keyboard.
49	PHONES	Connect headphones.



50	POWER ON/OFF BUTTON	Turn the power on or off.
51	USB TO DEVICE JACK	Connect a USB storage Device.
52	USB TO HOST JACK	Connect to a computer.
53	MIDI IN/OUT JACKS	Connect other MIDI devices or equipment.
54	SUSTAIN PEDAL JACK	Connect a sustain pedal.
55	EXPRESSION PEDAL JACK	Connect an expression pedal.
56	LINE OUT JACKS	Connect to external speakers or mixer.
57	AUX IN JACKS	Connect external audio device to play through instrument speakers.
58	MIC IN JACK	Connect a microphone.
59	AC IN	Connect a standard AC 100~240V power adapter.

Main Display

The color LCD touch screen shows basic information on all current settings at a glance. Settings can be adjusted by touching the screen.



1	Voice	Displays Voice name and octave data of each part.	Use to select the voices of each part (L, R1, R2, and R3), for example: 1. Select the R1 part by pressing the R1 display. 2. Press it again to bring up the Voice Selection Display then select a voice for R1 from the list.
2	Chord	Displays the Chord name and related information.	Press the Chord display to view and adjust: • Chord Name • Chord Mode • Split
3	Style & Song	Displays the current Style or Song name.	1. Press the Style/Song icon to switch between the Style mode and Song mode. 2. Press the Style name (or Song) name to select Style or Song. 3. In Song mode, you can adjust certain parameters with the function buttons on the right.
4	Performance Memory	Display the currently selected Performance Memory name.	Press the Performance Memory name to select a Performance Memory Bank.
5	Phrase Pad	Displays the currently selected Phrase Pad Bank name.	Press the Phrase Pad Bank name to select a Phrase Pad.
6	Controllers	Displays the currently assigned function names of controllers.	Press the Controller name to set the controller function.
7	Others	Displays Transpose, Recording time, Speaker setup, Bluetooth Connection, Tempo, Current position in style or song playback and Time Signature information.	
8	Shortcut to setup pages	Displays quick entries of some setup pages.	Press "Split" to jump to the Split Setting menu. Press "Tune" to jump to the Tune setting menu. Press "Album" to jump to the Album display. Press "Effect" to jump to the Effect Setting menu.

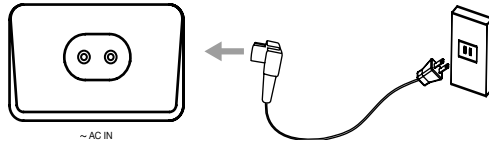
Setup

This section contains information about setting up your instrument and preparing to play.

Power Supply

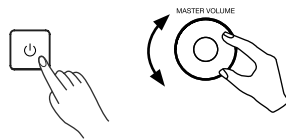
Connecting the Adapter

1. First, make sure the instrument ON/OFF switch is set to OFF and set the master volume level to minimum.
2. Connect the AC adapter to the power supply jack on the rear panel.
3. Plug the power adapter into an AC outlet.



Turning the Power On

1. Before you turn the instrument on or off, remember to turn the volume all the way down on any connected audio equipment. Thus will help prevent damage due to overload.
2. Press the [POWER] switch. The LCD will light up.
3. Rotate the [MASTER VOLUME] knob to set the desired volume level.



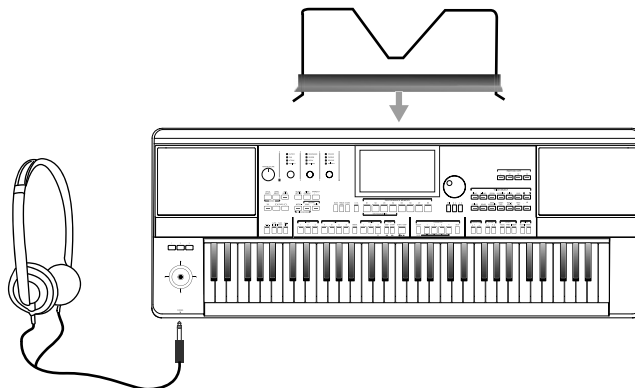
Note: Always turn the instrument on first before turning on the power of any connected external equipment. Likewise, turn the instrument off before turning off the power of other external equipment. To prevent damage, unplug the AC power adapter when the instrument is not in use and during electrical storms.

Installing the Music Stand

A music stand is supplied with the keyboard. Insert it into the slots at the rear panel to attach it to the instrument.

Connecting the Headphones

When a pair of stereo headphones (not included) is connected to the [PHONES] jack, the speakers will automatically switch off so that sound will only be heard in the headphones. This is ideal for private practice or late-night playing.



Tips: If you want the instrument speaker to remain on while using headphones, please refer to the section under "Utility" on speaker mode settings.

Note: To prevent hearing damage, do not use headphones at high volume or for long periods of time.

Connecting a Footswitch/Expression Pedal

This section will show you how to connect footswitches and pedals to take control of multiple instrument functions.

Connecting a Footswitch

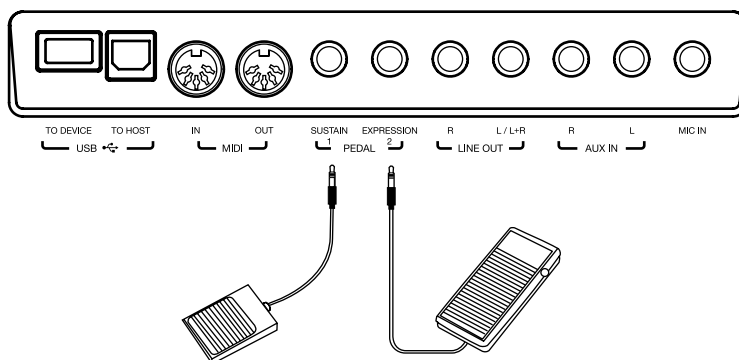
An external footswitch can be plugged into the sustain jack to be used to turn sustain on or off. When pressed on, you will have a natural sustain as you play.

Connect the footswitch to the [SUSTAIN PEDAL] jack as shown below.

Connecting an Expression Pedal

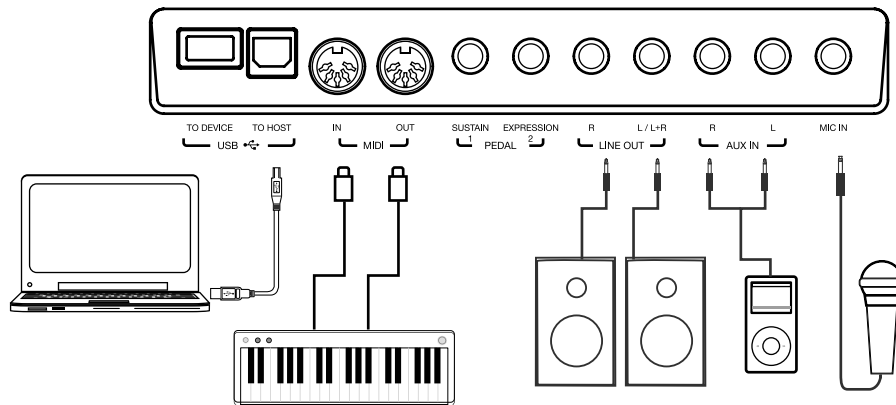
An external expression control pedal can adjust the volume of each part.

Connect the expression pedal to [EXPRESSION PEDAL] jack as shown below:



Tips: To assign functions to the pedals you've connected, refer to relevant section and set function on the Controller interface.

Connecting External Equipment



Connecting Audio Equipment

The [LINE OUT] jack send the instrument signal output to external audio equipment such as a keyboard amplifier, stereo sound system, mixing console, or recording interface.

When audio equipment is connected to the instrument, you can use the [MASTER VOLUME] knob to adjust the overall output volume.

If a microphone is plugged into the [MIC IN] jack, the microphone sound can also go out to your connected external audio equipment.

Note:	Turn off the power to every device before connecting or disconnecting external equipment. To avoid damaging the speakers, set the master volume level to minimum before turning on the power.
--------------	--

Connecting an MP3/CD Player

Plug an external audio player (MP3, CD, mobile phone) into the [AUX IN] jack to play music or backtracks through the instrument's built in speakers.

The instrument can also play music from an external audio source via Bluetooth.

Connecting a Microphone

Connect an external microphone to sing through the instrument's built in speakers.

1. Before connecting a microphone, make sure the microphone is turned off and its volume is set to minimum.
2. Connect the microphone to the [MIC IN] jack.
3. Turn on the microphone and slowly adjust the volume to optimum level.

Note:	Make sure the microphone is turned off and the volume is set to minimum before connecting to the instrument.
--------------	--

Tips:	To add effects to your voice, refer to the relevant section and selecting microphone effects on "Mic Settings" interface.
--------------	---

Connecting a Computer

Connect to a computer using the rear panel [USB TO HOST] JACK to transfer MIDI data between the instrument and your computer. You can also adjust instrument settings with the included software.

Connect the instrument directly to your computer with MIDI cables (not included).

The instrument can also send and receive MIDI data via Bluetooth.

Tips:	The MIDI jack is set as the default MIDI message connection. However, if USB MIDI or Bluetooth MIDI are connected, it will automatically switch to one of those. The instrument supports sending MIDI messages via MIDI, USB, and Bluetooth at the same time. Please refer to the "MIDI I/O" section for more details.
--------------	--

Connecting External MIDI Devices

By connecting a MIDI Keyboard or other MIDI device to the [MIDI IN] and [MIDI OUT] jacks, you can transfer MIDI data between the instrument and your devices.

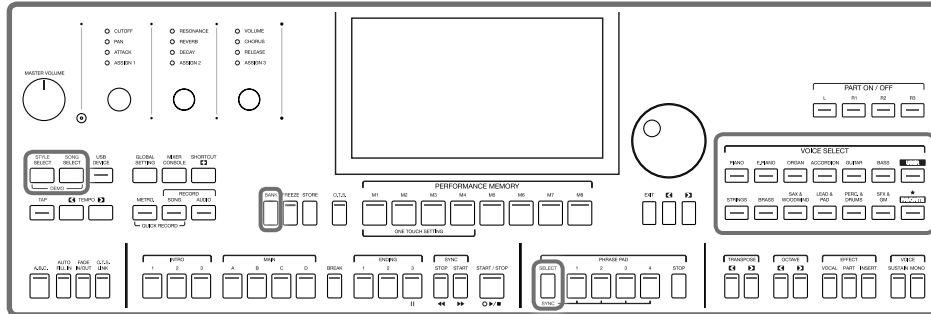
- MIDI IN: Receive MIDI messages from an external MIDI device.
- MIDI OUT: Transmits MIDI messages generated by the instrument.

Tips:	Please refer to the "MIDI I/O" section for more details.
--------------	--

Selection Operation

The selection menus include: voice selection, style selection, song selection, phrase pad bank selection, performance memory selection, and others.

Bring up the selection menus by pressing them on the touch screen or by pressing the panel buttons shown below.



Using the Voice Selection menu as an example, follow these steps to choose a file:



1. Data Location

- Preset: Preset data is stored here.
- User: Recorded or edited data is saved here.
- USB: Data on a USB storage device is saved here.

Tips: Some selection interfaces feature a "My Favorites" tab. Adding commonly used files to My Favorites lets you select them instantly.

2. Data Categories

Files are divided into categories according to type. Selected one by pressing its name on the screen. For example: Pressing "Piano" will select the Piano category.

3. File Browsing

Each page displays 10 files in the center of the screen. Use the page buttons at the bottom to switch to other pages.

If there are over 80 files in the category, press the Right/Left arrow buttons to scroll through the pages.

4. File Selection

Select a file by pressing the file name on the screen, for example, German Grand 1.

Basic Operation

Using the Soft Keyboard

To name or rename a file, press the soft keyboard button at the bottom right corner of the screen.



1. Deleting characters

Press the delete button to delete the previous character in the input field.
To delete all the characters in the input field at once, press and hold the delete button.

2. Moving the cursor

Press the right and left arrow buttons to move the cursor.

3. Entering capital characters

Press the CAPS button, and capital characters will be displayed.

4. Entering a space

Press the space button.

5. Entering numbers or symbols

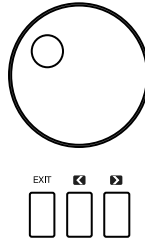
Press the ".?123" button, and numbers and symbols will be displayed.
After you finish editing, press the OK button to enter the new name and return to the previous display. Or, press the Cancel button to cancel the edit and return to the previous display.

Settings Operation

The instrument has a touch screen from which you can directly select files, adjust parameters, and change settings. These operations can also be made using the [DATA DIAL] and [←/→] buttons.

When adjusting parameter values, press the [←] and [→] buttons simultaneously to reset the parameter value.

To return from the current menu to the previous one, press the [EXIT] button. Press it repeatedly to return to the main menu.

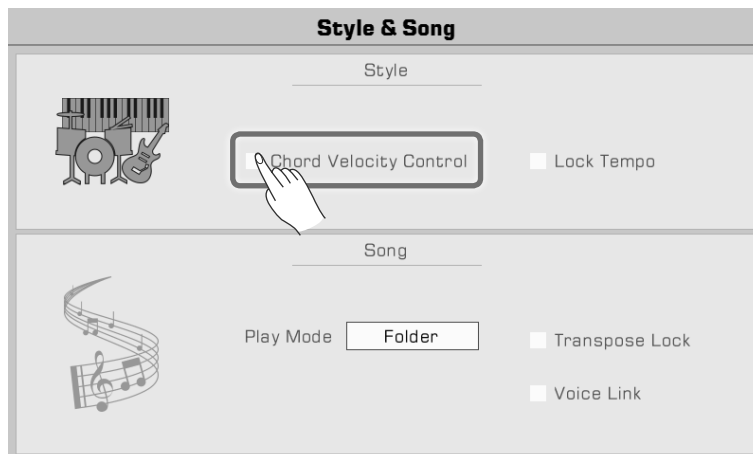


Parameter Adjustment

There are three types of parameters. Each requires a different way of operating the touch screen depending on the parameter.

1. ON/OFF

Some parameters (like the “Chord Velocity Control”), feature a checkbox that must be pressed to turn the function ON or OFF. Press it once to turn it on; press it again to turn it off.



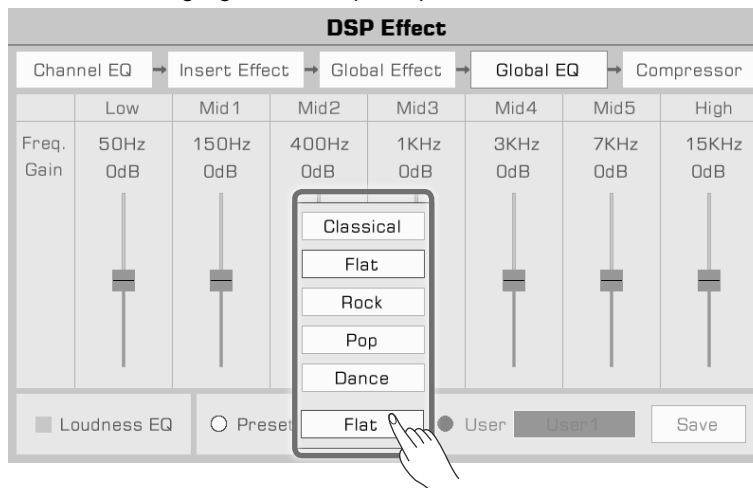
2. LIST

Some parameters (like “EQ”), come up as a list when you press the selection name.

There are three ways to select the parameter:

- Press the name on the touch screen.
- Use the [DATA DIAL].
- Use the [←/→] buttons.

The selected parameter will become highlighted. Then, press parameter name or another area to close the list.



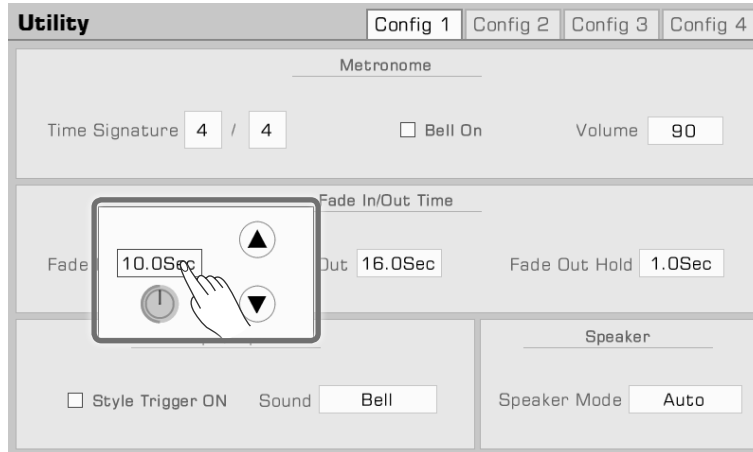
Basic Operation

3. DATA

Some parameters (like “Fade In Time”) feature a combo box.

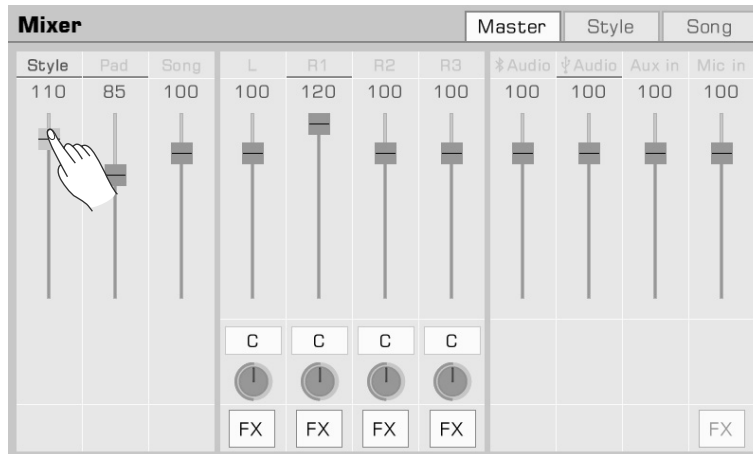
There are three ways to adjust the parameter:

- Press the up/down arrow button on the touch screen.
- Use the [DATA DIAL].
- Use [</>] buttons.



In some menus like “Mixer” or “Master EQ”, you can even use the virtual slider to adjust knob and fader values.

- Press and hold the slider, then move it up or down.
- When the slider is selected, you can also use [DATA DIAL] or [</>] buttons to adjust the value.

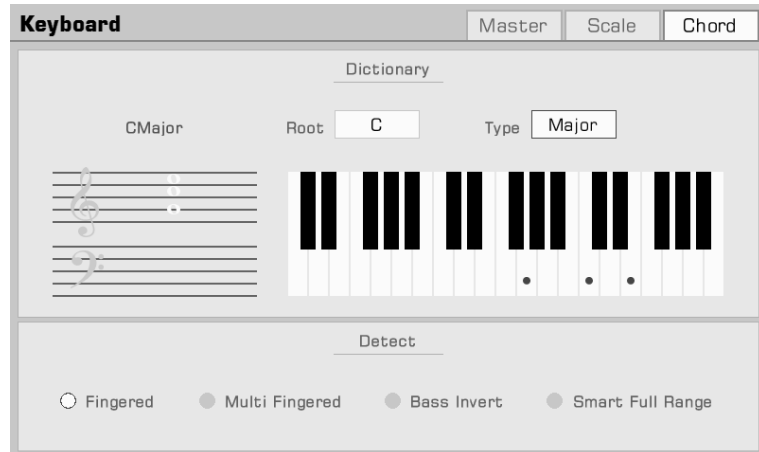
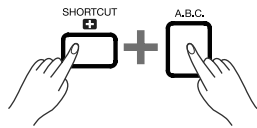


Shortcut +

Although the instrument has many interfaces, there is a way to quickly bring up the interface you need just by using [SHORTCUT+] button.

1. Press and hold the [SHORTCUT+] button.
2. Press other buttons while holding the [SHORTCUT+] button.

For example, hold [SHORTCUT+] and press the [A.B.C. Button] to display the chord setting.

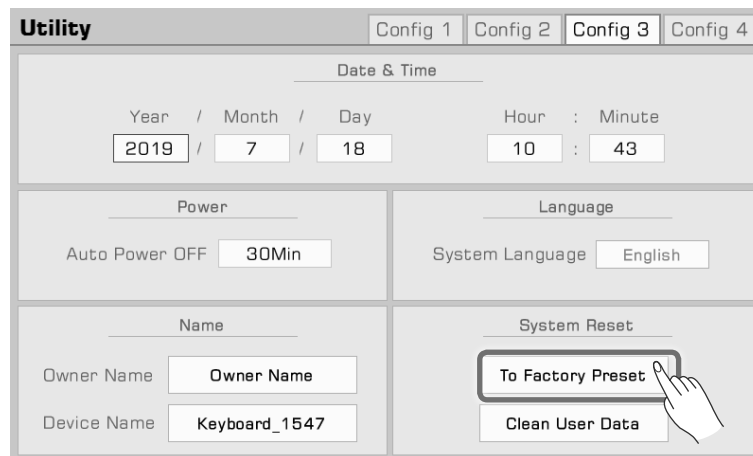


Tips: Hold [SHORTCUT+] and use the keyboard, pedal or joystick to get direct access to menus. Please refer to the relevant section for more details.

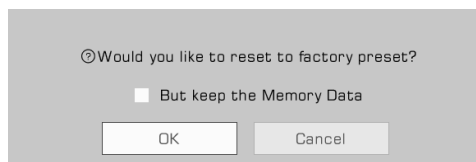
Factory Reset

You can restore the instrument to factory settings as follow:

Enter the "Global Settings - Utility" menu and press the "To Factory Preset" button in the "Config 3" Tab.



When performing a factory reset, you have the option of retaining your saved data.



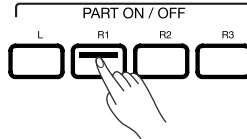
Playing Voices

The instrument features a variety of realistic voices, divided into several categories according to their tonal characteristics.

Playing Voices

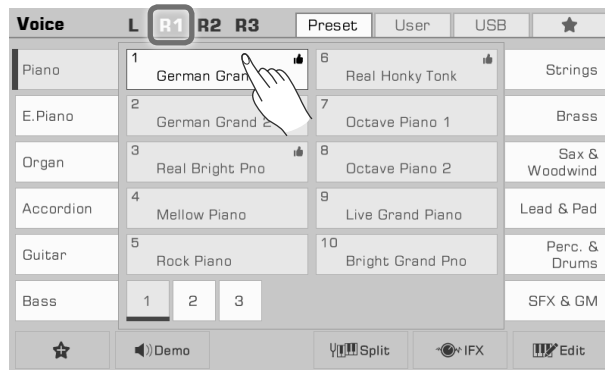
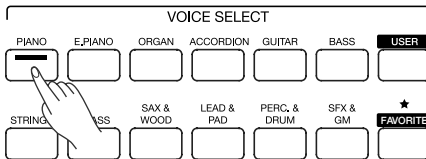
Turning on the Part Switch, Selecting and Playing a Voice

1. Press the the [R1] button to turn it on.

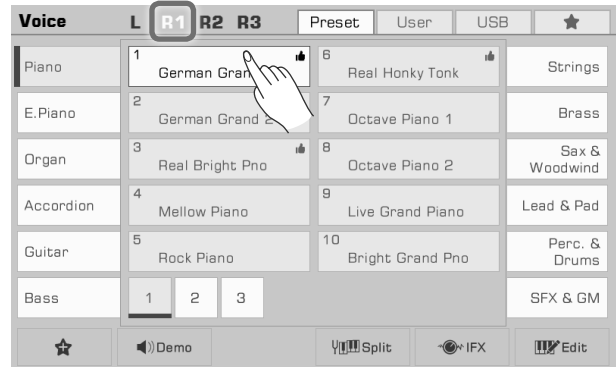


2. There are two ways to select voices:

- Press one of the [Voice Select] buttons to bring up the corresponding voice selection menu. From there, make a selection by pressing the voice name. Each category will display different voices.

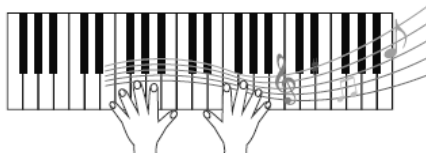


- Press the R1 area in the main display to bring up the corresponding category. From there, switch categories or pages by using the touch screen.



To select User Voice, press the “User” tab or “USB” tab to bring up that menu.

3. Once the voice is selected, you may begin playing.

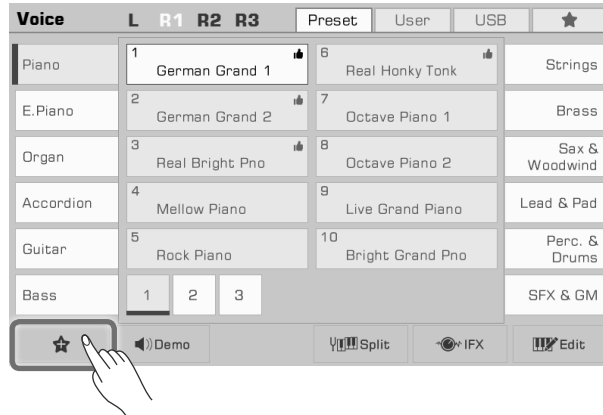


Tips: All of the presets in this instrument feature high quality voices. Voices with a “👍” icon are our recommended favorites.

Add a Voice to “My Favorites”

Get quick access to your favorite voices by adding them to “My Favorites”:

1. Press the “Add to Favorites” star icon button at the bottom. A star will appear to the right of the selected voice name. Press the button again to remove it from “My Favorites”.



2. Press the “My Favorites” tab to see the list of the voices you added. You can remove any of the voices in this menu anytime. You can also access this menu by pressing the [FAVORITE] button on the panel.



Playing Voices

Playing Voice Demo

Press “Demo” on the Voice selection menu to start playing a demo of the selected voice. Press the “Demo” again to stop it.

The button is disabled if there isn't a voice demo for the selected voice.



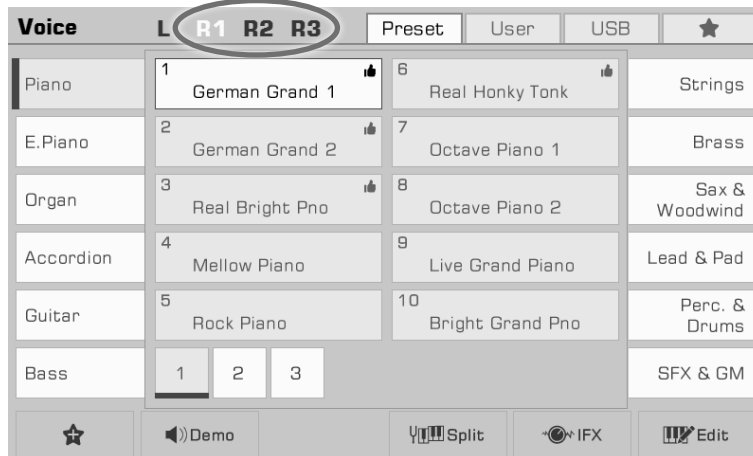
Playing Two or Three Voices Simultaneously

The instrument allows two or three different voices to be layered together to create a fuller, richer sound.

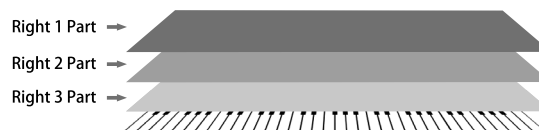
1. Press the [Part Switch] to turn the part on or off.



2. Enter the Voice selection menu. Press the part name on the top left corner to switch the selected part. Then, select a voice for each part.



3. After selecting a voice for each part, play the keyboard and you will hear a layered, ensemble sound combining these parts.



Playing Different Voices with Both Hands

This instrument supports up to 4 parts simultaneously, one for the left hand and three for the right hand.

1. First, turn the upper (R1-R3) parts on.
2. To set a voice for the left hand, make sure the [L] button is turned on.



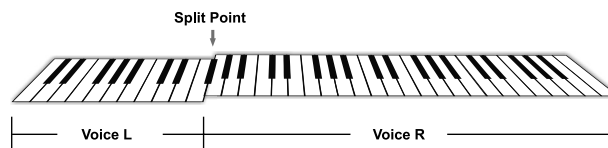
3. Select a lower (left hand) voice by pressing the [VOICE SELECTION] button.
4. Play the keyboard into the two areas to hear the different voices played by either hand.



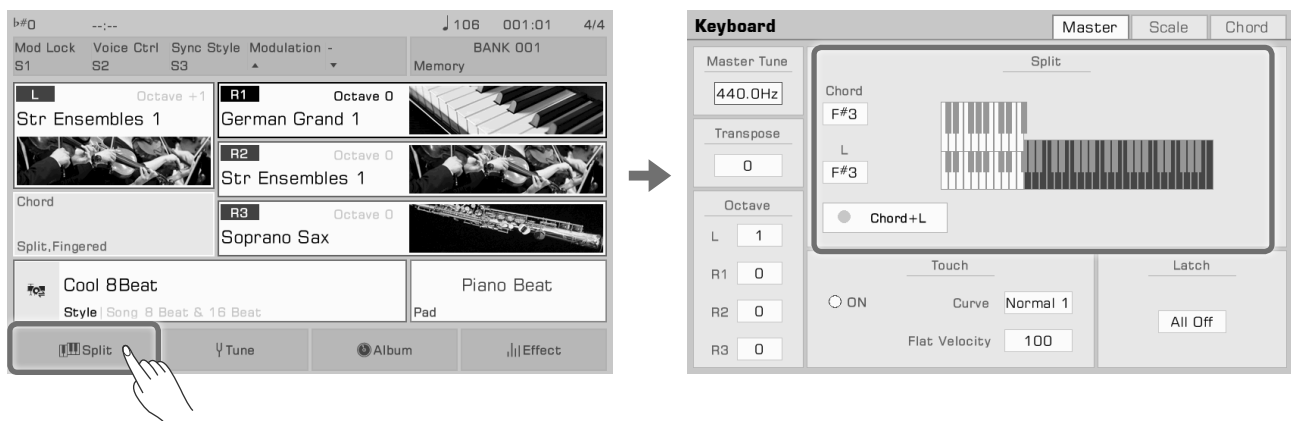
Tips: When L is turned off, you can play the R voices across the full keyboard. When L is turned on, the keyboard separates into two sections, L and R1/R2/R3. This is called the “split point”. The split point is set to F#3 by default. However, you can set this to any position you wish. You can set the volume of each part in the “Mixer” menu.

Setting the Split Point

The point on the keyboard that separates L and R1/R2/R3 is called the “split point”. The split point is set to F#3 by default.



However, you can set this to any position you wish by following these steps:



1. Press “Split” on the main display or press the [GLOBAL SETTING] button and select the “Keyboard” function to bring up the Split Settings menu.
2. Select the key name of the Left area to make it the split point. You can do this on the touch screen or by using the [DATA DIAL] or [←/→] buttons. Or, press the actual keyboard key to set your desired split point.

If you want to set the split point for both the Lower part and chord area, just turn on the “Chord+L” switch. Then you can set the Split Point (Chord) and the Split Point (Left) at the same time.

Tips: The Split Point of the LEFT/RIGHT part sections and the Chord Split Point section are generally same, but also can be assigned separately. Split Point (Chord) cannot be set higher than Split Point(Left).

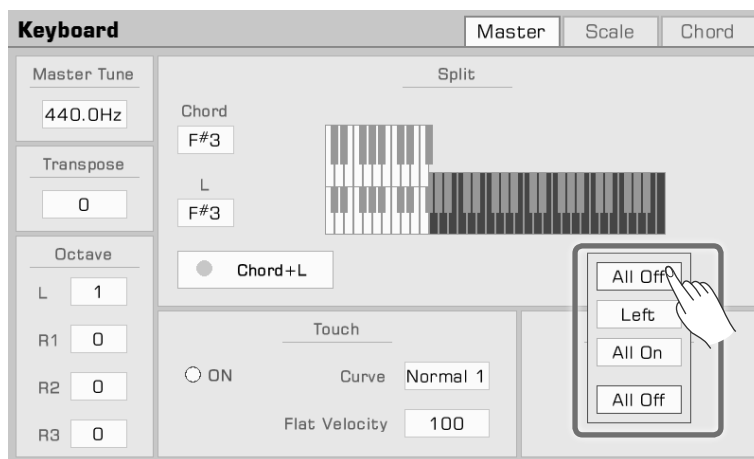
Playing Voices

Using Keyboard Latch

When you turn the Latch function on, the layer voice will continue playing after you remove your hand from the keyboard.

Select the part you want to latch in the “Latch” options.

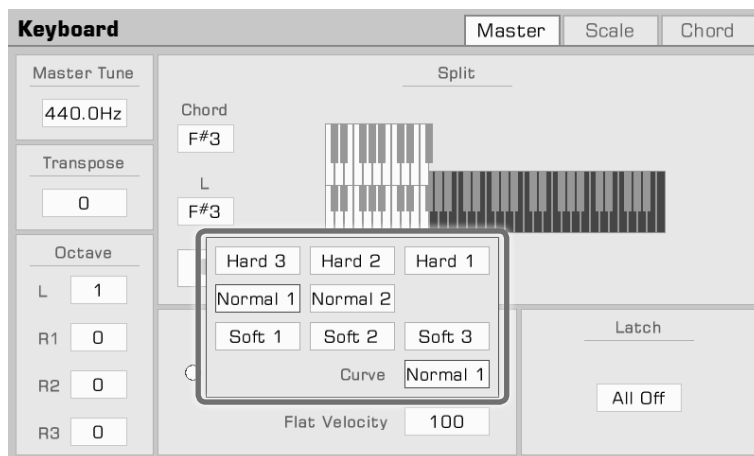
- All Off: The Latch function will not apply to any voice layers
- Left: The Latch function will only apply to the left part voice layer
- All On: The Latch function will apply to all voice layers



Setting the Keyboard Touch Sensitivity

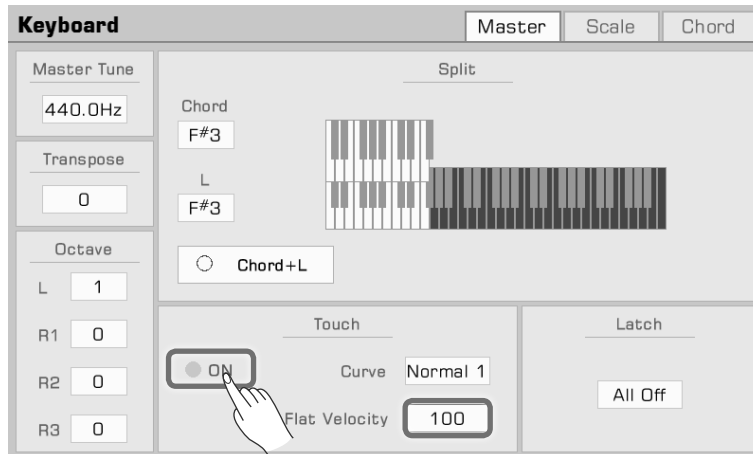
This instrument features several different touch sensitivity curves programmed to simulate the touch response of various model acoustic pianos.

1. Press “Split” on the main display or press the [GLOBAL SETTING] button and select the “Keyboard” function to bring up the touch settings menu.
2. Press “Curve name”, and a menu box will appear. Use the DATA DIAL, the [</>] buttons, or touchscreen to select a sensitivity curve.



You can turn off the keyboard response to get the same volume no matter what velocity you play.

1. Do this by unselecting the “ON” button to turn the keyboard touch response OFF in the “Keyboard” menu.
2. Press “Flat Velocity”, and a menu box will appear. Use the DATA DIAL, the [</>] buttons, or touchscreen to set this parameter.

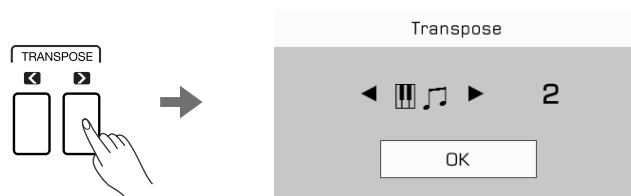


Using Transpose and Octave to Change Pitch

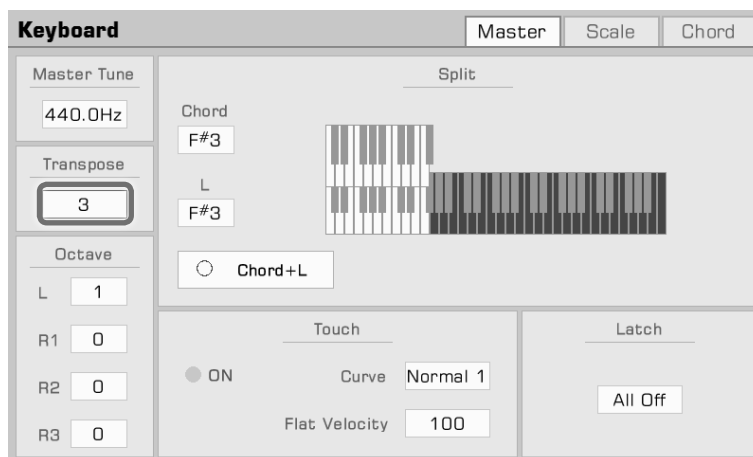
The transpose function allows the overall pitch of the instrument, including style and song, to be transposed up or down by a maximum of one octave in semitone steps.

Use the Transpose function as follows:

1. Press the [TRANSCOPE <] / [TRANSCOPE >] buttons to edit the transpose setting.



2. Use the Data Dial, [</>] buttons, or touchscreen in the “Keyboard” menu to adjust the keyboard pitch by semitones.

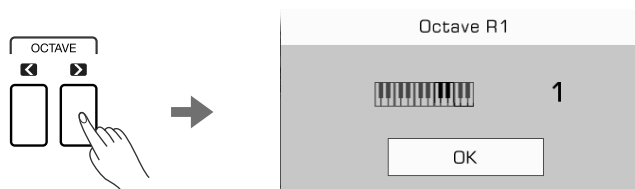


Playing Voices

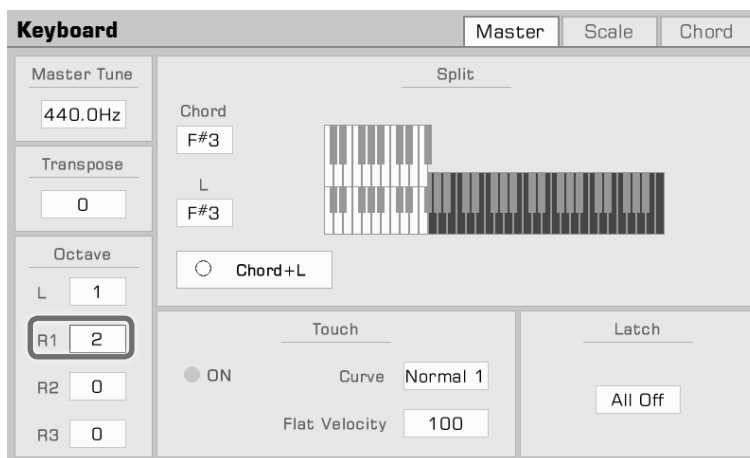
You can also shift the pitch of a specific part or track up or down by full octaves. Octave shift is not available for style and song modes.

Use the Octave Shift as follows:

1. Press the [Octave <] / [Octave >] buttons to edit the octave of selected part.



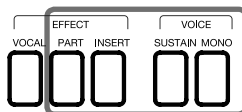
2. Press to select a part. Use the Data Dial, [</>] buttons, or touchscreen in the “Keyboard” menu to adjust the keyboard pitch.



Tips: In addition to Transpose and Octave pitch adjustment, you can set the overall instrument pitch by adjusting the Master Tune frequency. Generally, the instrument uses twelve-tone equal temperament at a standard pitch of 440.0 Hz. However, you can set it higher or lower according to performance needs. Please refer to the section on Master Tuning for more details.

Adding Effects to Voices

The instrument features several fine-tuned effects to apply to augment your keyboard parts.



- Sustain: Press the “Sustain” button to give the notes played on the keyboard longer, realistic sustain. This effect applies to all the parts.
- Part Effect: Press the “Part Effect” button to add Arp/Harmony to the notes played. This effect only applies the currently selected parts.

Tips:

- Most harmony effects only work in auto-bass chord mode. For this to work, turn on the “A.B.C.” function and play the chord in the chord area so that the right hand notes are added to the harmony effect.
- Harmony effects only apply to the right hand (R1, R2, R3), and are not supported on the left hand.
- When you add arpeggio effects to a keyboard sound, one or more notes played on the keyboard are converted into a series of notes that are played in chronological order according to the arpeggio style. Try different arpeggios to find the best ones for your style.
- A keyboard part can only use either arpeggios or one of the harmony effects; they can not be used for any one keyboard part at the same time.
- The instrument effects have been optimized for each Voice. To make modifications, refer to the section on effects.

- **Insert Effect:** Press the “Insert” button to add an effect to the Voice. There is a wide selection of insert effects available. Some of them can enrich the sound, for example, try adding distortion to the guitar voice, or use some effects to make your performance more realistic like adding delay to an electronic piano.

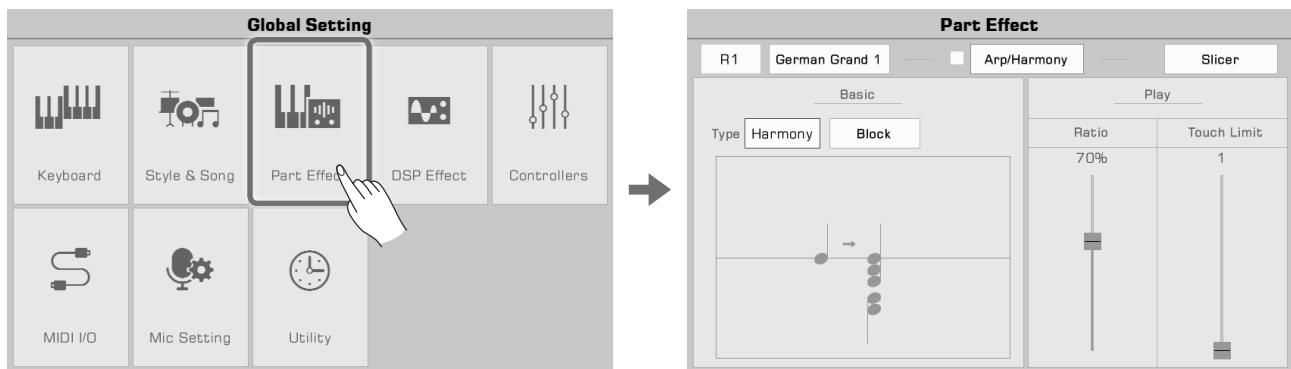
Tips: The instrument insert effects have been optimized for each Voice. To make modifications, refer to the section on effects.

- **Mono:** Press the Mono button to make the Voice play monophonically (single notes only). In this mode, the keyboard will only produce one sound no matter how many keys you press at the same time.

Tips: Some voices are set to Mono by default according to their characters. Others also apply a portamento or legato effect (portamento effect is also applied to some voices with poly mode). You can edit the playing mode of voice and save as a User Voice. Please refer to relevant section for more details.

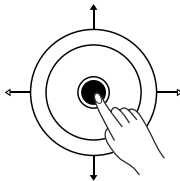
Other built-in other part effects like “Slicer” add a chopping effect and note filter. Experiment with the different effects to find the ones you like best.

Enter the “Part Effect” menu through “Global Setting” to add more keyboard effects to your playing.



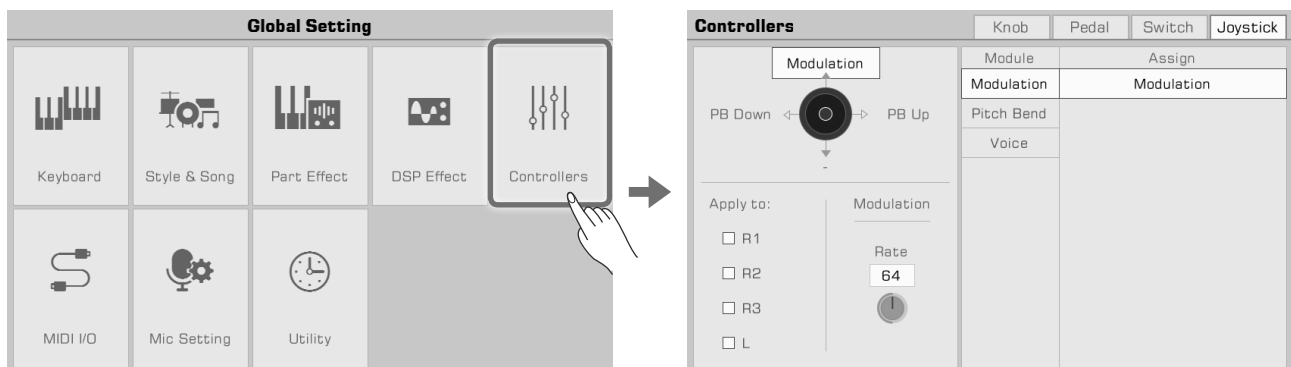
Using the Joystick to Adjust Pitch and Voice

Move the Joystick up, down, left, or right to change keyboard pitch or voice effects. After releasing it, the Joystick will return to the neutral position.



The Joystick default function for left and right movement is Pitch Bend, which changes the note pitch lower or higher. The up direction by default is Modulation; this makes the note play in vibrato.

The Joystick up and down parameters can be assigned in the “Controllers” menu.



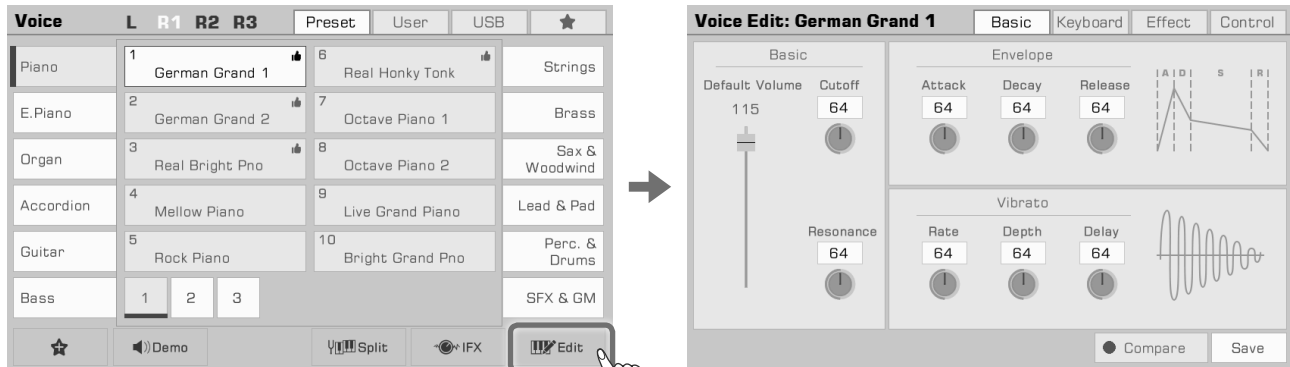
Tips: Using the Joystick lets you play some voices more realistically and expressively. You can also assign Joystick parameters using the voice editor and save your settings. Refer to the section on “Controllers” for more details.

Playing Voices

Editing Voices

The voice edit function enables you to create your own voices by editing parameters of existing voices. You can save up to 512 User Voices and recall them from the USER voice tab.

Select a voice to edit. Press the “Edit” button on the Voice Selection display to call up the Voice Edit menu.



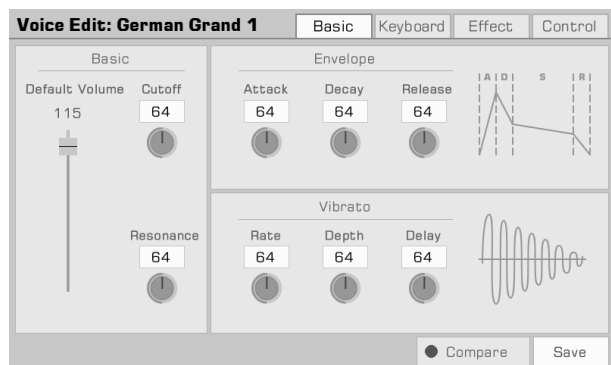
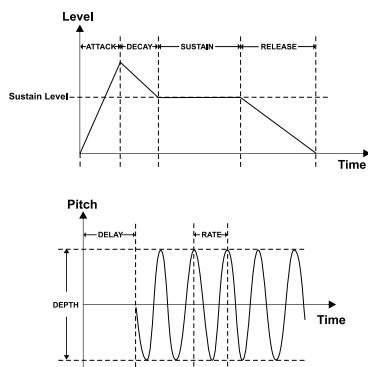
Editable Parameters

The parameters you can edit are categorized into four tabs at the top of the menu. Press on one of the tabs to edit that parameter.

Basic Tab

This menu contains “Basic”, “Envelope”, and “Vibrato” parameters .

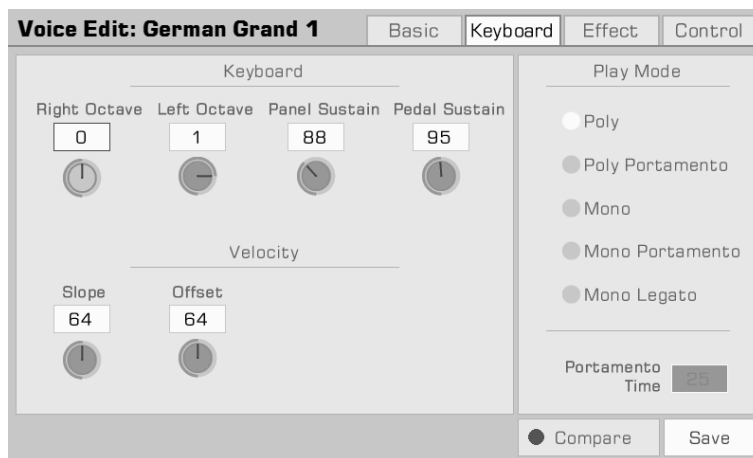
Basic	Default Volume	Change the default volume of the current voice.	0~127
	Cutoff	Adjust the filter cutoff of the voice. As the value is turned higher, the voice becomes brighter.	0~127
	Resonance	Adjust the filter resonance of the voice. As the value is turned lower, the resonance effect becomes stronger.	0~127
Envelope	Attack	Determines the time it takes for a sound to reach maximum volume after the key is pressed and sound begins. As the value is turned lower, the sound begins faster.	0~127
	Decay	Determines the time it takes for a sound to reach its sustain level volume after the attack. As the value is turned lower, the sound decays faster.	0~127
	Release	Determines the time from when you release the key until the sound decays to silence. As the value turned lower, the sound disappears faster.	0~127
Vibrato	Rate	Determines how fast one vibrato effect cycle is played. As the value is turned higher, the vibrato speed becomes faster.	0~127
	Depth	Determines the strength of the vibrato effect. As the value is turned higher, the effect becomes stronger.	0~127
	Delay	Determines how quickly the Vibrato effect starts after the sound begins. As the value is turned higher, the vibrato starts later.	0~127



Keyboard Tab

This menu contains “Keyboard”, “Velocity”, and “Play mode” parameters.

Keyboard	Right Octave	Determines the default octave shift of the edited voice when used as any of the RIGHT 1-3 keyboard parts.	-2~+2
	Left Octave	Determines the default octave shift of the edited voice when used as the LEFT keyboard part.	-2~+2
	Panel Sustain	Determines the length of sustain when using Panel Sustain.	64~127
	Pedal Sustain	Determines the length of sustain when using Pedal Sustain.	64~127
Velocity	Slope	Adjusts the voice slope.	0~127
	Offset	Adjusts the time curves as the velocity varies.	0~127
Play Mode	Poly	Sets the voice to be played back with multiple simultaneous notes (polyphonically).	
	Poly Portamento	Sets the voice to be played back with multiple simultaneous notes (polyphonically) with legato.	
	Mono	Sets the voice to be played back with single notes only (monophonically).	
	Mono Portamento	Sets the voice to be played back with single notes only (monophonically) and legato.	
	Mono Legato	Sets the voice to be played back with legato.	
	Portamento Time	Sets the transition speed from the first note played on the keyboard to the next when playing mode is set to “Portamento”.	0~127



Tips:

If the play mode is set to “Mono”, only one sound will be produced at a time no matter how many keys you play at the same time.

Portamento slides the pitch of one note played on the keyboard into the next note played. You can control the transition time by adjusting the “Portamento time”.

Legato is a special mode of monophonic playing. When you press a new key while already holding another key, the first note will immediately change to the second note played.

Playing Voices

Effect Tab

This menu contains “Global Effect”, “Insert Effect”, “EQ” and Part Effect parameters.

GFX	Reverb Level	Adjust the reverb depth.	0~127
	Chorus Level	Adjust the chorus depth.	0~127
EQ	Low Frequency	Adjust the Voice Low Frequency level.	32 Hz~2.0 KHz
	Low Gain	Adjust the Voice Low Gain level.	-12~+12
	High Frequency	Adjust the Voice High Frequency level.	500 Hz~16 KHz
	High Gain	Adjust the Voice High Gain level.	-12~+12
IFX	IFX ON/OFF	Press to turn the default IFX of your selected voice on/off. You can also control this function with the IFX button on the panel. The name and parameters of the currently selected IFX will be displayed under the button.	
	IFX Level	Adjust the IFX depth. If the selected IFX does not support this parameter adjustment, the knob will not appear.	0~127
	IFX Edit button	Press this button to select IFX for the selected Voice in the pop-up.	
Keyboard Effect	Arpeggio ON/OFF	Press to set Arpeggio as the default keyboard effect.	
	Arpeggio Type	Press the Arpeggio name to bring up the Arpeggio Selection menu. Press to select an arpeggio type from this list.	
	Harmony ON/OFF	Press to set Harmony as the default keyboard effect.	
	Harmony Type	Press the Harmony name to bring up the Harmony Selection menu. Press to select a Harmony type from this list.	
	Slicer ON/OFF	Press to turn on the Slicer effect.	
	Slicer Type	Press the Slicer name to bring up the Slicer Selection menu. Press to select a Slicer type from this list.	



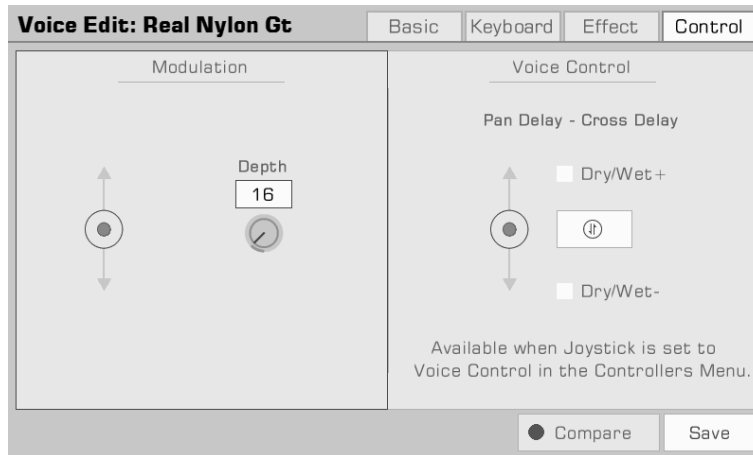
Tips: When a voice is used in R3, the insert effect of that voice may be turned off. This depends on the effect type used for the voice, as some IFX cannot be used for R3.
Most harmony only works when “A.B.C.” is turned on. Turn “A.B.C.” on when editing a voice and listen to the effect while playing a chord.
Arpeggio and Harmony effects can not be used on the same keyboard part at the same time. Slicer can be used with Arpeggios or Harmonies.
Please refer to the section on Part Effects for more information.

Playing Voices

Control Tab

This menu contains “Modulation” and “Voice Control” parameters.

Modulation	Vibrato Depth	Determines the strength of the vibrato effect. Add Vibrato by moving the Joystick up.	0~127
Voice Control	IFX ON/OFF	Control the IFX effect in real time by moving the Joystick up or down. Different IFX have different preprogrammed parameters for the Joystick. The parameter name for the one selected will be shown here. Press to turn on the IFX button to assign the Joystick parameters. Press the “Exchange” button to swap the parameters’ position.	



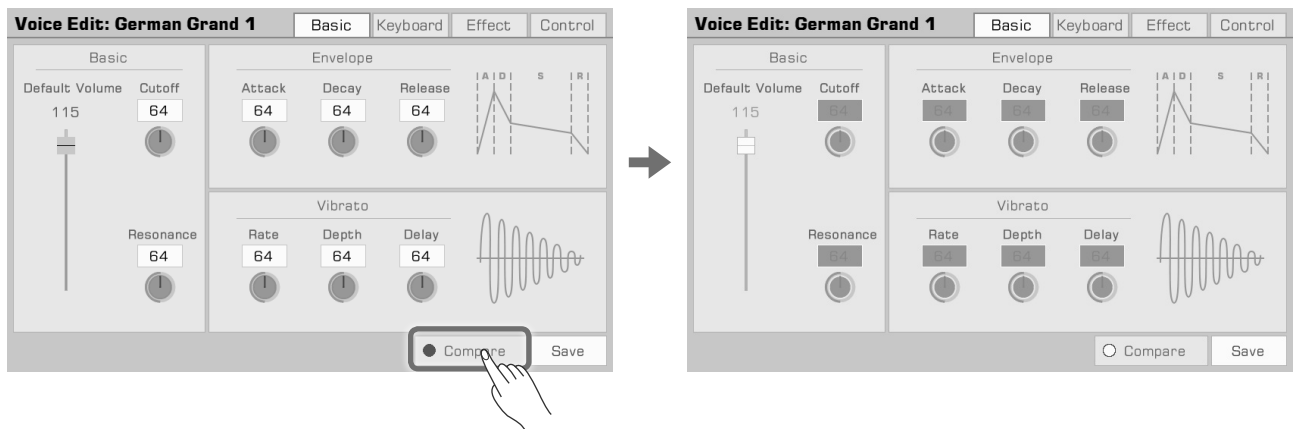
Tips:	Up to two preprogrammed IFX can be assigned to the Joystick.
	The Voice Control feature only works when the Joystick is set to “Voice Control”. Please refer to the section on “Controllers” for more information about Joystick settings.

Saving the Edited Voice

After editing the voice, you can compare your edit to the original voice.

Press the “COMPARE” button to hear the keyboard set to the original preset voice with default parameter settings.

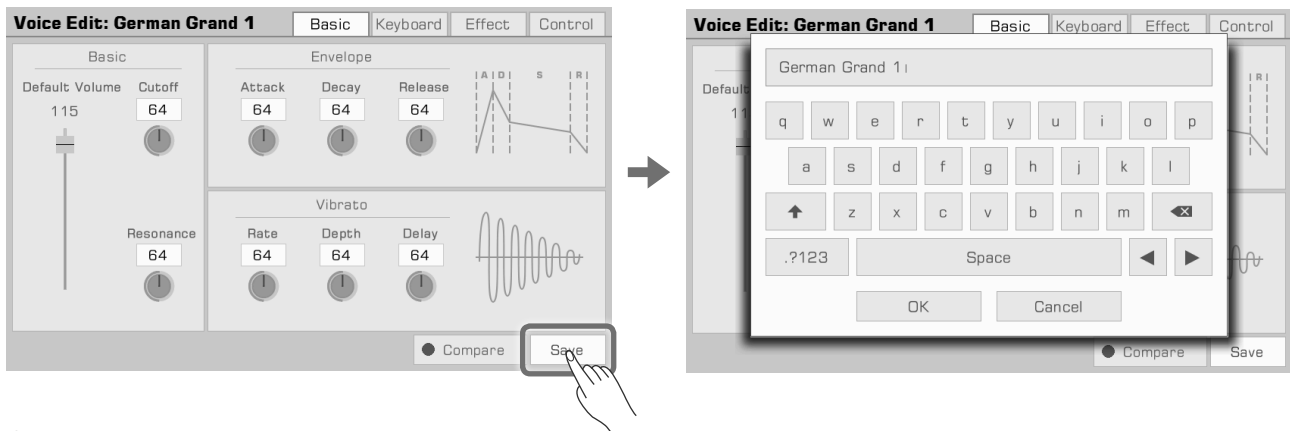
Press the “COMPARE” button again to return to your edited voice.



Playing Voices

When you are finished editing, save your settings to User Voice as follows:

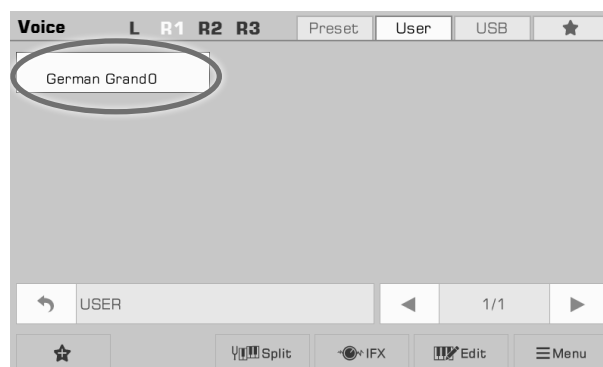
1. Press “Save”. Enter a name for your edited voice in the soft keyboard.



2. Press “OK” to save edited voice as a User Voice.



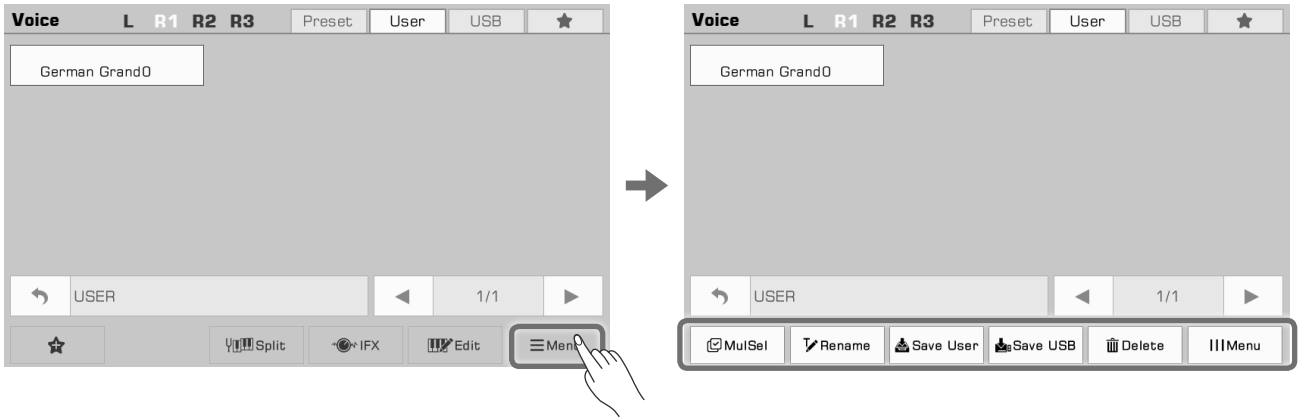
Now, you can find the new voice you saved in the “User” menu.



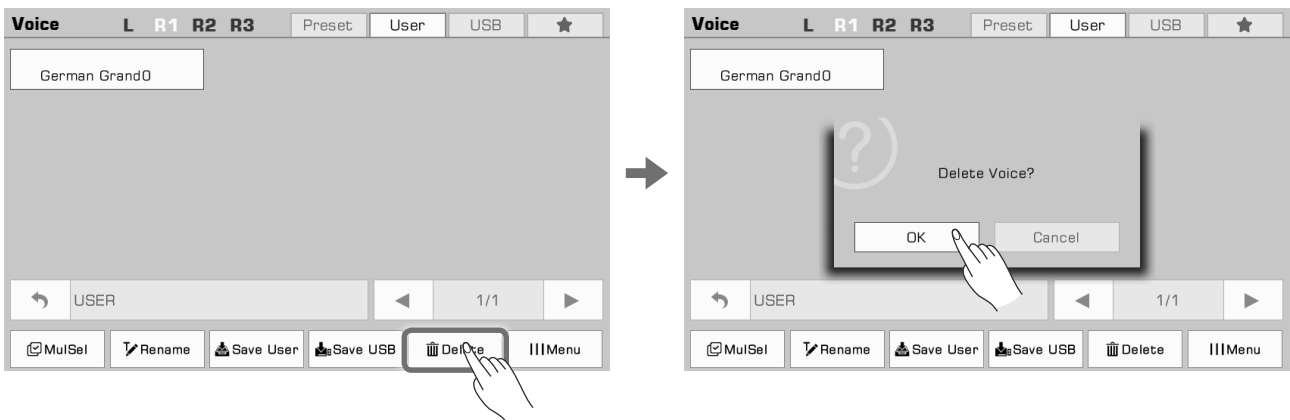
Saving, Deleting or Renaming a User Voice

You can delete, rename or save a User Voice to USB device from the “User” menu.

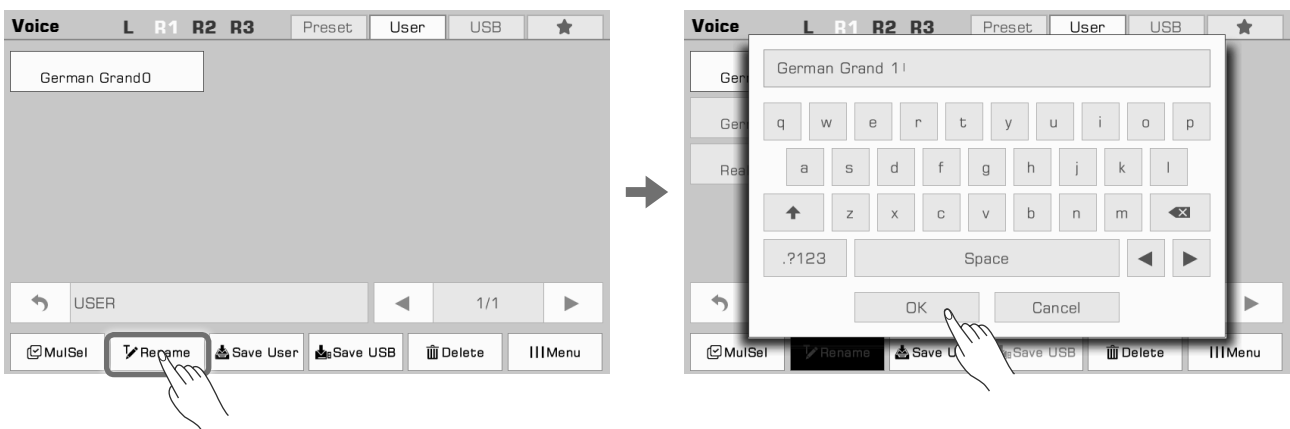
1. Select a User Voice.
2. Then, press the “Menu” icon at the bottom right corner to bring up the menu.



3. Press the “Delete” button to delete the selected User Voice. Then press OK to confirm.

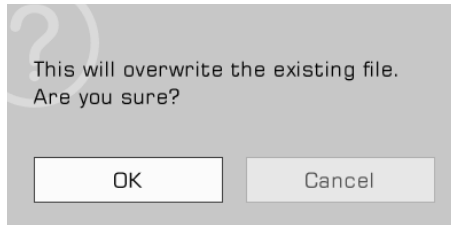


4. Press the “Rename” icon to bring up the soft keyboard. Edit the new name and press “OK” to confirm.

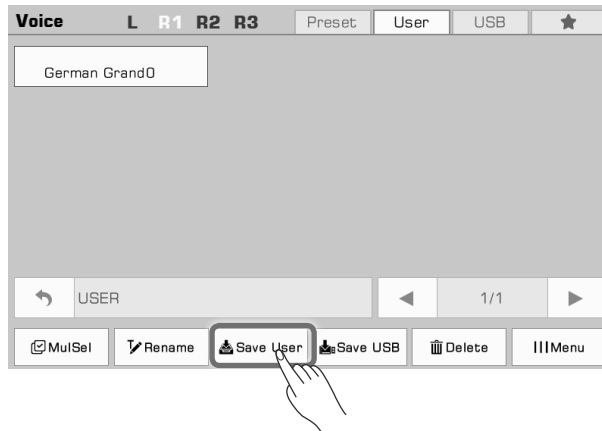


Playing Voices

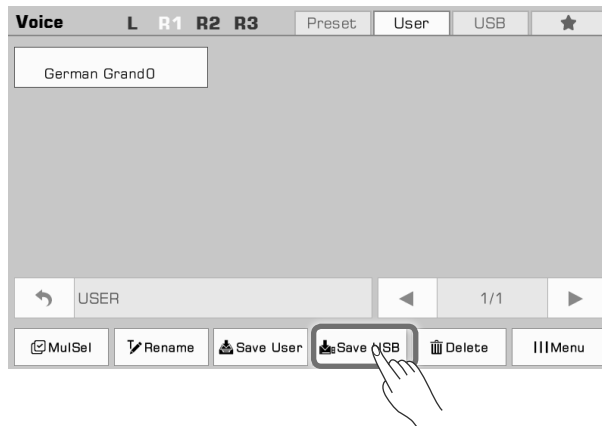
If the name you entered is same as an existing file, a pop up will remind whether you want to overwrite the existing voice.



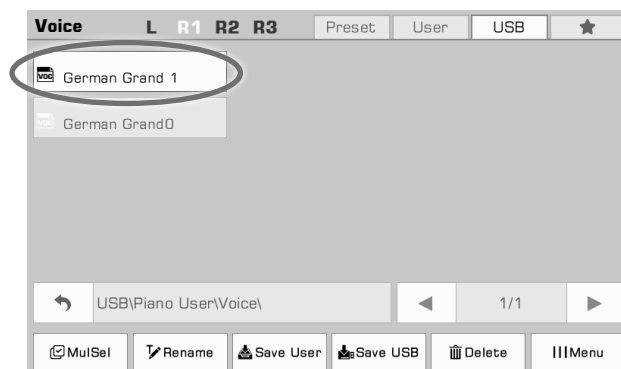
5. Press the "Save User" button to bring up the soft keyboard. Rename the voice and save it as a new User Voice.



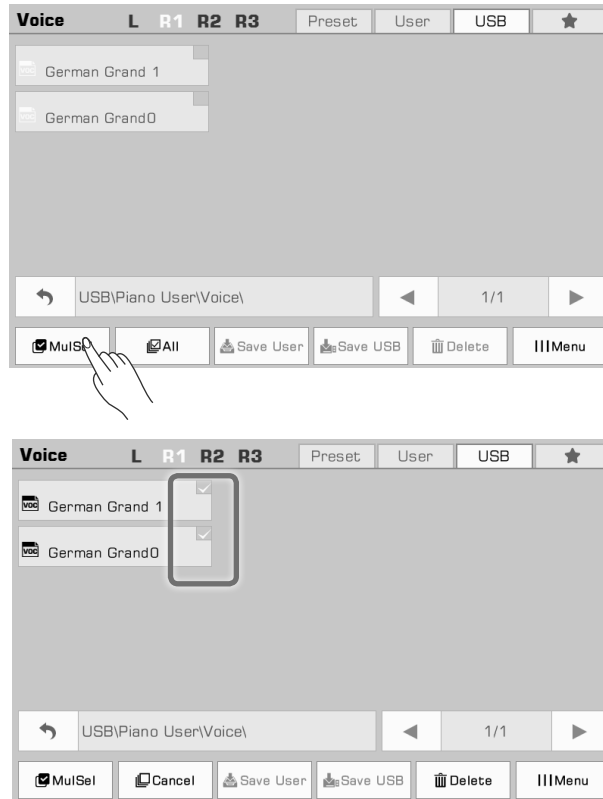
6. Press the "Save USB" button to bring up the soft keyboard. Rename the voice and save it to a USB Device.



Enter the "USB" menu to find the new voice you saved.



You can also delete multiple files. Press the “MulSel” button on the bottom left and switch it to “Multi-select”. The “Re-name” button will be replaced by a “Select All” button. Now, you can touch multiple file names to select them or press “Select All” to select all the files in the directory.



Tips: You can add a User Voice or a Voice saved in a USB device to “My Favorites” the same way you add a preset voice to “My Favorites”.

Auto Accompaniment

The instrument has a huge selection of various musical styles that put a full backing band at your fingertips. All you have to do is to play chords. With auto accompaniment, even a solo performer can enjoy the experience of playing with a full band or orchestra.

Styles are automatically divided into several groups according to musical type.

Using Styles

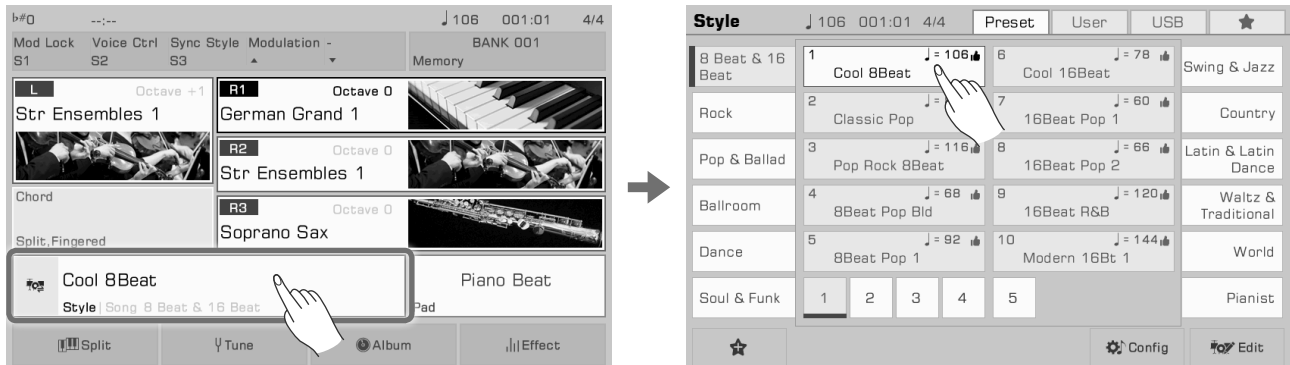
Selecting Various Styles

1. You can select a style as follows:

- Press the [STYLE SELECT] button to enter the Style Selection menu. Choose a Style Group, then press to select a style name from the list.



- When the Style/Song area in the main display is in Style mode, press this area to enter the corresponding group display of the current style. You can jump to other pages or other groups by touching the screen. Then, press the style name to select it.



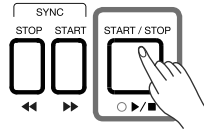
- To select a User Style, press the “User” or “USB” tab and select a file from the list displayed.

Tips: All of the presets in this instrument feature high quality styles. Styles with a “👍” icon are our recommended favorites.

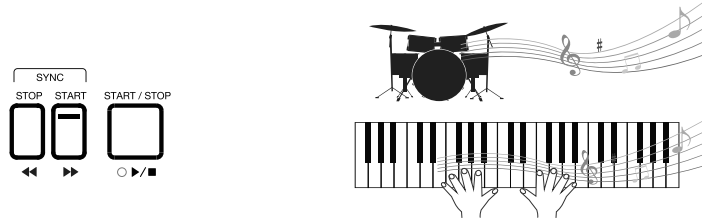
Playing the Percussion Tracks of a Style

The percussion track is a significant part of a style. You can generally identify the style of music by listening to its percussion track.

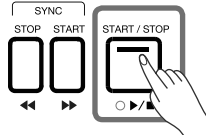
1. Press the [START/STOP] button. The style will immediately start with only the percussion track.



When the [A.B.C.] button is turned off and the [SYNC START] button is turned on, the percussion track will start when you play the keyboard.



2. Press the [START/STOP] button again to stop the style playback.



Tips: There may be no sound after pressing the [START/STOP] button if you select a piano style. This is because percussion is not available for piano style.

Playing All Tracks of a Style

With auto accompaniment, you just need to play chords. The accompaniment will automatically follow along with the chords you play. With playing different chords, the A.B.C. changes accordingly. You seems enjoy the experience of playing with orchestra.

Play all the tracks of a style as follows:

1. Press the [A.B.C.] button to turn on chord detection.



2. Press the [SYNC START] button to turn on the Sync Start function.



3. Press a chord in the chord area. It will start playing auto accompaniment of all tracks. Experiment with playing different chords with your left hand and playing the melody with your right hand. The automatic accompaniment will enhance your performance.



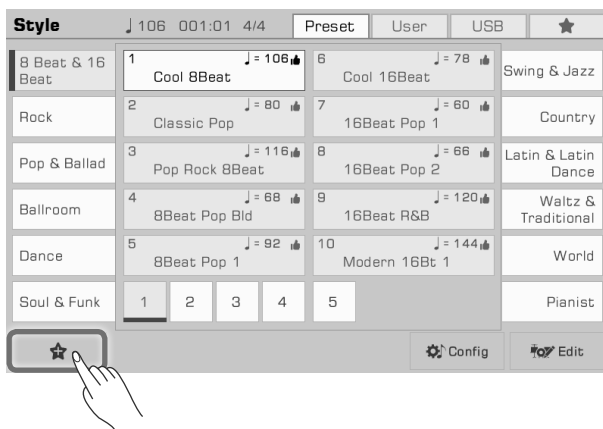
Auto Accompaniment

- Tips:**
- If you press the [SYNC STOP] button to turn on the Sync Stop function, the automatic accompaniment will automatically stop when you release the chord.
 - The preset tempo of each style is displayed above the style name. The tempo will change according to the style you select.
 - To switch between different styles without changing the tempo, turn on the “Tempo Lock “ in the “Style & Song” menu to fix the tempo of the current playing style.
 - To adjust the volume of each track or turn some tracks off, you can make detailed adjustments in the “Mixer” menu.

Add a Style to “My Favorites”

Get quick access to your most commonly used styles by adding them to “My Favorites” as follows:

1. Press the “Add to Favorites” star icon at the bottom. A star will appear to the right of the selected style name. Press the button again to remove it from “My Favorites”.



2. Press the “My Favorites” tab to see the list of the styles you added. You can remove any of the styles in this menu anytime.



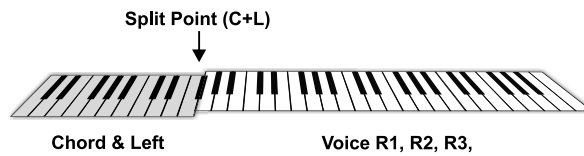
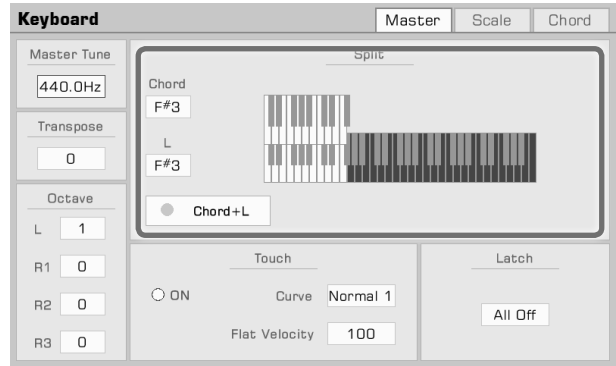
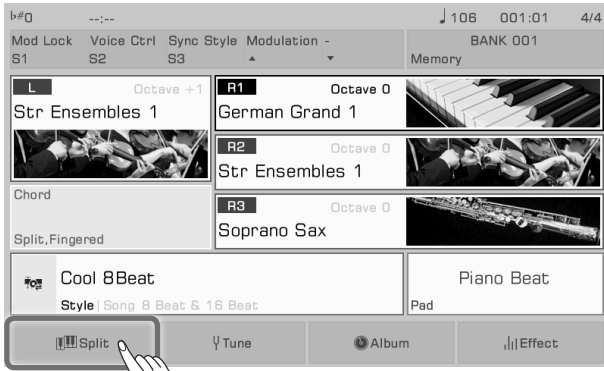
Split Point Settings

The Split Point of the LEFT/RIGHT part section and the Split Point of Chord section can be assigned separately. The Chord Split Point separates the Chord section for Style playback from the section(s) for playing Voices (RIGHT 1, 2, 3 and LEFT).

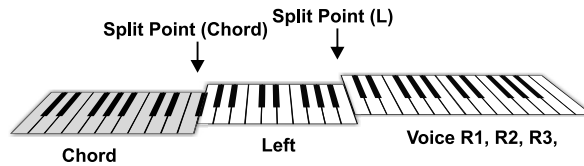
Adjust the Split Point as follows:

1. Press the “Split” button on the main menu or press “Global Setting- Keyboard” to bring up the Split Setting menu.
2. Press the Chord name and use the DATA DIAL and [</>] buttons to set a split point. Or, press the actual keyboard key to set your desired split point.

Auto Accompaniment



The default chord split point is F#3, which is the same as the left hand split point. However, two split points can be set to different positions as needed.



To set two split points at the same time, press “Chord + Left” to turn it on. Now these two split points will change synchronously.

Tips: Split Point (Left) cannot be set lower than Split Point (Chord), and Split Point (Chord) cannot be set higher than Split Point (Left).

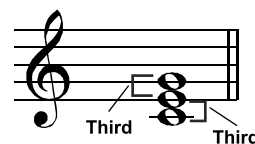
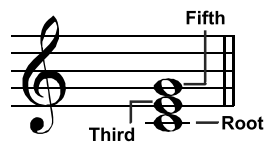
Chord Basics

This section is a brief introduction to the basics of chords.

Chord Construction

When three or more notes are played together, they form a chord. A chord is the basic component of harmony, and each note in the chord is generally built according to a principle of thirds.

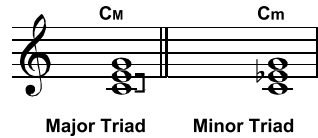
In most music, the fundamental chord is the “triad.” The notes that make up a chord are determined according to their position: the lowest note is called the “root”, the one a third interval above the root is called the “third”, and the one a fifth interval above the root is called the “fifth”.



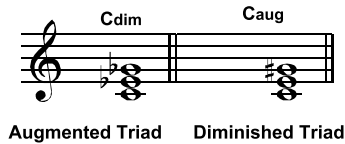
Auto Accompaniment

The root note, also known as the tonic, is the most important note in a chord. It stabilizes the sound by determining the “mode” of the chord, fixing the composition of the other notes in the chord. The name of the chord structure depends on the interval of each note above the root note in the chord.

- When the root pitch is a perfect fifth away from quint and a major third or a minor third from tierce, they are called “major chords” and “minor chords”.



- When the root pitch is a major third and an augmented fifth or a minor triad and a diminished fifth from tierce and quint, they are called the “augmented chord” and “diminished chord”.



According to the principle of third superposition, we can add a seventh (seven intervals from the root note) and ninth (nine interval from the root note) on the triad to form a “seventh chord”, “ninth chord”, “eleventh chord” and “thirteenth chord”.

Please refer to a chord chart or use a chord dictionary for more information on chord types.

Chord Inversion

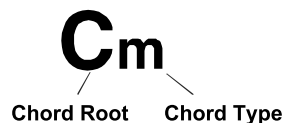
The “inversion” of a chord is formed by turning the root note upward and placing the third or fifth note in the lowest position. The chord is called an “inversion chord” when the root of the chord is not in the lowest position.

This instrument supports playing chords by using inversion chord fingering. When Bass inversion mode is turned on, the fingering of standard chords and the fingering of inversion chords will have different effects.

Chord Name

A chord name can tell you almost everything you need to know about a chord, including: the root of the chord, whether the chord is a major chord or a minor chord, an augmented chord or a diminished chord, a seventh chord or a ninth chord, and so on.

For example, the name below clearly indicates that the root of the chord is C, and the chord type is a minor triad, so this chord is a minor triad with C as the root.



Please refer to a chord chart or use a chord dictionary for more information on chord names.

Single Finger

In Single Finger Mode, you can play Major chords, Minor chords, Seventh chords, and Minor seventh chords by using up to three fingers. Let’s take for example a chord with root C and introduce the fingering for these four chords.

<p>C ★Major Triad Only press the root note on the keyboard.</p>	<p>Cm ★Minor Triad Press the root note and the nearest left black key simultaneously.</p>
<p>C7 ★Seventh chord Press the root note and the nearest left white key simultaneously.</p>	<p>Cm7 ★Minor seventh chord Press the root note and the nearest left white and black keys simultaneously.</p>

In Single Finger mode, you can play these four chords with a single finger.

Multi-fingered

Multi-fingered mode only detects multi-finger chords. Let's take for example a chord with root C and introduce fingering according to a chord chart or chord dictionary.

1 C	2 C ₆	3 C _{M7}	4 C _{M7} (#11)	5 C _M (9)	6 C _{M7} (9)	7 C ₆ (9)	8 C _{aug}	9 C _m	10 C _{m6}	11 C _{m7}	12 C _{m7} (b5)	13 C _m (9)
14 C _{m7} (9)	15 C _{m7} (11)	16 C _m M ₇	17 C _m M ₇ (9)	18 C _{dim}	19 C _{dim7}	20 C ₇	21 C _{7sus4}	22 C ₇ (b5)	23 C ₇ (9)	24 C ₇ (#11)	25 C ₇ (13)	26 C ₇ (b9)
27 C ₇ (b13)	28 C ₇ (#9)	29 C _{M7aug}	30 C _{7aug}	31 C _{sus4}	32 C _{sus2}	33 C(b5)	34 C _{M7} (b5)	35 C _m M ₇ (b5)	36 C1+8	37 C1+5	38 Cancel	39 Cancel/C

Notes: enclose in parent theses () are optional; the chords could be recognized without them.

Fingered

The default chord detect mode of this instrument is Fingered. You can either use Single Finger or Multi-finger.

Chord Dictionary

The instrument built-in chord dictionary provides complete finger positions of almost every chord. Use this feature to find out how to play a chord you don't know.

1. Press "Split Point" at the bottom of the main menu or press the [GLOBAL SETTING] button to enter the "Keyboard" interface. Select the "Chord" tab to bring up the chord dictionary.

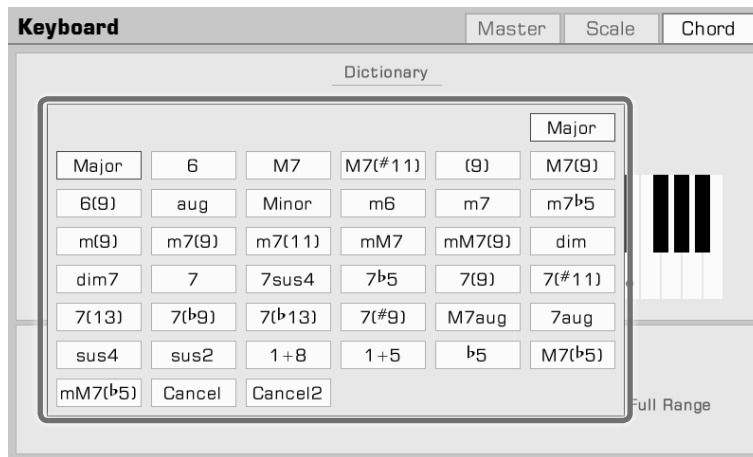
The image shows two screenshots of the instrument's interface. The left screenshot is the 'Global Setting' menu, where the 'Keyboard' option is highlighted with a hand icon. The right screenshot is the 'Keyboard' interface, where the 'Chord' tab is selected, and the 'Dictionary' screen is displayed. The dictionary shows 'CMajor' with 'Root' set to 'C' and 'Type' set to 'Major'. A hand icon is shown touching the 'Chord' tab.

2. Press the Root name and use the touch the screen, DATA DIAL, or the [</>] buttons to select a chord root.

The image shows the 'Keyboard' interface with the 'Chord' tab selected. The 'Dictionary' screen displays a grid of root notes: C, C#, D, Eb, E, F, F#, G, Ab, A, Bb, B. A hand icon is shown touching the 'C' button. The 'Type' is set to 'Major'. Below the grid is a piano keyboard diagram with finger positions indicated by dots. At the bottom, there are radio buttons for 'Fingered', 'Multi Fingered', 'Bass Invert', and 'Smart Full Range'.

Auto Accompaniment

3. Press the chord type and use the touch screen, DATA DIAL, or the [</>] buttons to select a chord type.

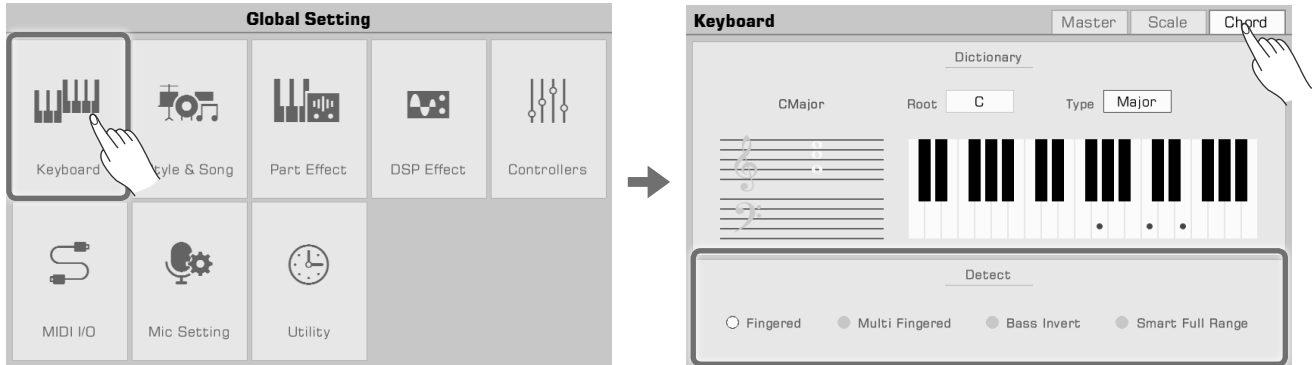


The correct chord fingering will appear on the keyboard, and the chord notes will appear on the music staff.

Tips: There are always variations to chord fingering and construction. Experiment with creating your own fingerings to make unique chords.

Setting Chord Detect Mode

Which fingering to use depends on how you select the chord detect mode. Press "Split Point" at the bottom of the main menu or press the [GLOBAL SETTING] button to enter the "Keyboard" menu. Select the "Chord" tab to set the chord detect mode.



Select a chord detect mode under Options. This instrument has four modes.

Fingered	Detects single fingered and multi fingered.
Multi-Fingered	Only detects multi fingered.
Bass Invert	Detects inverted chords of Bass channel.
Smart Full Range	Detects multi fingered in the full keyboard area.

Tips: Cancel and Cancel 2 can only be triggered when the chord mode is set to "Multi-fingered" and "Bass Invert".

Style Playback

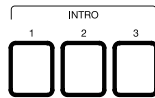
Style Variations

There are many preprogrammed variations of automatic accompaniment.

- INTRO [1] - [3]

An Intro is usually used at the beginning of the music. This instrument features three built-in Intro sections. Press one of the INTRO [1] - [3] buttons before starting style playback. The INTRO button LED light will light up. Press the [START/ STOP] button or play a chord on the keyboard (if SYNC START is enabled) to start playing the Intro pattern.

When the current pattern playback is finished, it will automatically begin playing the main section.

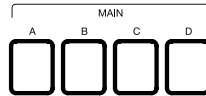


- Main [A] - [D]

Main is used for the loop part of the song. This instrument features four built-in Main sections.

Press the MAIN buttons [A] - [D] during style playback to shift between different patterns. The new MAIN section will start playing at the next measure.

When SYNC START is turned off, if you press the MAIN button of the current section, it will automatically play a Fill, which will then transition back to the Main part.

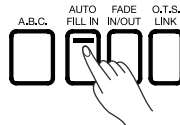


- Fill [A] - [D]

Putting Fills in your Style performance, gives variation to the song between Main parts. This instrument features four built-in Fill sections.

When the same [Main] button is pressed again, a Fill will trigger automatically.

You can also turn on the AUTO FILL function, which will automatically add a Fill when you switch between Main sections. After the Fill plays, it will automatically return to the Main loop section.



- Break

When in Style playback, using a Break section can give even more dynamics to the Main section loop.

As the Style plays, press the [BREAK] button to play a Break section in the next measure.

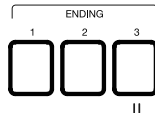
After the Break plays, it will automatically return to the Main loop section.



- Ending [1] - [3]

An Ending is commonly used at the end of a performance. This instrument features three built-in Ending sections.

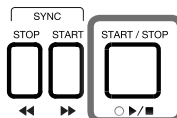
Press one of the ENDING [1] - [3] buttons to start the Ending section in the next measure. The Style playback will stop when the Ending finishes.



Control Buttons

- [START/STOP]

Start or stop playing back the Style. When the Style is playing, the [START/STOP] button LED flashes according to the current tempo.

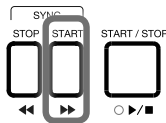


Auto Accompaniment

- [SYNC START]

Start Style playback when playing the keyboard.

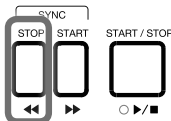
When A.B.C. is turned off, turn on the [SYNC START] button. The Style will start playing when you press any key. When A.B.C. and SYNC START are both turned on, the Style playback will be triggered by playing a chord in the keyboard chord detect area.



- [SYNC STOP]

To stop the style when releasing the chord, press the SYNC STOP button.

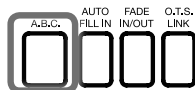
When SYNC STOP is turned on, the style stops when you release the chord. SYNC START will then automatically turn on for you to easily control the Style start and stop.



- [A.B.C.]

When the [A.B.C.] button is turned on, the left area of the keyboard becomes the chord range. As different chords are played, the automatic accompaniment produces different effects.

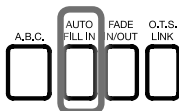
When the [A.B.C.] button is turned off, only the percussion channel of the style will play.



Tips: The instrument has chord velocity control. If this feature is turned on, the Style volume will vary when you play chords at different velocities. Chord velocity is turned off by default. To turn this function on, go to “Style & Song” and press “Chord Velocity Control”.

- [Auto Fill In]

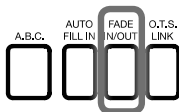
Turn on [Auto Fill In] by pressing the button. It will automatically play a Fill when you switch between Main Patterns.



- [Fade In/Out]

Starting the Style with Fade In produces a smooth beginning, the volume increasing from low to high. Press the [FADE IN/OUT] button when Style playback is stopped. The [FADE IN/OUT] LED will light up. When the Fade In is complete, the [FADE IN/OUT] LED will go out.

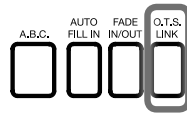
Stopping the Style with Fade Out produces a smooth ending, the volume tapering from high to low. Press the [FADE IN/OUT] button during Style playback. The [FADE IN/OUT] LED will light up. When the Fade Out is complete, the Style will automatically stop and the LED will go out. The keyboard volume will become lower if you are playing.



Tips: You can set the Fade In/Out time to meet your actual performance demands. To adjust this setting, go to the utility menu and refer to the relevant section.

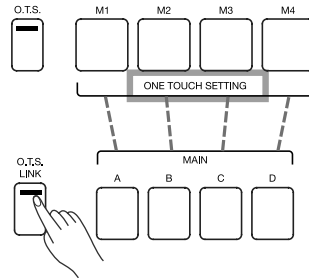
- [O.T.S. Link]

O.T.S. Link is very useful feature. When you play different styles and switch the main sections, the O.T.S. function will apply the preset parameters of the main patterns for your performance.

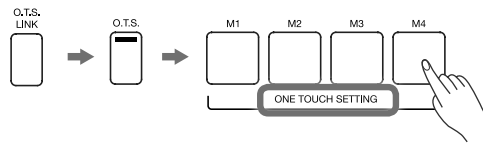


The instrument has four Main Patterns: Main A, Main B, Main C, and Main D, corresponding to O.T.S. 1, O.T.S. 2, O.T.S. 3, O.T.S. 4.

Press the button to turn on the O.T.S. Link. The O.T.S. button will turn on simultaneously. Now, when you switch between Main patterns, the O.T.S. will also switch following the Main patterns.



Of course, you can turn off the O.T.S. Link and switch four O.T.S. on/off manually when the O.T.S. button is on.



Adjusting the Tempo

Adjust the tempo as follows: Tempo range: 30~280

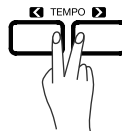
1. Press either of the [TEMPO <]/[TEMPO >] buttons to bring up pop-up window.



2. Use the [TEMPO <]/[TEMPO >] buttons to adjust the tempo.

3. Use the data dial or press and hold the [TEMPO <]/[TEMPO >] buttons to change the value quickly.

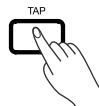
4. Press the [TEMPO <] and [TEMPO >] buttons at the same time to reset the tempo to default.



You can also use the Tap Tempo feature to change the current tempo which is very efficient to get the desired tempo.

1. When the Style is playing, you can change the tempo by pressing the [Tap Tempo] button four times at a fixed tempo of your choice.

2. When the Style is stopped, press the [Tap Tempo] button four times repeatedly, and the automatic accompaniment will start playing at the tempo you set.



Auto Accompaniment

Tips: The Style tempo is displayed above the Style name. When you select a different Style, the tempo will also change.
To switch between different Styles while using automatic accompaniment without changing the tempo, you can turn on "Tempo Lock" in the "Style & Song" menu to fix the current tempo.
Tap Tempo is equally effective in Song mode. Please read the relevant section for more information.

Metronome

1. Press the [METRO] button to turn on the metronome. The button LCD will flash in sync with the metronome sound.



2. Press the [METRO] button again to turn off the metronome.

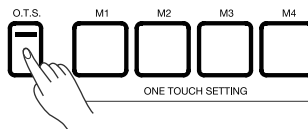
Tips: When the Style/Song is playing, you can adjust the metronome settings including Time Signature, Bell ON/OFF, and Volume. Please refer to "Utility" menu to get more setting details.

One Touch Setting

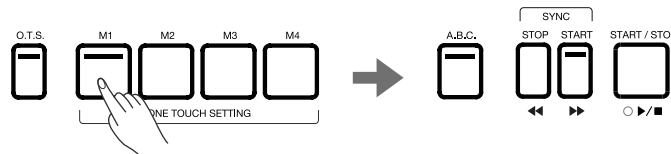
When One Touch Setting is switched on, you can instantly recall all auto accompaniment related settings, including voice selection and digital effects, with the single touch of a button.

1. Press the [O.T.S.] button to turn on the One Touch Setting function.

The [M1 ~ M4] buttons will act as O.T.S. 1~4.



2. Press one of the [M1] - [M4] buttons. The panel settings (including voice and effects) that match the current Style will be recalled instantly.



3. When you press a chord on the chord detect area, the Style will start playing automatically.

Each style has 4 preset settings. You can press [O.T.S. 1 ~ 4] as you play to try different Voices and Effects.

Tips: When the Style is playing, pressing O.T.S. will not automatically turn on the SYNC START.
If you want to change the O.T.S. of a Style, you can edit the Style using the Style Recording function. Please refer to the related section for more information.
If you want to use O.T.S. while switching Main patterns, make sure to turn on the O.T.S. Link.

Style Recording

Style recording is a powerful but convenient function to create a personalized style. You can go anywhere from editing an exist style to building an all new style. You can even change the one touch setting here. The more you experiment with Style recording, the bigger the arsenal you'll have for your professional use. You can save up to 512 User Styles.

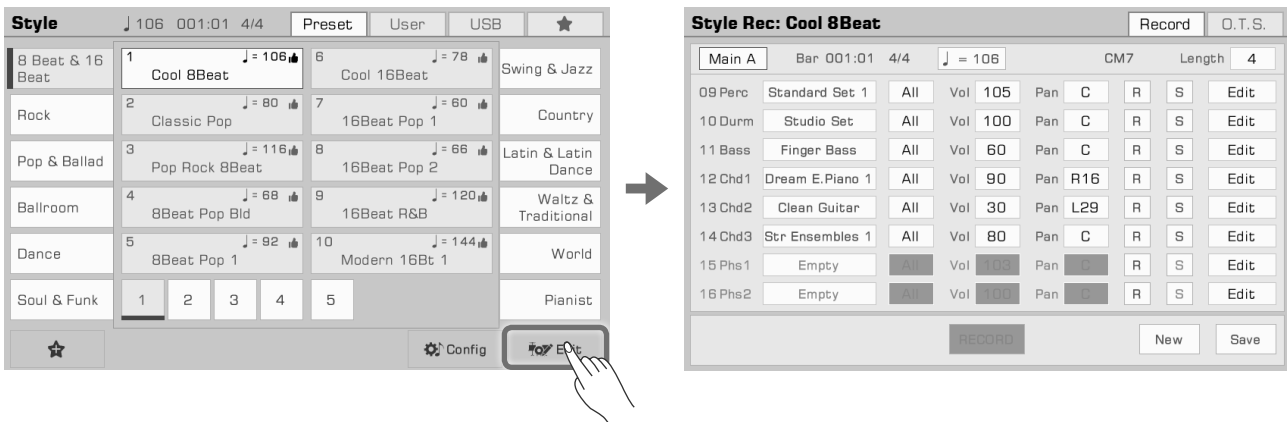
Styles are made up of different sections (INTRO × 3, MAIN × 4, FILL IN × 4, and ENDING × 3, Break × 1). Each section has eight separate channels.

Auto Accompaniment

Percussive	A channel consisting of percussion accent phrases
Drum	A basic part of the accompaniment style, the drum channel contains foundational phrases
Bass	The bass channel contains bass phrases that match the accompaniment style
Chord 1	Chord channel 1, generally contains some rhythmic phrases
Chord 2	Chord channel 2, generally contains some rhythmic phrases
Chord 3	Chord channel 3, generally contains some rhythmic phrases
Phrase 1	Phrases channel 1, generally contains some melodic phrases
Phrase 2	Phrases channel 2, generally contains some melodic phrases

You can create a Style by recording the channels separately, or by importing pattern data from other existing Styles.

Select a Style in the Style Selection menu and press the “Edit” button to enter the Style Recording menu.

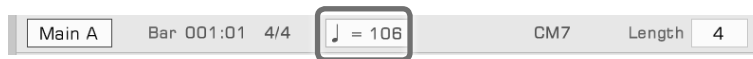


This menu displays the editable parameters of the current Style.

Basic Parameters of Styles

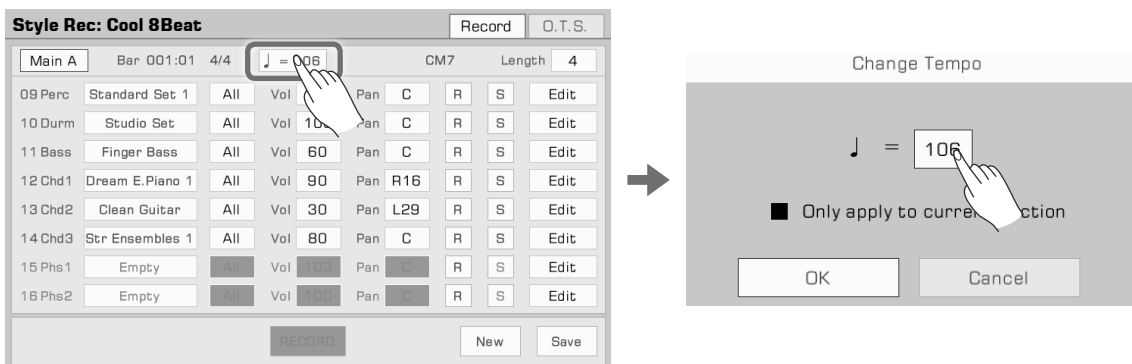
This section briefly explains each editable parameter in the Style recording menu and how to adjust each one.

Tempo Adjustment



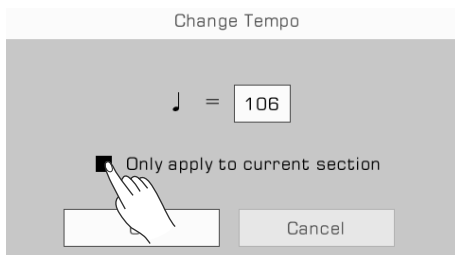
Adjust the tempo of your Style. Generally, the tempo of each section is consistent with the others. However, the Style recording function supports setting different tempos for each section to make unique style of your own .

1. Press the “Tempo” button to bring up a pop up window. Press the value in the pop up window and modify it by pressing the arrow, using the [DATA DIAL] or [←/→] buttons.



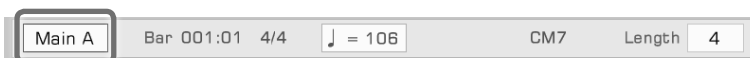
Auto Accompaniment

2. In the Tempo Adjustment pop up, there is an “Only apply to current section” option. If you only want to change the tempo of the current section, select this option.



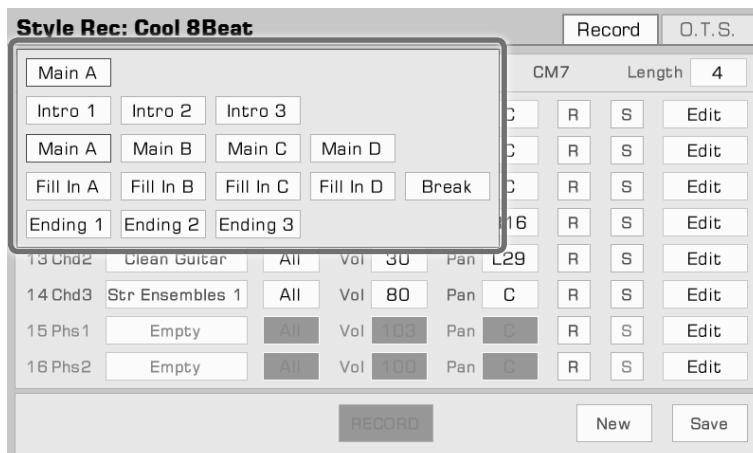
Most of the sections have a uniform tempo. If you do not turn on the “Only apply to current section” switch, the tempo of all the other sections will be synced to your new tempo after you confirm.

Section Selection

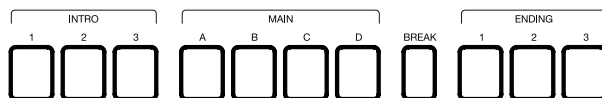


Select the section you want to edit.

Press the Section name to bring up the section list. Use the [DATA DIAL], [</>] buttons, or press the section name to select a section.

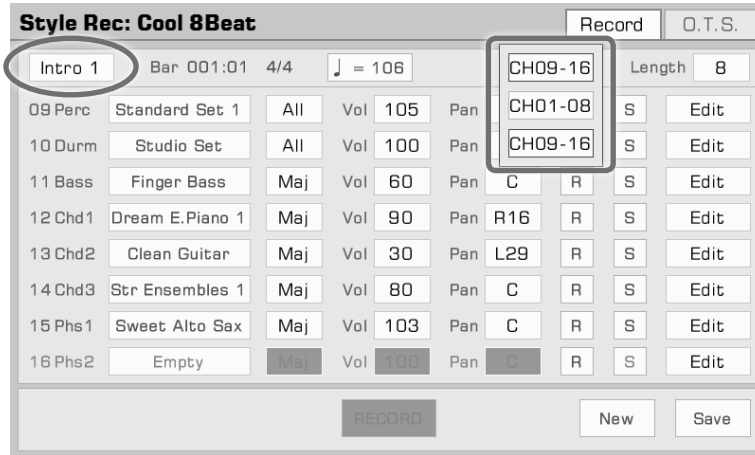


You can also press the [Style Section] button on the panel to switch the section directly.



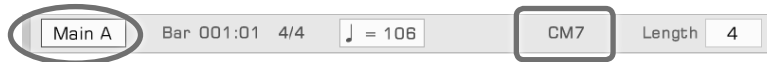
Channel Selection

When the editing section is Intro or Ending, a “Channel Selection” button will appear at the top. Press it to select Channel 1~8 or Channel 9~16.



If the editing section is not Intro or Ending, the “Channel Selection” button will not appear. In this case, you can only edit or record the section in Channel 9~16.

There will be a chord name (CM7) in it's place, which means sections other than Intro and Ending are recording based on CM7. No matter where you play on the keyboard, only the notes in the CM7 chord can be recorded to the channel.



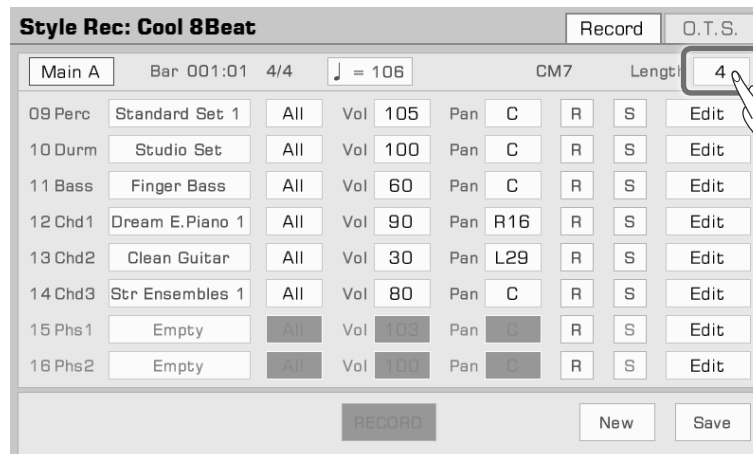
Bar Length



Change the length (in number of bars) of the editing section.

This parameter range is related to the current edited Style section: the Intro, Main and Ending sections support no more than 32 bars. The Fill and Break sections are limited to 2 bars.

Press the value and change the length by pressing the arrows, or use the [DATA DIAL] or [←/→] buttons.



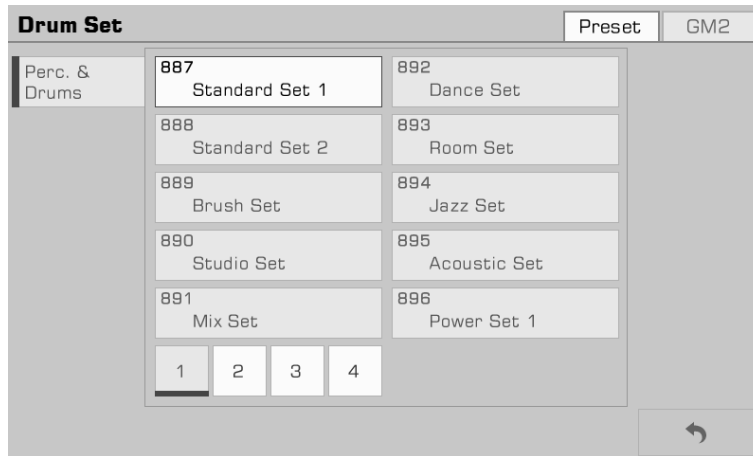
Auto Accompaniment

Channel Voice Selection



Change the channel voice as follows:

1. Press the voice name of the channel you want to change to enter the Voice Selection menu.
The Voice Selection menu will only display all selectable voices of this channel. Unsupported voices will be hidden. For example, you can only select percussion voices for the Perc and Drum channel, and only bass voices for the Bass channel.



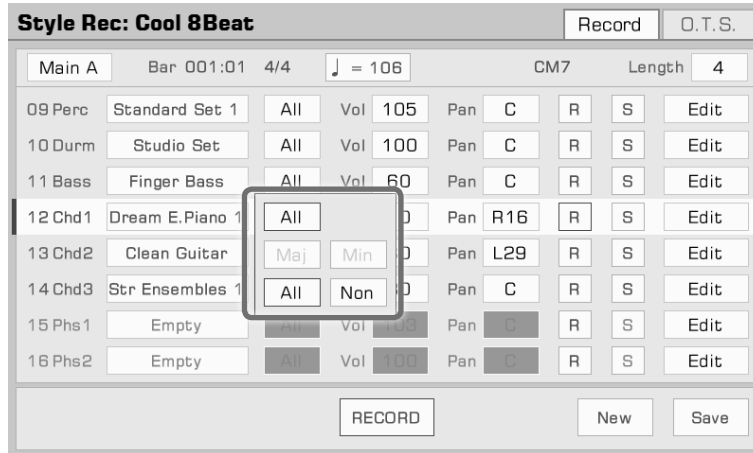
2. Select the voice for this channel by touching the voice name. Press the “Back” button on the lower right corner to return to the Style Recording menu.



Chord Response Setting



Set the chords which the current channel will play. Press the parameters to view the list of chord types.



Maj	This channel will only play when you use Major chords.
Min	This channel will only play when you use Minor chords.
All	This channel will play whether you use Major or Minor chords.
Non	This channel does not respond to chords.

The parameter options available are related to the current edited section:

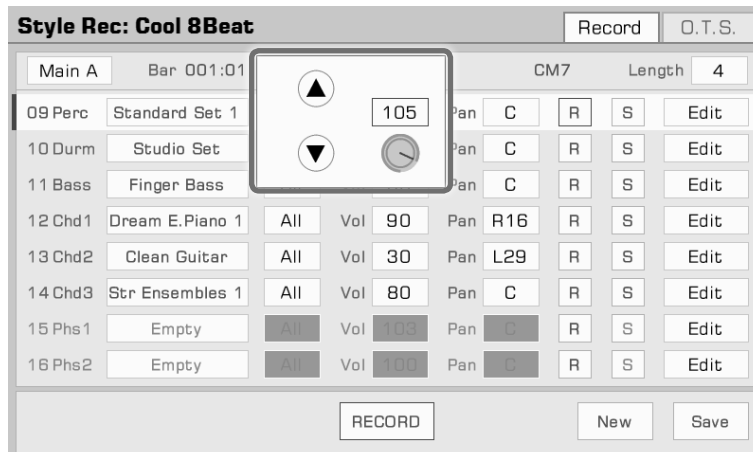
- When the editing section is Intro or Ending, Maj, Min, All, and Non are all available. This is because when creating an Intro and Ending section, the channel response major chord and the channel response minor chord are separated. When you play a major chord, channel 9~16 will be played; when you play a minor chord, channel 1~8 will be played. When editing and recording Intro and Ending sections, please consider how the “Chord Type” relates to “Channel selection”.
- When the editing section is Main, Fill, or Break, Maj and Min are not available. This is because the Percussion channel of the Main, Fill, and Break sections need to support all chords, and the percussion channel is not set up for chords at all.

Note! Remember that Style channels 1~8 and 9~16 use the same channel when played (1 and 9, for example). If the two channels’ chord response are both set to All, but their other parameters (tone, volume, etc.) are different, there may be problems when playing the Style, and it may not play according to your settings. Make sure the parameter settings are consistent for your Style during setup to avoid this issue.

Channel Volume



Press the volume value. Then, press the Up and Down arrows, use the [DATA DIAL], or use the [←/→] buttons to adjust the volume value.

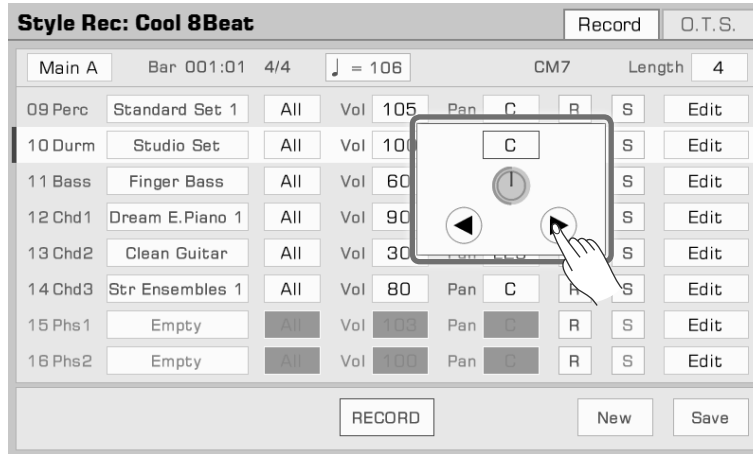


Auto Accompaniment

Channel Pan

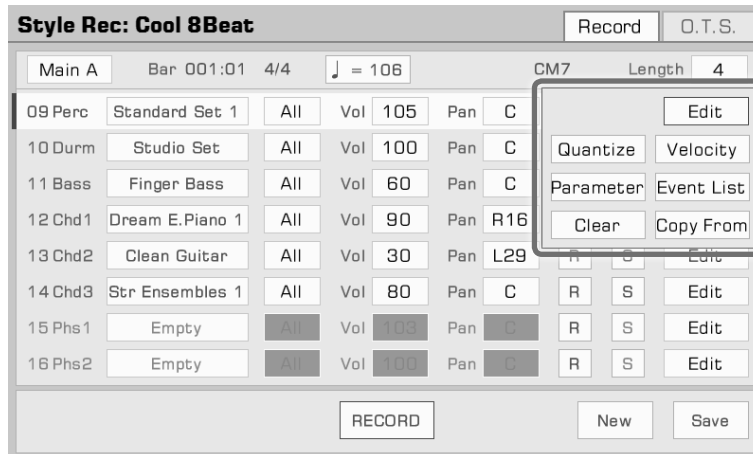


Press the pan value. Then, press the Up and Down arrows, use the [DATA DIAL], or use the [←/→] buttons to adjust the pan value.



Further Editing a Style

Get into deep editing for your Style recording! Press the “Edit” buttons at the right of each channel to access detailed parameter menus.



Quantize

The quantize function can help you arrange the notes in the channel according to certain timing rules. Adjust this parameter to make your notes sounds more neatly.

Original

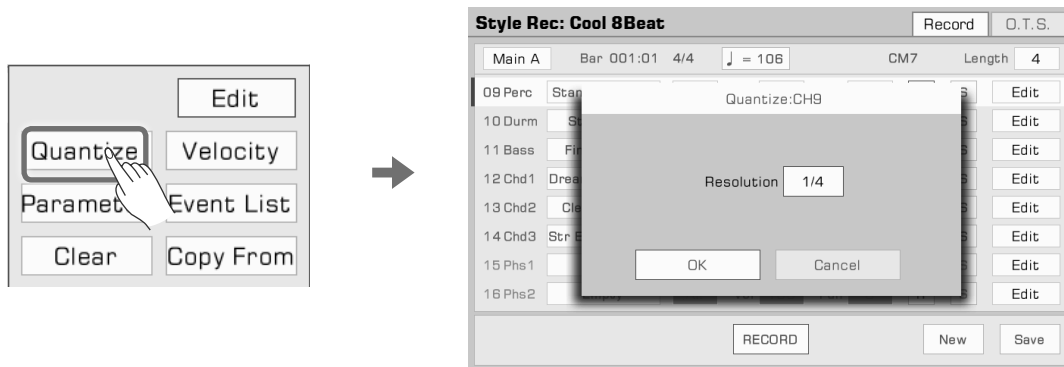


Quantized to 1/8 notes



Auto Accompaniment

Press the “Quantize” button at the list to bring up a pop up window.



Press the quantize accuracy to bring up a list. Select an accuracy amount and the notes will be quantized accordingly.

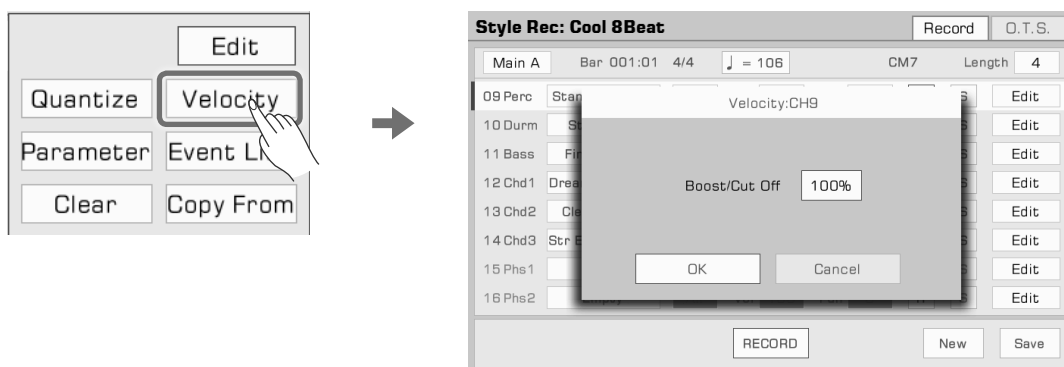


To optimize your accuracy, set Quantize to the shortest note value in the channel. For example, if eighth notes are the shortest in the channel, set eighth notes as the Quantize accuracy.

Velocity

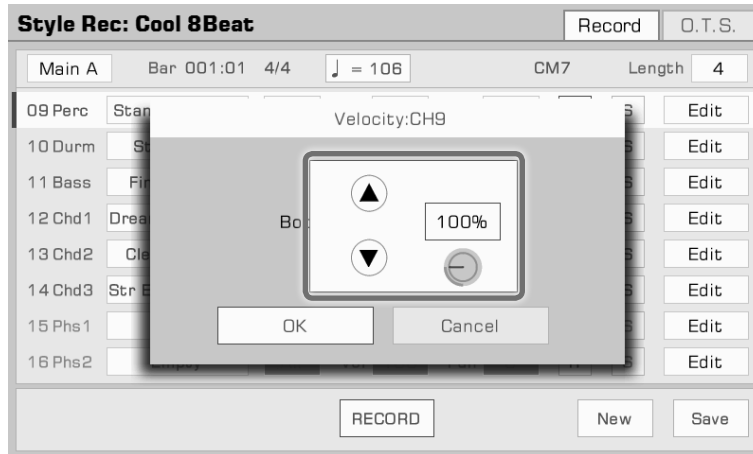
Edit the velocity of the notes in a channel. If you feel the overall velocity of a channel is too high or too low, use this function to adjust the overall velocity without losing the dynamic velocity.

Press “Velocity” to bring up a pop up window.



Auto Accompaniment

Press the velocity value. Then, press the Up and Down arrows, use the [DATA DIAL], or use the [</>] buttons to adjust the velocity percentage.

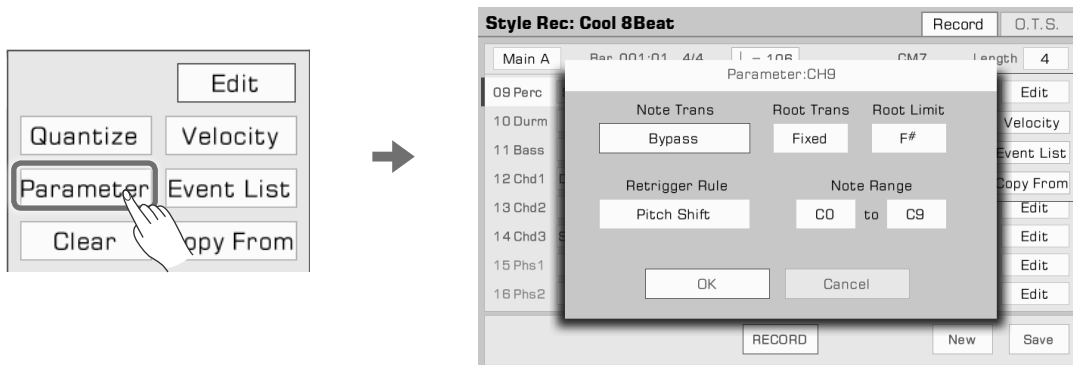


Set the velocity percentage above 100% to increase the overall velocity of the channel. Set it below 100% to decrease the velocity.

Setting the chord control parameters

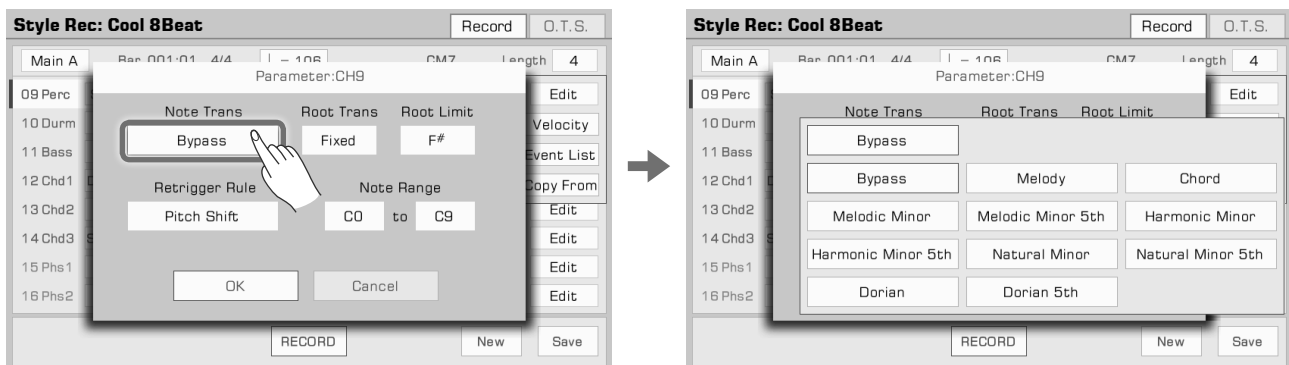
During Style playing, the notes in each channel will respond to your chord playing according to their settings, resulting in various changes. Here is how to adjust the settings:

Press the “Parameter” button to open the chord control parameter window.



1. Note Trans

Press the “Note Trans” button. This sets the note transposition table for the source pattern.



Auto Accompaniment

When a major chord changes to a minor chord, the original notes in the scale will become lower. When a minor chord changes to a major chord, the original notes in the scale will become higher.

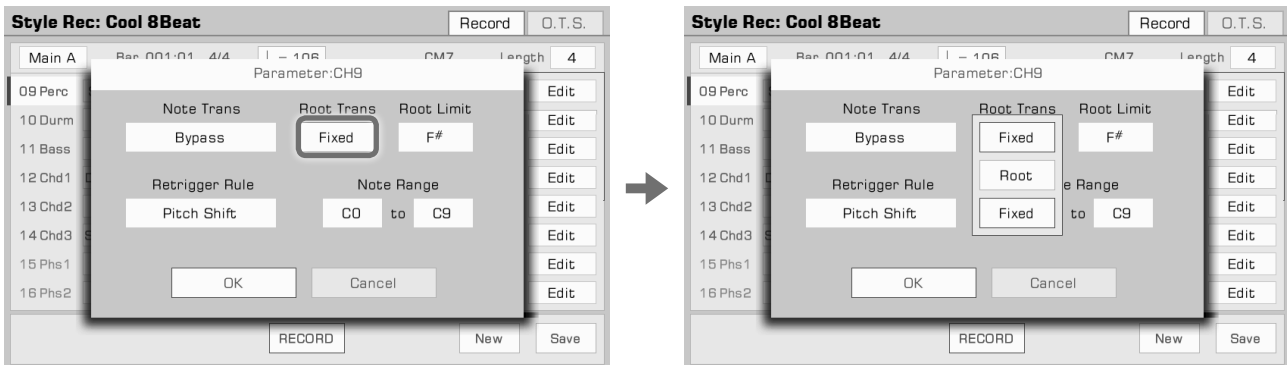
The following is a brief overview of the general usage of “Note Trans”:

Bypass	Suitable for percussion Channel
Melody	Suitable for melody and bass channels
Chord	Suitable for chord transposition
Melodic Minor	Suitable for Intros and Endings. Scale change: Third
Melodic Minor 5th	Suitable for Intros and Endings. Scale change: Third, Fifth
Harmonic Minor	Suitable for Intros and Endings. Scale change: Third, Sixth
Harmonic Minor 5th	Suitable for Intros and Endings. Scale change: Third, Fifth, Sixth
Natural Minor	Suitable for Intros and Endings. Scale change: Third, Sixth, Seventh
Natural Minor 5th	Suitable for Intros and Endings. Scale change: Third, Fifth, Sixth, Seventh
Dorian	Suitable for Intros and Endings. Scale change: Third, Seventh
Dorian 5th	Suitable for Intros and Endings. Scale change: Third, Fifth, Seventh

2. Root Trans

Root Trans sets the rules when a root note Changes.

Press “Root Trans” to bring up a list displaying the chord root note position.

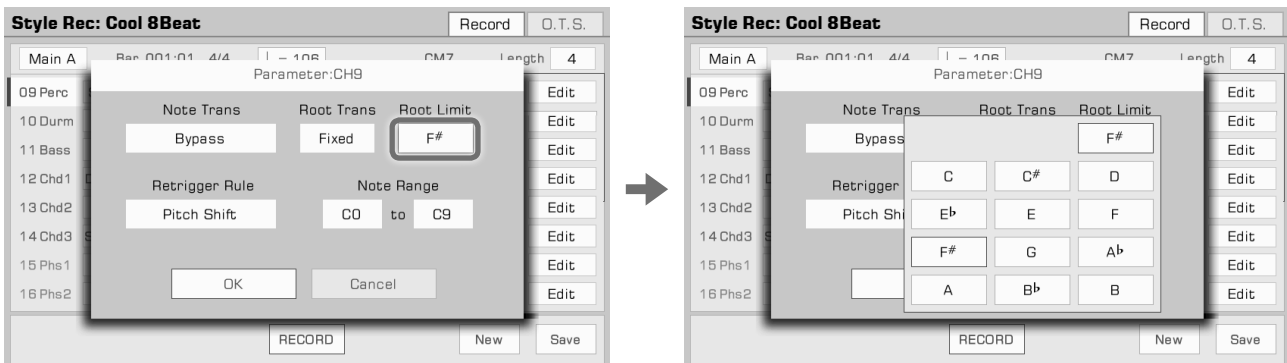


The following is a brief overview of the general usage of “Root Trans”:

Root	Suitable for melody and bass channels. Root Trans Rule: Keep the pitch relationship between notes.
Fixed	Suitable for percussion channels containing a chord channel. Root Trans Rule: Keep the note as close as possible to the root note of the previous chord.

3. Root Limit

Press “Root Limit” to bring up a list displaying the root limit rules.

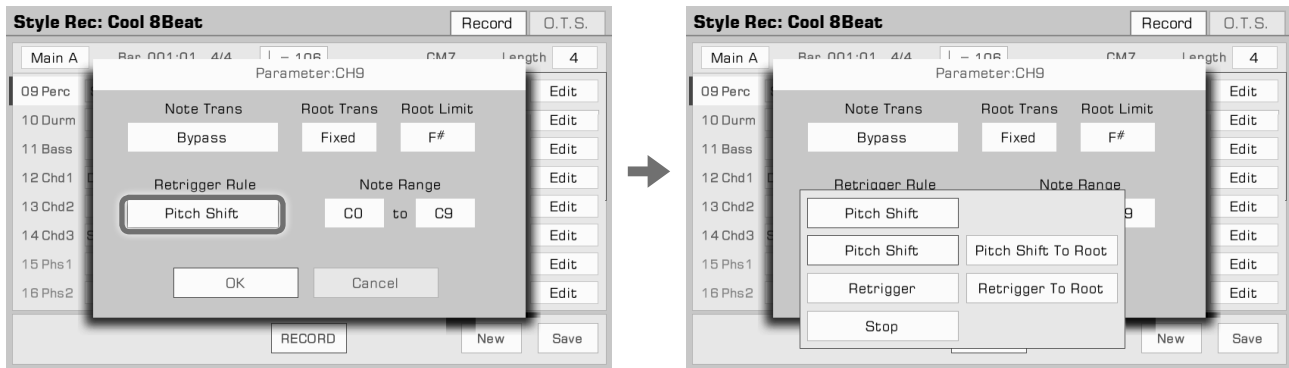


Auto Accompaniment

Acoustic instruments have a note limit determined by a real range. This parameter limits the root position in a chord which shifts down an octave in the current channel.

4. Retrigger Rule

Press “Retrigger Rule” to bring up a list of retrigger rules.



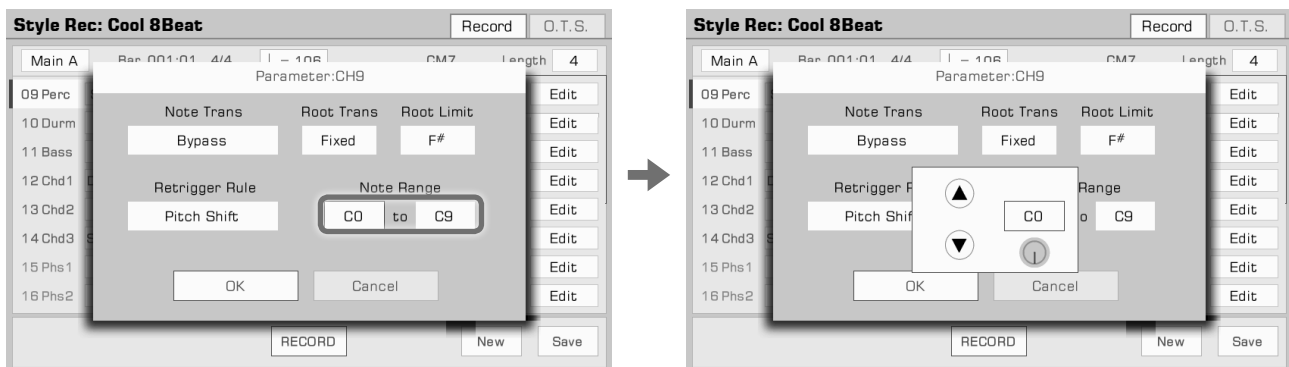
By adjusting this parameter, you can determine how notes in the current channel respond to chord changes.

The following is a brief introduction of “Retrigger Rule”:

Pitch Shift	When a new chord is played, the notes played will bend to the new pitch instead of re-trigger with new attacks to match the new chord type.
Pitch Shift Root	When a new chord is played, the notes played will bend to the new pitch to match the new chord root.
Retrigger	When a new chord is played, the notes played will be stopped, then new notes will be re-triggered to match the new chord root.
Retrigger Root	When a new chord is played, the notes played will be stopped, then new notes will be re-triggered to match the new chord root in the same octave.
Stop	When a new chord is played, the notes played will be stopped.

5. Note Range

Press the note names under “Note Range” and use the [DATA DIAL], [←/→] buttons, or press the arrows to change the note range.

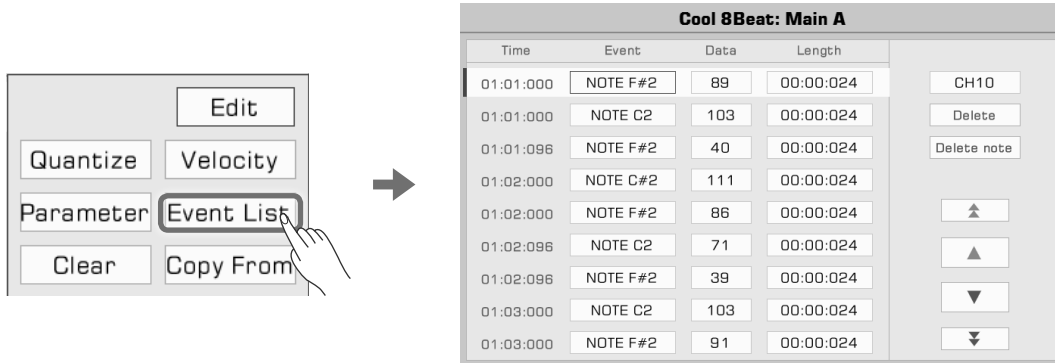


Note range will automatically shift notes which are too high or too low into the range you have set, making the voices sound as realistic as possible.

Editing Each Note of the Style

With the powerful Event List function, you can edit each note of channel; this is very helpful for detailed modification of your style.

Press “Event List” of Edit to enter the event list interface.



In the event list menu, each row displays events in the current channel. You can see information about each note played.

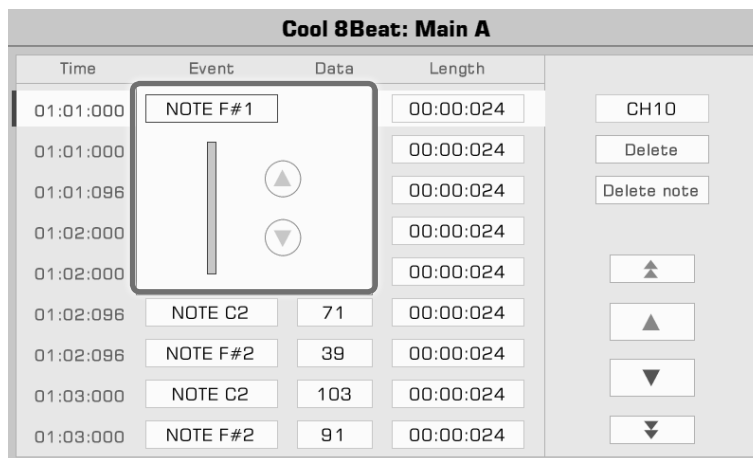
Time	Event	Data	Length	
01:01:000	NOTE F#2	89	00:00:024	CH10

- Time: The time the event occurred, expressed “Bar: Beat: Tick”.
- Event: The event type and name. You can use “NOTE”, “CTRL” and “PROG” events.
- Data: Event parameter. The parameters and their expressions vary with the event type.
- Length: The length of notes.

You can edit the information for each event within the channel in detail.

1. Change an Event

Press the “Event” button to edit the event.



Edit different objects corresponding to different event types:

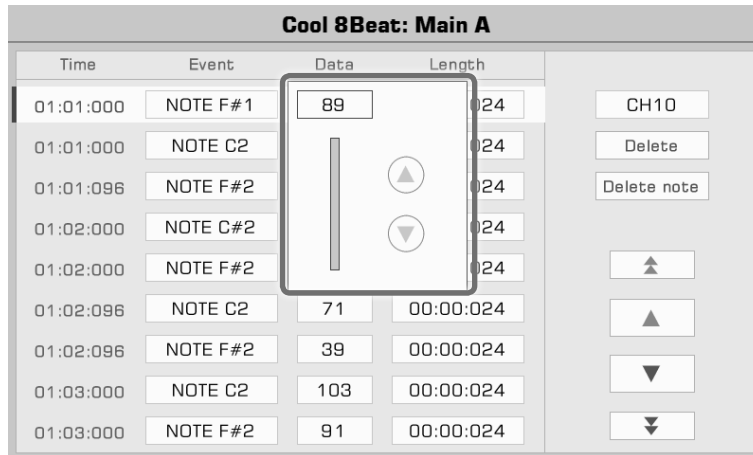
- NOTE: This event changes the note pitch.
- CTRL: This event changes the number of controllers.
- PROG: This event changes the program selection.

Tips: If you have selected a Main, Fill or Break section the NOTE events can only be set to the C Maj7 chord notes, with the exception of the two percussion channels.

Auto Accompaniment

2. Edit the Event Parameters

Press the "Data" button to edit the data of the event.

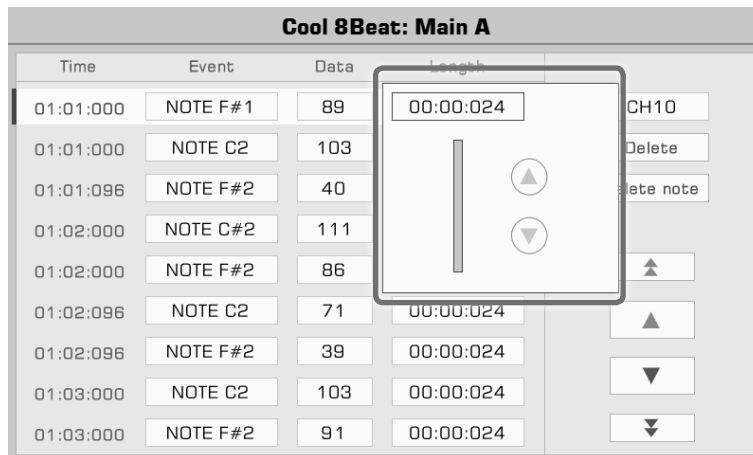


Edit different parameters corresponding to different event types:

- NOTE: This event changes the note velocity.
- CTRL: This event changes the controller parameters.

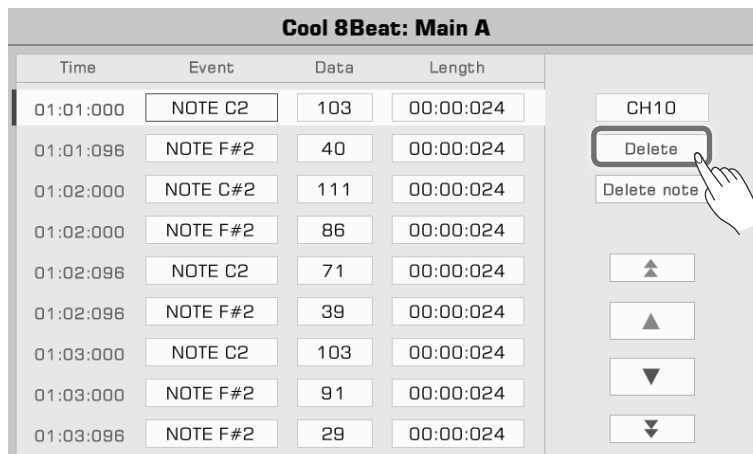
3. Change Note Length

Press the "Length" button to change the length of notes (for Note events). Using DATA DIAL, up down button and [</>] button to adjust the beat and measure lengths, the unit is tick.



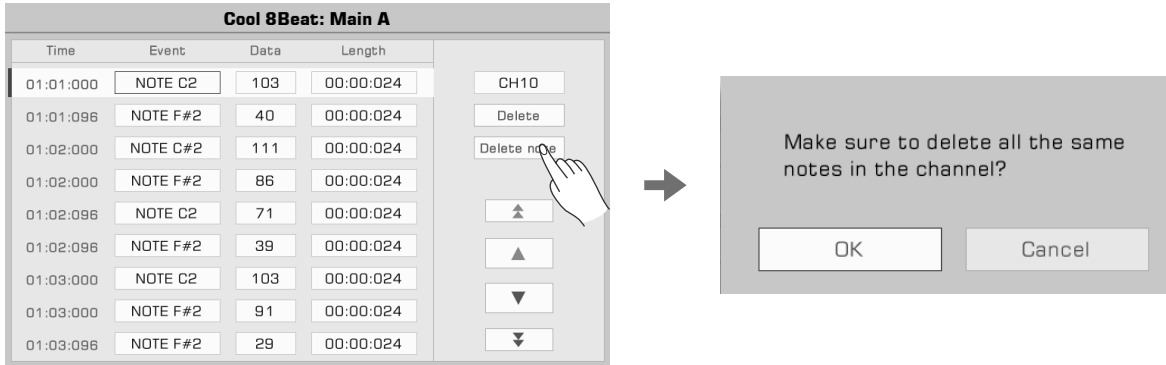
4. Delete a Note

Select an event, then press the "Delete" button on the right to delete the event.



5. Delete All Notes of the Same Pitch

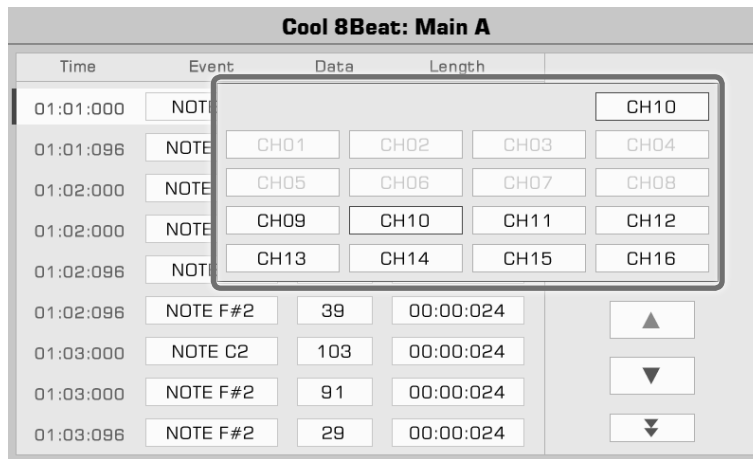
Select a NOTE event, then press the “Delete note” button to delete all the notes of the same pitch as the note you selected.



Note! After you delete the notes of the same pitch, the deleted content cannot be recovered after the edited style overwrite the previous style.

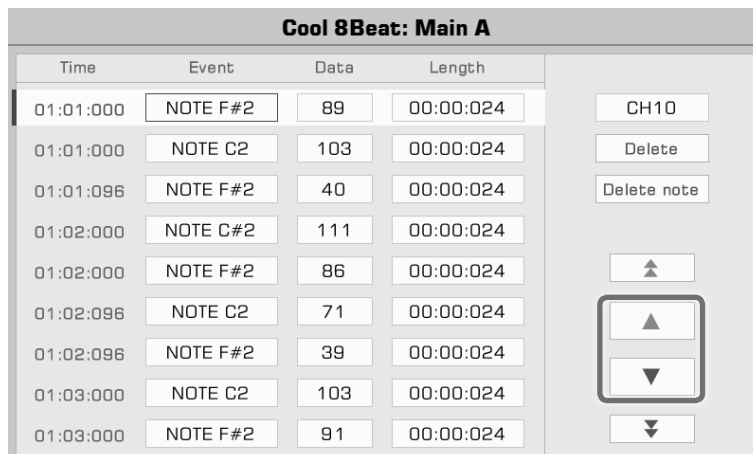
6. Select Channel

To directly change a channel selection in the Event List without returning to the Style editing menu, simply press the “Channel” button in the display and select a different one.



7. Preview Event

Press the up and down arrows to select the event and listen to it (if it is a music event).



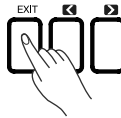
Auto Accompaniment

Press the double arrows to scroll between pages.

Time	Event	Data	Length	
01:01:000	NOTE F#2	89	00:00:024	CH10
01:01:000	NOTE C2	103	00:00:024	Delete
01:01:096	NOTE F#2	40	00:00:024	Delete note
01:02:000	NOTE C#2	111	00:00:024	▲
01:02:000	NOTE F#2	86	00:00:024	▲
01:02:096	NOTE C2	71	00:00:024	▼
01:02:096	NOTE F#2	39	00:00:024	▼
01:03:000	NOTE C2	103	00:00:024	
01:03:000	NOTE F#2	91	00:00:024	

8. Exit Event List

Press panel [EXIT] button to return to the Style Recording menu. You can save your changes there.



Clear

Press the “Edit” button and then select “Clear”. Press “OK” in the pop up window to clear the channel content.

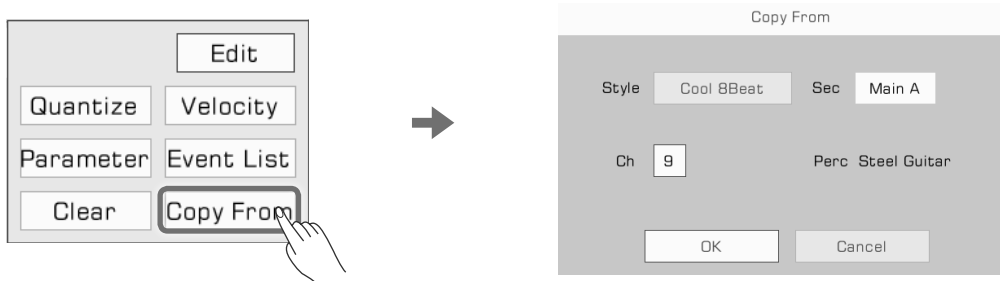


Note! After you delete the notes of the same pitch, the deleted content cannot be recovered after the edited style overwrite the previous style.

Copy From

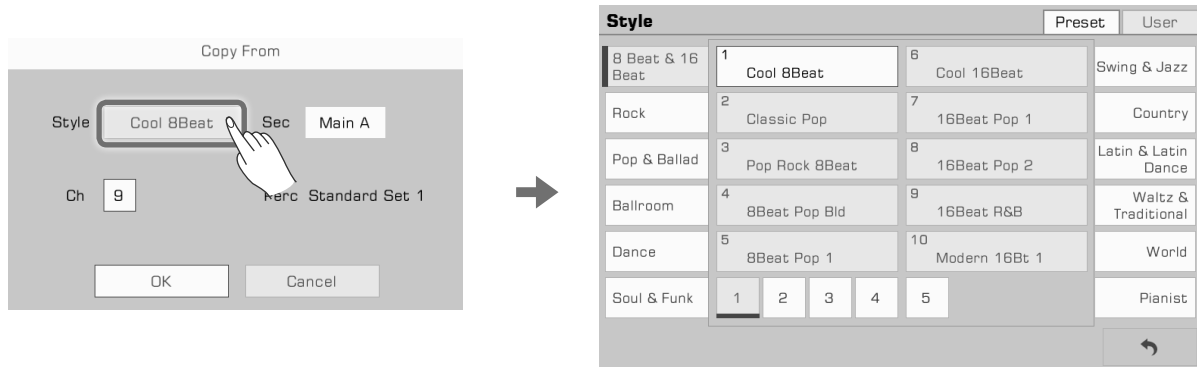
Copy a channel from an existing style to the editing Style.

Open the “Edit” menu, and press “Copy From” to bring up a pop up window. Select the source of the channel you want to copy.

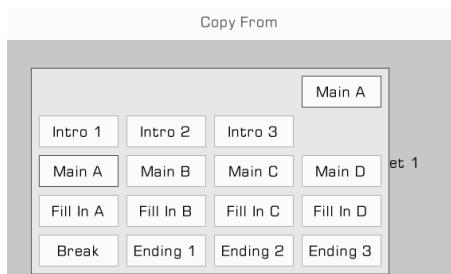


Auto Accompaniment

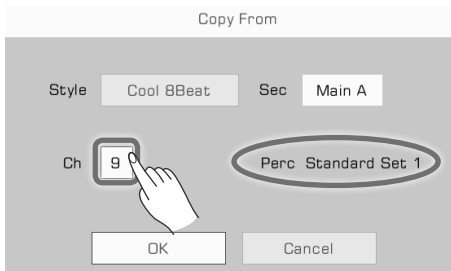
1. Press the Style name to enter the Style Selection menu. Select a Style from the different tabs and categories. Press the [EXIT] button to confirm your selection and return to Copy From popup.



2. Press the section name to bring up the section list. Then, select one as the section source.



3. Press the channel number to bring up the channel list. Then, select one as the channel source. Additional information about the channel will appear to the right of the selection box.



Tips: The data source you selected for the current edit channel needs to match, please note:

- If you are editing the Perc or Drum channel, the only source channel you can copy from is Perc or Drum.
- If you are editing the Bass channel, the only source channel you can copy from is Bass.
- If you are editing the Chord or Phrase channel, you can choose any channels except for Rhythm and Bass channels as a copy source.

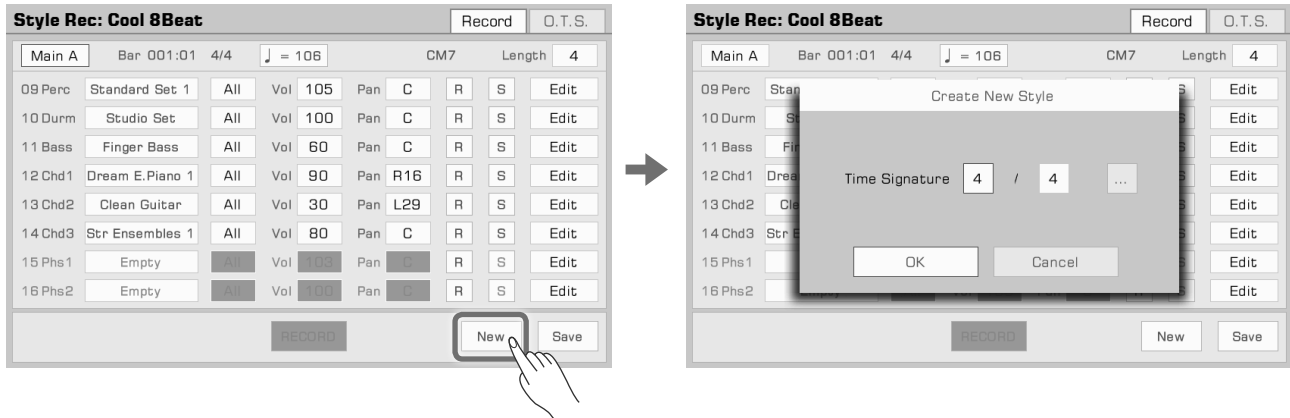
Auto Accompaniment

Recording your Performance as a New Style

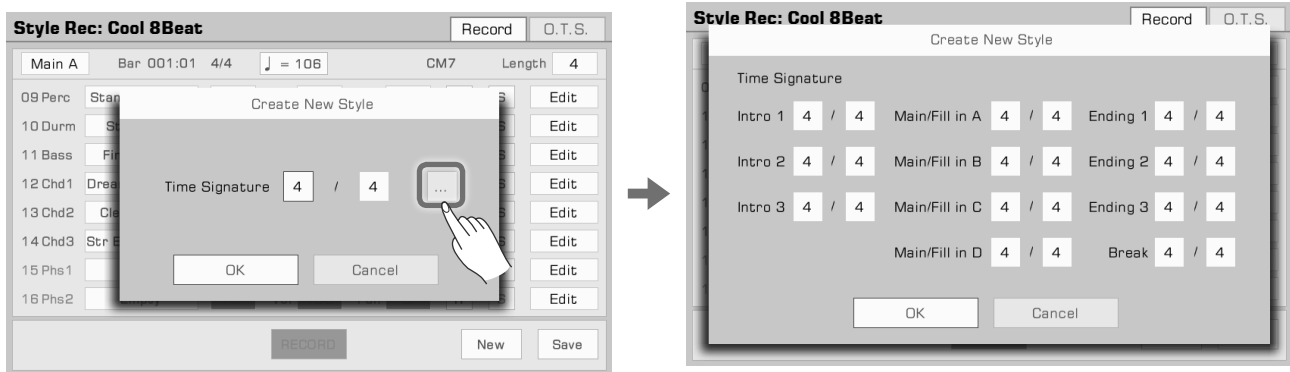
Besides editing the existing music content, you can also record your own performance as a Style channel.

1. Create a blank style

Press the “New” button. Set a time signature new Style and press “OK” to confirm.



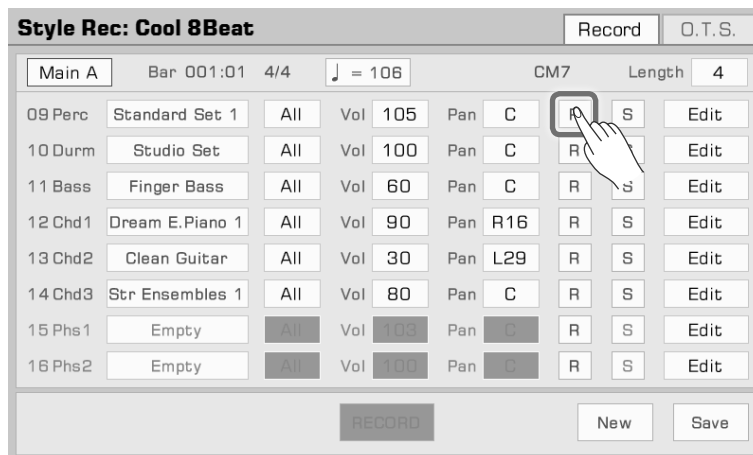
Press the [...] button to open the advanced setting pop-up window. Set different Time Signatures for each section. Press [OK] to save and return to the Style Recording menu. Using the powerful and innovative Style recording function, you can also set different Time Signatures for different sections as follows.



Tips: If you just want to record a new style based on an existing style, select a style and skip this step.

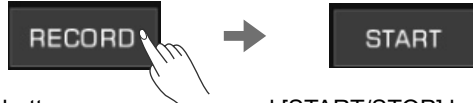
2. Select the channel for recording

You must select a channel to record. The button you choose will light up and will arm the channel for recording.



3. Start record

Press the RECORD button. The button will change to START and await recording.



Play the keyboard, press the START button, or press the panel [START/STOP] button to start recording. The screen button will change to "Stop".



The current style section will playback in a loop while recording, and the notes you play will overdub the existing music content of the channel.

Note! The sections which are not Intro or Ending are set to the CM7 chord. No matter what you play, only the notes in CM7 chord (1-3-5-7) will be recorded. Some functions and panel buttons are unavailable while recording.

4. Stop recording

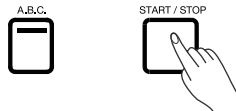
Press the screen "STOP" button, or press the panel [START/STOP] button to stop recording.



You can now listen to your recording or edit it later.

Listen to the Edited Style

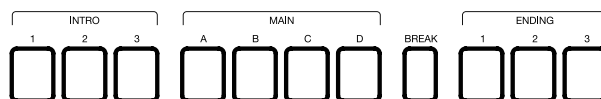
Pressing the [START/STOP] button on the panel will begin playing the edited Style section in a loop. While it is playing, turn the [A.B.C.] button on and play a chord in the chord area to listen to the effect.



You can also listen to a channel of editing section by pressing the "Solo" button to turn it on.



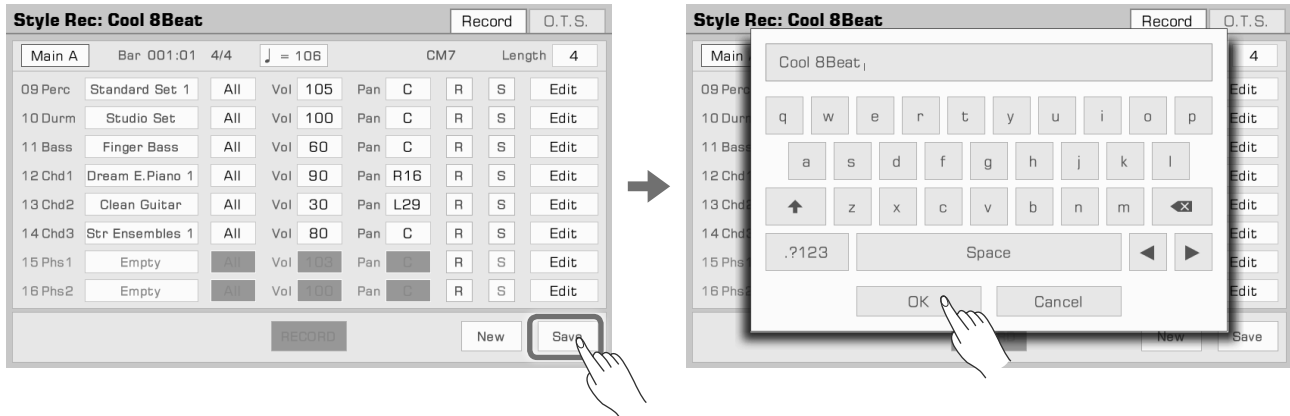
Switch to the section you want to listen to by using the Style section button on the panel. In style recording listening mode, different from the usual playback, all the sections will be played in a loop.



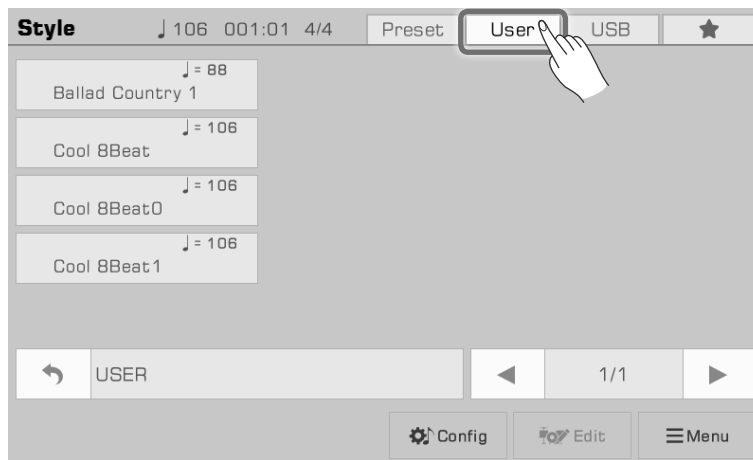
Auto Accompaniment

Saving Edited Style

Press the “Save” button on the lower right and enter name of the style. Save the new User Style after pressing “OK”.



You can locate the new User Style you saved in the User tab.

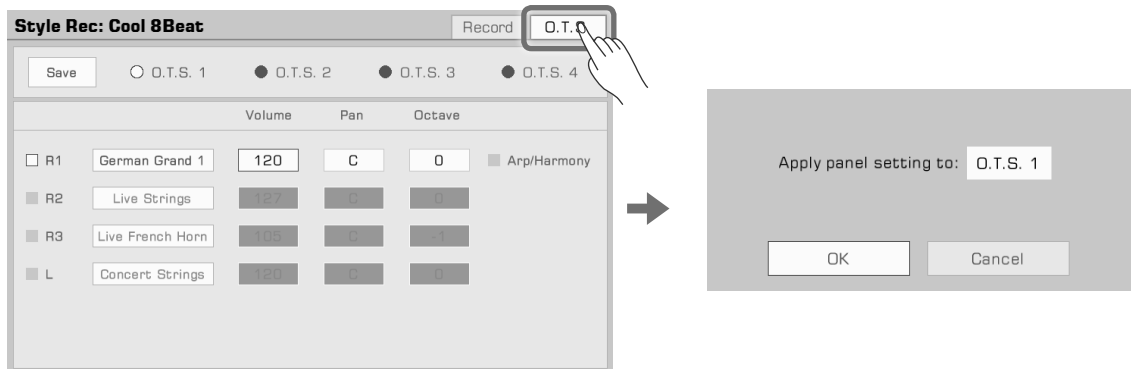


Setting Style O.T.S. (One Touch Settings)

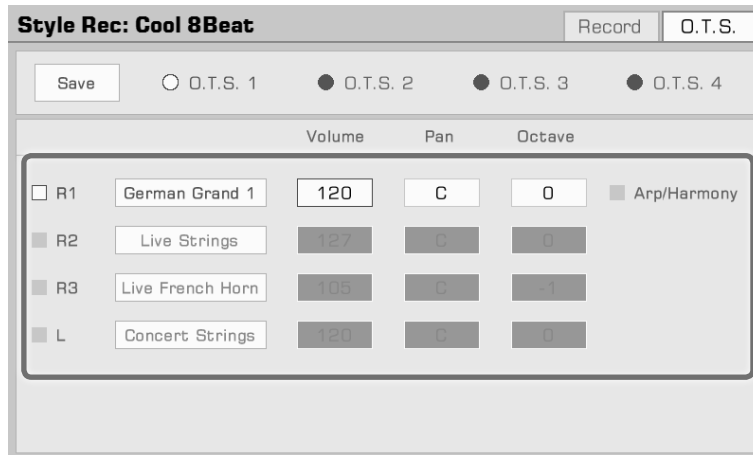
By editing the O.T.S. of the Style, you can modify the tonal parameters to match the Style to suit your playing preferences.

1. Press the O.T.S. tab to enter the O.T.S. settings menu.

When you enter the O.T.S. settings menu for the first time, you will be asked if you want to apply the current panel setting to an O.T.S. Either apply the current panel or close the query and adjust it yourself.

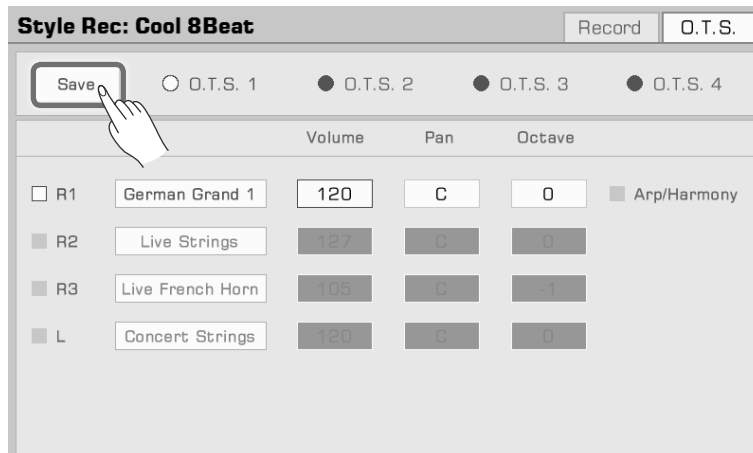


2. The O.T.S. settings menu allows you to set each detailed parameter of the O.T.S.



- Part ON/OFF: Turn on/off the Parts (R1, R2, R3, L)
- Voice: Select a Voice for each Part.
- Volume: Set the Volume for each Part.
- Pan: Set the Pan value for each Part.
- Octave: Set the Octave for each Part.
- R1 Arp/Harmony ON/OFF: Set the Arp/Harmony ON/OFF for R1.

3. Press the “Save” button to save your settings.

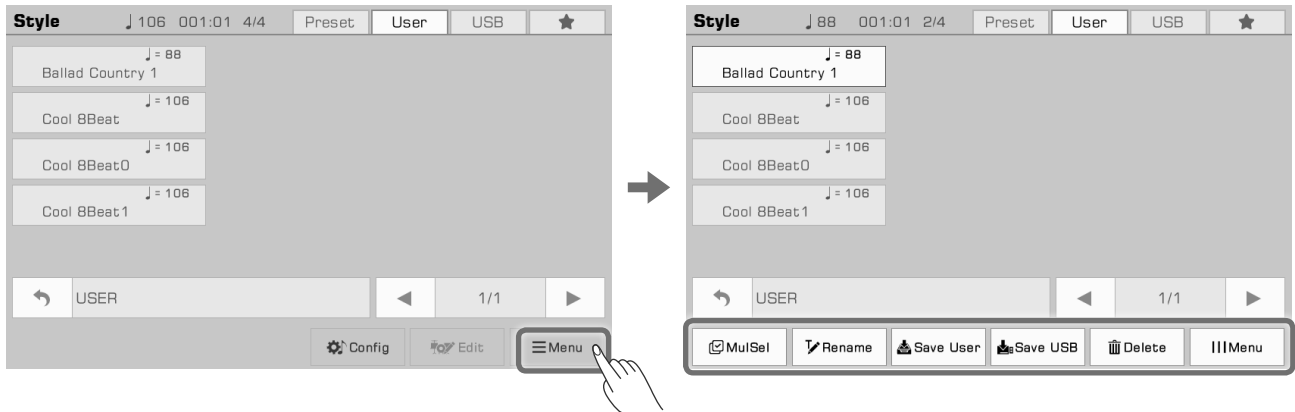


Auto Accompaniment

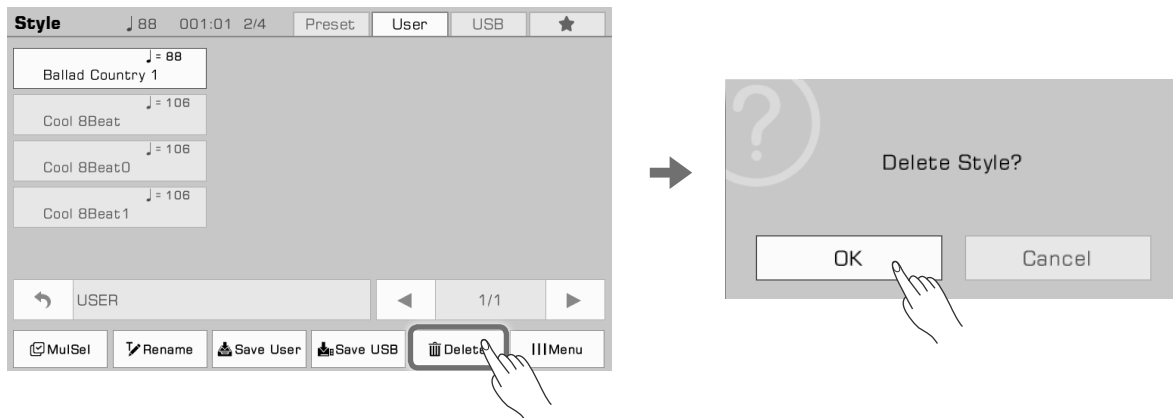
Saving, Deleting or Renaming the User Style

User Styles can be deleted, renamed, or saved to a USB storage device.

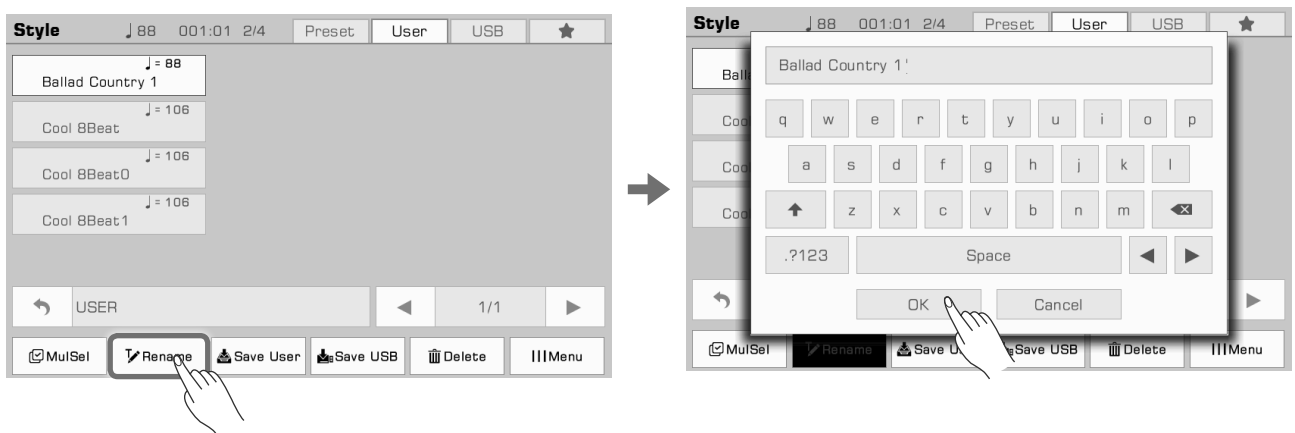
1. Press the “User” tab and select a user style.
2. Press the “Menu” button to call up the menu.



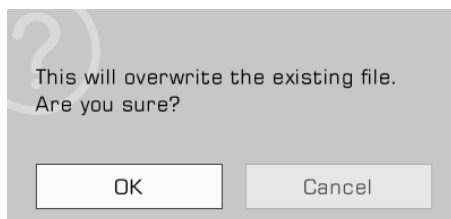
3. Press the “Delete” and press “OK” in popup to confirm.



4. Press the “Rename” button and enter a new name with the soft keyboard. Press “OK” to save the new Style to User tab.

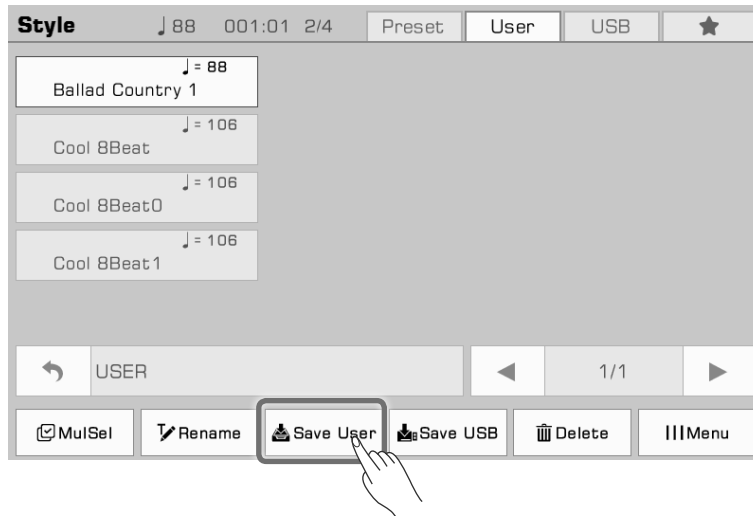


If the name already exists, a warning pop up will remind you whether overwrite the existing file.



Auto Accompaniment

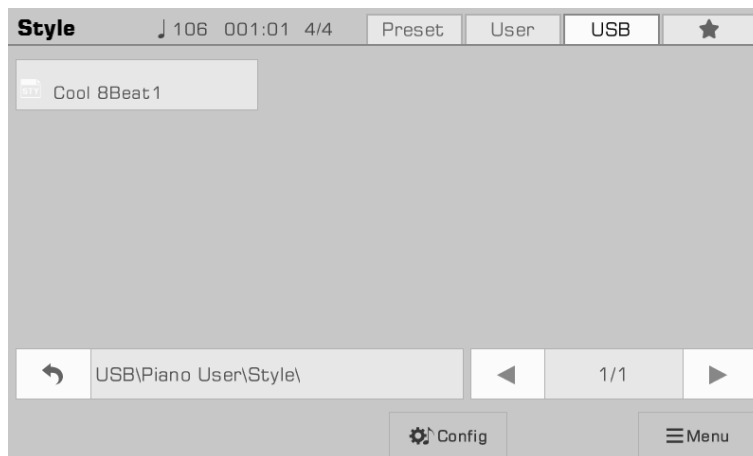
5. Press the “Save User” icon to enter a new name with the soft keyboard. Press “OK” to save the new Style to User tab.



6. Press the “Save USB” icon and enter a new name with the soft keyboard. Press “OK” to save the new Style to a USB device.



Press the “USB” tab to find the style you saved in the USB device.



Tips: You can add preset Styles, User Styles, or Styles in the USB Device to “My Favorites” the same way you do with preset style.

Song and Audio

Playing Song and Audio

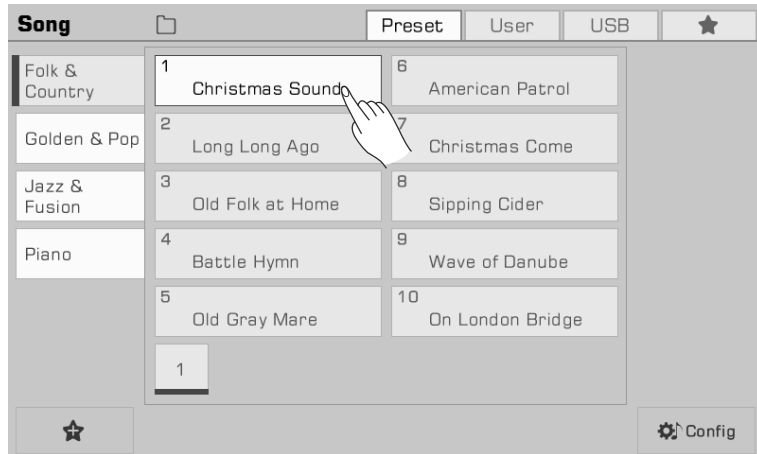
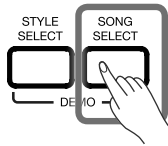
This instrument features various classic music to listen to.

You can also play audio files (WAV / MP3 / AAC / m4a formats) from a USB device through the built-in speakers.

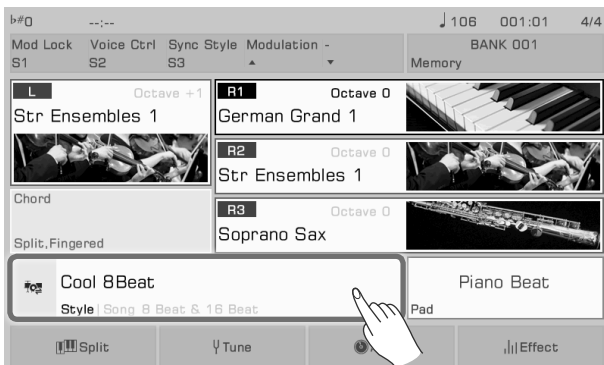
Selecting Songs

1. You can select preset songs one of the two following ways:

- Press the [SONG SELECT] button to enter the song selection menu. Press a genre name to display songs from different styles. Press a song name to select a song.



- Select Song mode from the style/song area in the main display. Press this button to enter the song menu. Choose a genre and song.



- To select user songs, press the “User” or “USB” tab and select a song file from the menu.

Playing on the Keyboard During Song Playback

In Song mode, the [START/STOP] button LED will be lit. Press the [START/STOP] button to play the song.

Press [START/STOP] again to stop the currently playing song.

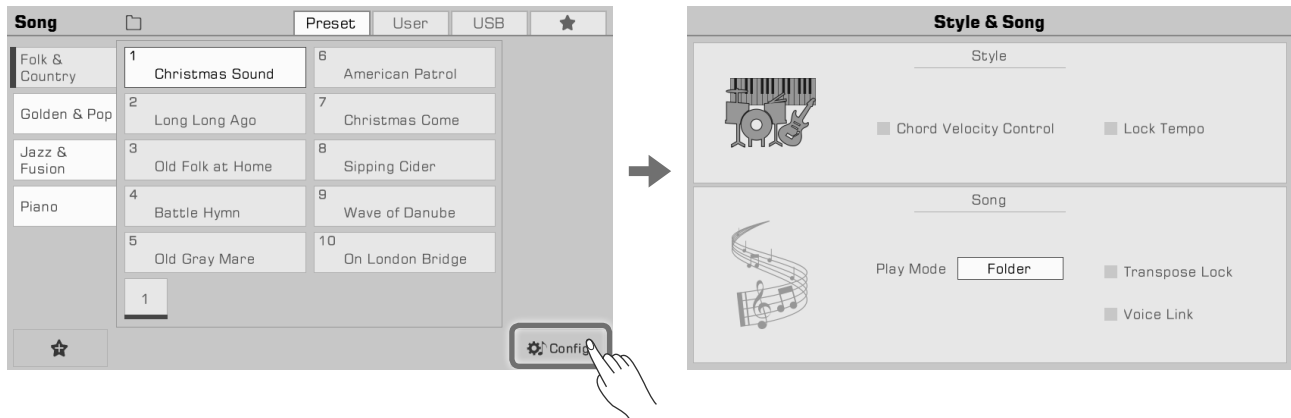


Press [Pause] button, the playing song will pause and press again to resume playing from the current position.



Here's how to play the keyboard in the main melody voice while a song is playing:

1. Press the "Style & Song" button below to enter the Style & Song menu. You can also enter the Style & Song menu via Global Setting.



2. Check the box to select the Song Voice Link option. The R1 tone will be set as the main melody voice of the currently selected song.

You can also select other voices to play, but if the Song Voice Link is turned on, the keyboard voice will automatically follow the voice of the new Song you selected.



In some cases, you may want the song not to be affected by the transpose feature. For example, when a song is in C# major and you want to use as few black keys as possible, playing only the white keys.

There is a "Song Transpose Lock" which can retain the default transpose settings of a preset or user song and only change the transposition of the keyboard.

1. In the Style & Song menu, turn on "Song Transpose Lock" switch. The Song will not respond to transpose changes but will retain the default transpose setting.



2. Now, you can use the panel [TRANSPOSE<] or [TRANSPOSE>] to change the pitch of the keyboard sound and play the keyboard as the song plays.

Turn off the Song Transpose Lock, and the song will respond to the system transposition.

Song and Audio

Operating Song Playback





Select Song Play Mode

There are three ways to change playback mode:

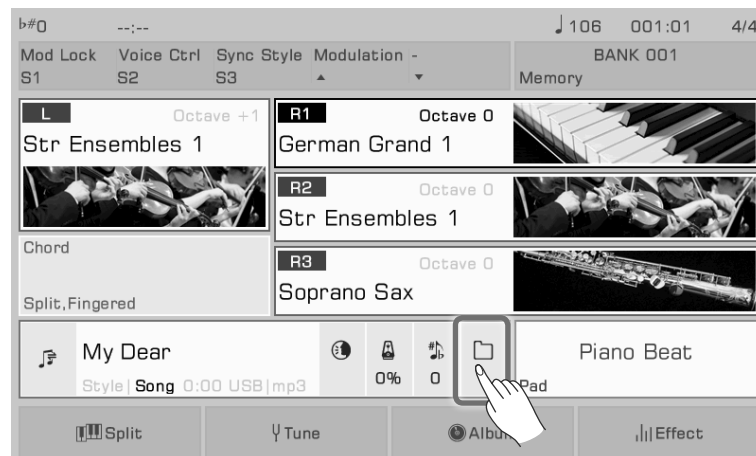
The default song play mode is: Order. In this play mode, the songs in the current group will be played in order and stop automatically after the last song is played.

1. Press the “Song Play Mode” icon on the upper right corner of the song selection menu to switch the song play mode.

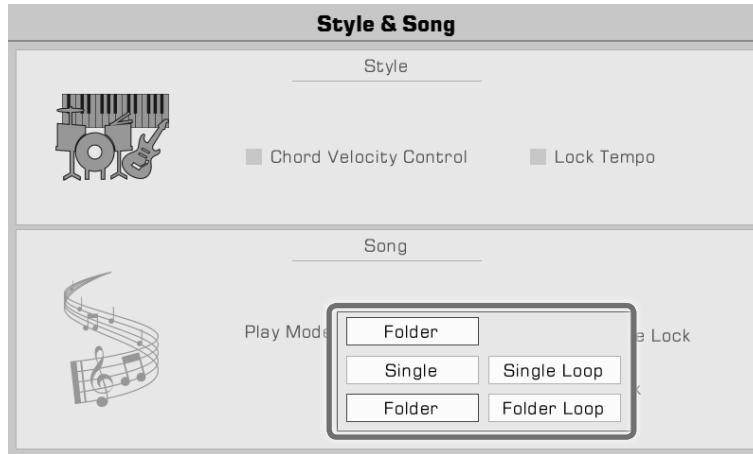


	Order: Play the songs in the current group in order and stop automatically after the last song is played.
	Single: The currently selected song will automatically stop after playing.
	Single Loop: The current song will play repeatedly.
	Group Loop: The current group of song will play in a loop.

2. Press the song play mode icon on the right side of the song area in the main menu to switch the song play mode.



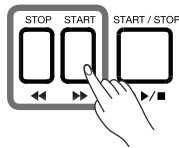
- Enter the “Style & Song” menu through “Global Setting”. Press “Song Play Mode” and select a mode from the pop up list by using DATA DIAL or [</>] button.



REWIND and FAST FORWARD

Pressing the [REW] or [FF] button allows you to jump to a certain measure of a song during playback. The Song play position will be visible.

Press and hold either button to fast forward (right arrows) or rewind (left arrows).



Add Songs to “My Favorites”

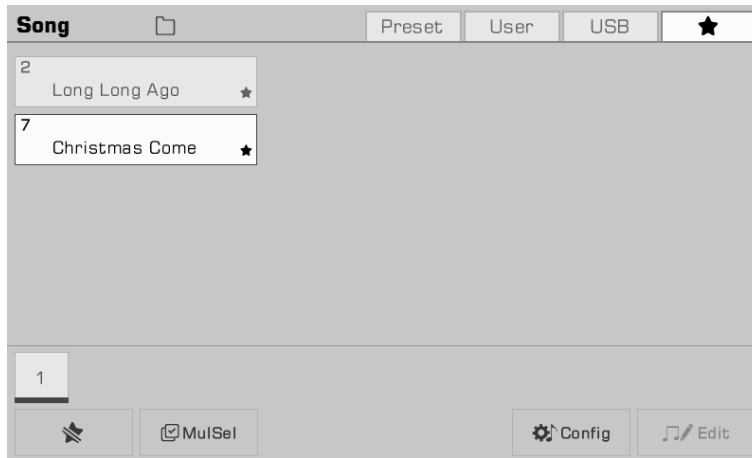
Add selected Songs to “My Favorites” as follows:

- Press the “Add to Favorite” icon at the bottom. A star will appear to the right of the selected Song name. Press the button again to remove it from “My Favorites”.



Song and Audio

2. Press the “My Favorites” tab to access the songs you saved. You can remove one or more of the songs in this menu anytime.

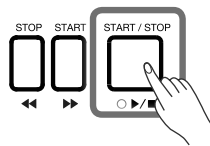


Audio Playback

1. Press the “USB” tab to display all the songs and audio files saved on the external device. Press a file name to select it.



2. Press the [START/STOP] button to start playing the audio.



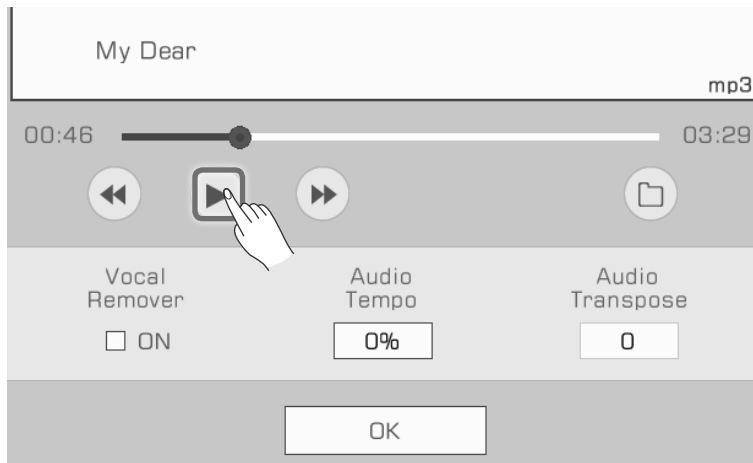
Operating Audio Playback

Play audio files using the instrument’s built-in audio player.

When you select an Audio file from the USB device, click the “Audio Pro” button to bring up the Audio player.

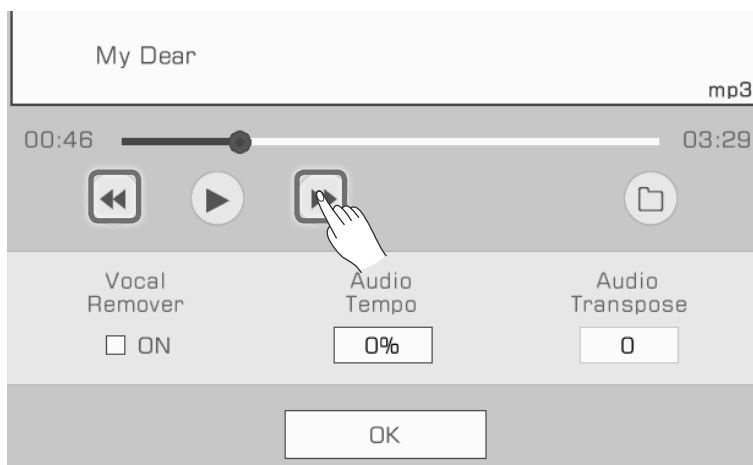


Use the “play/pause” button in the player to play or pause the audio.

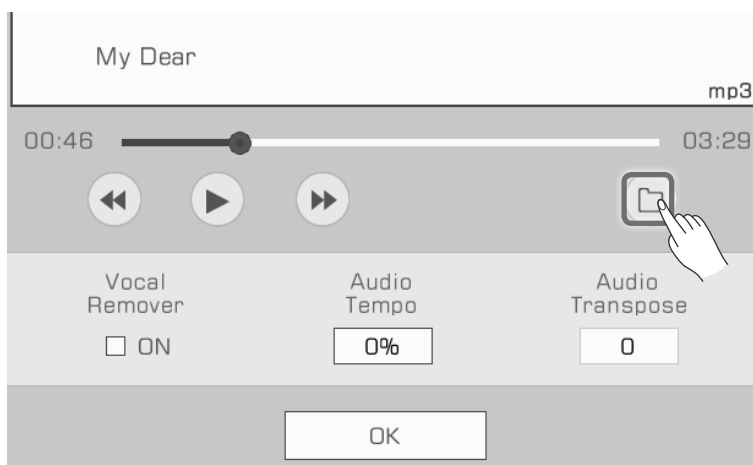


When the audio is playing or paused, you can press the “Rewind” or “Fast forward” arrows to rewind or fast forward in seconds.

Press and hold either arrow to rewind or fast forward quickly.



Press the “Audio Playback Mode” button to switch audio playback mode.



Song and Audio

Real-time Audio Processing

The instrument has powerful real-time audio processing functions. Audio playback has a vocal remover, tempo change, and transpose functions that let you do karaoke and other create other possibilities for your live performance.

Vocal Remover

The Vocal Remover eliminates the human voice part of the audio in real time. This allows you to use a keyboard or microphone to play or sing the main melody.

There are two ways to turn the Vocal Remover on or off:

1. Select the “Vocal Remover” option to turn it on, and the human voice track will be eliminated. You can turn this option off at any time to restore normal audio playback.



2. Press the “Vocal Remover” icon in the song display area of the main menu to turn the Vocal Remover function on or off.



Note! The actual result of the Vocal Remover depends on the type and quality of the audio files. If the file doesn't have a vocal track or is low resolution, this may result in unpredictable sound effects or human voice artifacts.

Audio Tempo

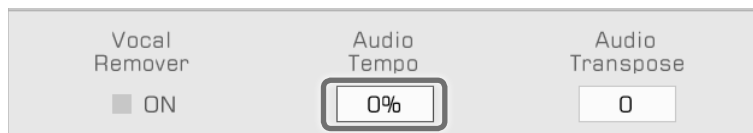
The Audio Tempo can be changed in real time without affecting the audio pitch.

There are two ways to adjust the Audio Tempo in real time:

1. Press “Audio Tempo” in the audio player and adjust the audio tempo percentage by using the [DATA DIAL] , [</>] buttons, or using the touch screen.

The adjustment range is -30% ~ +30%.

- When the percentage is 0%, the audio is played at default tempo.
- When the percentage is negative, the audio is played at a rate slower than the original tempo.
- When the percentage is positive, the audio is played at a rate faster than the original tempo.



2. Press the “Audio Tempo” icon on the song display area in the main menu to adjust the audio tempo in real time.



Note! The actual result of Audio Tempo function depends on the type and quality of the audio files. Results may be unpredictable for some files.

Audio Transpose

Use the Audio Transpose function to raise or lower the audio pitch in real time in without changing the tempo.

There are two ways you can do this in real time:

1. Press “Audio Transpose” in the audio player and adjust the transpose pitch by using the [DATA DIAL] , [←/→] buttons, or using the touch screen
The adjustment range is -5 ~ +6.



2. Press the “Audio Transpose” icon on the song display area in the main menu to transpose in real time.



Note! The actual result of the Audio Transpose function depends on the type and quality of the audio files. Results may be unpredictable for some files.

Song Recording and Audio Recording

This instrument has powerful recording capabilities. Record your performance, then store it in the instrument internal storage or save the high-quality audio files to a USB device, sharing with your family and friends.

MIDI Recording

With MIDI recording, you can record everything you play on the instrument, edit it, and play it back at any time.

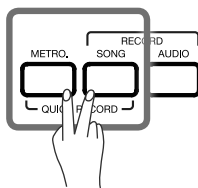
The MIDI songs you record will be saved in the User Song library. You can also play the keyboard during User Song playback and use it as accompaniment.

You can also save your recorded MIDI songs to a USB storage device. You can do detailed editing and create your own music by using other MIDI devices.

Quick Recording

Quick recording lets you get right into recording.

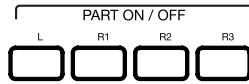
1. Press the [METRO.] and [SONG RECORD] buttons at the same time to instantly create a new song. The [SONG RECORD] LED light will flash. Now, look at your settings before you record.



Song and Audio

2. Here is how to set the recording parameters during the ready state:

- Record other keyboard parts
Turn on the Part switch on the panel to set the recorded parts.



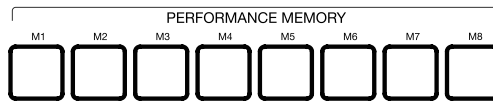
- Recording the Style

If you need to record the Style, check the “Rec Style” box to turn it on. After that, the Style channels will be recorded as notes.



- Recording and performance memory

Press any of the [M1] ~ [M8] buttons and the performance memory can be called immediately for recording.



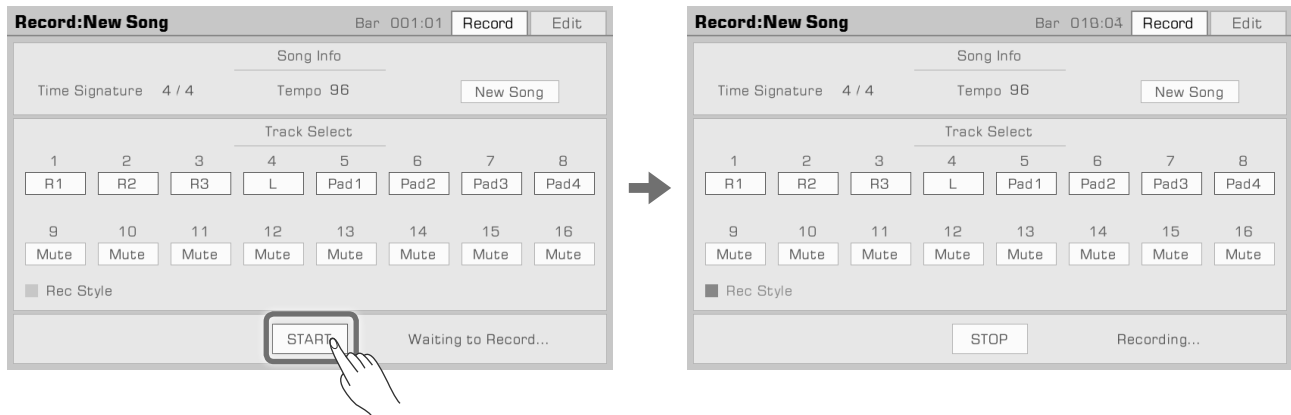
- Other Settings

You can also adjust the system tempo, transpose, and octave settings before recording.

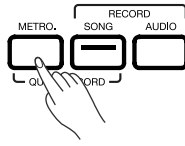
3. After adjusting your settings for recording, press the [START/ STOP] button. Start playing the keyboard or Phrase Pad to begin recording. The [SONG RECORD] LED will stay lit.



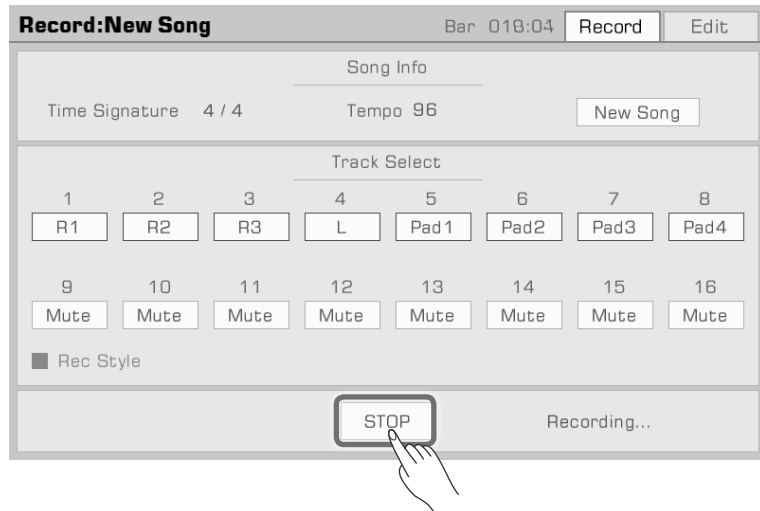
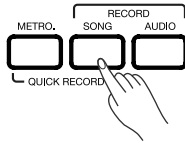
You can also press the “Start” button in the menu to start recording.



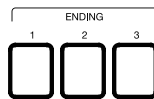
- Turn on the metronome at any time during the recording to assist your performance. The metronome sounds will not be recorded.



- Press “Stop” in the menu or press the [START/STOP] button on the panel to stop recording. The LED light will go off.

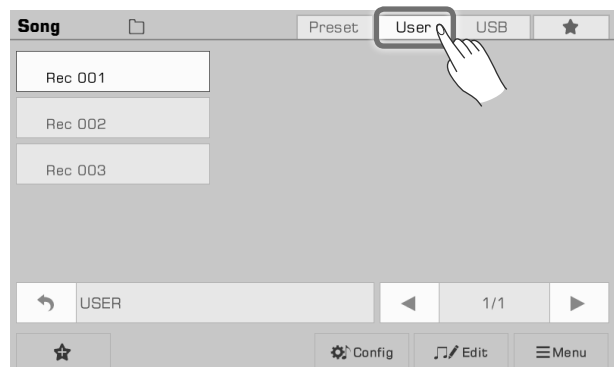


If you also recorded a Style, press the “Ending” section and the recording will automatically stop it finishes playing.



- After the recording is stopped, the soft keyboard will come up. Enter a new name and save your recorded song in the User Song library by pressing “OK”.

Press the [START/ STOP] button to play back the song you recorded. You can also go to the user song category any time to check your user songs.

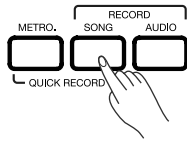


Song and Audio

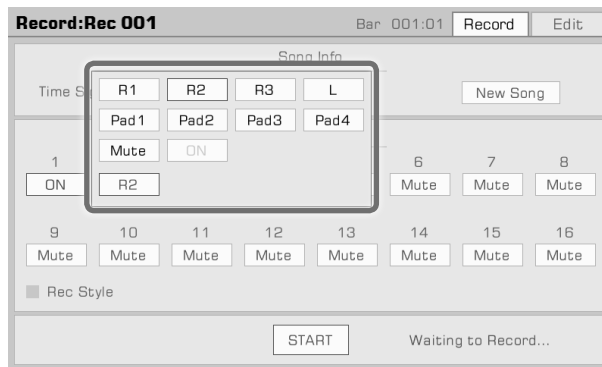
Multi Track Recording

Each Song contains 16 separate tracks, and you can record each track individually, building a song track by track

1. Press the “Song” button to enter the song recording menu.



2. Press the track name to bring up the track list and select the part you want to record. Then you can do some preparation for recording.



By default, the corresponding part of each track is:

1	R1
2	R2
3	R3
4	L
5	Pad 1
6	Pad 2
7	Pad 3
8	Pad 4
9~16	Style Channels

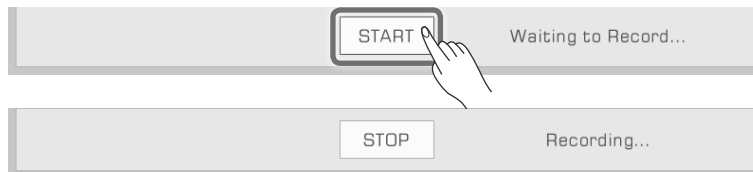
When music data is recorded, the track content is automatically set to “ON”. When recording other tracks, these tracks will be play back.

You can also set some tracks to “Mute” so that they will not be played while recording other tracks.

3. Press the “RECORD” button in the menu to get ready for recording. Now you can still make adjustments you need before beginning.



4. Press the “START” button in the menu to start recording your performance.



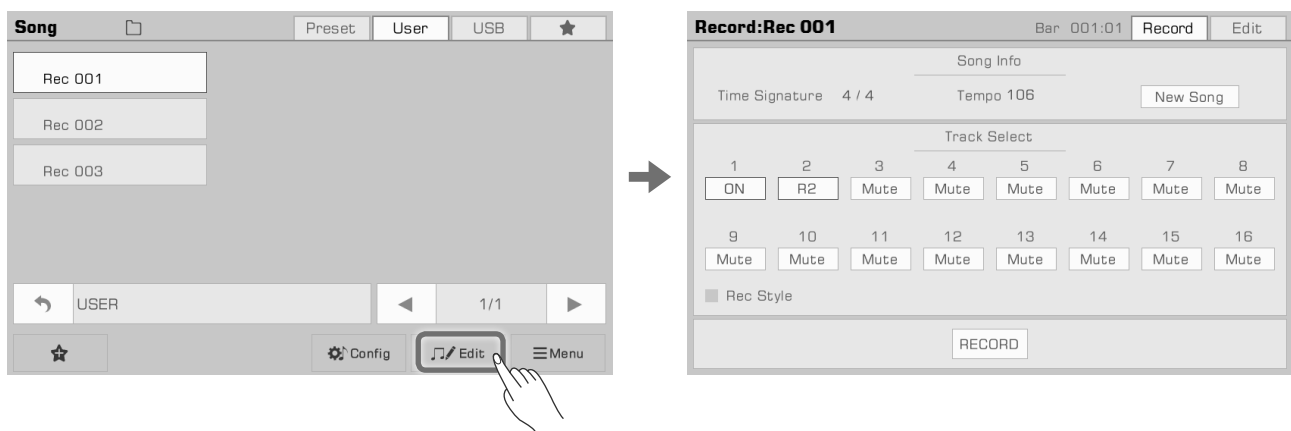
5. When you are finished, press the “STOP” button in the menu to stop recording.



After that, you can play or view your User Songs.

If additional tracks are required, repeat steps 2~5 above.

If you want to add recording tracks to a saved song, select the song from the User Song list and press the “Edit” icon to enter the recording menu. From there you can make additional recordings or edit the song.

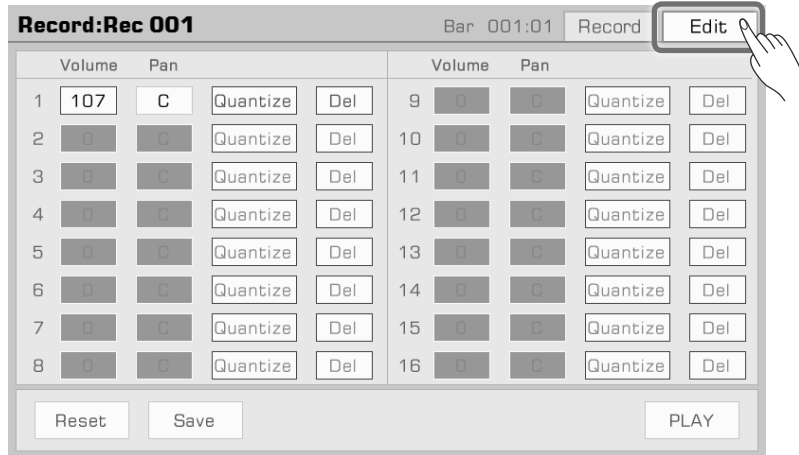


Song and Audio

Editing a Recorded MIDI Song

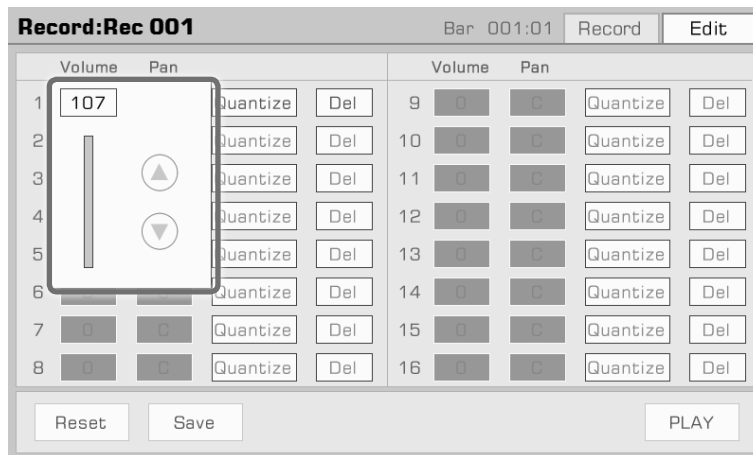
The song editing function allows you to adjust the volume, pan, and quantization of MIDI songs. You can also delete a track.

Press the “Edit” tab to enter the track editing menu of the current User Song. From here you can edit the MIDI song tracks.



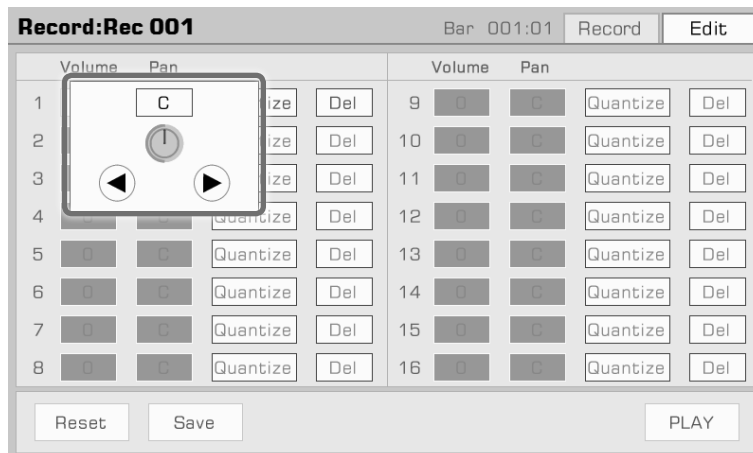
Track Volume

Set the volume of the current track. Press the volume value and adjust it by pressing the arrows or by using the [DATA DIAL] or [</>] buttons.



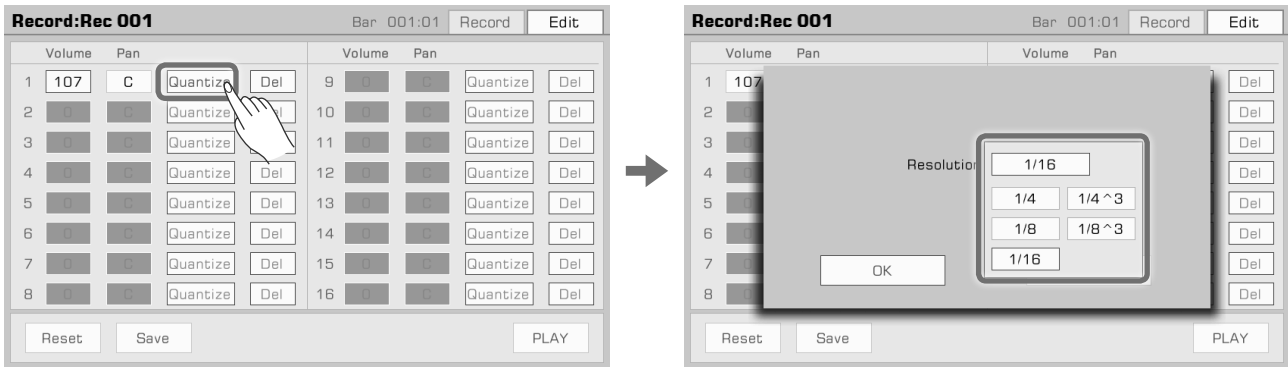
Track Pan

Set the pan position of the current track. Press on the pan value and adjust it by pressing the arrows or by using the [DATA DIAL] or [</>] buttons.



Quantize

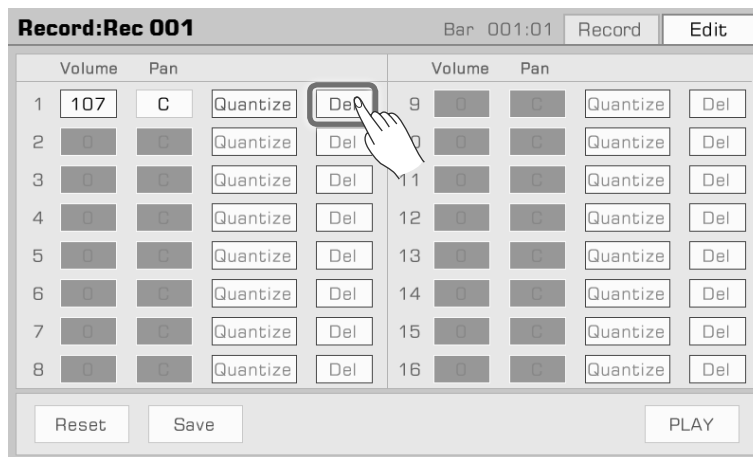
Press “Quantize” to bring up the quantization pop up. Select the quantization accuracy then press “OK” to quantize the notes in the current track.



For best results, set the accuracy to the shortest note in the currently track. For example, if the shortest note in the track is an eighth note (1/8), quantize the track to 1/8 .

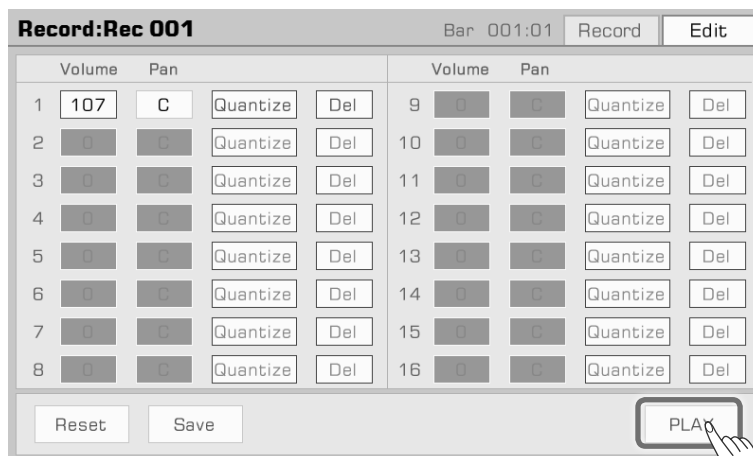
Delete

Press the “Del” button to permanently clear all the track information. You need to keep at least one track.



Listen to the Edited Song

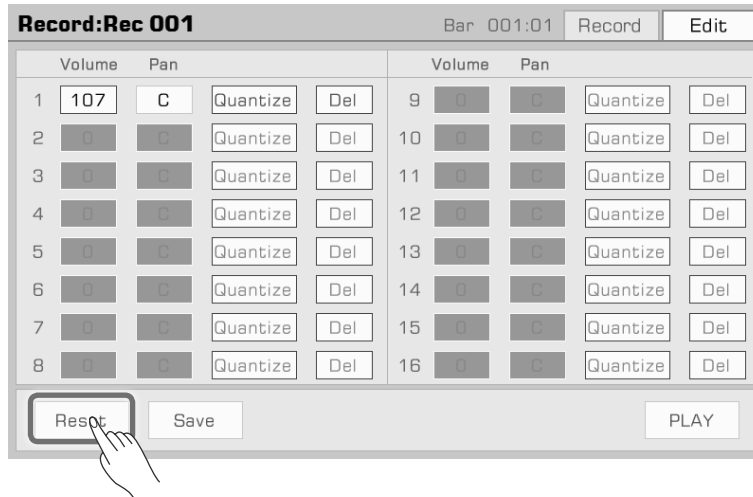
Press the “PLAY” button to listen to the song you’ve edited. Press “Stop” to stop playback.



Song and Audio

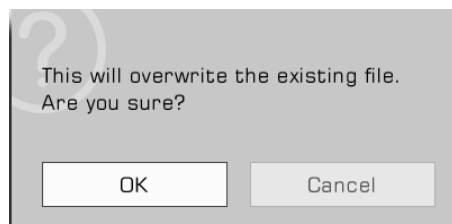
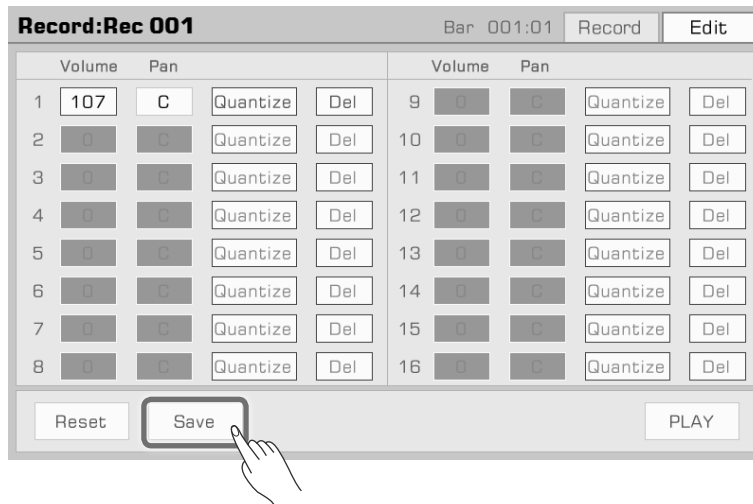
Reset the Editing

Press the “Reset” button to reset all your edits. The track parameters will be restored to their previous values.



Save Your Edits

Press the “Save” button to call up the saving popup, then press “OK” to apply your changes to the current User Song.



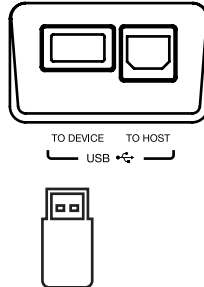
Note! If you exit the song editing menu before saving, all changes made will be lost.

Audio Recording

This instrument has real-time audio recording, allowing you to save your performance to a USB storage device in real time.

All the sounds from this instrument can be recorded as audio, including external audio sources such as Mic In and Aux In. The metronome cannot be recorded.

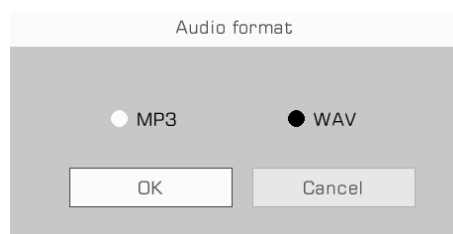
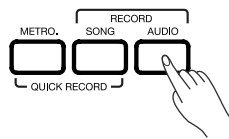
1. Connect your USB storage device via [USB TO DEVICE] jack. The audio files you record will be saved to this device. Please make sure your USB device has sufficient storage.



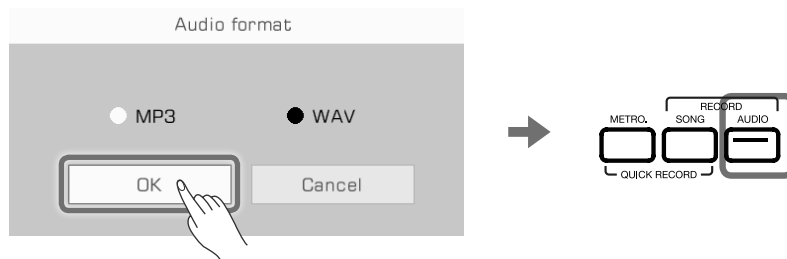
2. Press the [AUDIO] button to bring up a recording format pop up. Press to select the audio format in which to save the recording.

This instrument supports the following two formats:

- WAV(44.1Hz, 16bit, Hi-fi stereo CD quality)
- MP3(320Kpbs)



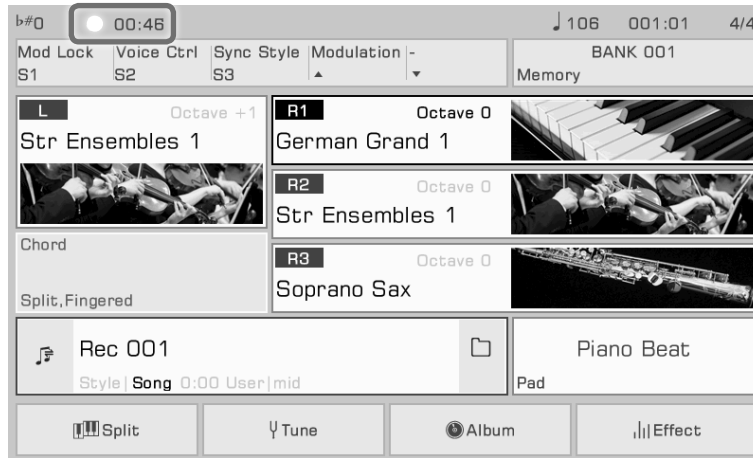
3. Press "OK" and start recording immediately. At this time, the [AUDIO] button LED will be lit. Your playing, singing or external audio will be recorded and saved to your USB storage device in real time.



Song and Audio

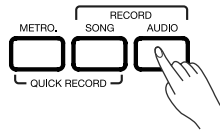
The instrument supports 90 minutes of recording. The recording time information appears at the top of the Main display.

When recording time exceeds 87 minutes, the recording time will flash to remind you. At the 90 minute mark, the recording will automatically stop and the audio file will automatically be saved. After that, you can go to the USB song tab to change the audio name.



Note! Do not disconnect the USB storage device from the instrument during recording, otherwise the file may be corrupted. Keep the instrument power on during audio recording. When you enter the Audio Recording mode during an audio file from USB device is played, the audio playback will stop automatically. Likewise, you cannot play audio files during audio recording.

- When you finish recording, press the [AUDIO] button again to stop. Use the soft keyboard to name the audio file. You can play the file or view it in the USB song tab later.

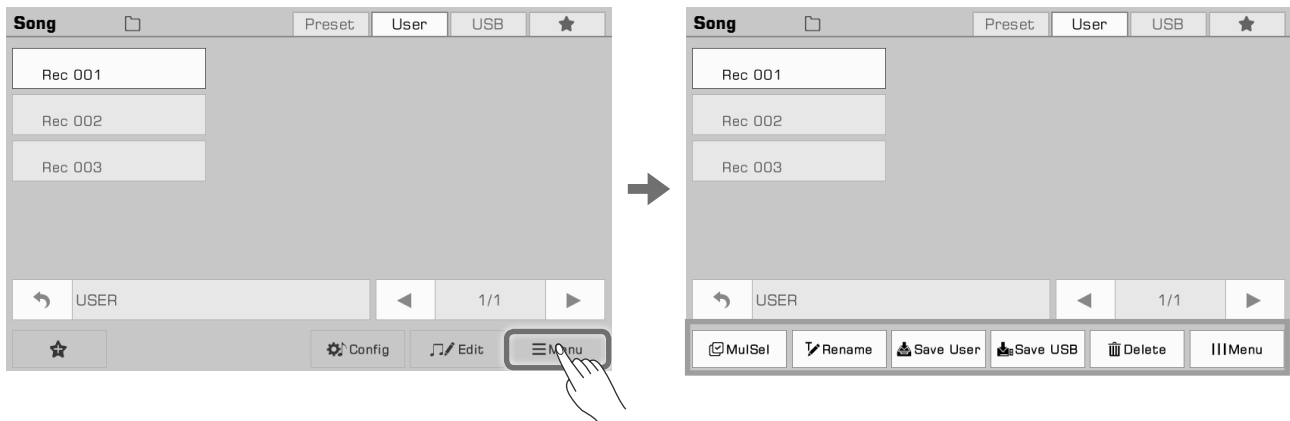


Before audio recording, make sure the USB storage device has sufficient capacity. If it runs out during recording, the recording will stop and be saved.

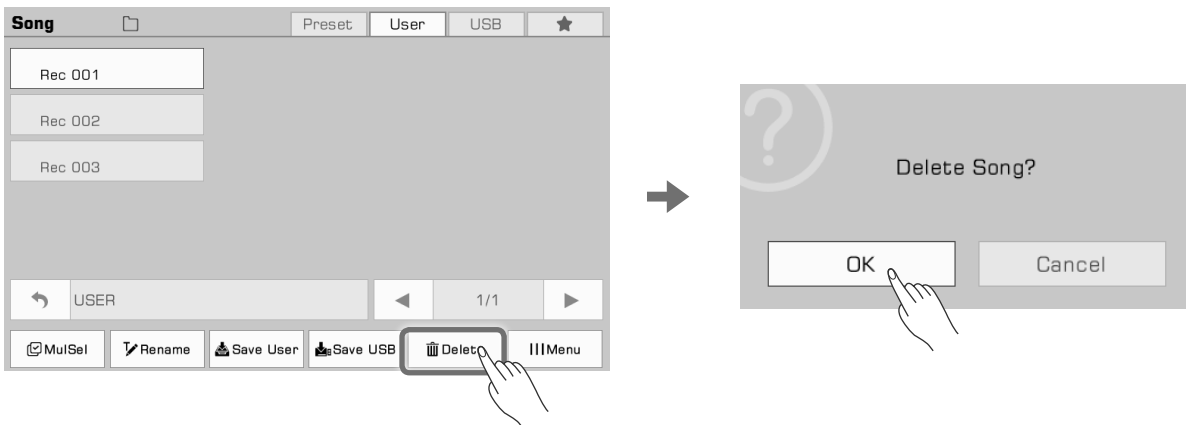
Saving, Deleting and Renaming the User Song

You can delete, rename, or save a User Song to a USB storage device in the User Song tab.

- Select a User Song in the “User” tab .
- Press the “Menu” icon at the bottom right of the menu to bring up the function list.



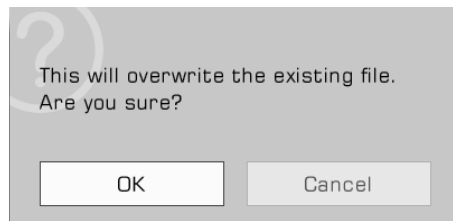
3. Press “Delete” and then confirm to delete the currently selected User Song.



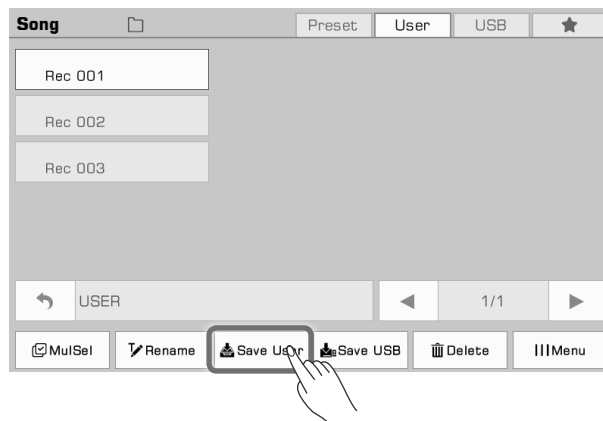
4. Press “Rename” to bring up the soft keyboard and enter a new name to rename the currently selected User Song. Press “OK” to confirm.



If the new name you entered already exists, an alert will pop up to ask you to enter another name for the currently selected User Song again.

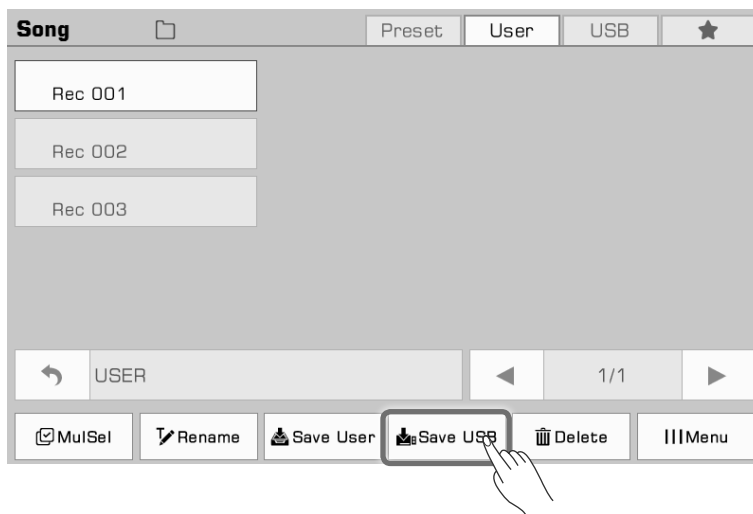


5. Press “Save User” to bring up the soft keyboard and enter a new name to save the currently selected User Song to the User list. Press “OK” to confirm.

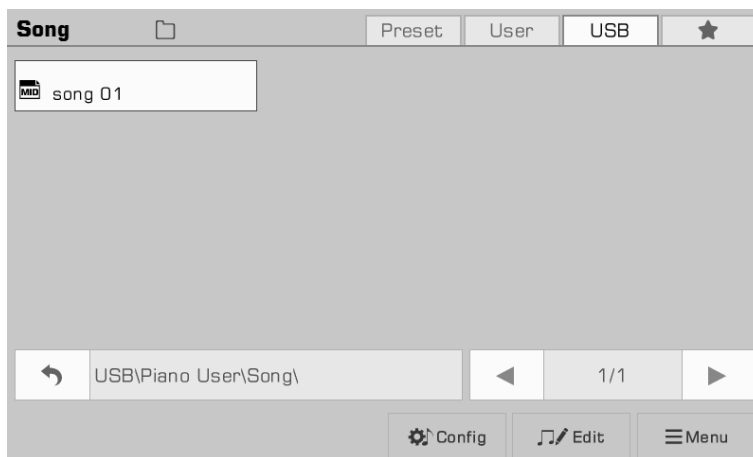


Song and Audio

6. Press “Save USB” bring up soft keyboard and enter a new name to save the currently selected User Song to a USB device. Press “OK” to confirm.



Press the “USB” tab to view the new song you just saved to the USB device.



Tips! You can add your favorite preset songs to “My Favorites”. In the same way, you can add user songs in the User tab to “My Favorites”.

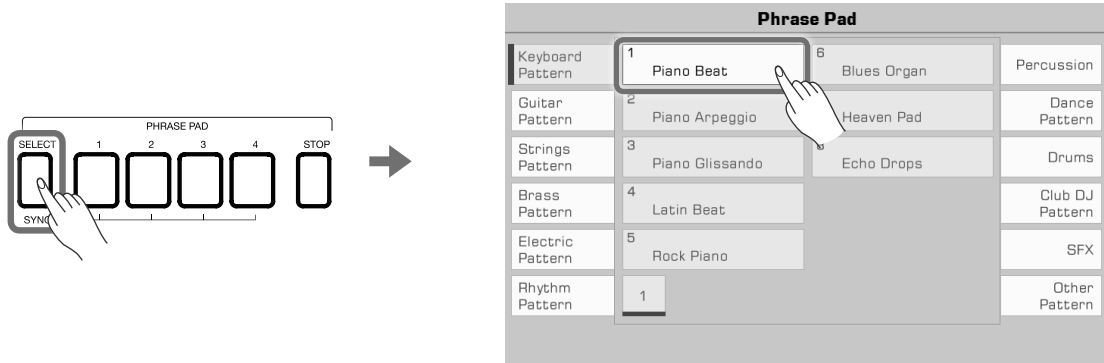
A Phrase Pad is a short rhythmic sequence or sequence of phrases. Similar types of sequences are combined to form a Phrase Pad Bank.

The instrument has more than 180 Phrase Pad Banks, each containing four sequences. These sequences vary in style and length, so experiment with them to find the sequences right for your performance.

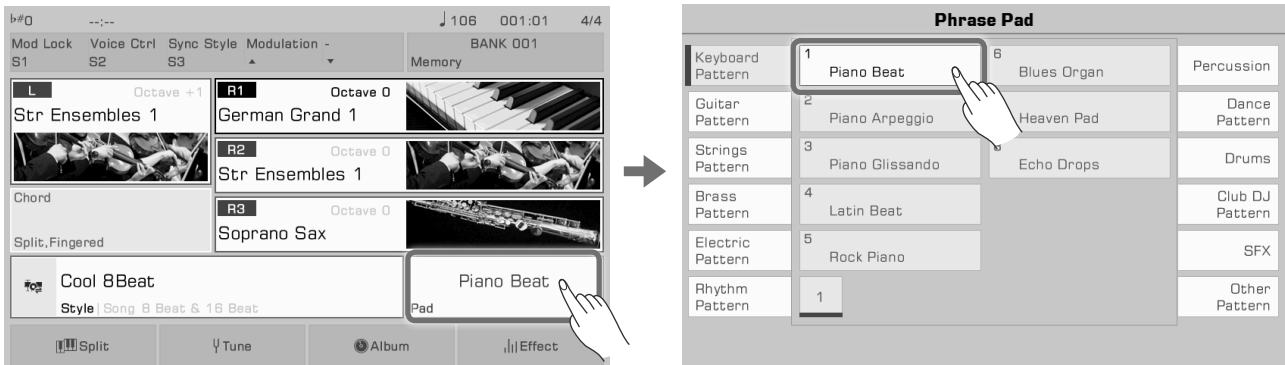
Selecting a Phrase Pad

Phrase Pad can be only used in Style Mode. There are two ways to select a Phrase Pad:

- Press the [SELECT] button to enter the Phrase Pad selection menu. Select a group to display Phrase Pads of that style or type. Press the Phrase Pad name to select it.



- Press the Phrase Pad button in the main menu to enter the group menu of that pad. Switch groups and search through pages by using the touch screen. Press the Phrase Pad name to select it.

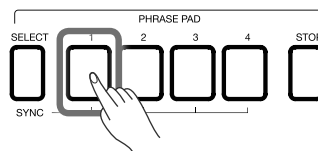


Playing a Phrase Pad

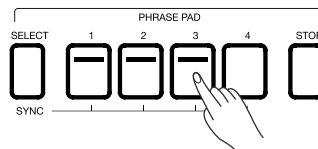
Playing One or More Phrase Pads

Press any Phrase Pad button to start playback. Now, the LED lights of the corresponding buttons will light up and the pad will play according to the current system tempo.

During playback, press the same Phrase Pad again and it will play again from the start.



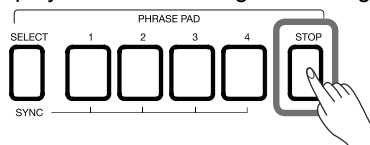
You can play several Phrase Pads at the same time. The new Phrase Pad will start immediately after pressing it.



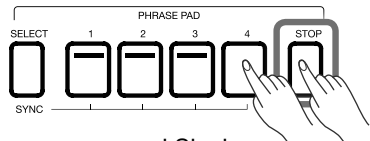
Phrase Pad

Stop Playing Phrase Pad

Press the [STOP] button to stop all Phrase Pads playback. The LED lights will all go out.



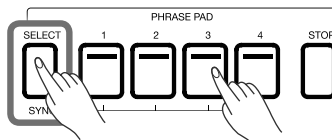
If several Phrase Pads are playing at the same time, hold [STOP] and press one of them at the same time, it will be stopped immediately. Other Phrase Pads keep playing.



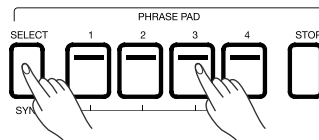
The instrument has two types sequences: Loop sequences and Single sequences. The loop sequence will loop when playing. Single sequences will stop automatically after playing one time.

Set Phrase Pad to Standby Status

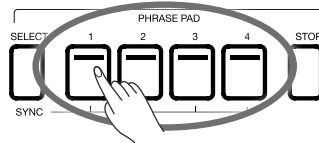
Press [SELECT] and hold it. Press one or more Phrase Pads at the same time. The corresponding Phrase Pad can be set to standby state which LED lights keep flashing.



- Now, press [SELECT] and hold it. Press one of the Phrase Pad buttons in standby state, it can be played immediately. Other Phrase Pads will remain in standby state.



- If you want to play all Phrase Pads in standby state at the same time, just press any of them.



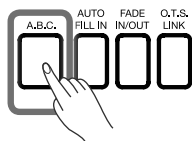
When the [A.B.C.] is off, play on the keyboard immediately will trigger the playing of all Pads.

If you need to cancel the standby state, hold [STOP] and press the Phrase Pad you want to cancel at the same time.

Playing Phrase Pad with A.B.C.

Many Phrase Pads in this instrument respond to chords. When you play different chords, the notes in the phrase sequences will change.

Press the [A.B.C.] to turn this function on. The left side of the keyboard becomes the chord range.



Choose a Phrase Pad and play different chords with your left hand in the chord area.

Playing a chord while the A.B.C. function is on will also immediately play the Phrase Pad at the same time.

Tips!	Phrase Pads can be accompanied with Style to give your performance added flexibility. When the Style is played, press the Phrase Pad to have the Phrase Pad play in sync with the Style.
--------------	--

The instrument Album feature helps you make the most of the panel settings to play songs. When you find and select a song in the Album, the instrument automatically sets the best setting for this song. You can also save your panel settings as new Album and export it to USB storage to save or share.

Selecting an Album and Playing the Keyboard

1. Press “Album” in the main menu to enter the Album Selection menu.



2. Press to select an Album. All panel settings will immediately change according to the selected Album and switch to Style mode.



Scroll up and down by pressing the arrows at the bottom right.



3. Start playing the song on the keyboard.

Add Albums to “My Favorites”

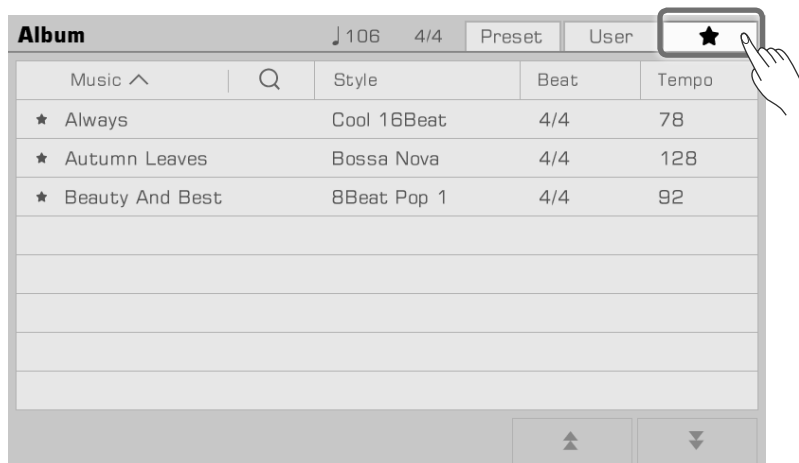
You can add the currently selected Album to “My Favorites” as follows:

1. Press the “Add to Favorites” icon at the bottom of the menu and a star will appear on the currently selected Album. Press the button again to remove it from “My Favorites”.



Album

2. Press the “My Favorites” tab at the top right to see the Album you have marked. In this menu, you can also delete favorites at any time.



Add or Delete an Album

Add a User Album

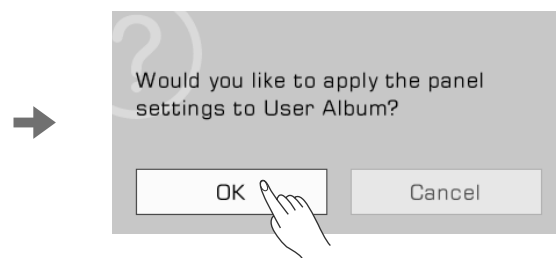
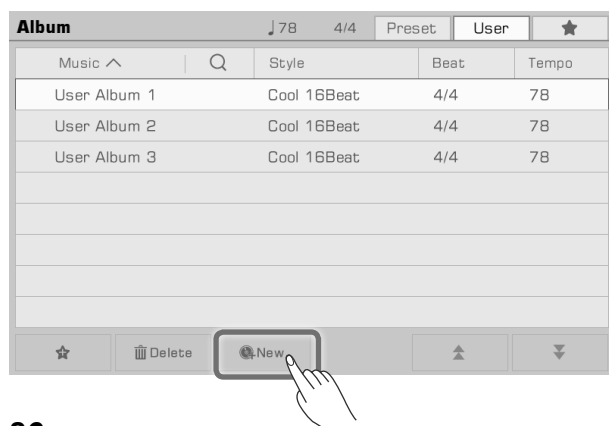
You usually need to adjust the instrument panel settings details to play various songs.

By using the Album function as follows, you can quickly add your panel settings to a User Album, rename them, and then call them up with a simple search.

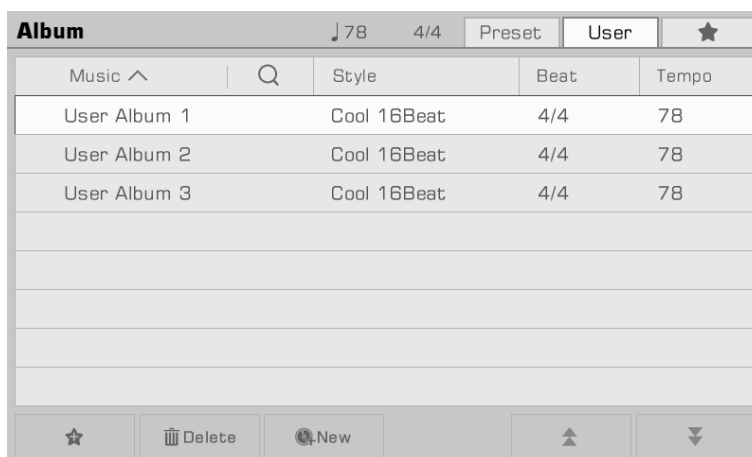
1. Press the “User” tab at the top of the menu to enter the User Album display.



2. Press the “New” icon to bring up a popup asking if you want to add the current panel settings to the User list. Press “OK” to bring up the soft keyboard and name the Album.



- The Album you just added will appear in the User list. Whenever you need to play the song with the same settings, simply select the Album.



Delete a User Album

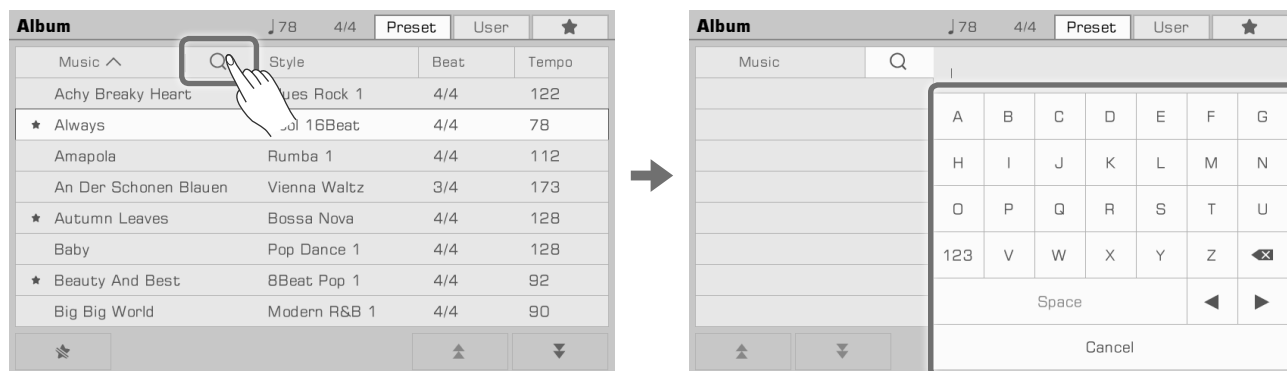
You can delete the currently selected item by clicking the “Delete” icon. Press “OK” in the pop up window and the Album will be deleted. The current panel settings will not change.



Searching For an Album

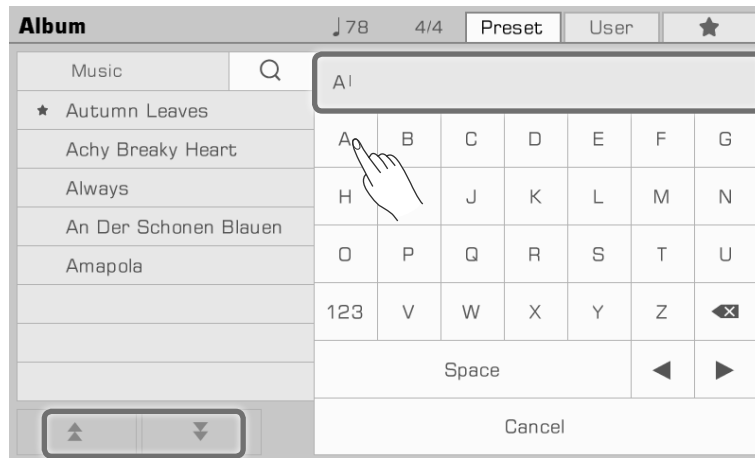
Use the search function to find an Album.

- Press the “Search” icon in the selection menu to bring up the soft keyboard.

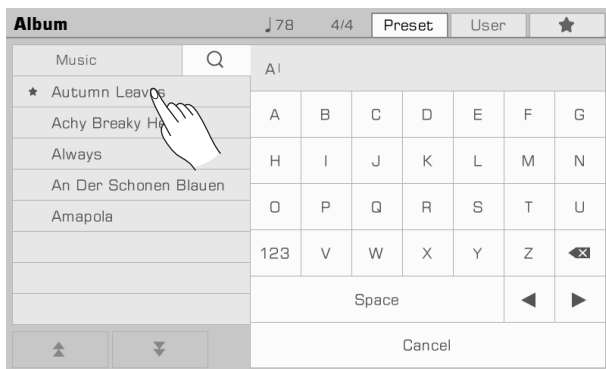


Album

2. Enter the Album name you want to search for. Search matches will appear in the column to the left. Use the up and down arrows to scroll through the list.



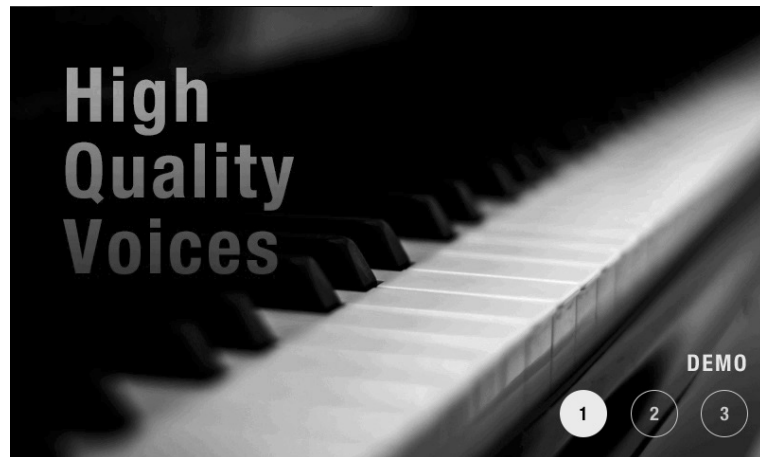
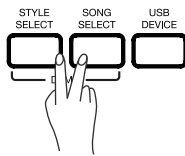
Press the name of the Album to select it.



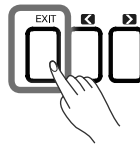
This instrument is preset with 3 Demos which give an overview of the musical properties and features/functions of the instrument.

Press the [STYLE SELECT] and [SONG SELECT] buttons at the same time to enter the Demo menu. The Demo music will begin immediately.

Press the Demo number at the bottom right of the menu or use the [DATA DIAL] or [←/→] buttons to switch between Demos.



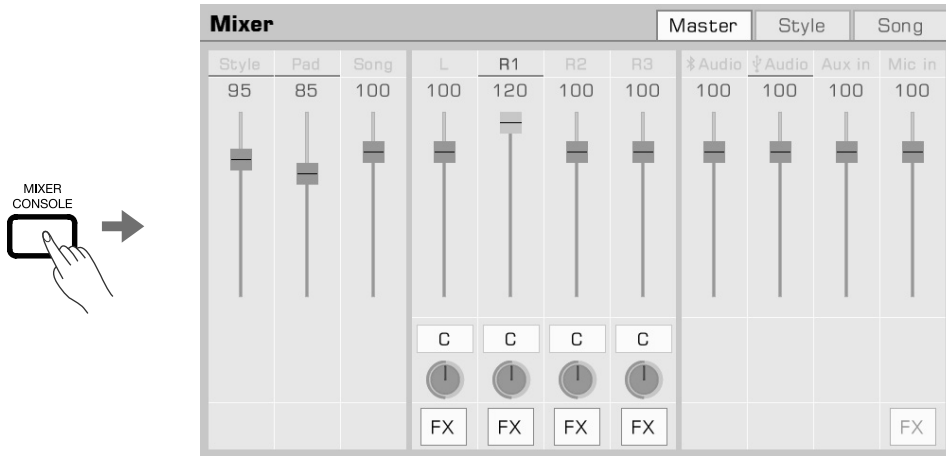
Press the [Exit] button to stop playing the Demo and return to the main menu. You can also adjust the Tempo, Start or Pause the Demo.



Mixer

This instrument has a powerful and intuitive mixer interface, allowing you to easily adjust the volume balance across all the audio channels of the entire instrument.

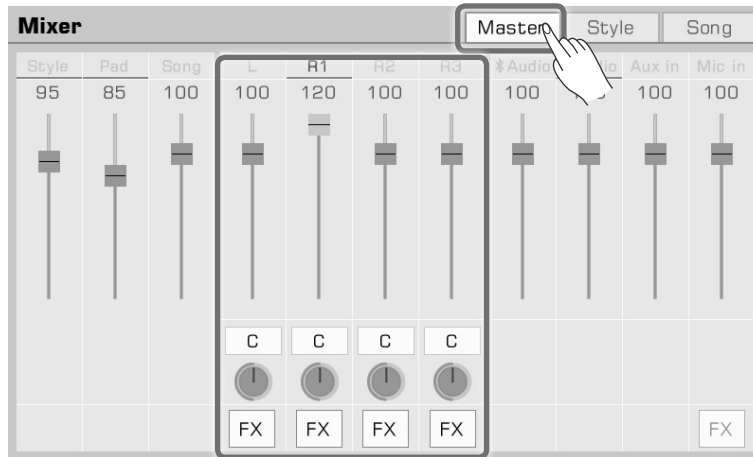
Press the [MIXER CONSOLE] button to bring up the mixing console interface.



Adjusting Volume and Pan on Keyboard Parts

Adjust the volume balance and channel pan as follows:

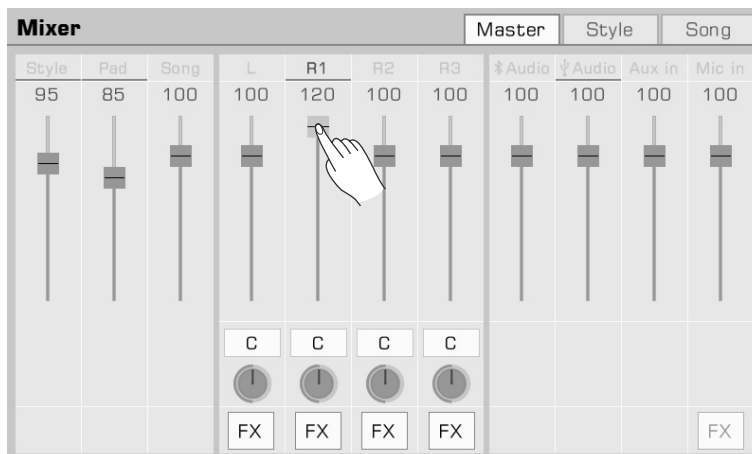
1. Press the "Master" button to enter the main control interface. From here you can adjust the volume of L, R1, R2 and R3.



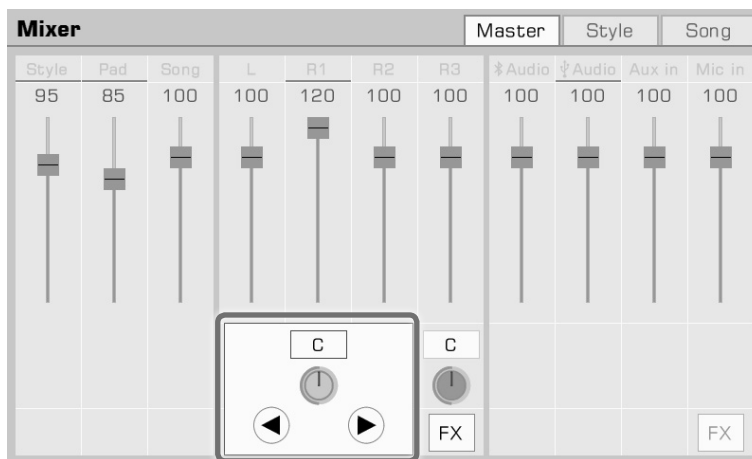
2. Make sure the Part you're adjusting is turned on.



- Press and hold a volume slider and move it up or down to adjust the volume of that part. You can also use the [DATA DIAL] or [</>] buttons to adjust the volume.



- To adjust the left/right pan of a part, press the circular knob to bring up a combo box. Adjust the pan value by pressing the arrow, using the [DATA DIAL] or [</>] buttons.

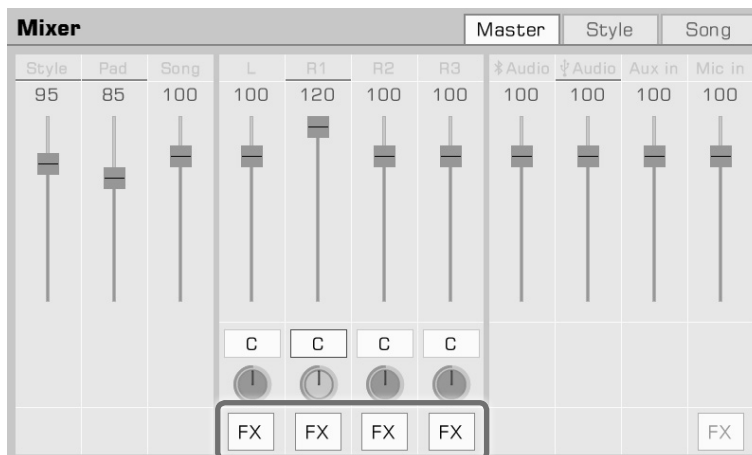


Turn ON/OFF Insert Effect (IFX)

This instrument has rich and powerful effects, including Global Effects and Insert Effects (IFX). The powerful IFX gives depth to the Voice to make your performance more dynamic.

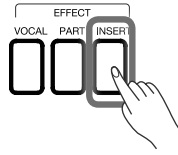
There are two ways to turn the IFX on or off:

- In the main control interface, press the “FX” button under each Part to turn the effect on or off. Green indicates the effect is on.



Mixer

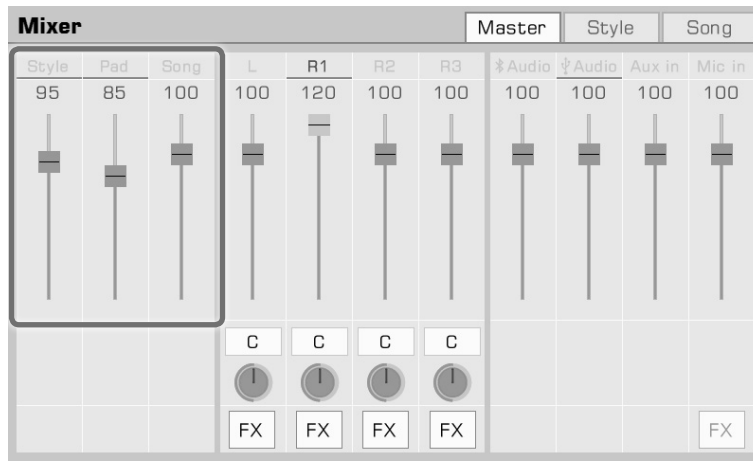
2. Press the [INSERT] button on the panel to turn the IFX on or off for the current part.



Tips! Refer to the section on IFX for more detailed information.

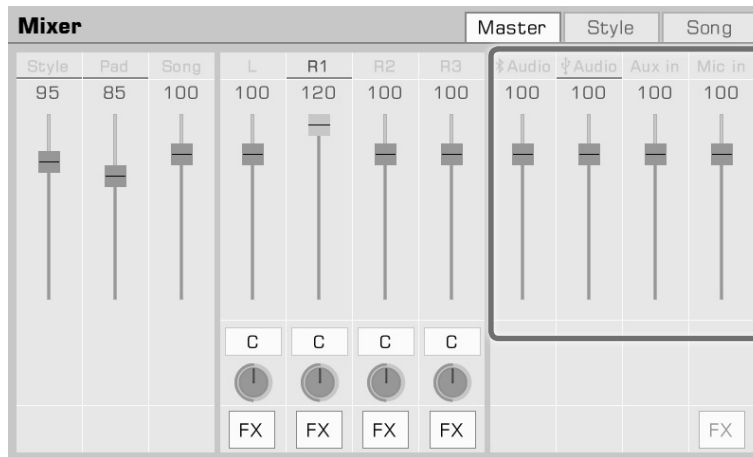
Adjusting Volume of Style, Phrase Pad and Song

Adjust the Style, Phrase Pad and Song volumes in the mixer while playing the keyboard to balance their volume with the keyboard.

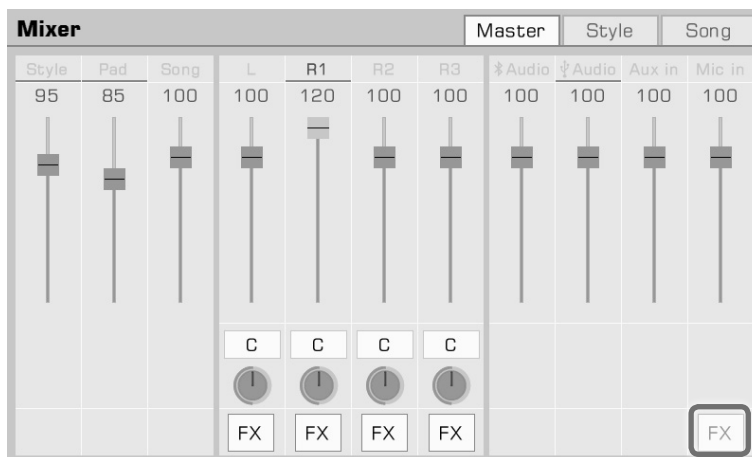


Adjusting Volume of Input/Output Audio

Adjust the Bluetooth audio, USB audio, AUX IN audio and microphone volume in the mixer.



Press the microphone “FX” to turn the microphone effect on or off.

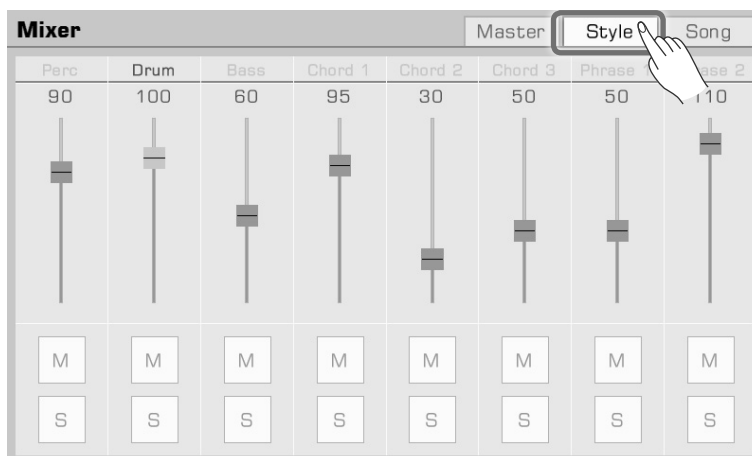


Tips! Refer to the section on microphone for more detailed information.

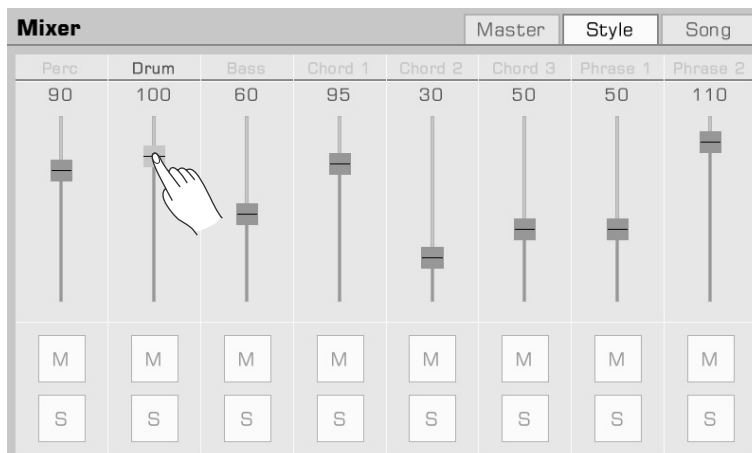
Control Channel Volume of Style

Adjust the volume balance of each Style channel as follows:

1. Press the “Style” tab to enter the control interface.



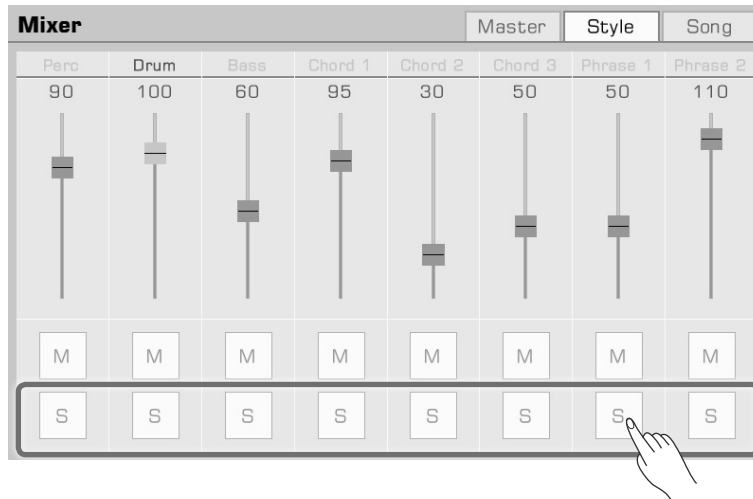
2. Use the volume faders to adjust channel volumes.



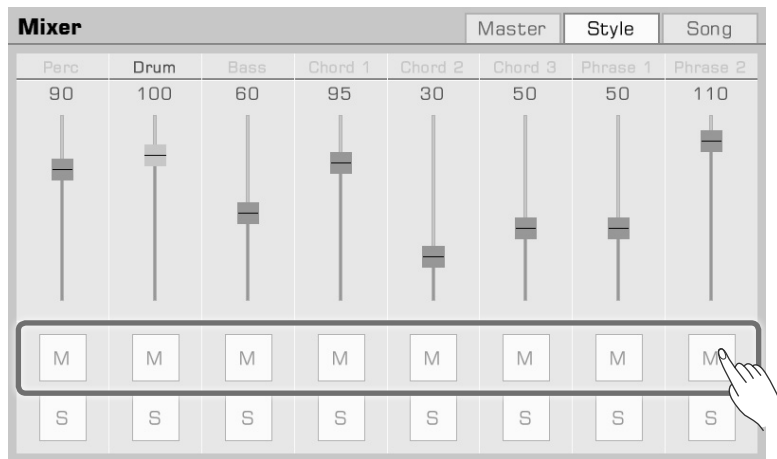
Mixer

You can also solo or mute certain channels according to your preference.

1. To hear a channel played solo, press the “S” button to turn it on. Press it again to turn it off.



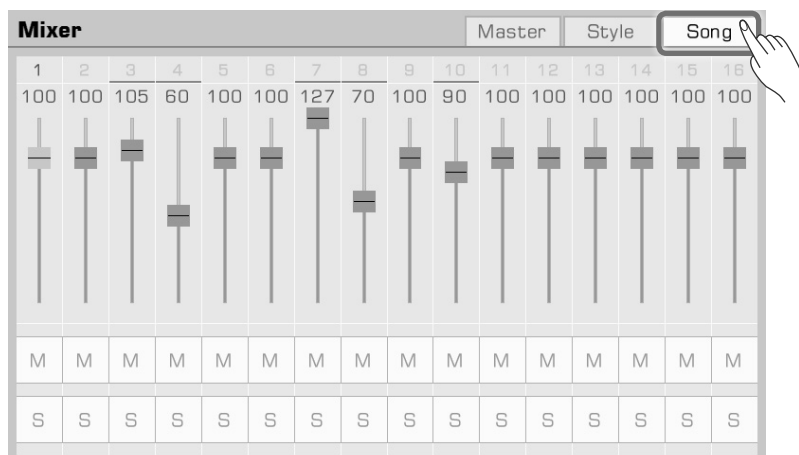
2. Press the “M” button to mute the channel. Press it again to turn it back on.



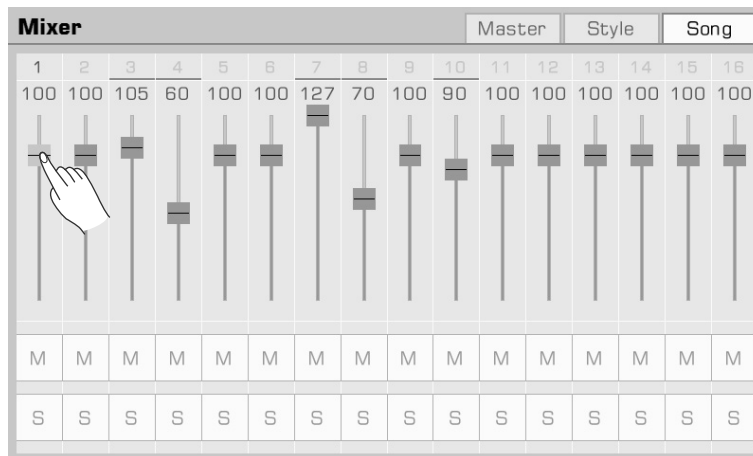
Control Song Track Volume

Adjust the volume balance between each track of Song as follows:

1. Press the “Song” tab to enter the control interface.

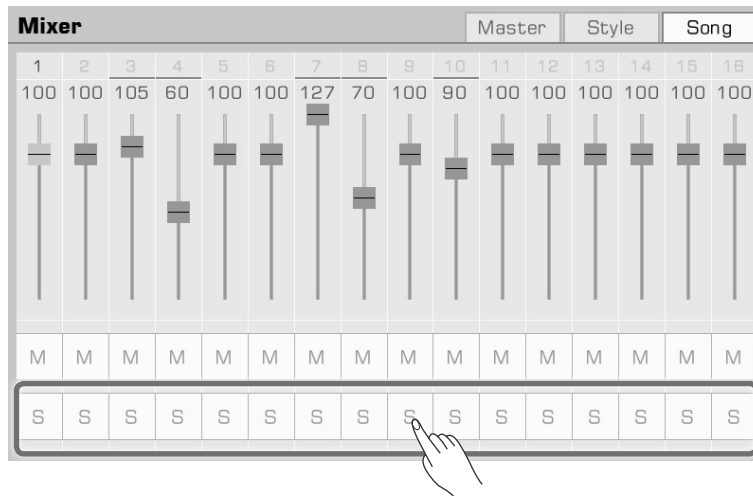


2. Use the volume faders to adjust each track's volume.

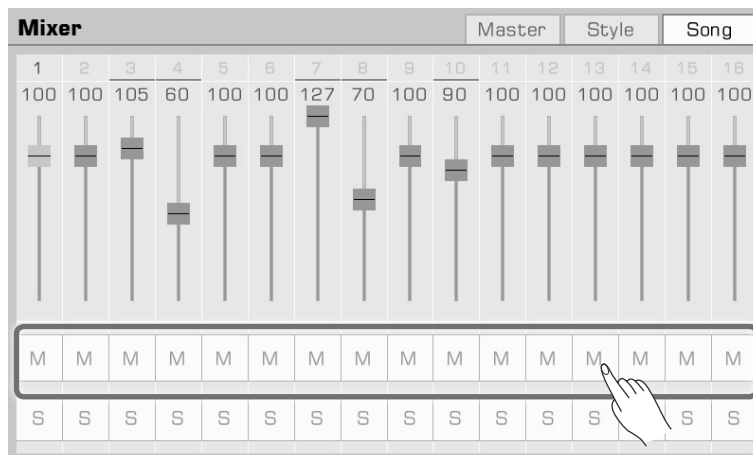


You can also solo or mute certain tracks according to your preference.

1. To hear a track played solo, press the “S” button to turn it on. Press it again to turn it off.



2. Press the “M” button to mute the track. Press it again to turn it back on.



Performance Memory

The Performance Memory feature lets you access your saved performances on the fly. Save panel settings to a Performance Memory button, then instantly recall your custom panel settings by pressing a single button (M1-M8).

The instrument has 60 Performance Memory Banks, each of them with 8 memories.

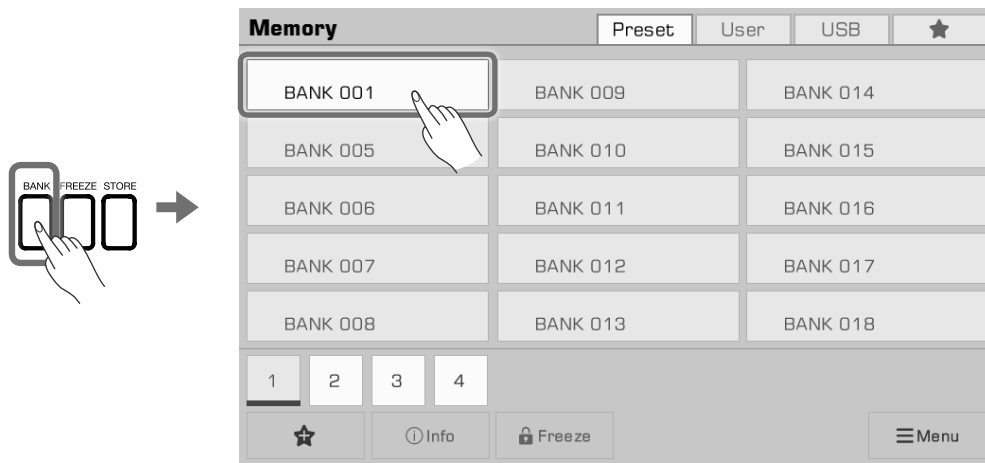
Selecting a Bank and a Performance Memory

Selecting a Performance Memory Bank

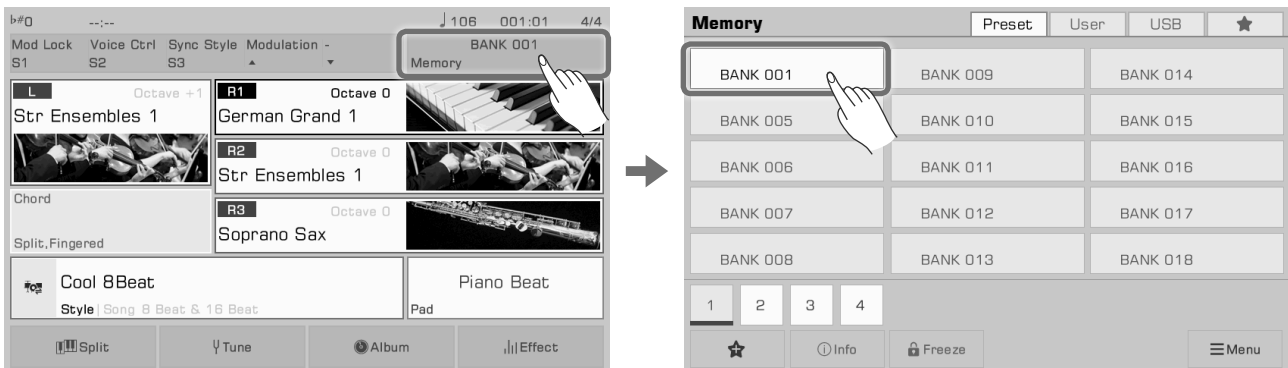
Each Performance Memory is stored in a bank. Each memory bank contains eight Performance Memories.

There are two ways to Select a Performance Memory Bank:

- Press the [BANK] button to enter the Performance Memory Bank selection menu. You can switch pages using the page buttons, then press the name to select it.

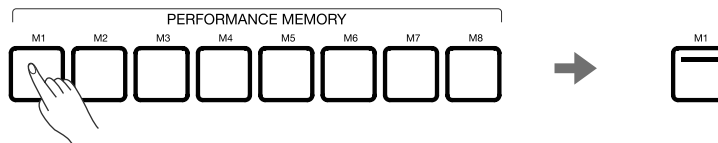


- Press the memory display area in the main menu to enter the selection menu. You can switch pages by using the page buttons, then press the name to select it.



Bring Up a Performance Memory

Press one of the Performance Memory buttons ([M1]-[M8]) to recall the panel settings stored in the memory. The LED light will light up.

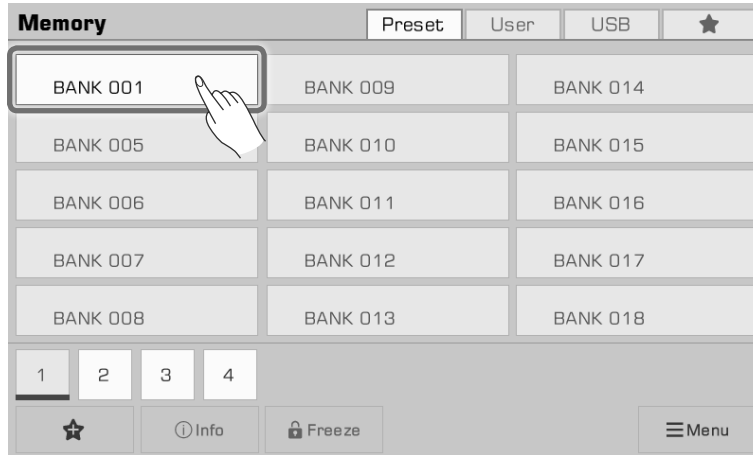


Tips! Make sure the [O.T.S.] switch is turned off before selecting a Memory.

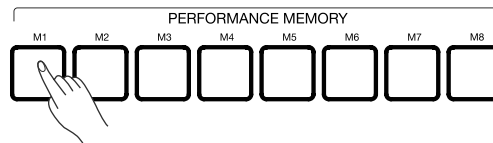
Save Settings as a Performance Memory

Save your current panel Settings as Performance Memory as follows:

1. Select a Performance Memory Bank in which to save your settings.



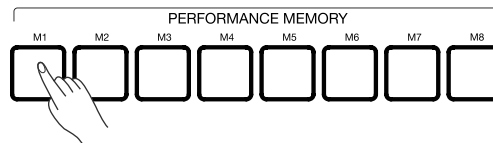
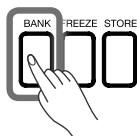
2. Press and hold the [STORE] button on the panel and press one of the [MEMORY] buttons to save the current panel settings to that Memory.



Note! After saving Performance Memory, the new setting will replace any existing setting. Please check the Memory settings before saving to avoid accidentally losing settings you want to keep.

Clear Performance Memory

Press and hold the [BANK] button on the panel and press one of the [Memory] buttons to clear the data in that Memory. The LED light will go out, indicating there is no data.



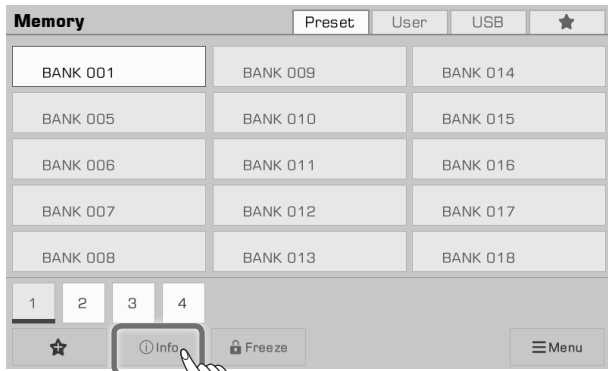
View Basic Information of Performance Memory Bank

The basic information of a Performance Memory Bank includes 8 basic settings parameters:

- R1 Voice name and part switch
- R2 Voice name and part switch
- R3 Voice name and part switch
- L Voice name and part switch
- Style name

This settings information will help you recall the currently selected memory content. Press the “Information” icon at the bottom to bring up the basic information pop up window.

Performance Memory



BANK 001					
	R1	R2	R3	L	Style
1	Sweet Alto Sax	Str Ensembl...	Soprano Sax	Str Ensembl...	Cool BBeat
2	Stereo Draw...	Power Rotar...	Soprano Sax	Str Ensembl...	Rock&Roll 1
3	Dream E.Pia...	Real Strings	Soprano Sax	Str Ensembl...	Golden Song
4	Musette 1	Str Ensembl...	Soprano Sax	Str Ensembl...	Pop Cha Cha 1
5	Dance Lead	Str Ensembl...	Soprano Sax	Str Ensembl...	Disco 1
6	German Grand 1	Real Strings	Soprano Sax	Str Ensembl...	New Soul
7	Sweet Mt Trump	Sweet Trombone	Soprano Sax	Str Ensembl...	Md Big Band 1
8	Classic Str...	Live Vibrap...	Soprano Sax	Str Ensembl...	Italian Maz...

Press "OK" to confirm and close the window.

Add the Bank to "My Favorites"

Add a selected bank to "My Favorites" as follows:

1. Press the "Add to Favorites" icon. A star will appear on the selected bank. Press it again to remove the bank from "My Favorites".



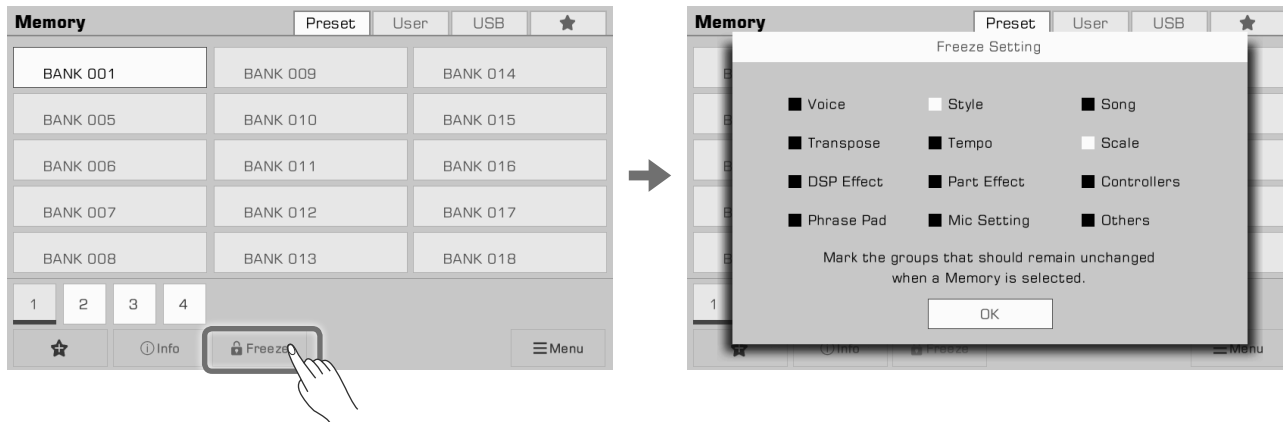
2. Press the "My Favorites" tab to view the favorite bank you marked. You can also remove one or more of your favorite Memory Banks from this menu at any time.



Freezing the Settings

Depending on your performance, you may want to keep special settings. Use the settings freeze to retain the locked items of the current setting when you switch to another memory.

1. In the selection menu, press the “Freeze” icon to bring up a pop up window, then press to select which items to lock. Press “OK” to confirm and save the settings.



2. Press the [FREEZE] button on the panel to turn on the freeze function. When you switch to another memory, the frozen settings will remain the same as the previous memory.



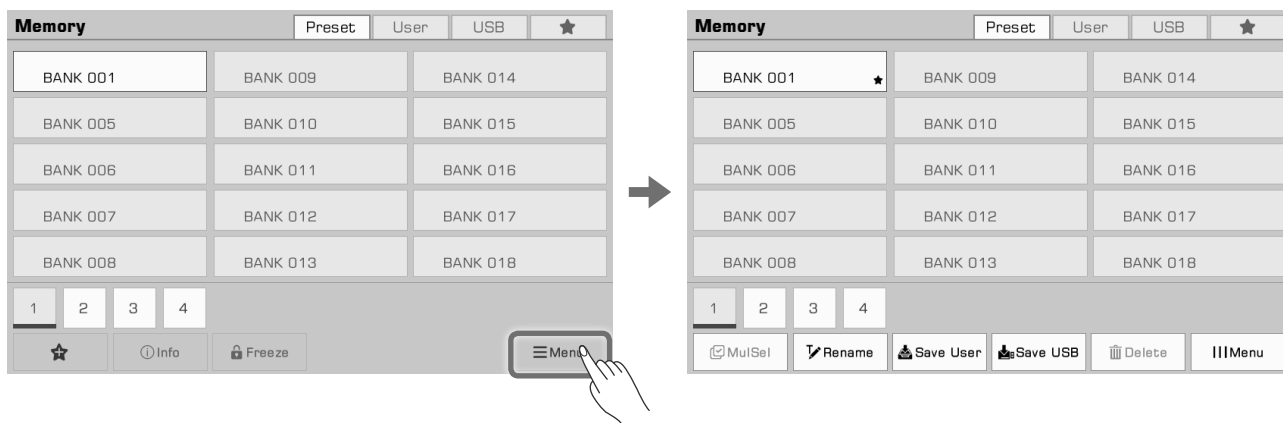
Press the [FREEZE] button again to turn the freeze function off.

Saving, Deleting, and Renaming a Performance Memory Bank

You can rename the selected memory bank, save it to User or USB device or doing other operations.

You can delete the selected memory bank in User tab or USB device.

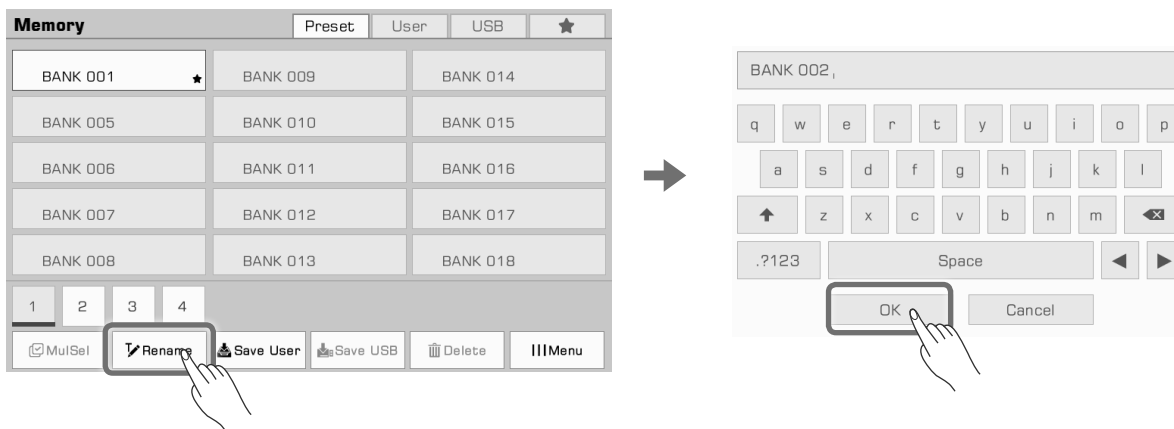
1. Press the “Menu” button on the lower right to bring up a combo box.



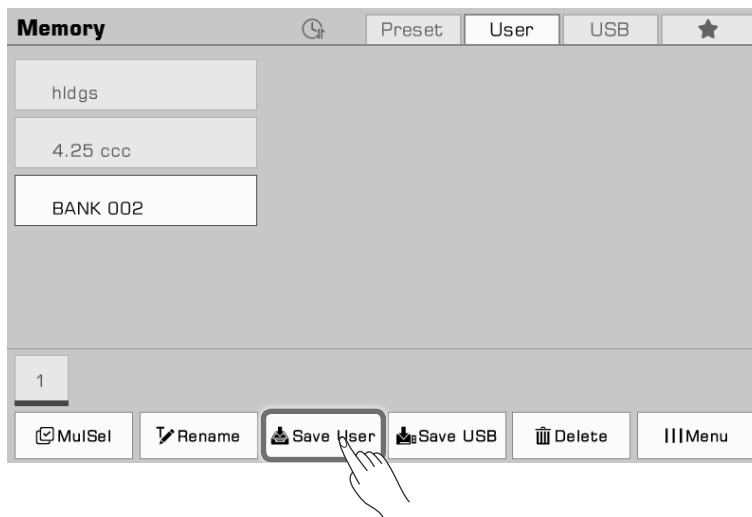
2. Press the “Rename” icon to bring up a soft keyboard. Enter a new name and press “OK” to save the new memory bank to the Preset tab.

Performance Memory

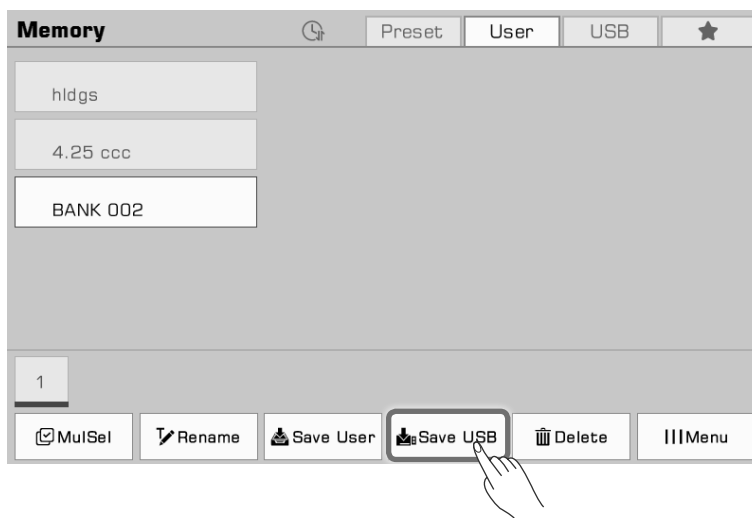
Rename all the Banks in this instrument to facilitate their accessibility.



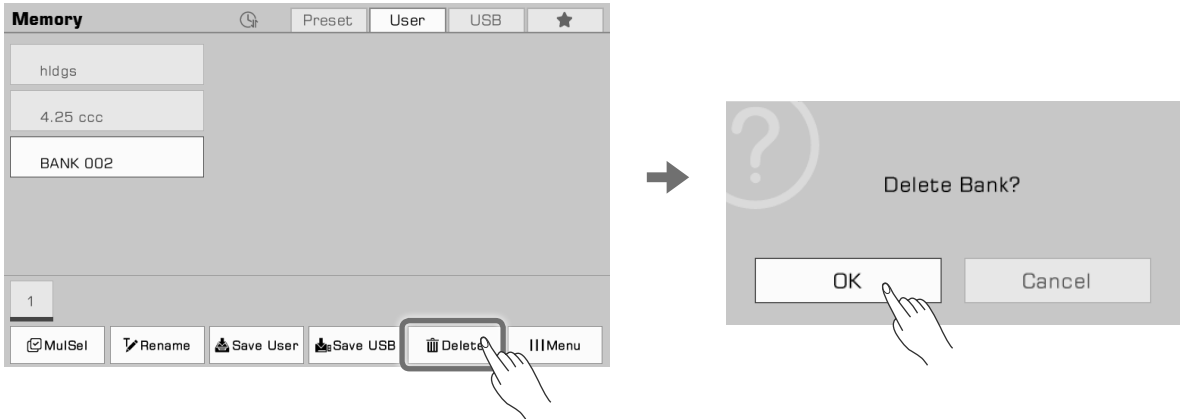
3. Press the "Save User" icon to bring up a soft keyboard. Enter a new name and press "OK" to save the new memory bank to the User tab.



4. Press the "Save USB" icon to bring up a soft keyboard. Enter a new name and press "OK" to save the new memory bank to a USB device.



5. Press the “Delete” icon to bring up a pop up and press “OK” to delete the memory bank.



Tips! The preset memory banks cannot be deleted. You can use the clear function to clear them, and the empty memory banks will always remain in the preset directory.

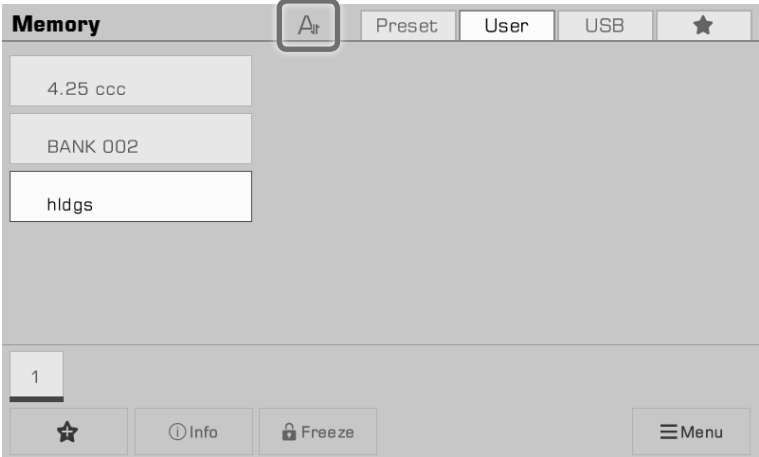
Sorting User Performance Memory Banks

Press the “sort” icon on the top right to begin sorting the Banks. This will help you find the memory bank you need to play more quickly. There are two ways to sort:

- Sort in order according to when they were saved.



- Sort by alphabetically by first letters (A to Z).

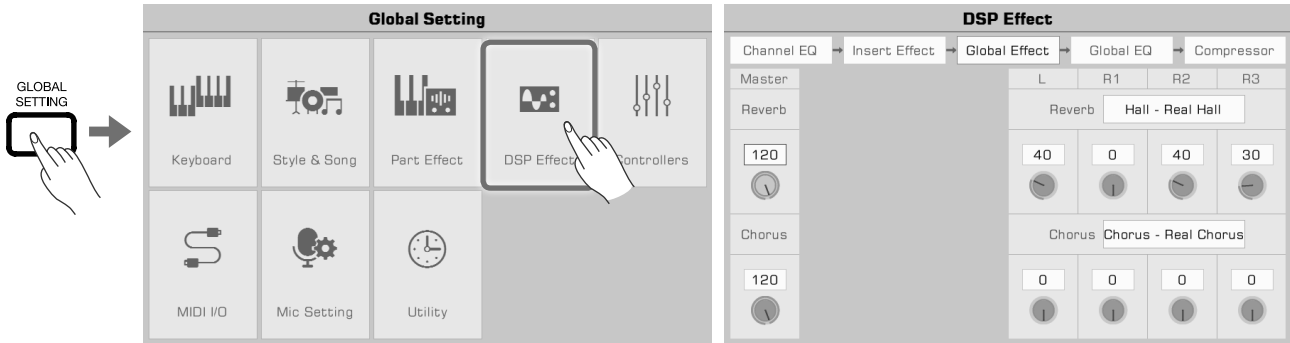


Press the “sort” icon to switch between sorting modes.

DSP Effects

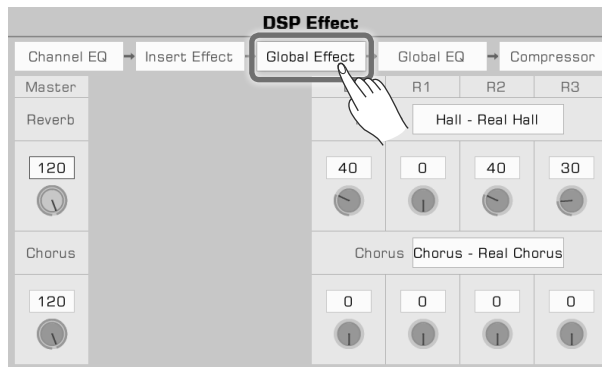
This instrument has powerful DSP effects divided into several module categories which will greatly enrich the acoustics of the instrument and your playing.

Press the [GLOBAL SETTING] button on the panel to bring up the selection menu. Press the “DSP Effect” button to enter the effects menu.



Global Effect

Press “Global Effect” to bring up the settings menu.



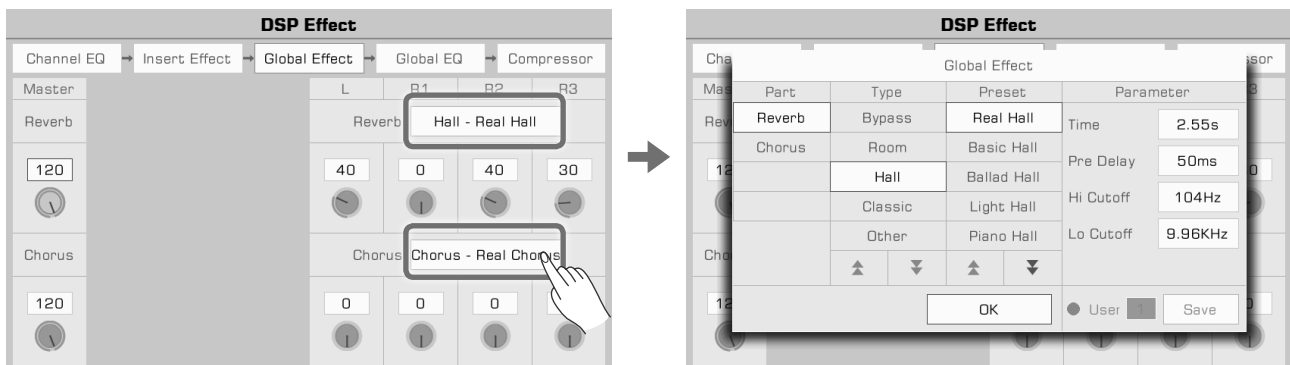
The global effect is applied to every sound produced by the instrument (except for external audio input). This instrument has two global effects: Reverb and Chorus. They may be applied simultaneously.

Reverb	Reverb simulates a spacial atmosphere.
Chorus	Chorus simulates a duet track to widen the sound.

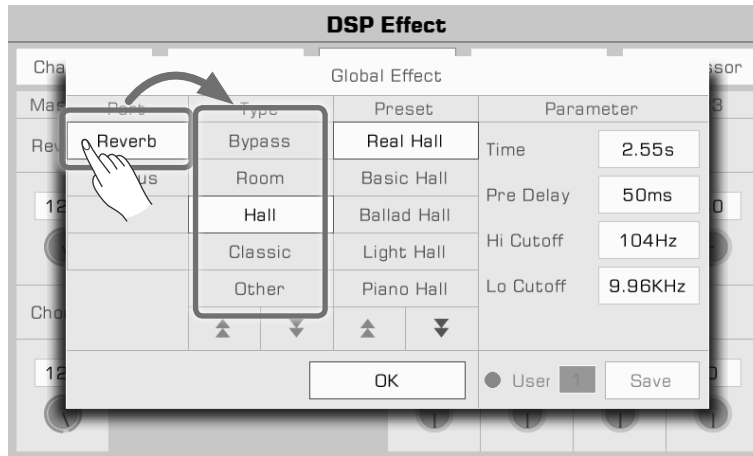
In the Global Effects module, you can select Reverb or Chorus and adjust the level of each effect. You can also adjust the Reverb or Chorus level of the individual keyboard parts.

Selecting Global Effect

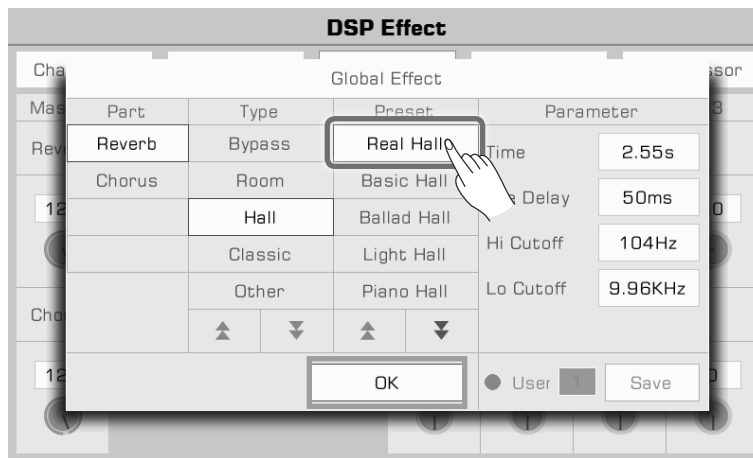
1. Press the effect “Type name” to bring up the global effect pop up window.



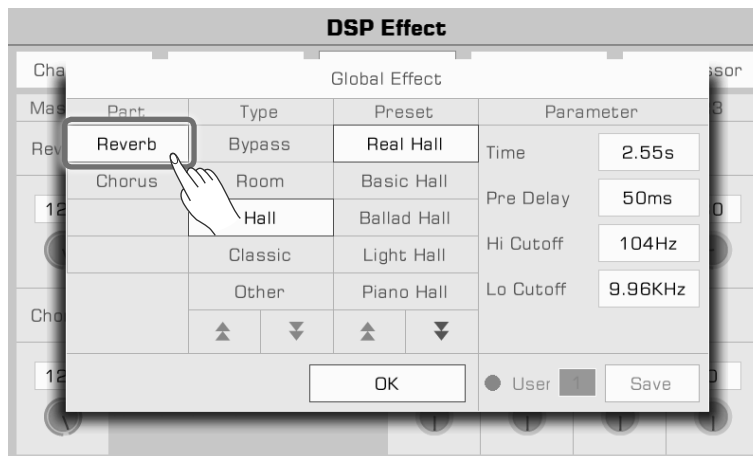
2. Select an effect from the effect preset list. There are many preset effects for each type of effect. Press the arrows to scroll through the effects types and presets.



3. Press to select the effect from the list and the effect will be applied immediately. Press "OK" to close the pop up menu.



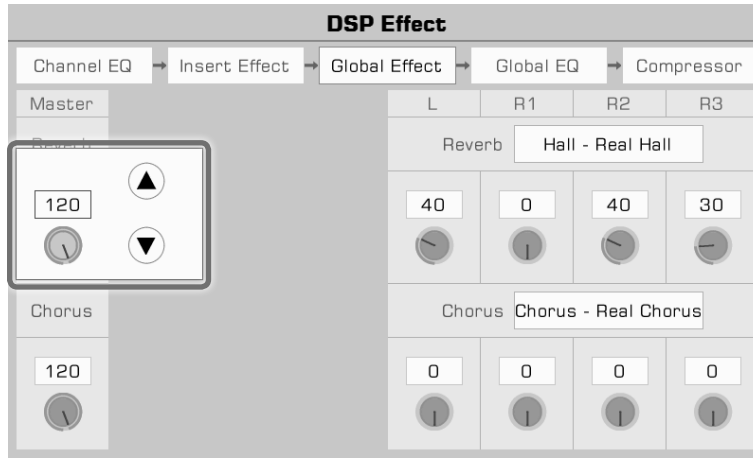
4. In the Global Effect selection pop up, press "Reverb" or "Chorus" on the left to select to modify the Reverb or Chorus.



DSP Effects

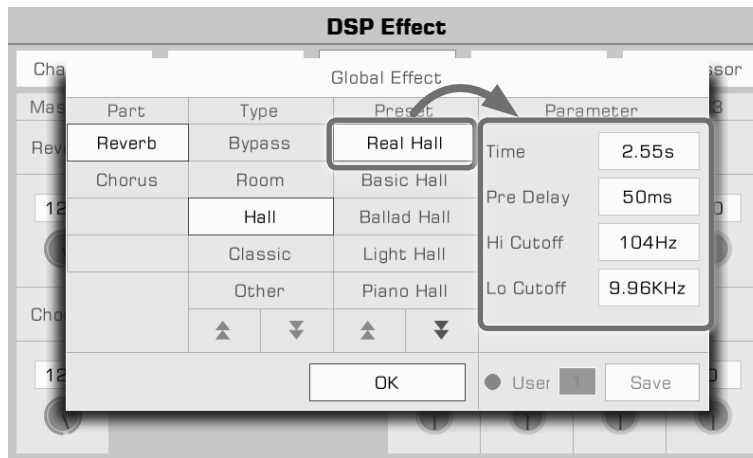
Adjusting Effect Level

In the Global Effect settings menu, press the level number and adjust the global Reverb and Chorus levels, and the Reverb and Chorus levels of the keyboard parts. Use the up and down arrows on the touch screen, the [DATA DIAL] or [</>] buttons.



Adjusting Parameter Values

The different parameters and values of the different Global Effects are displayed on the right. To fine-tune an effect parameter, press the value to modify it.

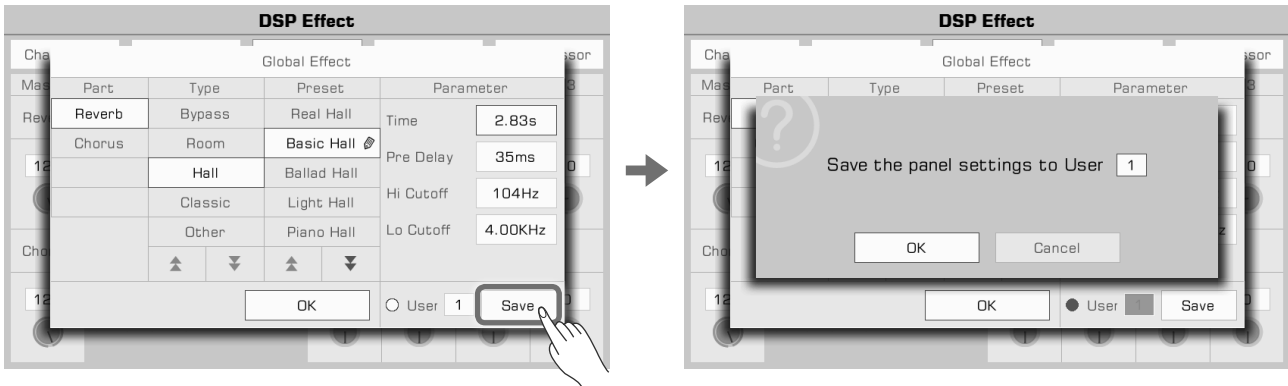


Note! If you do not save your changes as a User Effect, your changes will be lost when you switch to another effect.

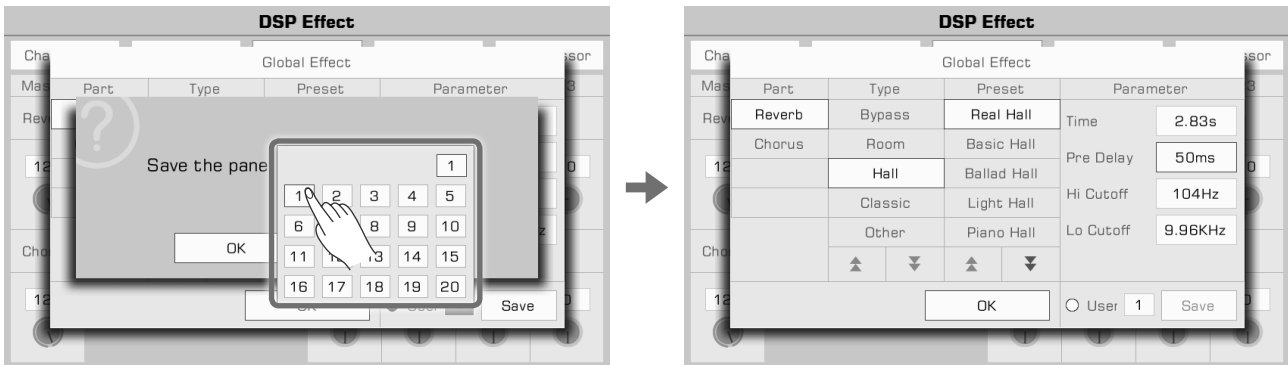
Saving and Selecting User Global Effect

After you adjust an effect, you can save the modification as a User Effect.

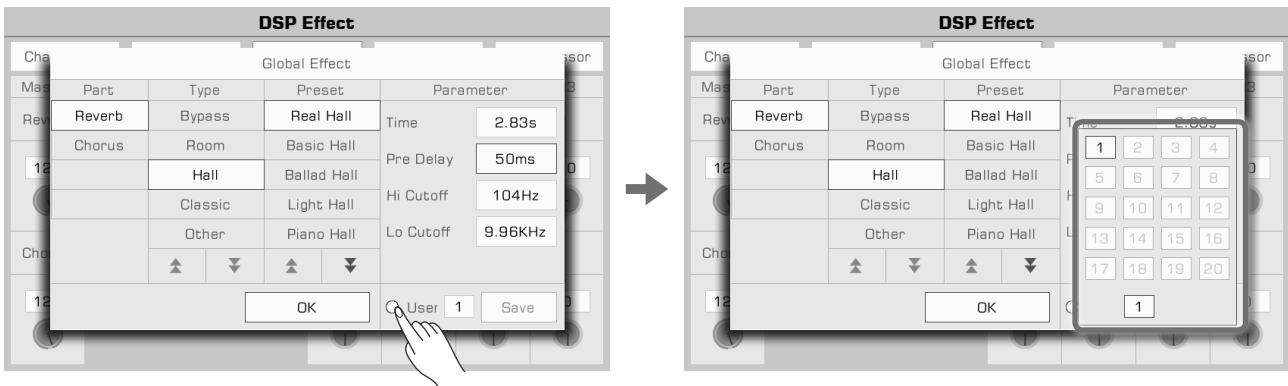
1. After adjusting the parameters, press “Save” and select a location to save the User Effect.



2. Press the User Effect number to select the location you want your effect to be saved. Press “OK” to return to the Global Effects selection menu.



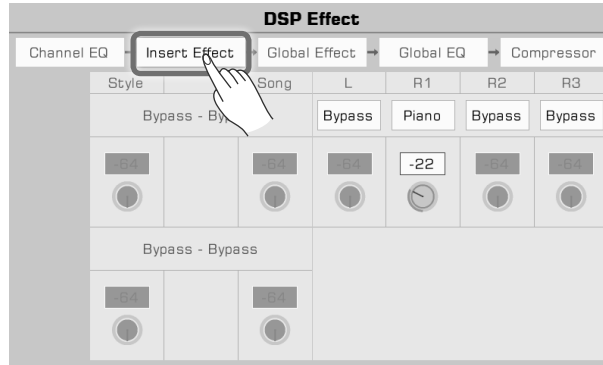
To apply the User Global Effect, press the User Effect option on and select an effect.



DSP Effects

Insert Effect

Press "Insert Effect" to bring up the settings menu.

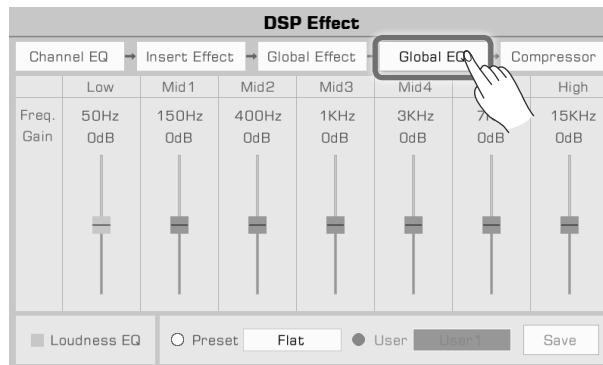


Insert Effect only applies to specific parts. Select an Insert Effect for each keyboard part and view the current effect used by a Style or Song.

Tips! The Insert Effect settings are similar to those of Global Effect. Please refer to the section "Global Effects" for more detailed information.

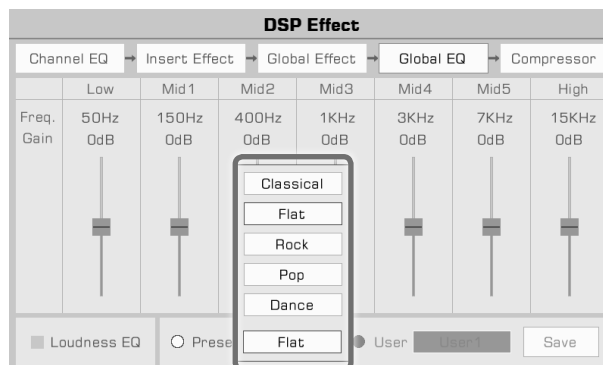
Global EQ

Global EQ is applied to the whole instrument. Use the EQ to adjust the tonal quality of the overall sound. Press "Global EQ" to bring up the equalization setting menu.



Selecting Global EQ

There are 5 different EQ presets. Press the current name type to bring up the EQ list. Press the type, use the [DATA DIAL] or [</>] buttons to select the Global EQ type.

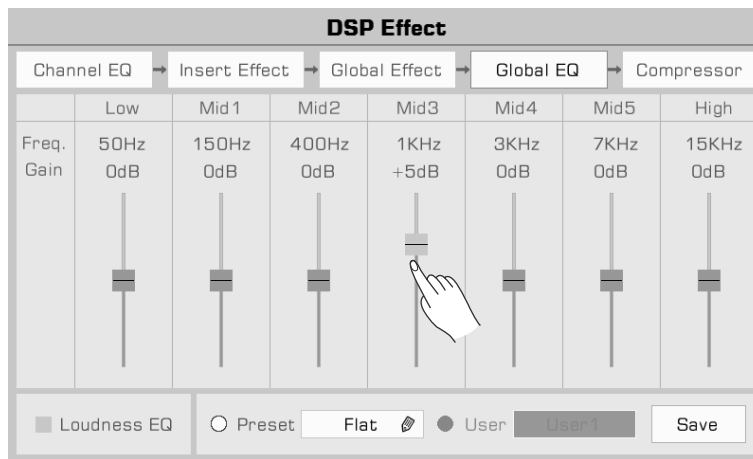


Adjusting EQ Parameters

You can adjust the EQ of 7 fixed frequencies.

Low	50Hz
Mid 1	150Hz
Mid 2	400Hz
Mid 3	1KHz
Mid 4	3KHz
Mid 5	7KHz
High	15KHz

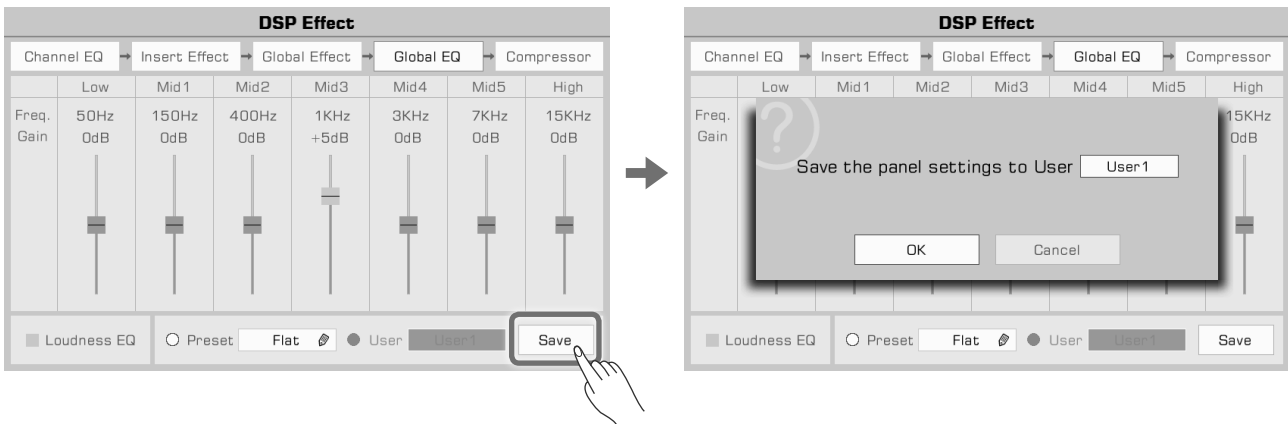
Different equalization presets have different parameters. Use the frequency fader to adjust the value up or down.



Saving and Selecting User EQ

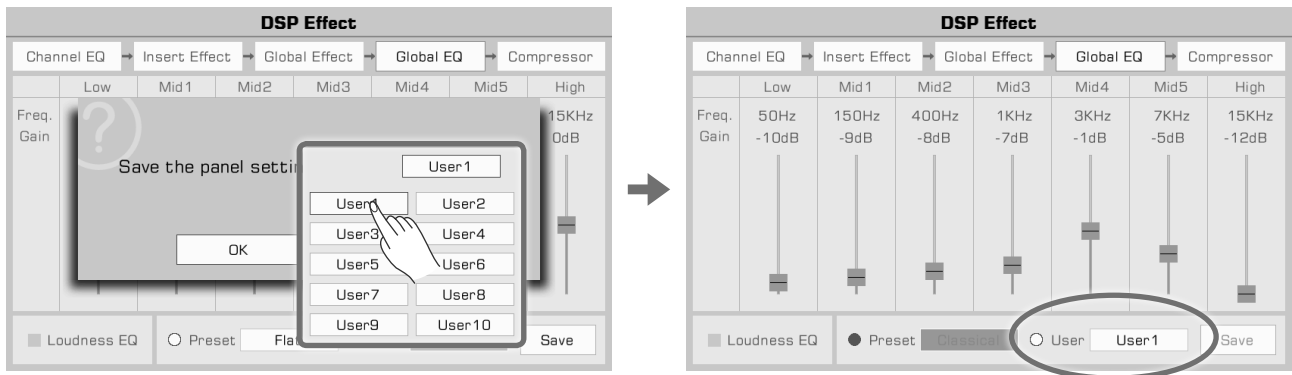
If you made adjustments in global equalization, you can save it as your own User EQ.

1. After modifying the parameters, press "Save" and select a location to save this User EQ.

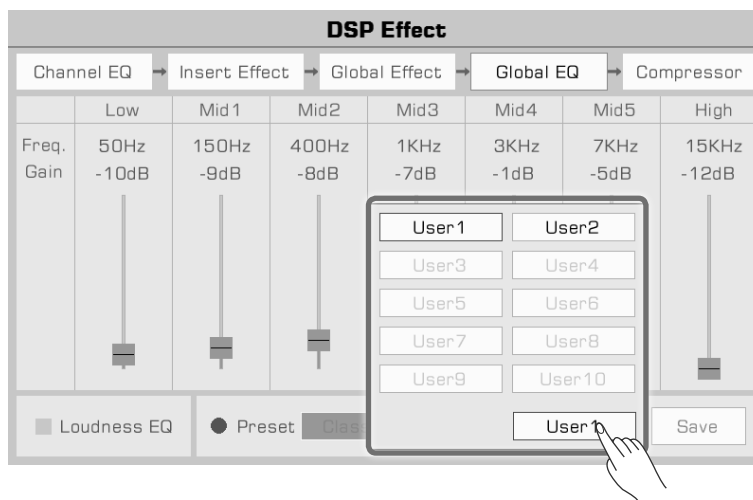


DSP Effects

2. Press a number to select the save location, then press “OK” to return to the Global EQ menu.



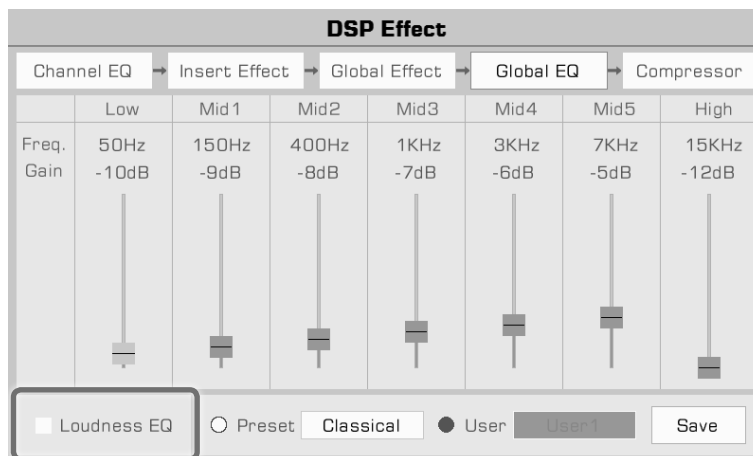
To apply the User EQ, turn the User EQ option on and select an EQ.



Loudness EQ

This instrument has a loudness balance function. For some music types, it can be used to emphasize low or high frequencies at low or high volumes.

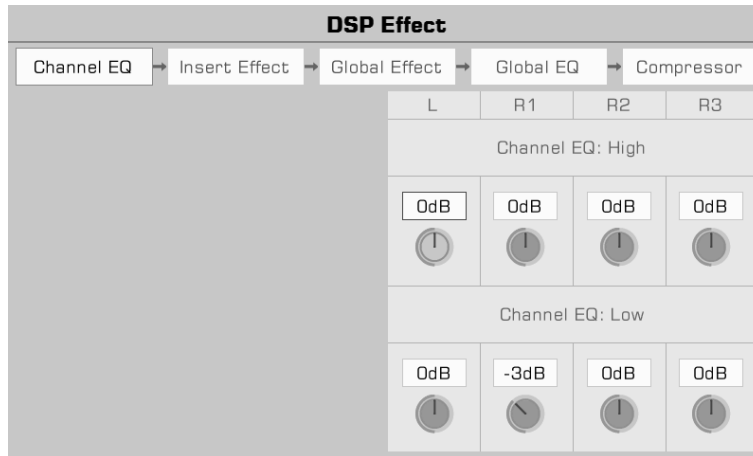
Press “Loudness EQ” to turn this function on or off.



Channel EQ

Channel equalization is an effect applied to keyboard, meant to change the keyboard voice.

Press "Channel EQ" to bring up the channel equalization settings menu. Press the value to adjust the high or low gain of the Keyboard parts.

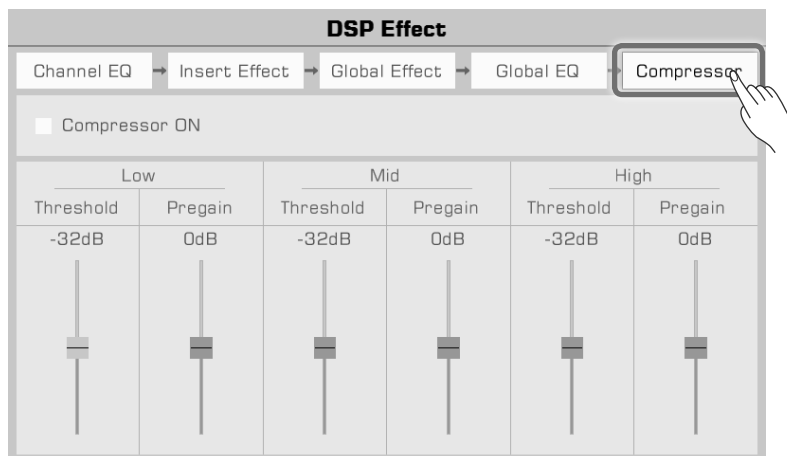


Global Compressor

The Global compressor is a practical effect for the entire instrument. If the output volume is too high, the compressor can restrain the volume within an appropriate range. It also serves to level out the dynamics of music, boosting the parts with lower volume and capping the parts that are too loud.

The segment compressor helps balance every frequency range and make the overall tone sound close to CD quality.

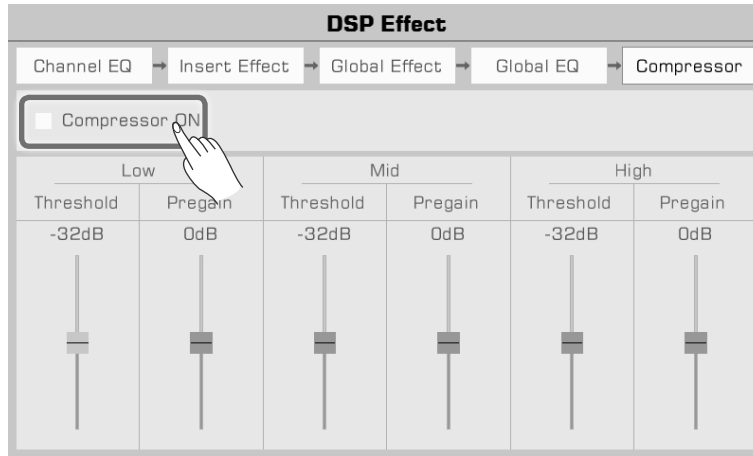
Press "Compressor" to bring up the compression settings menu.



DSP Effects

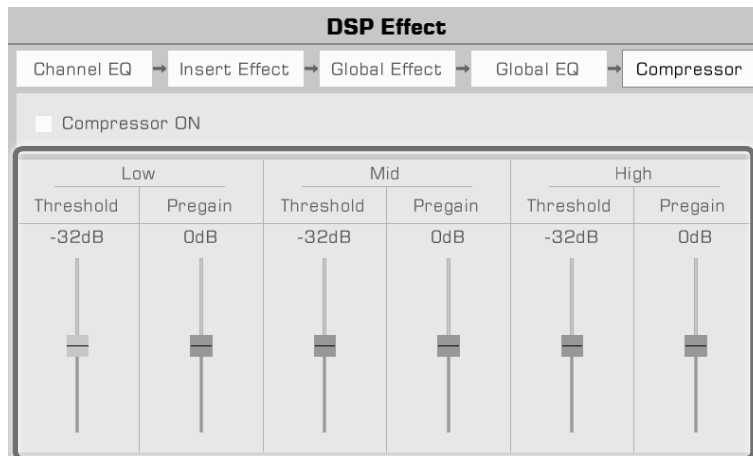
Turn ON/OFF Compressor

Press "Compressor" switch to turn the Compressor on/off.



Adjusting Compressor Parameter

Adjust the threshold and pregain levels of the low, medium, and high frequency ranges. The threshold sets the input volume at which the compressor starts to work. The pregain sets the gain of the input signal before entering the compressor.



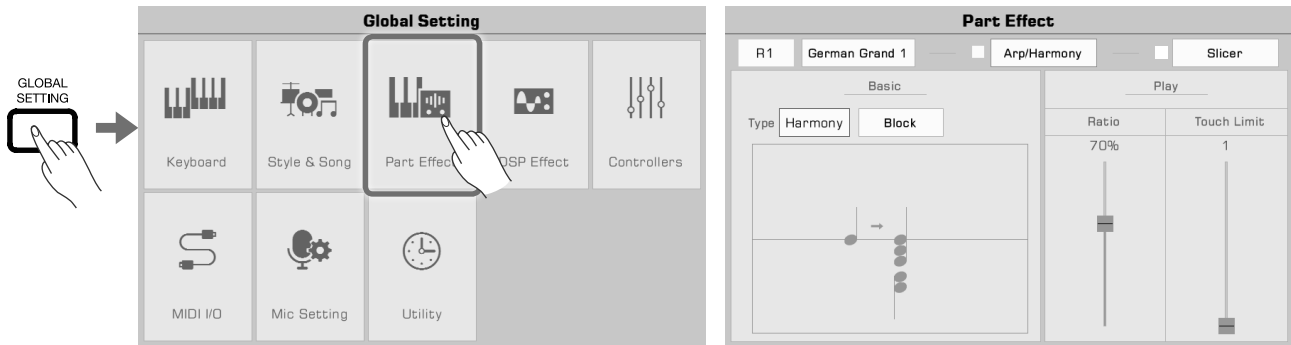
Tips! When adjusting the DSP effects parameters, press the [<] and [>] buttons at the same time to reset the parameters being edited.

Keyboard Part Effects

This instrument has a powerful effects for the keyboard parts. Try adding these effects to your performance for some creative inspiration.

There are three kinds of effects: Harmony, Arpeggio and Slicer.

Press the [GLOBAL SETTING] button on the panel to bring up the menu. Press the “Part Effect” button to enter the settings menu. The R1 part effect is turned on by default.



Harmony

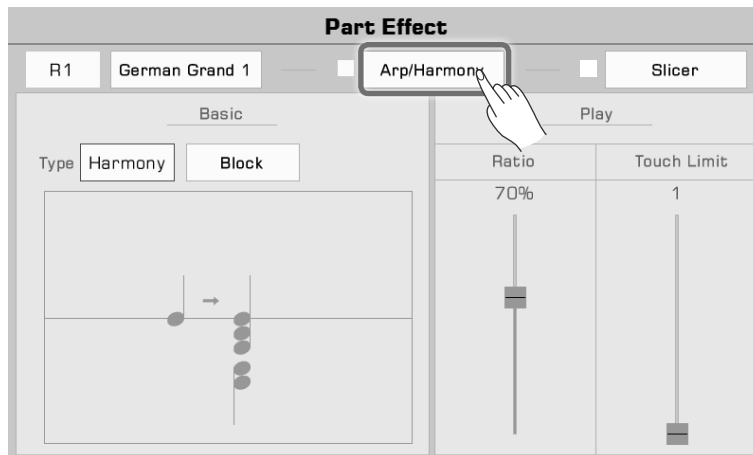
Harmony is one of the most commonly used effects. It will automatically add harmony to your performance, giving it a fuller feel. Harmony only applies to the right hand parts (R1, R2, R3).

You can also add Echo, Tremolo and Trill effects to the right hand part.

Select and Turn on Harmony

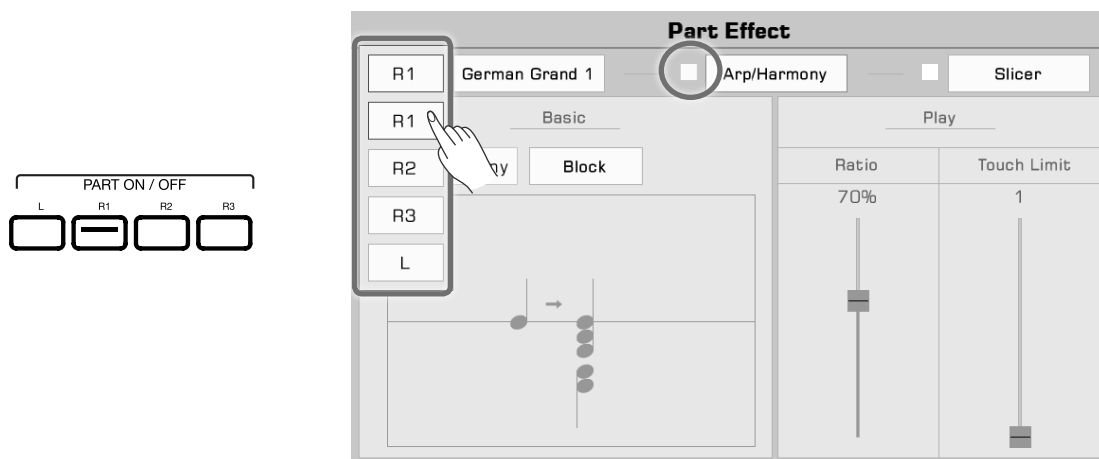
Add the harmony effect to the right hand part as follows:

1. In the Part Effect setting menu, press “Arp/Harmony” to bring up the settings menu.

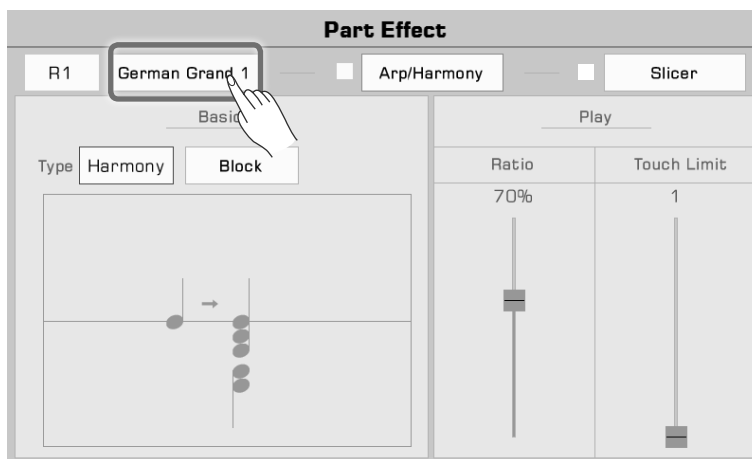


Keyboard Part Effects

2. Press the part name and select the part to which to add the harmony effect. If you need to listen during editing, turn on the “Arp/Harmony” option and the corresponding Part button on the panel.



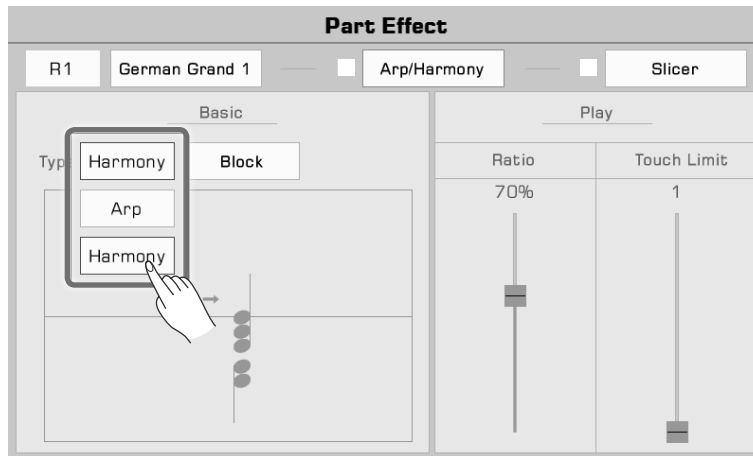
Press the voice name to change the voice of the current keyboard part.



Note! When you select a new voice, the part effect is set to the default type. You can use the Voice editing function to modify this setting. Please refer to the section on Voice editing for more information.

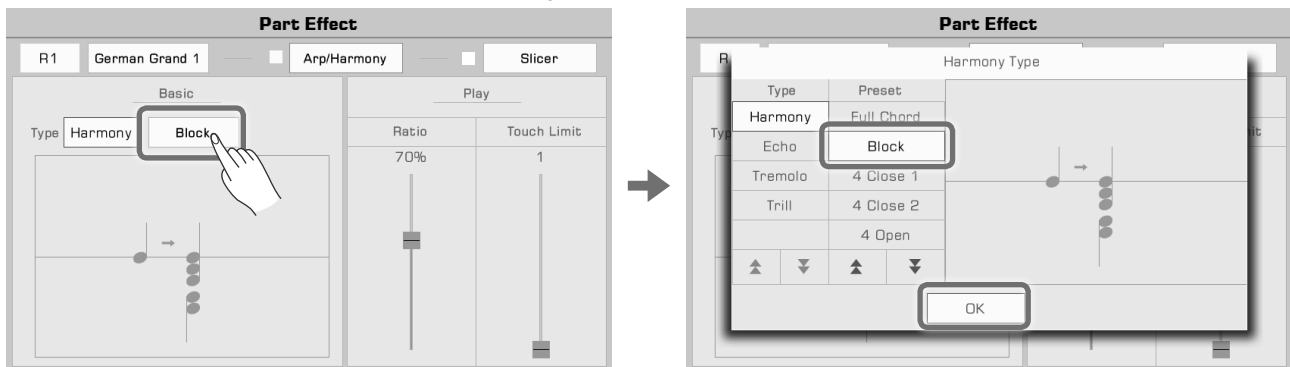
Keyboard Part Effects

3. Press the name of the part effect and select “Harmony” from the list.



4. Now you can select the Harmony type for the current part. Press the harmony type name to bring up the selection list. Press to select a harmony type from the list, the diagram will appear in the pop up.

Other effect options include Echo, Tremolo or Trill.
Press “OK” to confirm and return to the settings menu.



5. Press the [PART] button to turn on the Harmony effect. Make sure the [A.B.C.] function is turned on. Play chords in chord detection area and play a melody with your right hand to hear the rich harmonic effect.

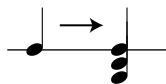


Note! Arpeggios and Harmony cannot work simultaneously on same keyboard part.
If the default effect type is arpeggio, it will already be applied to that part when Part Effect switch is turned on. You have to change the effects settings to apply Harmony.

Harmony Types

This section briefly introduces the characteristics of Harmony, Echo, Tremolo and Trill.

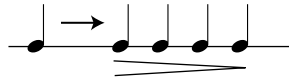
- **Harmony:** A commonly used part effect that automatically adds harmonies to your playing.



The instrument features 13 different types of harmony. The 1+5 and Octave types are not affected as you play chords. Even if you do not turn on the auto-bass chords function, they still operate on the right part. Other effects need to work with chords and will change depending on chord play.

Keyboard Part Effects

- Echo: A natural delay that simulates sound waves bouncing off hillside valleys.



There are 4 Echo effects. Echo effects are not affected by chords.

- Tremolo: The effect is a rapid repetition of single or multiple notes.



There are 4 Tremolo effects. The tremolo effect is not affected by chords.

- Trill: A type of grace note that lets two notes alternate play rapidly.

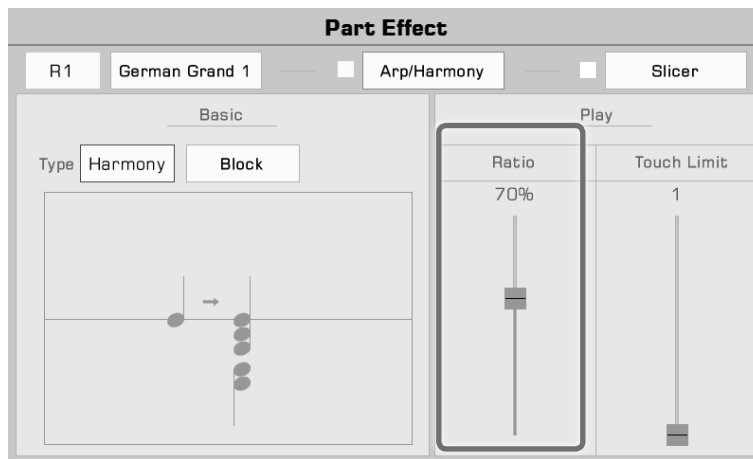


There are 4 Trill effects. Trills are not affected by chords.

Harmony Adjustment Parameters

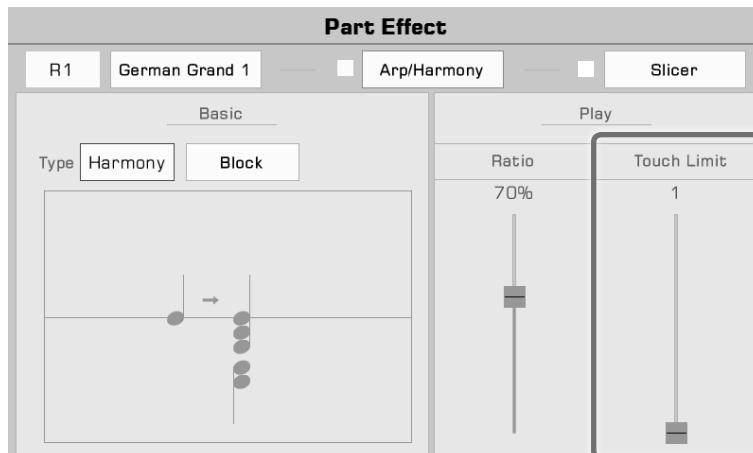
Adjust the volume proportion of Harmony to avoid the harmony from overshadowing the main melody.

Press and drag the harmonic volume ratio fader to adjust the harmony volume ratio relative to the note volume you are playing. When the value is 100%, the harmonic note has the same volume as the note.



Adjust the Threshold for triggering the Harmony effect and set the minimum velocity for the harmony effect response.

Press and drag the fader to adjust the parameters. If your playing velocity is less than the Threshold value, the harmony effect will not be added to your performance.



Arpeggios

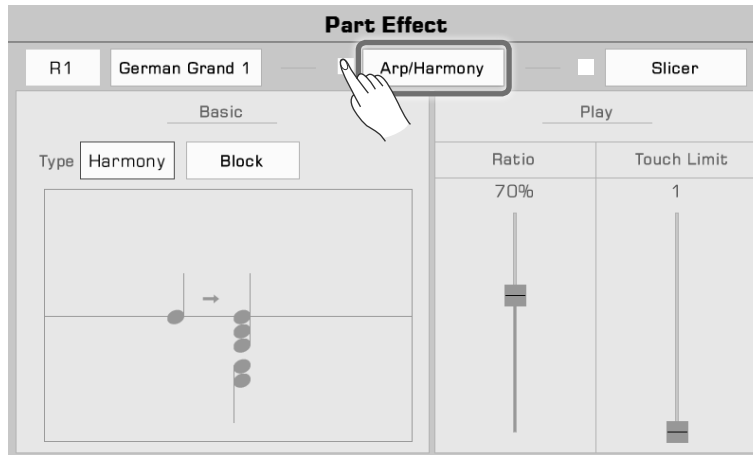
Arpeggio is a part effect that can help you build compelling performances.

Arpeggios convert one or more keys you play on a keyboard into a series of notes that are played in chronological order according to certain settings. Arpeggios can be applied to all keyboard parts.

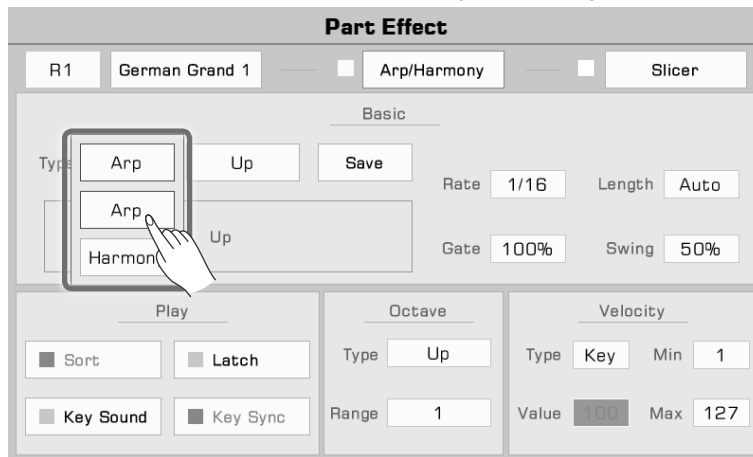
Select and Turn On Arpeggio

Select and turn on an arpeggio for the currently part as follows:

1. In the part effect setting menu, Press “Arp/Harmony” to bring up the settings menu, and turn on the “Arp/Harmony” option.

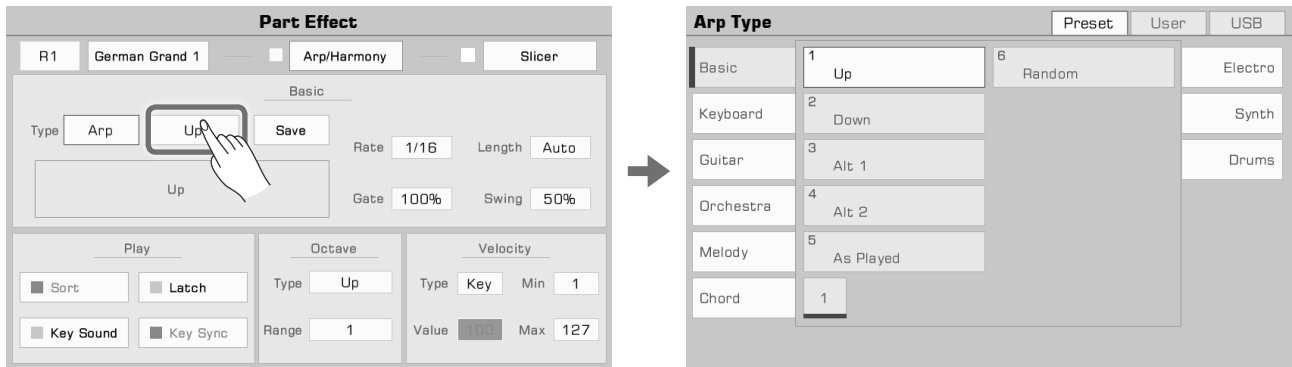


2. Press part effect type and select “Arp” from the list. This will bring up a settings menu.

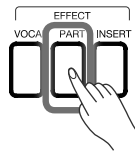


Keyboard Part Effects

3. Select an arpeggio type for the current part. Press the arpeggio name to bring up selection list. Select an arpeggio and press [EXIT] to return to the settings menu.



4. Press the [PART] button to turn on the arpeggio.



Arpeggio Types

- Basic

This instrument contains six basic types of Arpeggios, all of which are commonly used and flexible. You can find them in the “Basic” group.

With this type of arpeggio, the system will convert the notes you play into an arpeggio sequence in real time according to the rules of Up, Down, Up and Down, As Played, and Random.

Up	Sort all pitches of currently played notes from low to high.
Down	Sort all pitches of currently played notes from high to low.
Alt 1	Sort all pitches of currently played notes from low to high, then high to low.
Alt 2	Sort all pitches of currently played notes from low to high, then high to low. But the highest note of the “up” sequence and the lowest note of the “down” sequence will not play again.
As Played	Sort all pitches of currently played notes according to the order they were played.
Random	Sort all pitches of currently played notes randomly.

- Step

Step arpeggios are template-based arpeggios which follow complex rules are complicated.

With this type of arpeggio, the system will number all the keys you play according to pitch (from low to high) or the order you played them. It will play sequence patterns based on rhythm, key rules, pitch shift and other parameters.

- Phrase

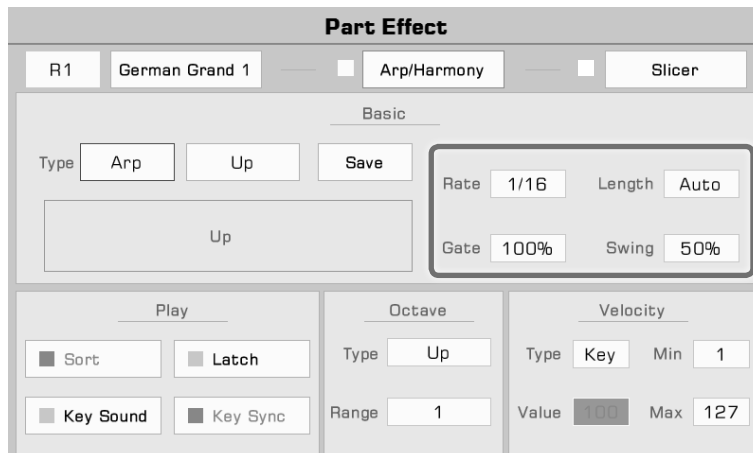
Phrase arpeggios generally have an obvious rhythm or melody. With this type of arpeggio, a phrase will be triggered based on the key you currently playing.

Arpeggio Parameter

This section will explain the Arpeggio parameters and their settings.

1. Basic Parameter

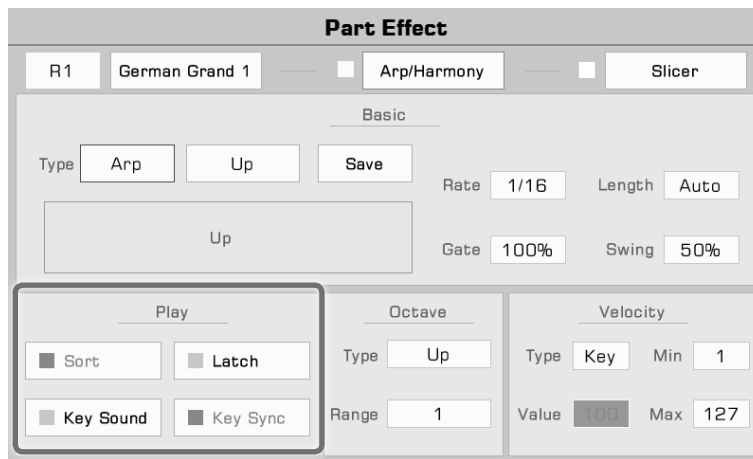
Rate	The Rate parameter is used to adjust the arpeggio tempo. This parameter is related to the current system tempo. The adjustable values are: 1/4, 1/4 triplet, 1/8, 1/8 triplet, 1/16, 1/16 triplet. When the value is set to 1/4, the current arpeggio plays the quarter note based on the current system tempo as the minimum unit.
Length	Used to limit the number of minimum units. The range is 1~64 and Auto. Arpeggios can support up to 64 minimum units. When the Length value reaches the upper limit in an arpeggio loop, it is then forced back to the first step. When the parameter is set to Auto, arpeggios are played according to the number of notes that you actually play or according to the arpeggio's pattern.
Gate	Used to adjust the length of each tone in the arpeggio. The Gate range is 1% ~ 100%. At the highest, every sound in the arpeggio is played continuously. As the Gate value lowers, the sounds become shorter.
Swing	Swing is used to add a swaying effect to the arpeggios. Swing range is from 50% to 75%. 50% indicates that there is no Swing effect. The larger the value, the greater the Swing range, and as the value is set higher, the Swing effect becomes more obvious.



Keyboard Part Effects

2. Playing Parameter

Sort switch	When this switch is turned on, the current arpeggio will arrange the pitch from low to high. When the switch is turned off, the current arpeggio will arrange the note according to keys you play.
Latch ON/OFF	When this switch is turned on, the arpeggio played when keys are pressed will continue playing when the keys are released. When the switch is off, the arpeggios will stop playing when the keys are released.
Key Sound ON/OFF	When this switch is turned on, the key sound will be played simultaneously when you press the keys. When the switch is off, only arpeggios are played.
Key Sync ON/OFF	When this switch is turned on, the arpeggio plays from the loop position every time the key is played. When this switch is turned off, each time the key is played, the arpeggio plays from beginning.



Tips! When some arpeggio types or arpeggio templates are selected, some parameters are not available. This depends on their characteristics and application.




3. Octave Parameter

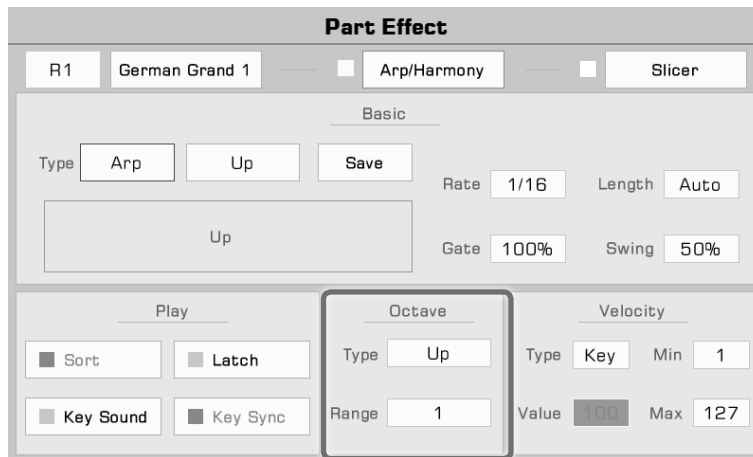
Arpeggios have two octave parameters: Octave Repetition Mode and Octave Range.

Octave Repetition Mode is used to set playback mode, and Octave Range is used to adjust the octave repetition range. There are several octave patterns.

Up	From the first octave you play, arpeggios are played from low to high and loop.
Down	From the first octave you play, arpeggios are played from high to low and loop.
Up&Down	From the first octave you play, arpeggios are played from low to high and then from high to bottom and loop. Arpeggios are not repeated for the beginning and highest octaves.

Keyboard Part Effects

Alt 1	<p>From the first octave you play, arpeggios are played from low to high until they reach the highest octave, and then from high to low.</p> 
Alt 2	<p>From the first octave you play, arpeggios are played from low to high until they reach the highest octave, and then from high to low. Arpeggios do not repeat the lowest and highest notes.</p> 
Paralled	<p>From the first octave you play, arpeggios stack the notes of each octave up parallel and play in a loop.</p> 



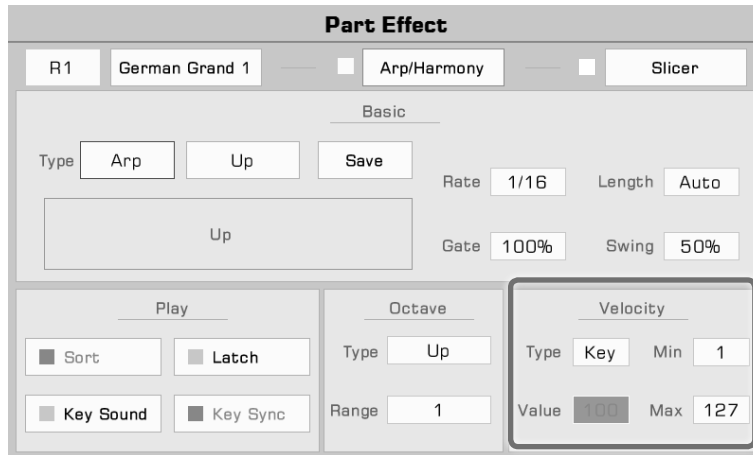
4. Velocity Parameter

Arpeggios have four velocity parameters: Velocity Response Type, Fixed Velocity Value, Minimum Velocity Value and Maximum Velocity Value.

Arpeggios have three response modes:

Auto	When this item is selected, arpeggios are played according to the velocity value of each minimum unit in the arpeggios template.
Key	When this item is selected, arpeggios are played based on your actual performance velocity. You can set the maximum and minimum value. When your playing velocity is outside of this range, the arpeggio will not start.
Fixed	Arpeggios are played with fixed velocity values. You can set a value that arpeggios respond to.

Keyboard Part Effects



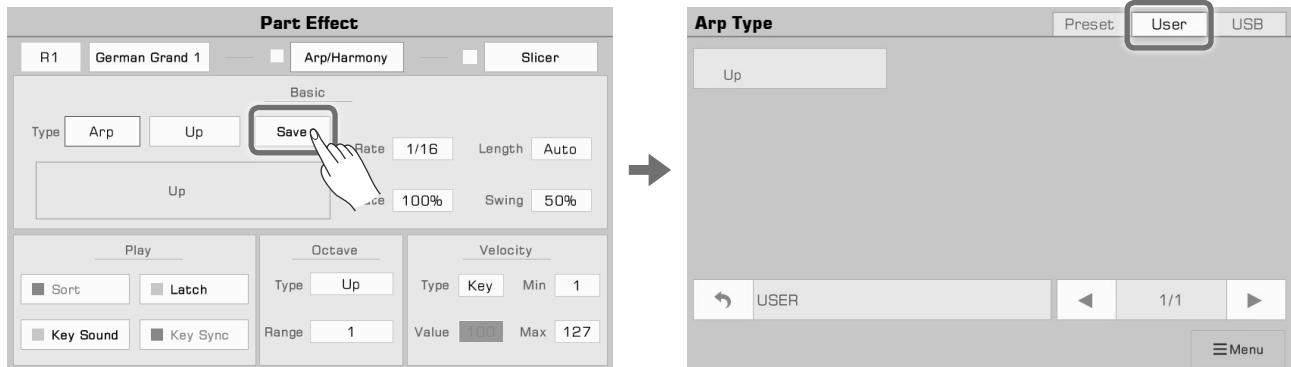
Tips! When some arpeggio types or patterns are selected, some parameters are not available. This depends on their characteristics and application.

Saving User Arpeggios

Each preset arpeggio pattern in this instrument has a set of preset parameters. You can modify these parameters and save your settings as a User Arpeggio.

Press “Save” to bring up the soft keyboard. Press “OK” after naming the arpeggio to save it in the User Arpeggio directory.

Select the arpeggio pattern from the User Arpeggio directory to apply it to your performance.



Tips! You can also select arpeggio files from a USB storage device as Part Effects. You can use the official software to create your own arpeggio patterns. Please refer to the software description for details.

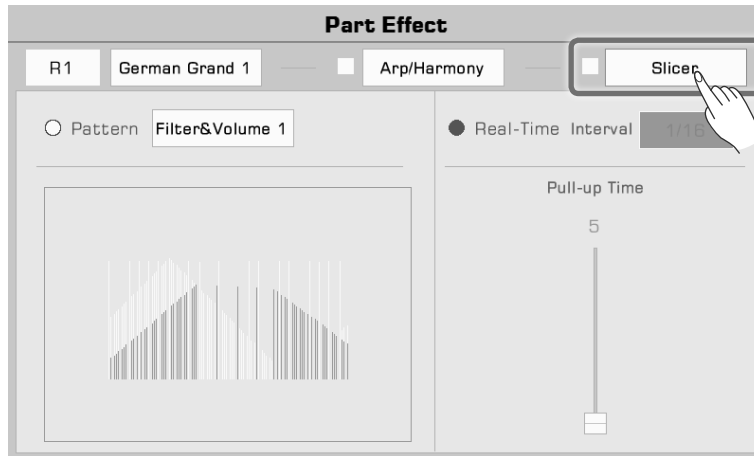
Slicer

Slicer is an effect applied to Voice that allows you to play notes with rhythmic filters and volume changes. This is a popular effect in electronic music production.

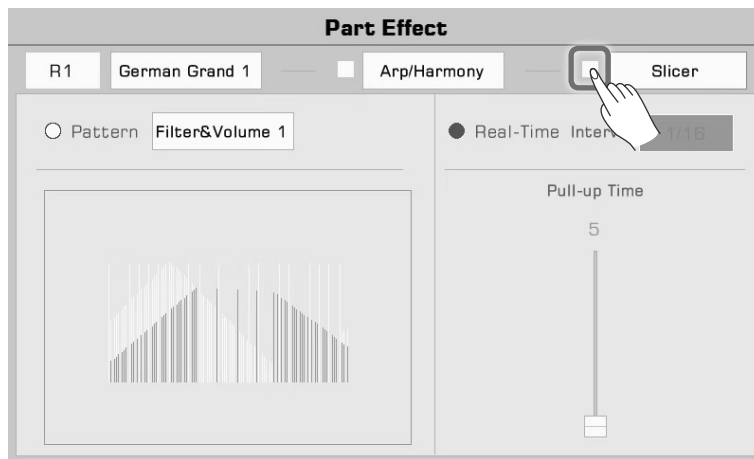
Select and Turn On Slicer

Add a slicing effect to the keyboard voice as follows:

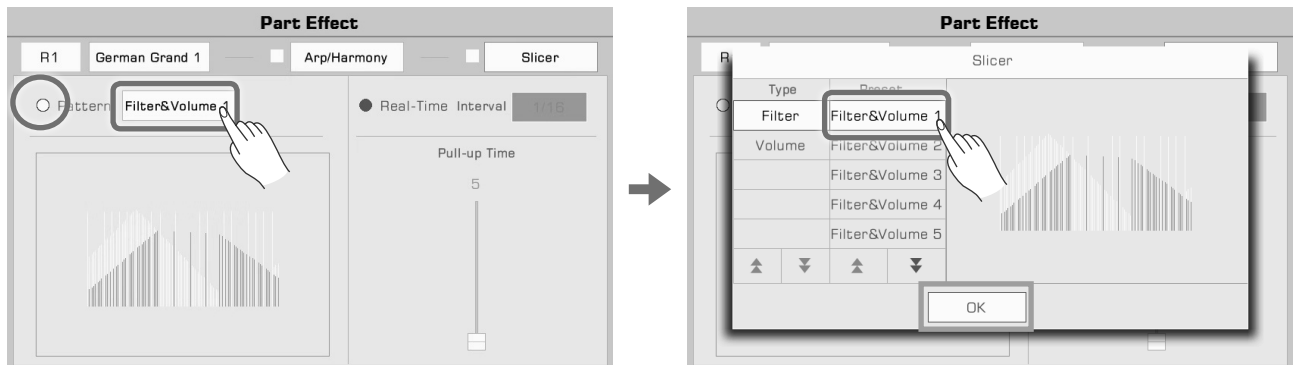
1. Press “Slicer” to bring up the effects settings menu.



2. Press to turn on the “Slicer” option of the current keyboard part. The default slicer pattern will be immediately applied.



3. To change patterns, press the pattern name to bring up the selection list. Press to select a pattern. A visual diagram showing the slicer type will appear. Press “OK” to confirm and exit.

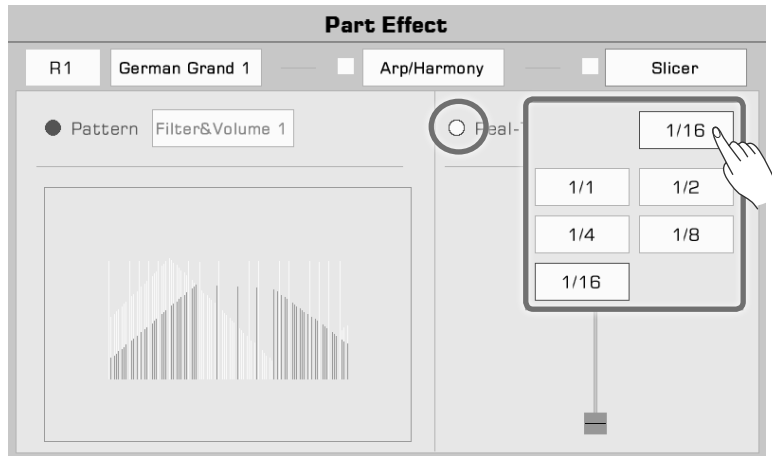


Keyboard Part Effects

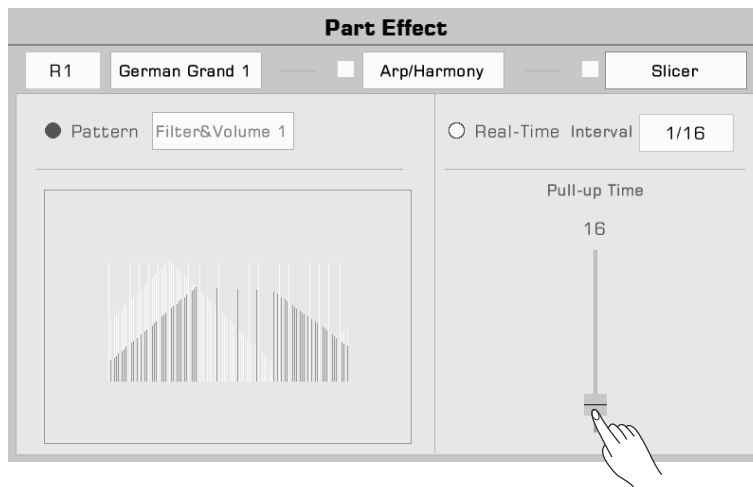
Adjusting Real-time Slicer

In addition to using slicer patterns, you can also use a Real-time Slicer to produce regular note syncopation.

1. Press to turn on the Real-time Slicer option. Press the slice interval value to select how fast you want to cut the sound.



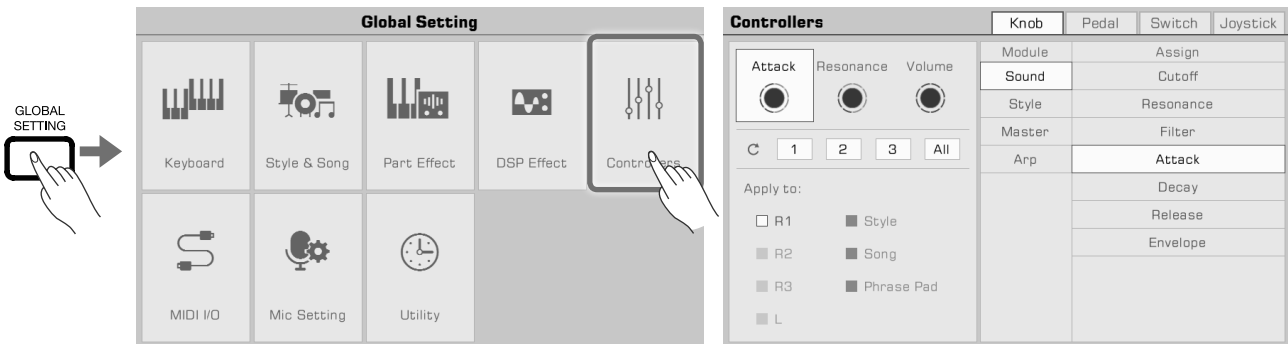
2. Press and drag the fader to adjust how long you want to cut the sound.



Note! When you select a new voice, the part effect is set to the default type. You can use the Voice editing function to modify this setting. Please refer to the section on Voice editing for more information.

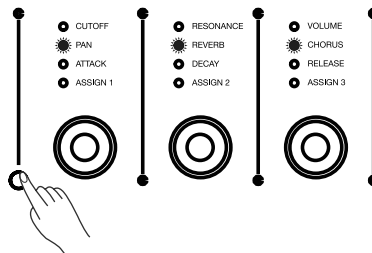
This instrument has powerful assignable controllers which give you flexibility over your performance.

Press the [GLOBAL SETTING] button on the panel to bring up the selection menu. Click the “Controllers” button to enter the menu.



Knobs

The instrument has three multi-function knobs for use in adjusting several parameters in real time during a performance. When you rotate the knobs clockwise or counterclockwise, a light will indicate the function parameter value. Press the [Knob Function] button to switch the functions of each knob set. The LED lights of corresponding groups will be lit.



Selecting knob function

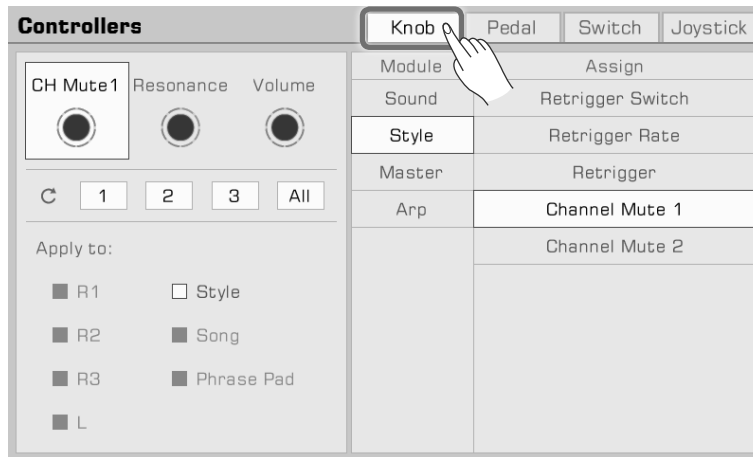
The default settings of the knob groups are:

Group 1	Cutoff	Resonance	Volume
Group 2	Pan	Reverb	Chorus
Group 3	Attack	Decay	Release
Group 4	Channel Mute 1	Retrigger ON/OFF	Retrigger Rate

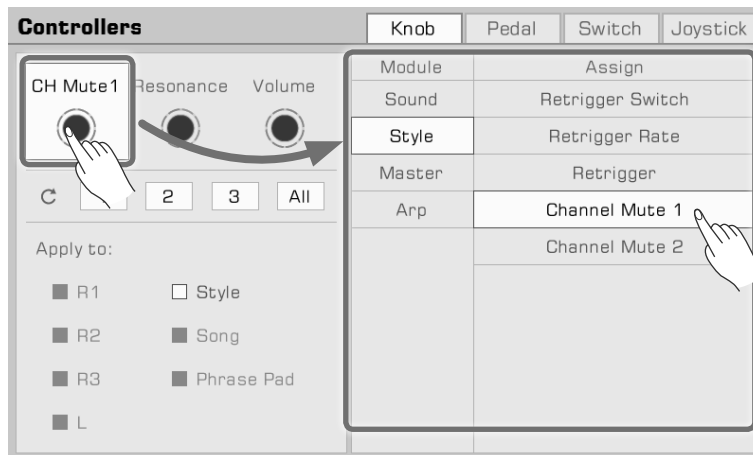
Controllers

The knob functions are assignable. Adjust them as follows:

1. Press “Knob” to enter the knob settings menu.

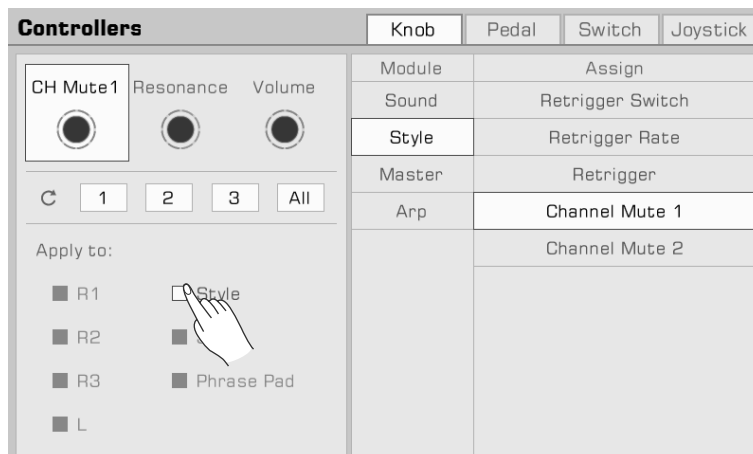


2. Press to select a knob. The available functions appear at the right. Select a Module, then select a function to assign to the knob.

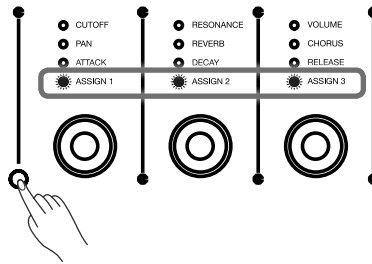


Press both the [<] and [>] buttons to reset the selected knob to its default setting.

3. Different knob functions can be applied to different parts. Check the Part boxes to apply the current function to the parts you want to control in real time.

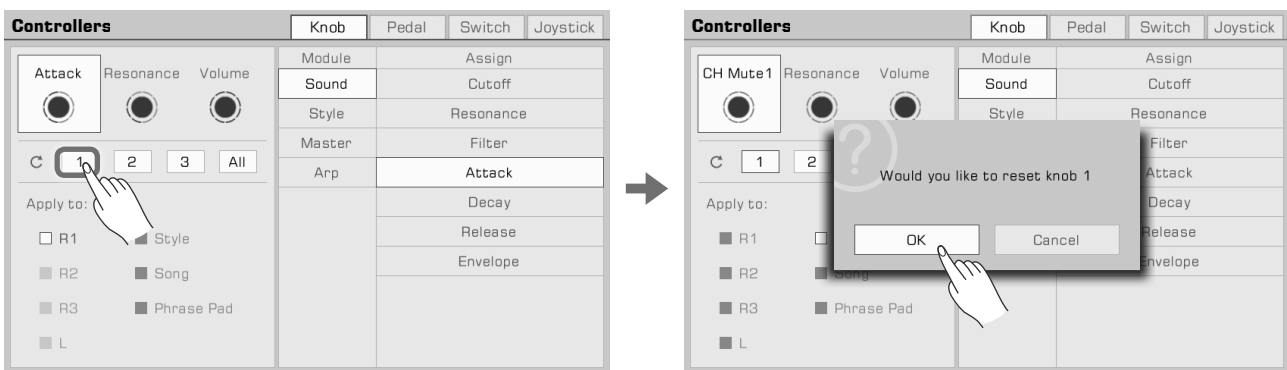


4. You have set a function for the currently selected knob. Press the [Knob Function] button on the panel to switch the function group.



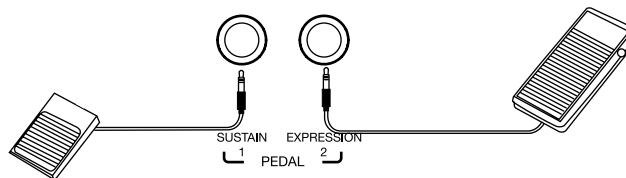
Resetting Knob Parameters

Press the corresponding reset button [1] [2] [3] to bring up a pop up asking whether you want to reset the parameters of the selected knob. Press the “OK” to reset.



Foot Pedals

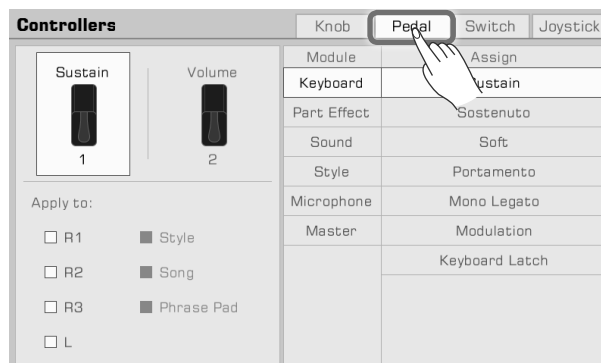
This instrument has 2 assignable pedals. The default settings are:



Foot Pedal 1	Switch Pedal, the default setting is Sustain
Foot Pedal 2	Controller Pedal, the default setting is Volume

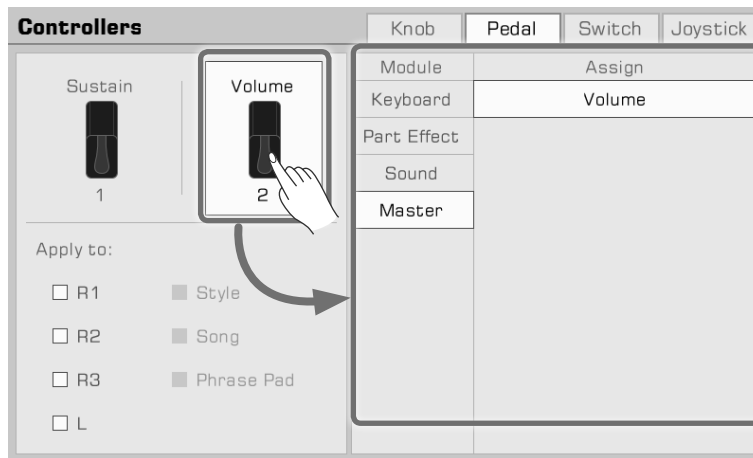
Assign the pedal functions as follows:

1. Press “Pedal” to enter the pedal settings menu.



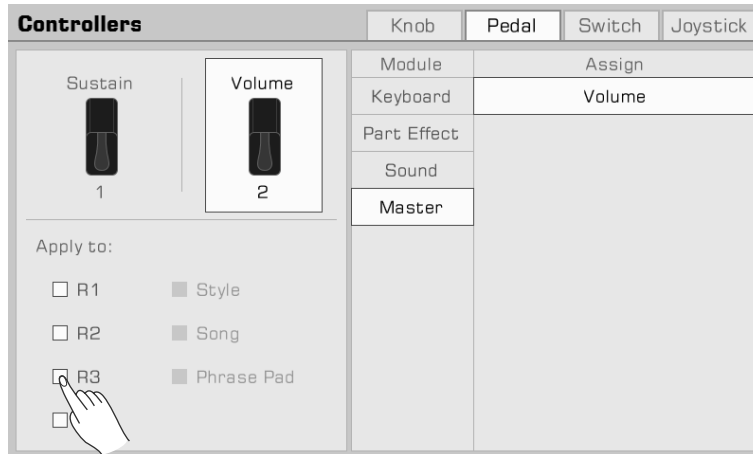
Controllers

2. Press a pedal and the function menu appears to the right. Select a module, then select a function.



Press both the [<] and [>] buttons to reset the selected pedal to its default setting.

3. Different pedal functions can be applied to different parts. Check the Part boxes to apply the current function to the parts you want to control in real time.

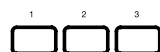


Note! Some function can only be used on the controller pedal and not on the switch pedal. If you assign the function of the controller pedal to the switch pedal, the actual effect may not work correctly.

We strongly recommend that you use the official pedal accessories. The use of unofficial pedals may cause polarity problems. If you encounter this problem, you can try to adjust the polarity by stepping on the pedal when turning on the instrument.

Assign Buttons

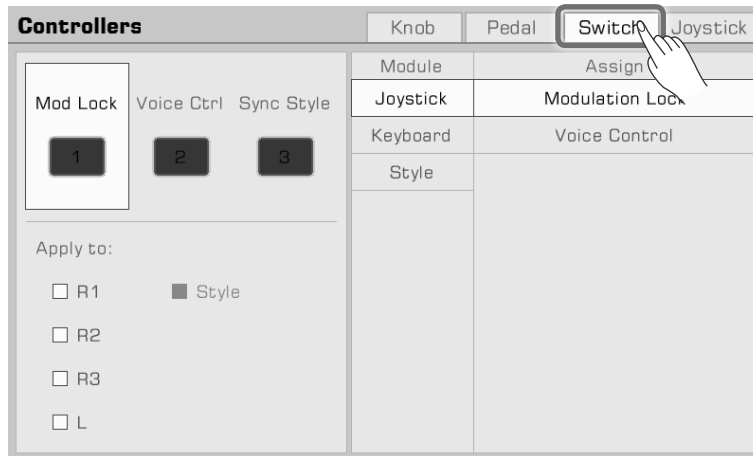
This instrument has 3 assign buttons. The default settings are:



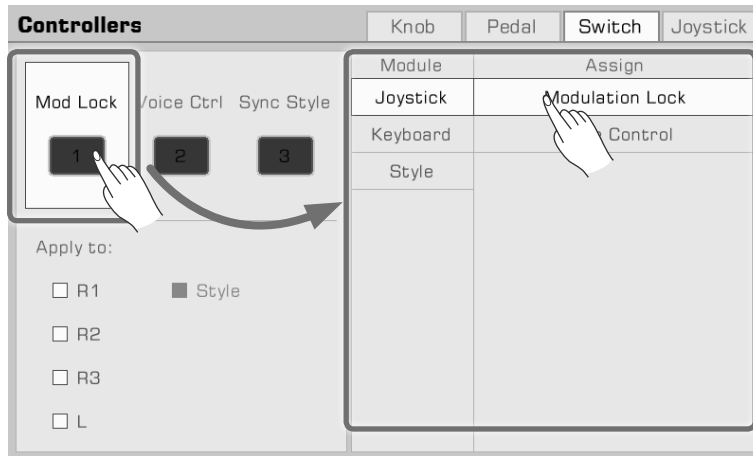
Assign button 1	Modulation Lock
Assign button 2	Voice Control
Assign button 3	Sync Style

Program the assign buttons as follows:

1. Press "Switch" to enter the switch settings menu.

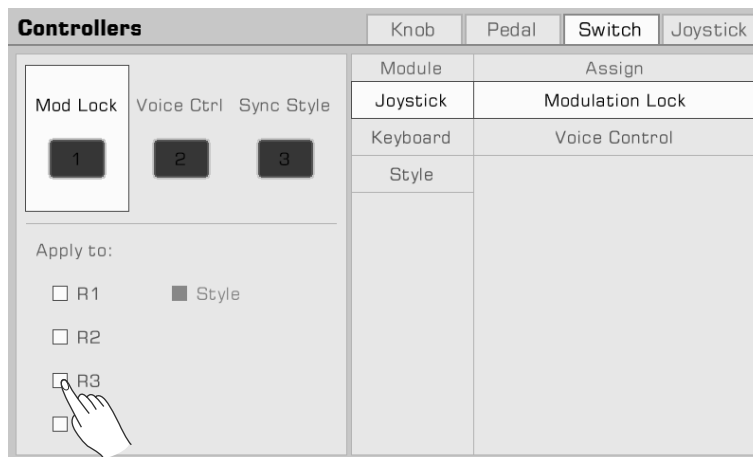


2. Press one of the three the Switch buttons and the function menu appears to the right. Select a module, then select a function.



Press both the [<] and [>] buttons to reset the selected button to its default setting.

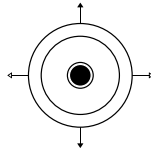
3. Different functions can be applied to different parts. Check the Part boxes to apply the current function to the parts you want to control in real time.



Controllers

Joystick

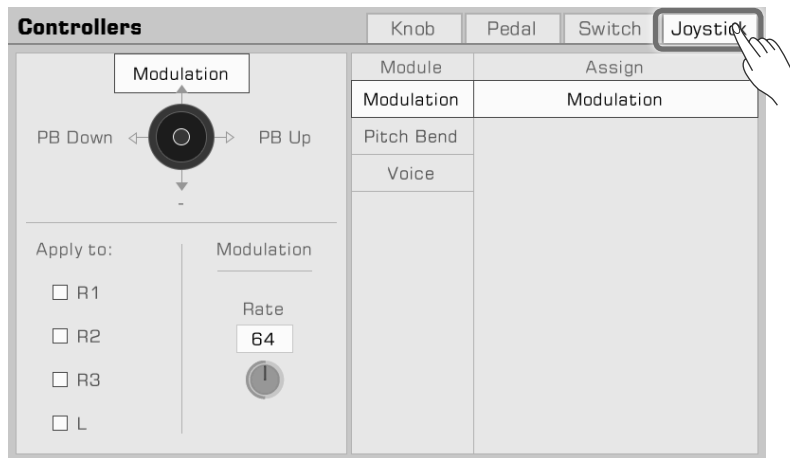
The instrument has a four-direction joystick. The joystick can be pulled any direction and will automatically return to the center position after being released. The default settings are:



X- ←	Pitch Bend Down
X+ →	Pitch Bend Up
Y+ ↑	Modulation
Y- ↓	-

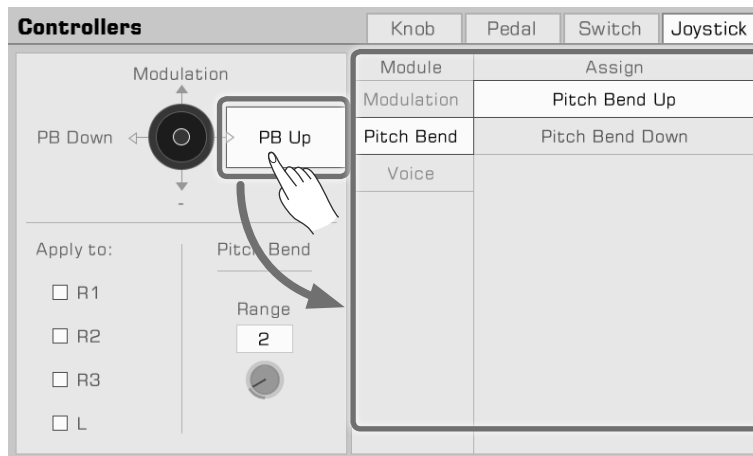
Assign the joystick settings as follows:

1. Press "Joystick" to enter the joystick settings menu.



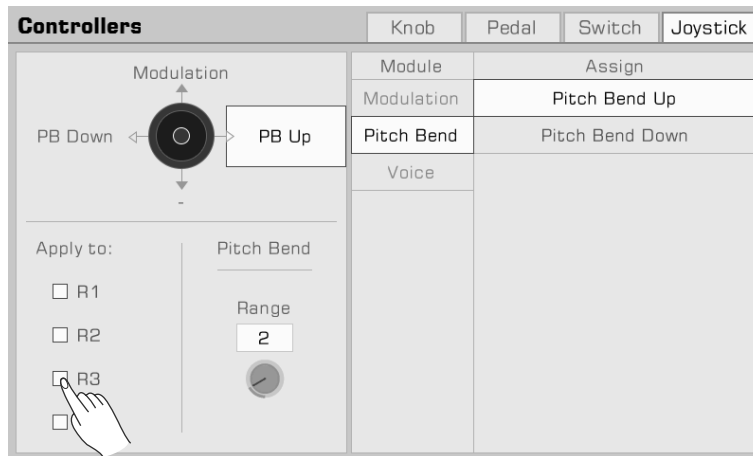
2. Press the joystick in one of the four directions to view the functions on the right. Select a module, then select a function.

The left and right (X-, X+) directions only can be set as Pitch Bend.



Press both the [<] and [>] buttons to reset the selected joystick direction to its default setting.

- The joystick function can only be used on the keyboard part. Check the Part boxes to apply the current function to the parts you want to control in real time.



Tips!

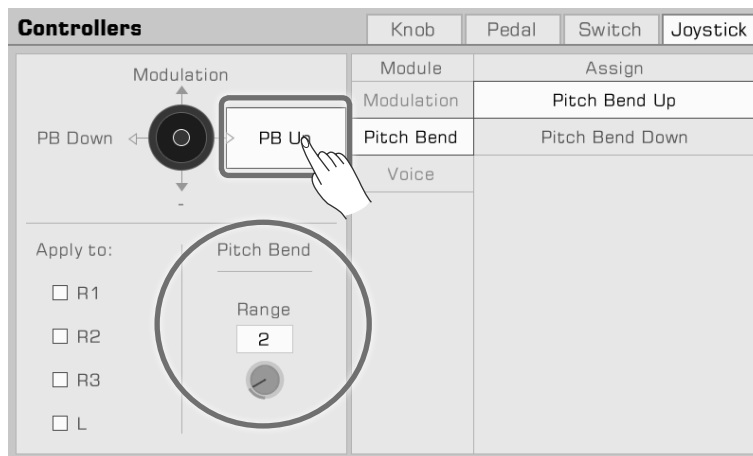
When the joystick function is set to Voice Control, you can control the effect parameters of the current part. For more information, please refer to the “Voice Editing” section.

For more information on all the functions of the controllers, please read the “Controller Functions” section in the appendix.

Setting the Pitch Bend Range

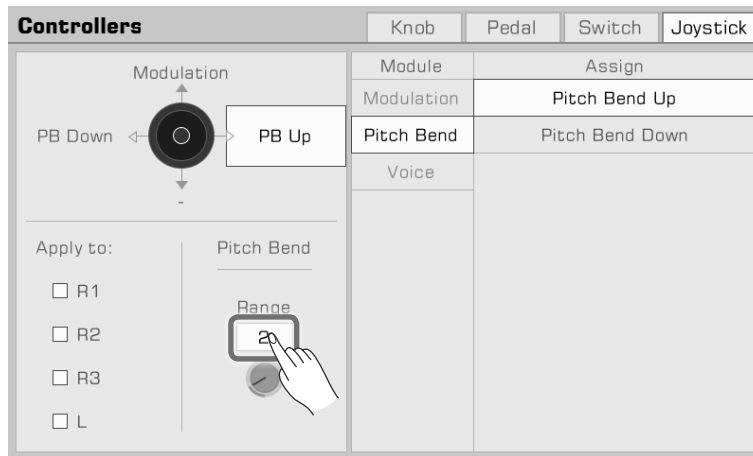
You can set the Pitch Bend range by following steps:

- Press the function name of the left or right direction and select Pitch Bend. Then, the range parameter will appear at the bottom.



Controllers

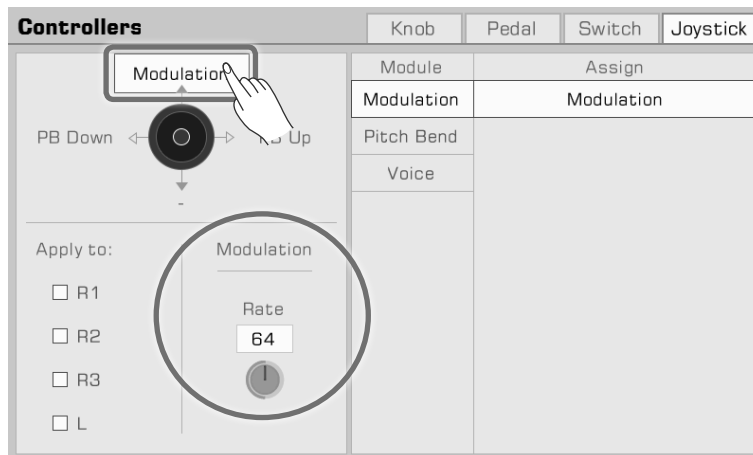
2. Press the Pitch Bend range and set the maximum value of the keyboard part. You can then use the joystick to trigger Pitch Bend of playing notes.



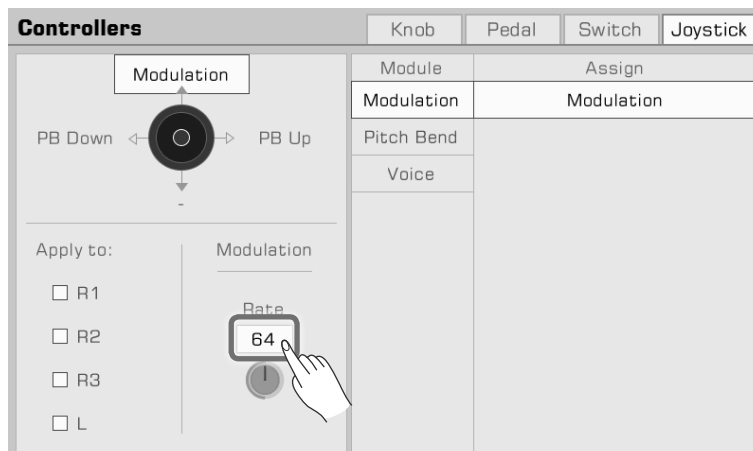
Setting the Modulation Rate

You can set the Modulation rate of the keyboard by following steps:

1. Press the function name of the upper direction and select the Modulation. At this point, the modulation parameters will appear at the bottom.



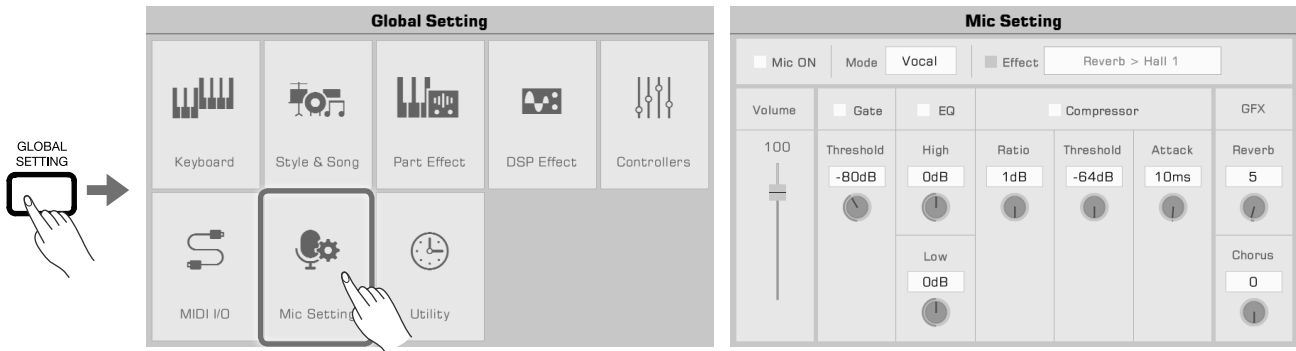
2. Press the modulation rate and set the maximum rate of the keyboard part. You can then use a joystick or a multi-functional pedal control the modulation rate of playing notes.



Microphone

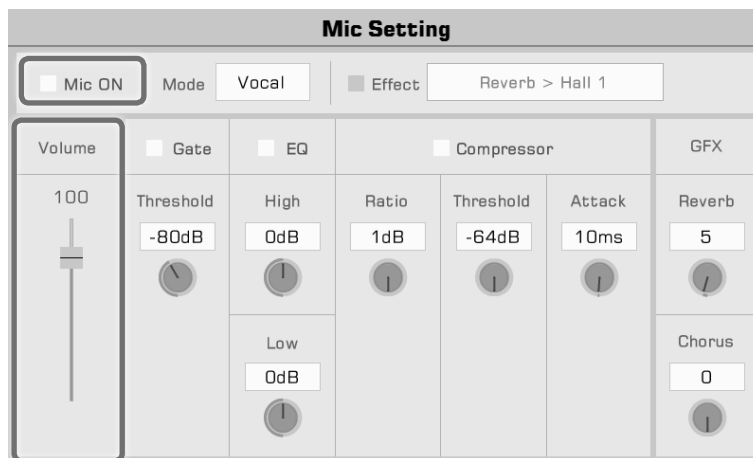
This instrument is set up for a microphone connection. You can also add rich microphone effects to your voice and then record the music you play and sing.

Press the [GLOBAL SETTING] button on the panel to bring up the selection menu. Press “Mic Setting” to enter the microphone settings menu.



Turn on Microphone

1. Make sure your microphone is turned off before connecting. Also, make sure the microphone volume on the touch screen menu has been set to zero.



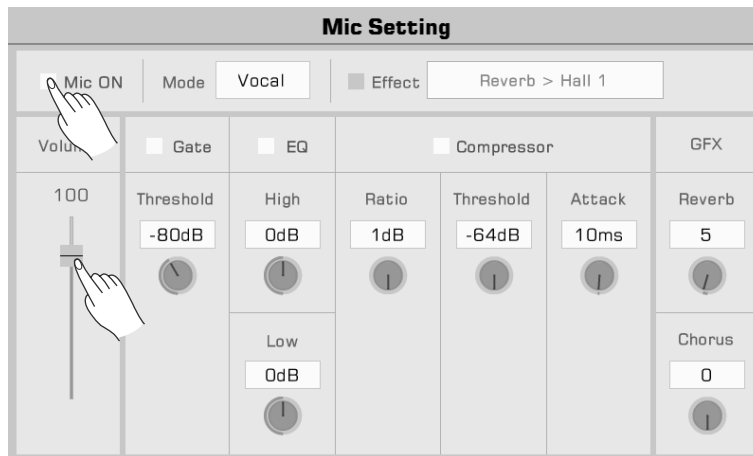
2. Connect the microphone to the [MIC IN] jack on the instrument back panel, then turn the microphone on.



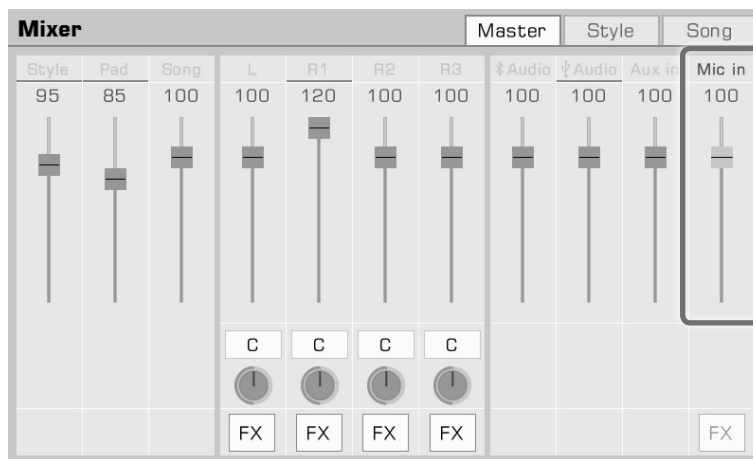
MIC IN

Microphone

3. Check the “Mic ON” box and adjust the volume as you speak into the mic.



Adjust the volume balance between the microphone and the other parts in the master mixer interface.



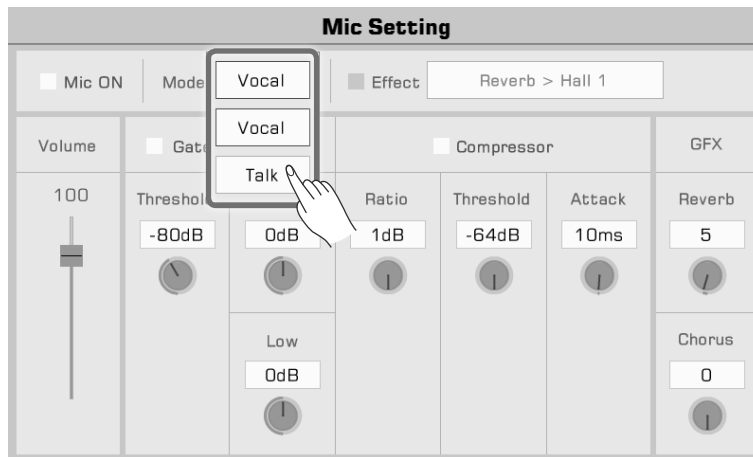
Selecting Microphone Mode

There are two microphone modes: Talk and Vocal.

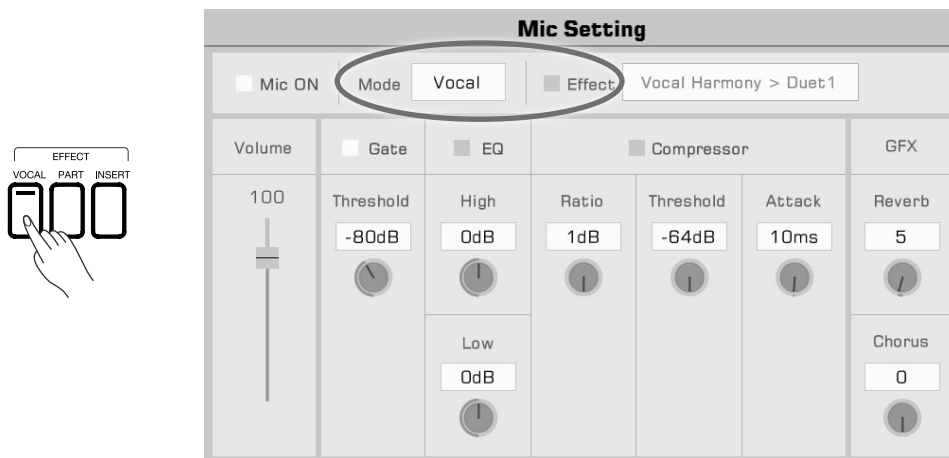
“Talk” mode is generally used for speech and broadcasting. Selecting this mode will turn off the microphone effects.

“Vocal mode” is generally used for singing performance. This mode is set up for adding effects, a Vocoder, or Vocal Harmony to your voice.

Press the mode name to bring up the selection list.



Press the "Vocal" button on the panel to switch to "Vocal Mode". The microphone effects option will automatically turn on.

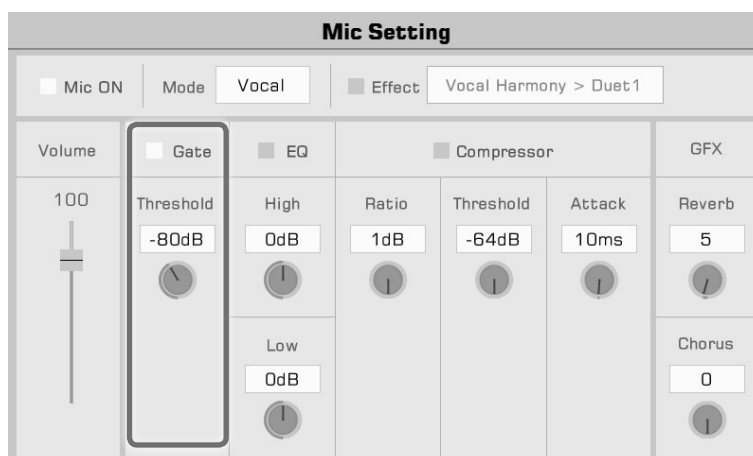


Adjusting Basic Microphone Parameters

Adjust the basic parameters of the microphone in the microphone settings menu.

Gate

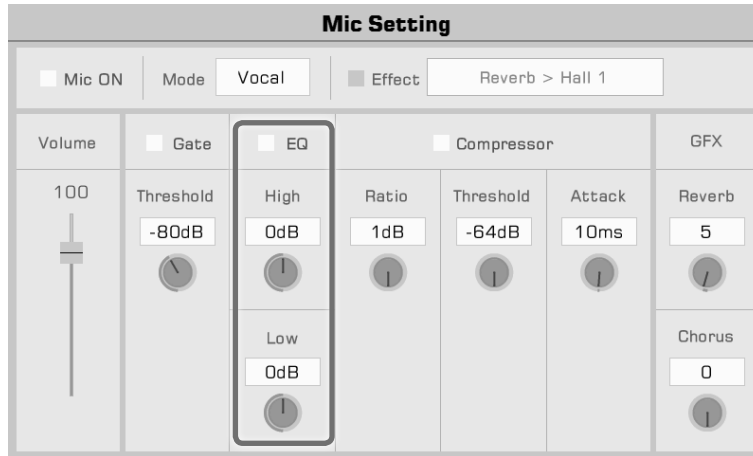
Check the Gate option to turn the noise gate on or off. Press the threshold value to adjust the noise gate parameter.



Microphone

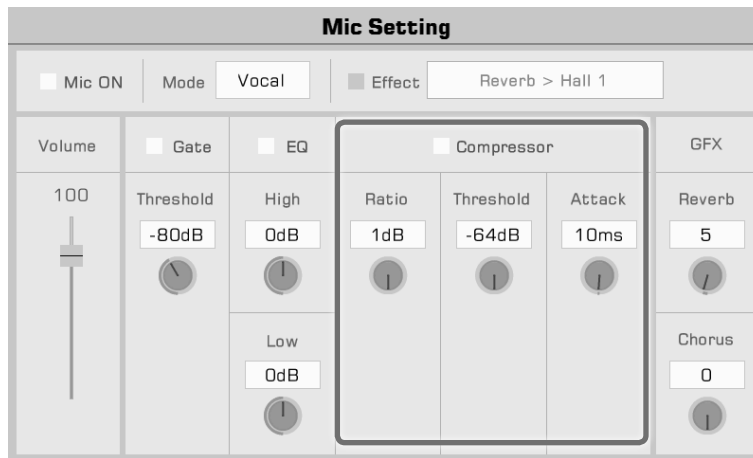
EQ in 2 Frequency

Check the EQ option to turn the microphone equalizer on or off. Press the High gain or Low gain values to adjust the EQ frequencies.



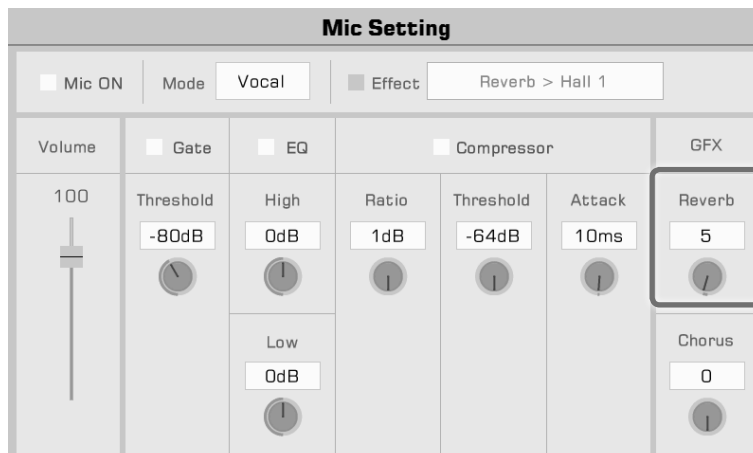
Compressor

Check the Compressor option to turn the microphone compressor on or off. Press the Ratio, Threshold and Attack time values to adjust the compression parameters.



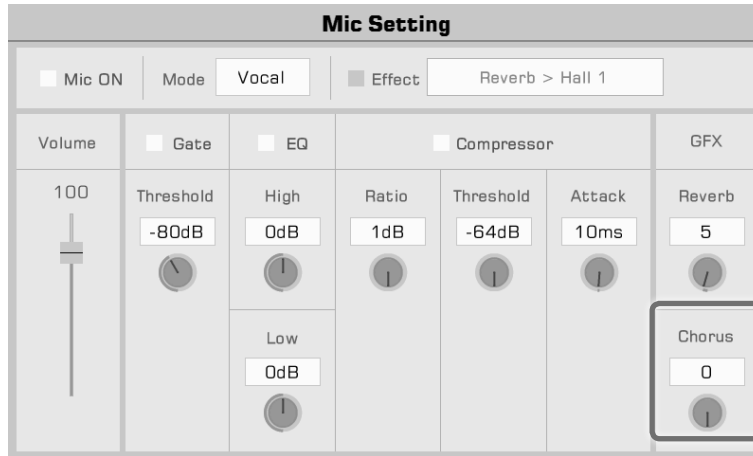
Global Reverb Level

Press the global reverb value to adjust the microphone reverb level.



Global Chorus Level

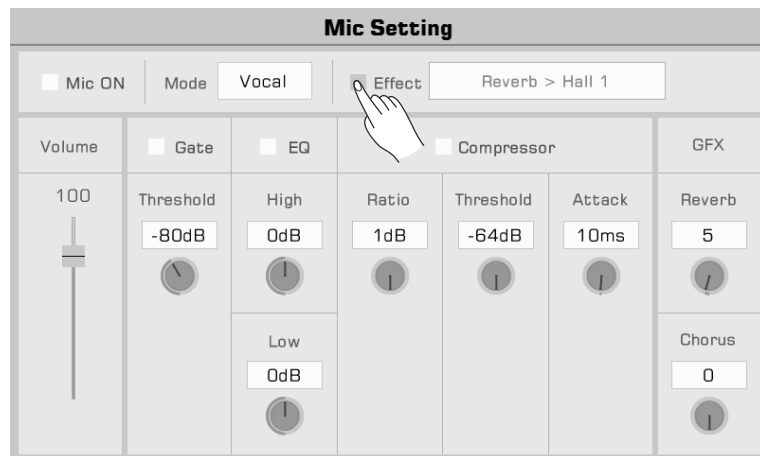
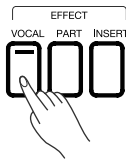
Press the global chorus value to adjust the microphone chorus level.



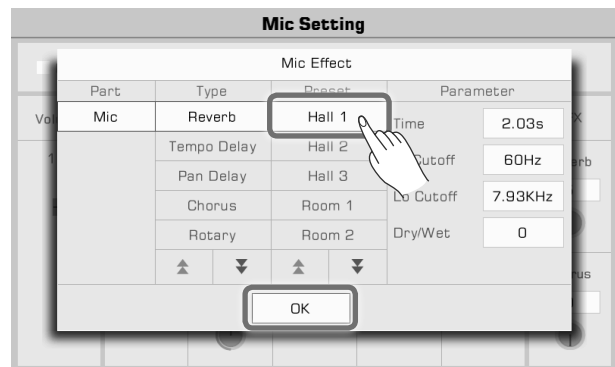
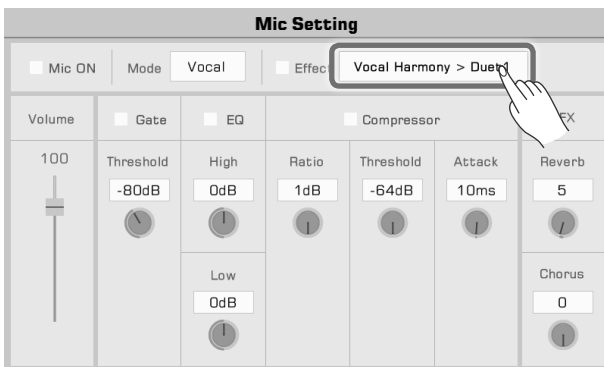
Turn On and Select Mic Effects

Add rich microphone effects in Vocal mode.

Press the "Vocal" button on the panel to turn the microphone effects on, or check the "Effect" option to apply the currently selected microphone effect.



Press the microphone effect name to bring up a pop up menu. Select the effect you want to apply to the microphone.



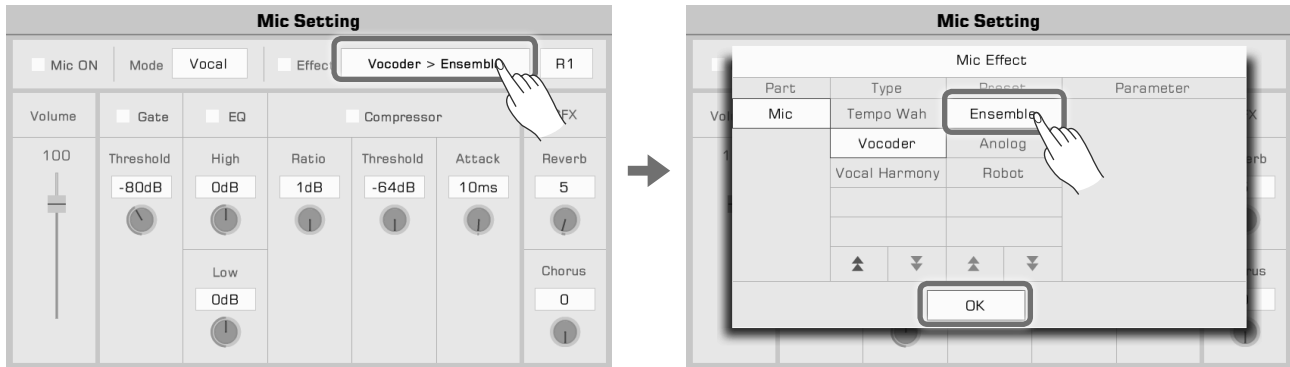
Microphone

Using Vocoder

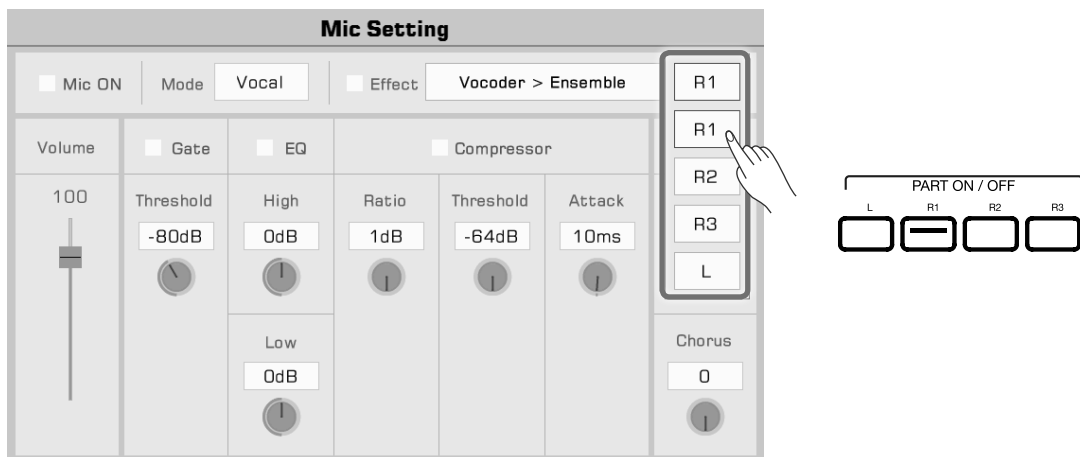
A vocoder is an effect which processes the microphone input sound to produce a robot-like vocal effect. You can trigger the vocoder with a keyboard part and use the pitch to process your voice.

Add a vocoder to the microphone as follows:

1. In Vocal mode, turn on the microphone effect option. Press the name to bring up the pop up menu. Select "Vocoder" as the current effect type and select one of the vocoder types from the list. Press "OK" to save and exit.



2. Select the keyboard part used to trigger the vocoder. Press the Part name on the top right to select a Part, and make sure that keyboard Part has been turned on.



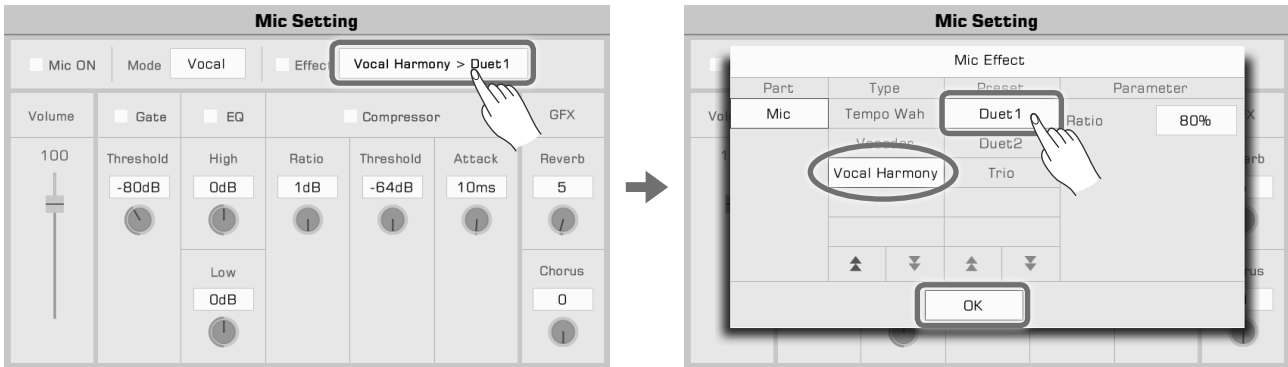
3. Speak or sing while playing the keyboard. The vocoder you selected will trigger the note pitch and modulate your voice.

Using Vocal Harmony

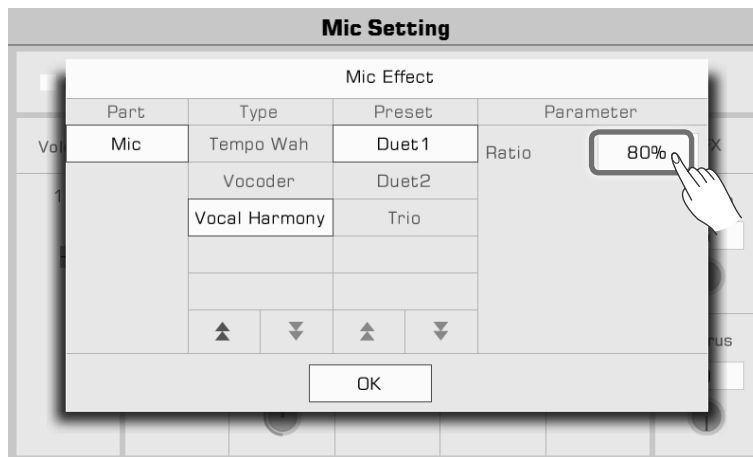
Vocal Harmony is an effect which processes the microphone input sound to produce a natural multi-part harmony. The harmony added to your singing will depend on the chord you are playing.

Add a Vocal Harmony to your voice as follows:

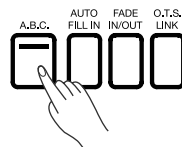
1. In Vocal mode, turn on the microphone effect option. Press the name to bring up the pop up menu. Select "Vocal Harmony" as the current effect and select one of the harmony types from the list. Press "OK" to save and exit.



Adjust the vocal harmony to human voice ratio to suit your performance.



2. Turn on the [A.B.C.] button. Now, when you play a chord in chord area, the vocal harmony effect will be automatically added to your singing.



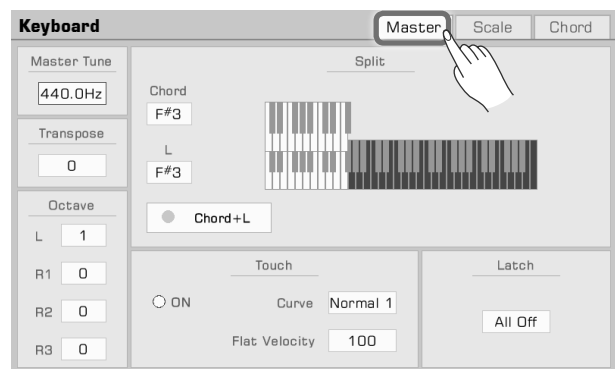
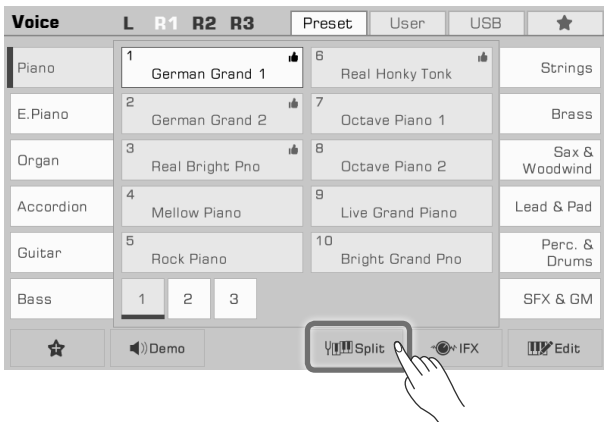
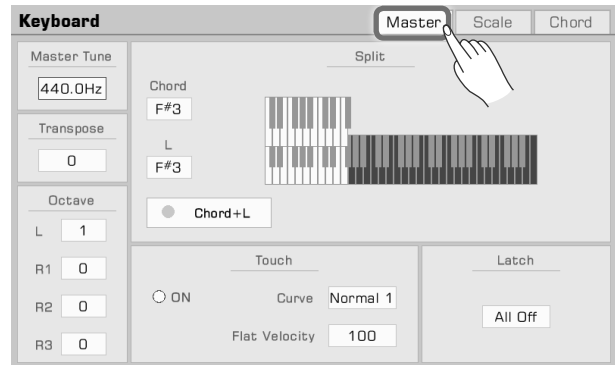
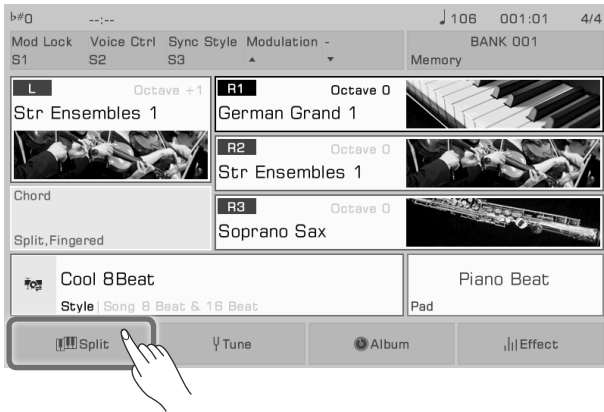
Scale Tuning

Master Tuning

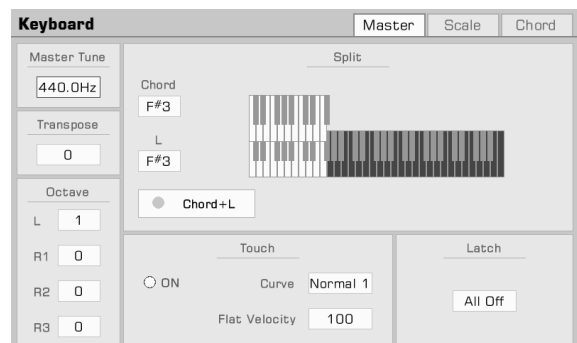
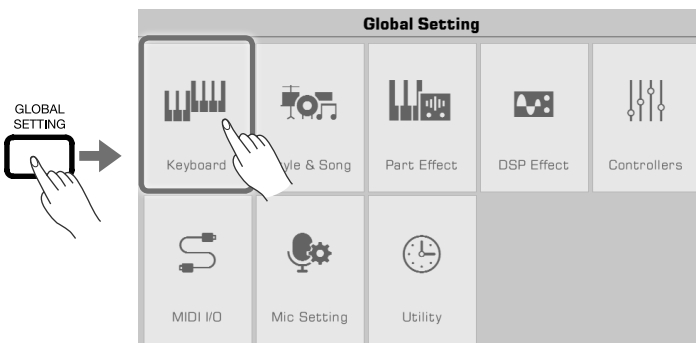
The instrument has a tuning function which can adjust the overall pitch of the instrument. This feature is useful when you play with other instruments or when recording.

Adjust the instrument tuning as follows:

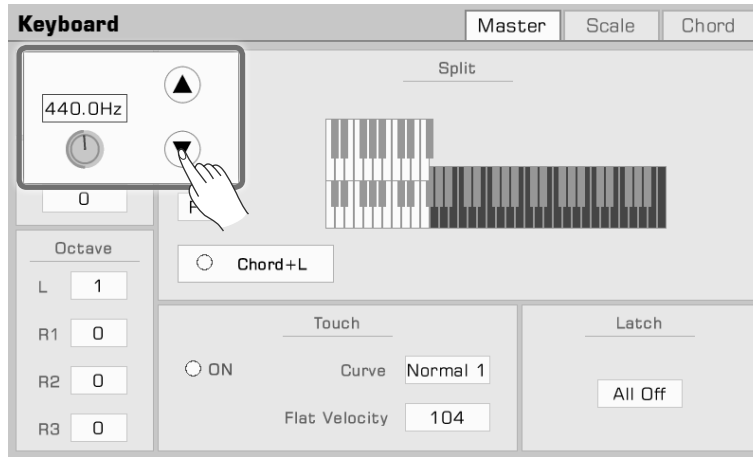
1. Press the “Split Point” button at the bottom of the main screen or the Voice selection menu to enter the keyboard settings menu. Press the “Master” tab at the top of the keyboard setting menu.



You can also press the [GLOBAL SETTING] button on the panel to bring up the selection menu. Press “Keyboard” to enter the keyboard settings menu.



- Press the “Master Tune” value to bring up the tuning knob. Adjust the tuning frequency by pressing the arrows, or by using the [DATA DIAL] or [←/→] buttons. The instrument tuning range is 415.4 Hz~466.2 Hz.

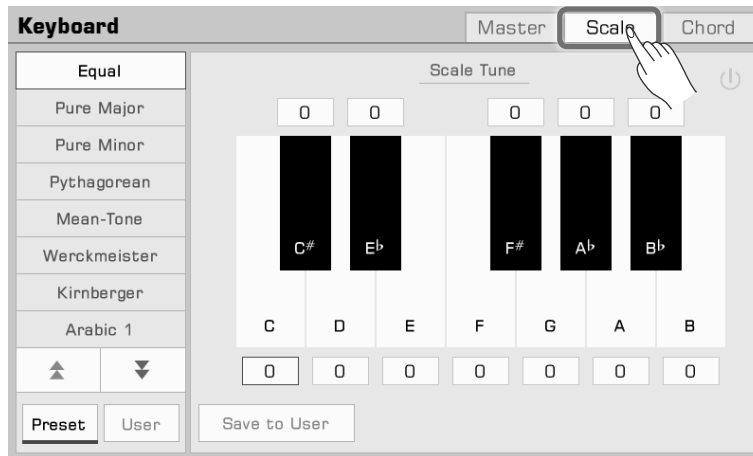


Scale Tuning

Fine-tune every pitch within an octave with the scale tuning function. Pitch range is -50 ~ +50 cents. Through subtle variations in pitch, different scales can be created.

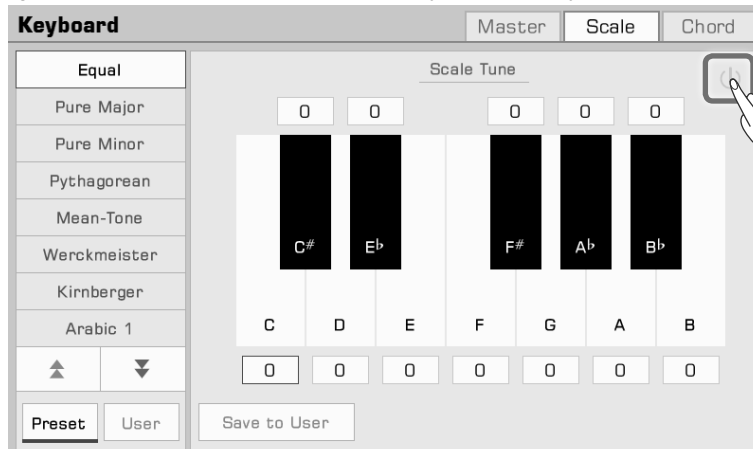
Scales is a system that precisely sets the pitch of the notes in the scale. This instrument features classical scale presets, which will be useful if you need to play retro or archaic music, such as Renaissance music.

In the keyboard settings menu, press the “Scale” tab to enter the settings menu.



Turn On and Select Scale

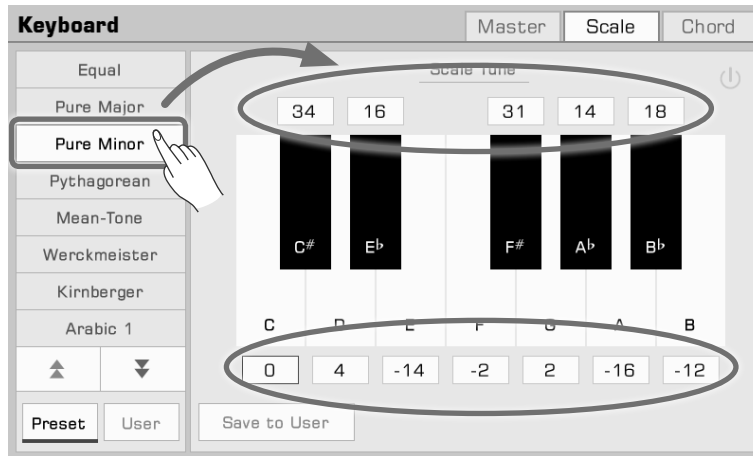
- Press the “Scale Tuning Switch” on button to turn on and apply the currently selected scale. The default scale is Equal.



Scale Tuning

- The preset tuning list appears on the left. Press the up and down arrows to scroll through the list and press a name to select a scale tuning.

The pitch difference of the selected scale appears on the right.



- When you play the keyboard, you'll feel the different scale effect. Press the on/off button to turn off the scale and the instrument will return to the Equal temperament.

Tips!	The instrument pitch is calculated on the basis of the modern universal Equal temperament. One cent is 1% of one semitone, which means 100 cents are equal to one semitone.
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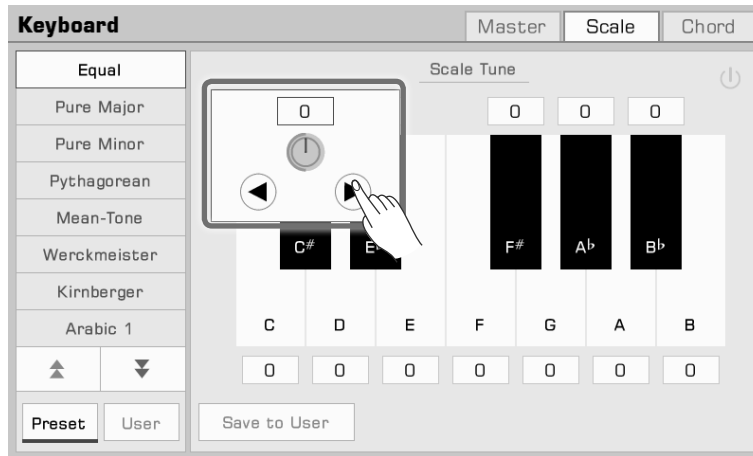
Preset Temperament Introduction

Equal	Equal is the temperament that divides an octave into 12 equal intervals. This temperament has only one semitone and one equitonic, which is very convenient for transposition. Equal is currently the international standard tuning for keyboard instruments.
Pure Major	The just intonation is any musical tuning which is based on the stack of intervals called perfect fifth and major third of overtone series. Pure Major & Minor works best when music uses extensive harmony, such as vocal harmony or cantata styles.
Pure Minor	Because there are two kinds of full tone and half tones in the temperament, it is not generally suitable for keyboard instrument performance.
Pythagorean	Pythagorean is the oldest temperament in the world, also called Circle-of-fifths. This system was first devised by Pythagoras and was later named after him. The Pythagorean temperament comes from a circle-of-fifths system. Compared with Equal, Pythagorean has a larger full tone and smaller half tone.
Mean-Tone	The Mean-tone was put forward for the practical application of the Pure temperament for keyboard instruments. Its characteristic is very close to the consonance of Pure temperament when forming triads. It was popular in Europe for hundreds of years because of its simpler structure than Pure temperament.
Werckmeister	Werckmeister is an improvement on the Pythagorean proposed by Andreas Werckmeister, a German organist and music theorist. The fifth interval of werckmeister retains the essence of natural law and it can play twelve major and minor keys without retuning. Bach called it the temperament close to Well-Tempered. Under this temperament, each tonal feature has distinct colors. This is an important basis for classical and romantic music which names the melody with the tonal name, and also the biggest reason for the revival of the classical temperament.
Kirnberger	Kirnberger was proposed by Johann Philippe Kirnberger, a student of Bach. After verifying the temperament used in Bach's Well-Tempered Clavichord, he standardized it as a new temperament. This temperament is a mixture of the "Mean-tone" and "Pure" temperaments. It is considered an improvement on the "Mean-tone temperament".
Arabic 1	The Arabic tunings are tailored to playing Arabic music.
Arabic 2	

Custom Scales

In addition to using a preset scale, you can also create your own custom scale.

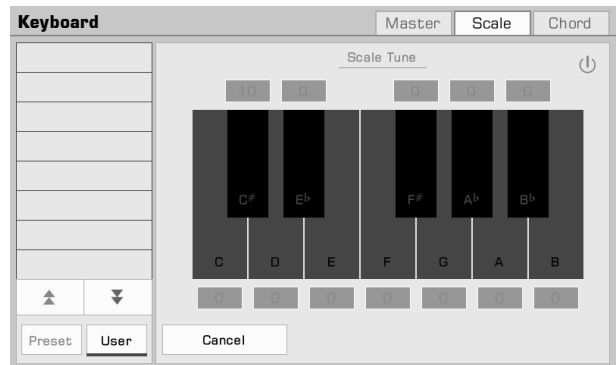
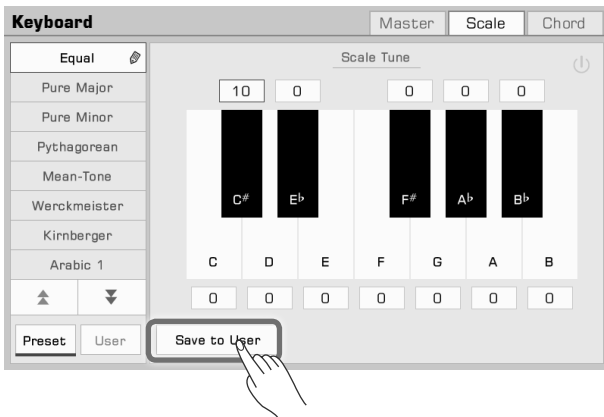
Press the cent value above or below the key to bring up the adjustment knob. Press the arrows, or use the [DATA DIAL] or [←/→] buttons to adjust the cent value of each note in the octave.



Saving and Using Special Scales

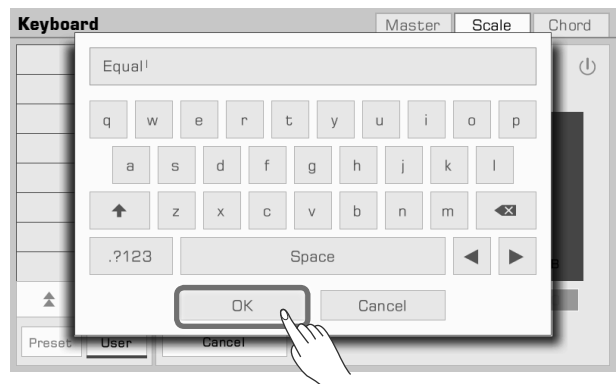
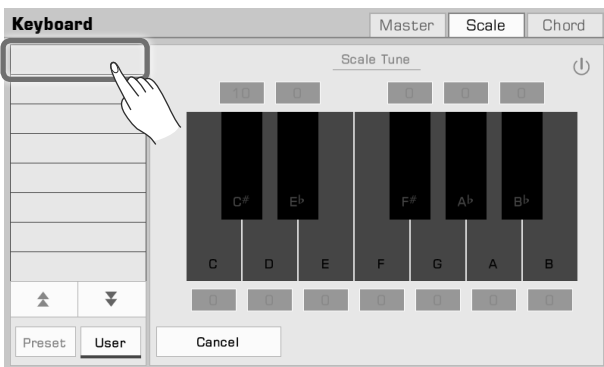
Save your custom scale as a User Scale.

1. After modifying a preset scale, press “Save to User” to bring up the User Scale list.



2. Save your scale to a specific location in the list.

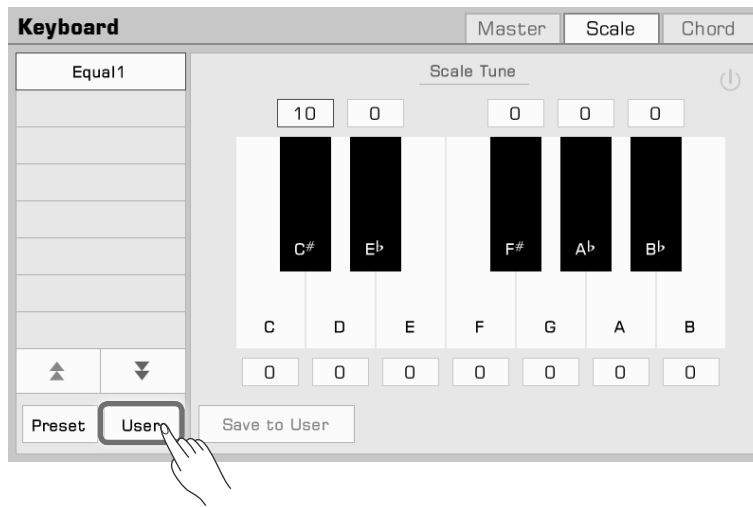
Press any location in the list to bring up the soft keyboard. Enter the name of the custom scale and press “OK” to save and exit.



The instrument can hold up to 30 User Scales. You can use arrow buttons to scroll the pages.

Scale Tuning

3. Press the “User” button to switch to the User Scale list. Select a User Scale to apply your customized scale tuning.



Expand the features of this instrument with the MIDI function. This section will briefly explain what MIDI is, what MIDI does, and how to use MIDI on this instrument.

MIDI Introduction

MIDI is an abbreviation of Musical Instrument Digital Interface. Is the industry standard for musical data transmission.

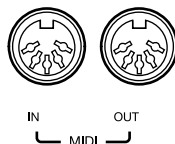
Electronic instruments can use MIDI to communicate with each other by sending and receiving compatible notes, control conversions, program conversions, and various types of MIDI data or messages.

Through MIDI, the instrument can control an external MIDI device and also be controlled by external MIDI devices. Controllable functions include: note on/off, controller, voice, parameter changes and so on.

The MIDI Interface

In order to exchange MIDI messages between different MIDI devices, they need to be connected to each other by MIDI cables.

This instrument has two MIDI ports: MIDI IN and MIDI OUT. The MIDI IN port is used for receiving MIDI messages from a computer. MIDI OUT is used for transmitting messages of this instrument to other MIDI devices.



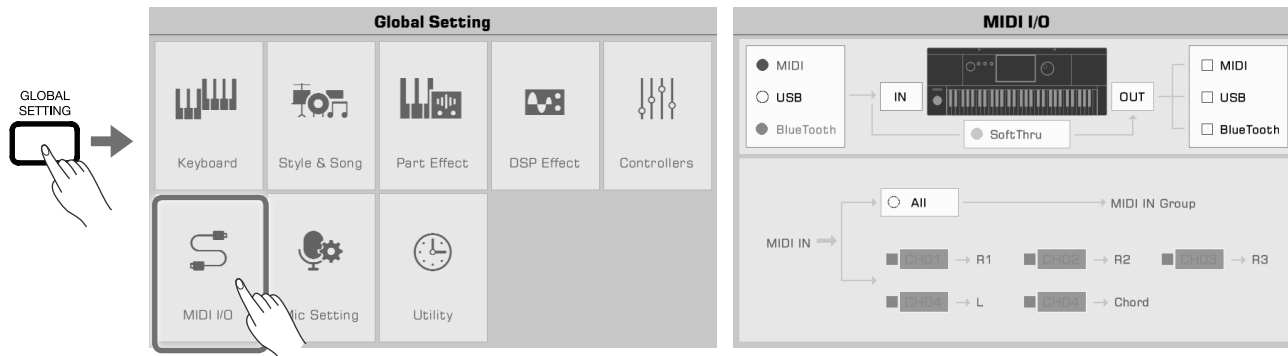
The instrument can also send or receive MIDI signals through the USB TO HOST interface and Bluetooth.

Note! Before connecting this instrument to USB cable, make sure your computer is awake from sleep or standby mode. Connect the USB cable to the instrument and computer before powering on.

MIDI IN Settings

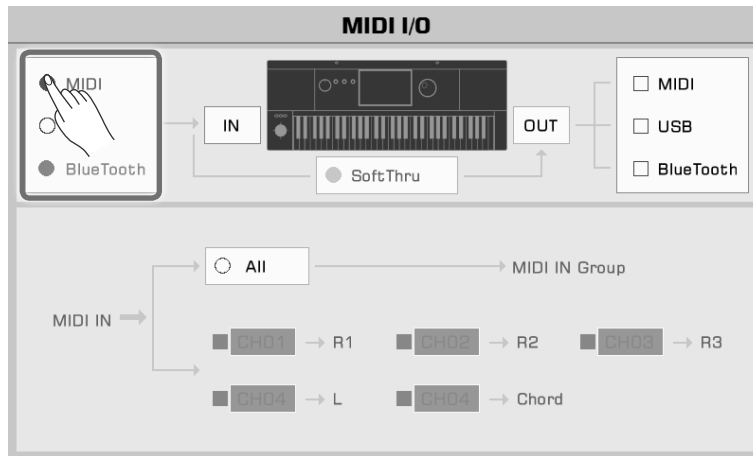
Set up the MIDI IN function of this instrument as follows:

1. Press the [GLOBAL SETTING] button on the panel to bring up the selection menu. Press “MIDI I/O” to enter the MIDI function settings menu.

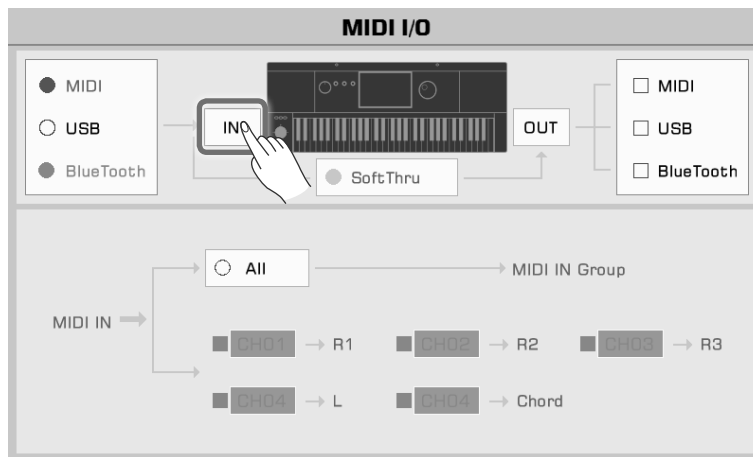


MIDI I/O

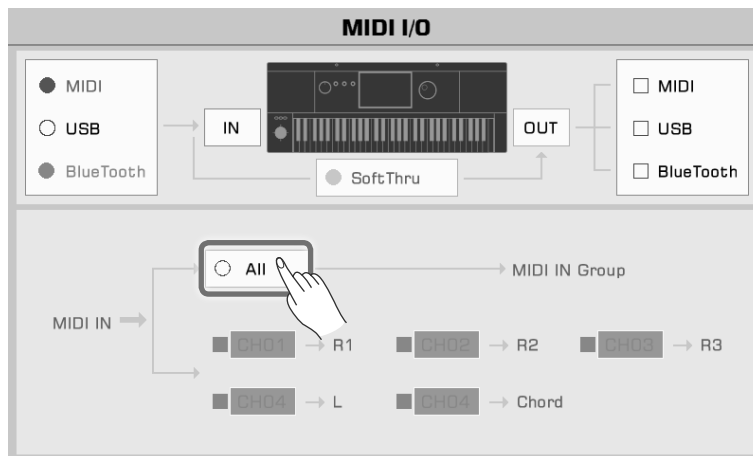
2. Select an interface to receive the MIDI messages from the three options on the left.



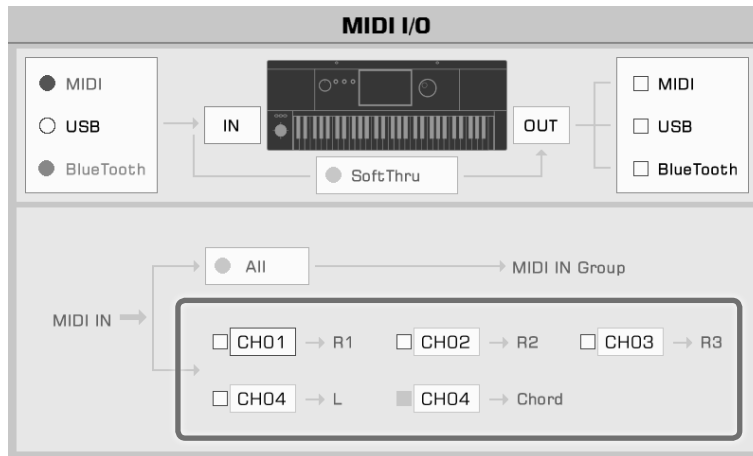
To set the detailed MIDI IN settings for the keyboard channel, press the “IN” button to bring up the settings menu.



Press “All” to turn it on and all MIDI messages can be sent to the MIDI IN Group.



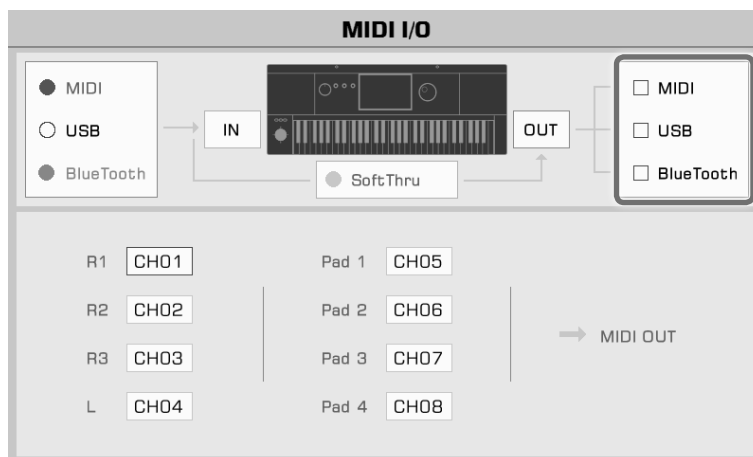
You can also send MIDI messages from the specified MIDI IN channel to a corresponding keyboard channel. The option to the left of the Part name controls whether MIDI IN notes make a sound. When an option to the left of the Chord is turned on, the input note in the specified channel can be detected as a chord.



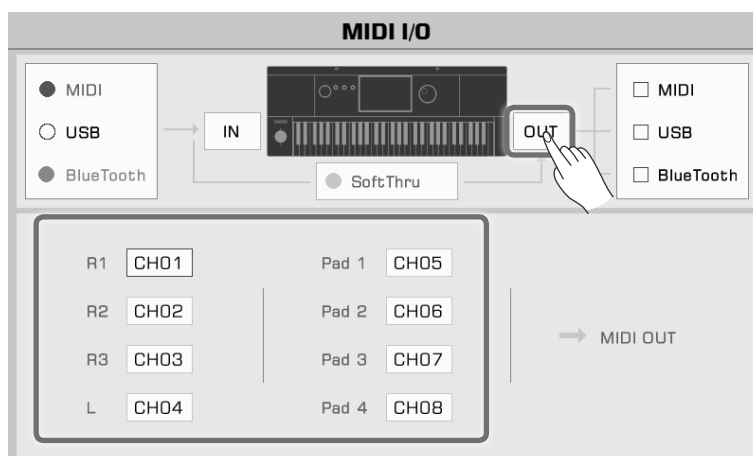
MIDI OUT Settings

Set up the MIDI OUT function of this instrument as follows:

Select an interface to send the MIDI messages from the three options on the right.

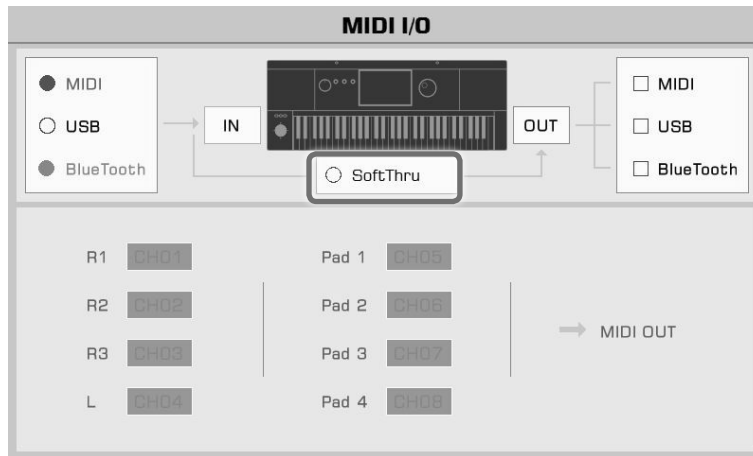


To set the detailed MIDI OUT settings for the keyboard channel, press the “OUT” button to bring up the settings menu. Press the channel number to the right of the Part or Pad name to select the MIDI output channel.



MIDI I/O

When Soft Thru is turned on, the MIDI input signal received by the instrument will be automatically forwarded, so that one MIDI sending device can be connected to multiple MIDI receiving devices.



USB Storage Devices

Connect a USB storage device to the instrument to save all kinds of data and files you created on the instrument. You can also read data from USB storage devices or import data and files to the instrument. You can also record your performance directly into the USB storage device with the audio recording function.

USB Storage Device Compatibility

This instrument supports the USB storage device format FAT 32.

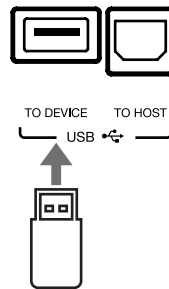
Capacity: Up to 128G

Note!	To prevent your data from being damaged or lost, please use a USB device produced by a trusted manufacturer. The USB to Device interface cannot connect to other USB devices such as USB hubs, smart phones, computer keyboards, electronic game consoles, etc.
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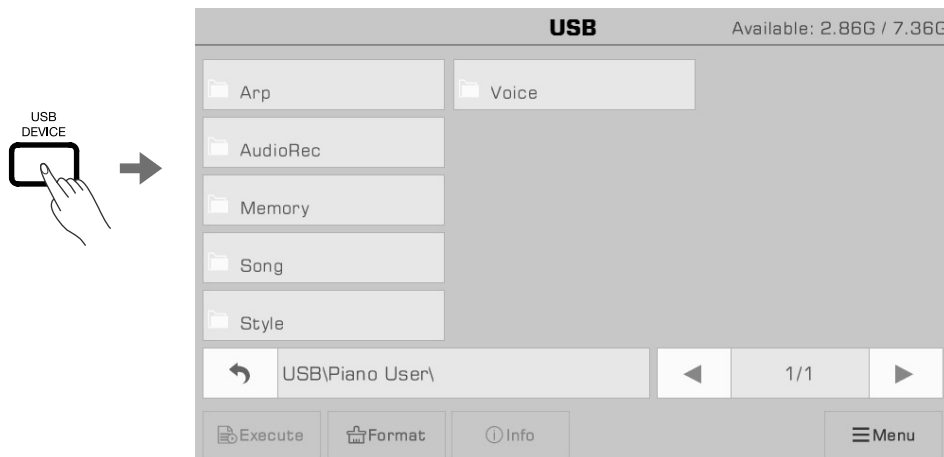
File Operations

Open the USB storage device menu as follows.

1. Insert a USB storage Device into the [USB Device port] on the instrument back panel.



2. Press the [USB DEVICE] button on the front panel to bring up the menu. Now, the interface will display the files and folders in the root directory of USB storage device.

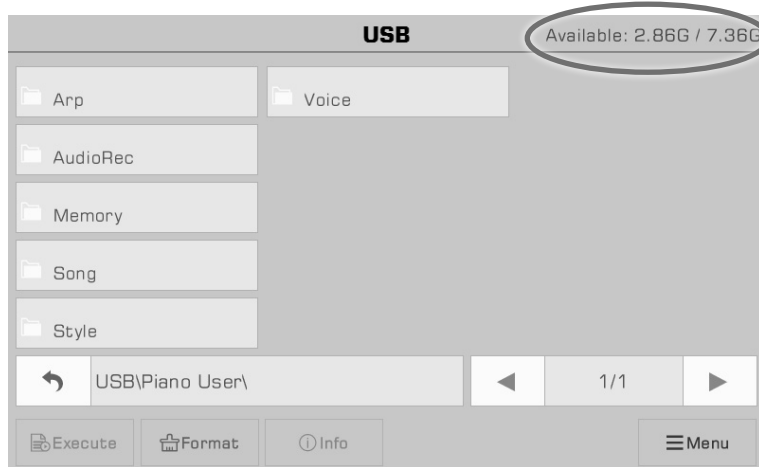


Tips!	In other file selection menus, other User Files in the USB storage device will also be displayed. These can be saved, renamed, deleted and so on. If you save an edited file to the USB storage device, the instrument's system will automatically create a folder called "Piano User" under the device root directory. Your music data will be stored in this folder.
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USB Storage Devices

View USB Storage Device Usage

The connected USB storage device capacity will be displayed at the top. Makes sure your storage device has sufficient space.



Formatting a USB Storage Device

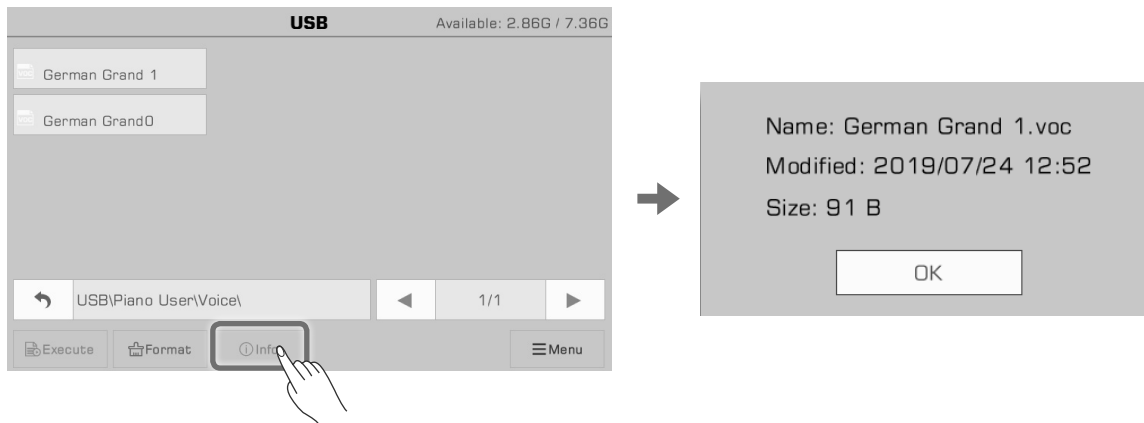
We recommend using this instrument to format a USB storage device before you use it. Press "Format" to bring up a pop up asking if you want to format the USB device. Press "OK" to confirm.



Note! Formatting a USB device will permanently delete all its data. Before formatting, please make sure there is nothing on the device you need saved.

View File Information

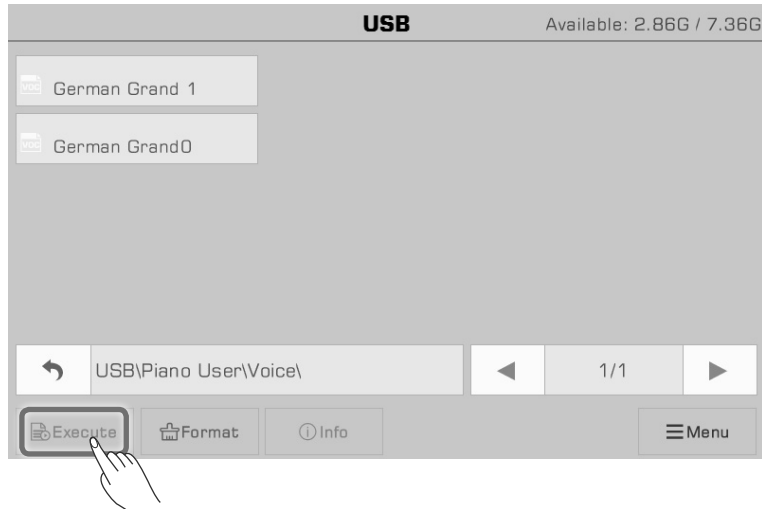
Press "Information" to view the information of the currently selected file.



Execute Files

Press “Execute” to run the file according to its specific type.

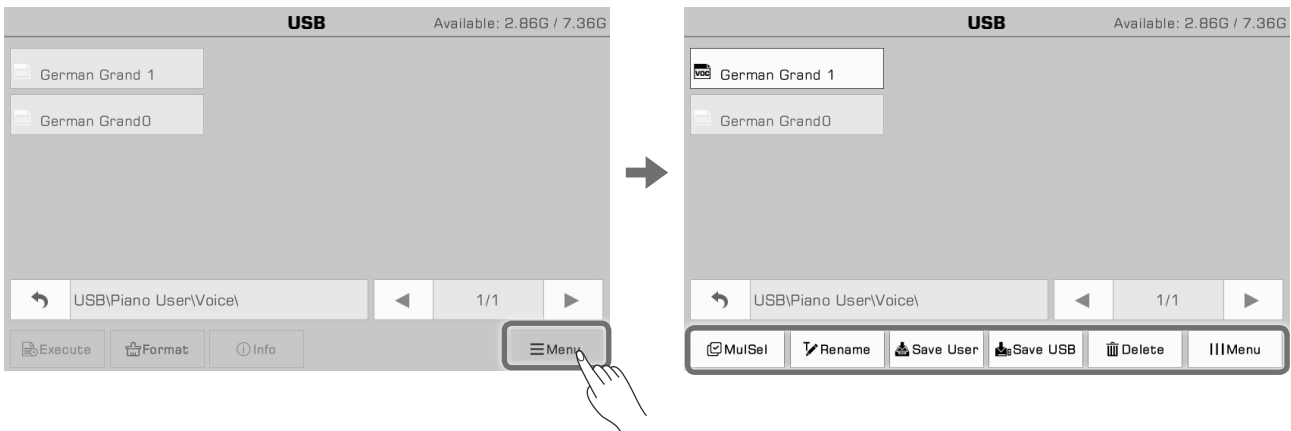
For example, select a Voice file and execute, and the Voice will be applied.



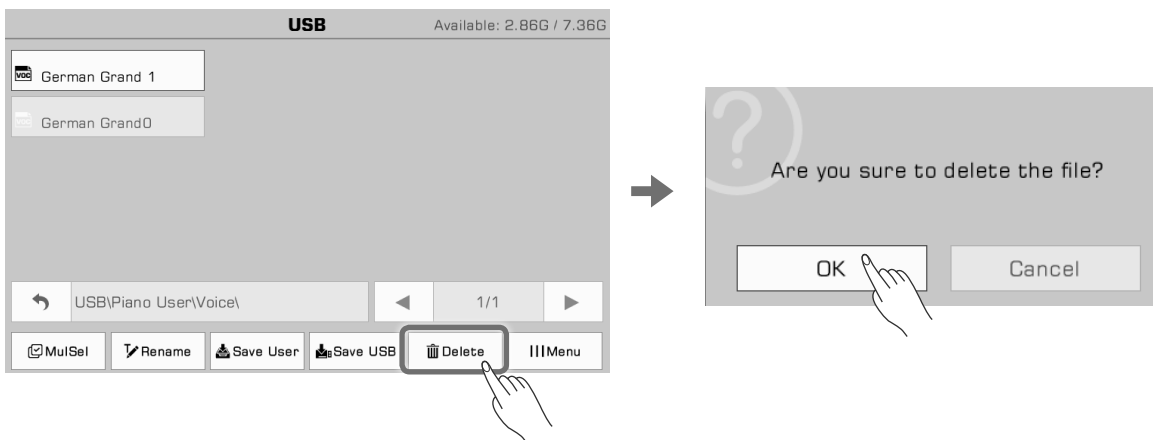
Saving, Deleting, and Renaming Files

Files in the USB storage device may be deleted, renamed, or saved to the User File directory or USB storage device.

1. Press the “Menu” icon to bring up the function selection bar.



2. Press the “Delete” icon and then “OK” in the pop up window to delete the currently selected file.

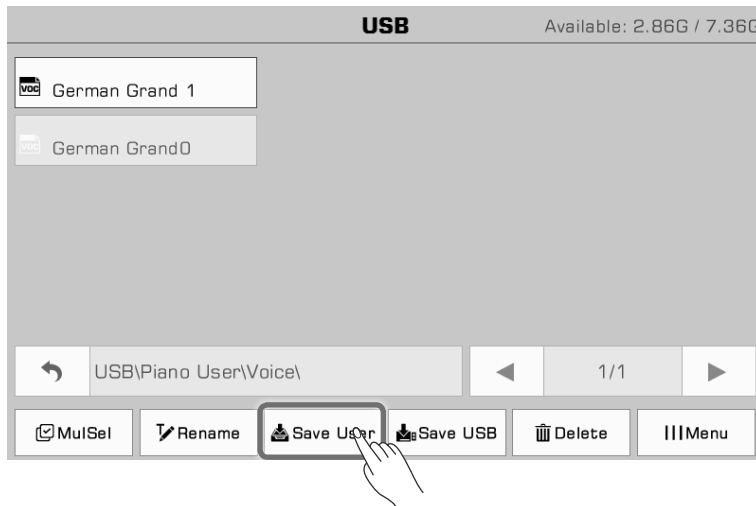


USB Storage Devices

3. Press the “Rename” icon to bring up the soft keyboard. Enter a new name and press “OK” to rename the selected file.



4. Press the “Save User” icon to bring up the soft keyboard. Enter a new file name and save the file to the User File directory.
The storage path depends on the format and type of file.



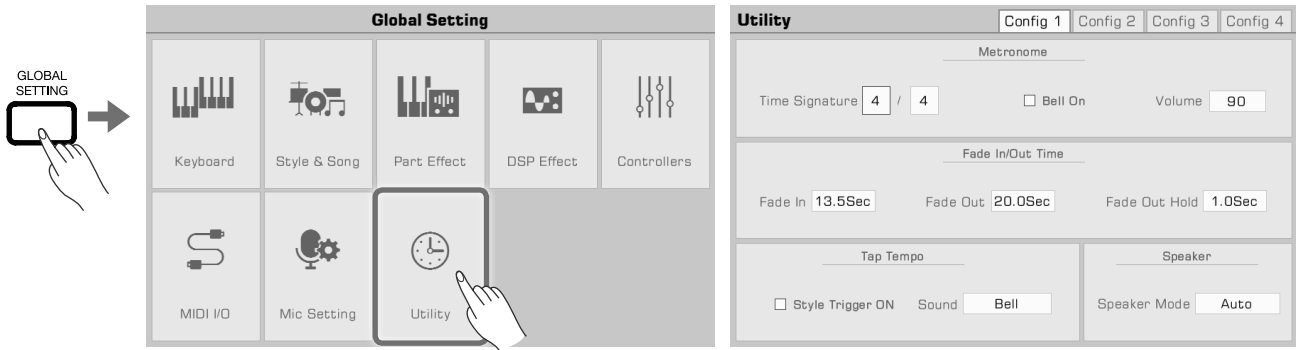
5. Press the “Save USB” icon to bring up the soft keyboard. Enter a new file name and press “OK” to save the file to a specific directory on your USB storage device.
The storage path depends on the format and type of file.



Note! Do not disconnect the USB device during data transmission, formatting, file execution or any other operation. Do not disconnect the instrument power supply. Make sure your USB storage device is not write protected.

The instrument Utility Settings can be adjusted as follows:

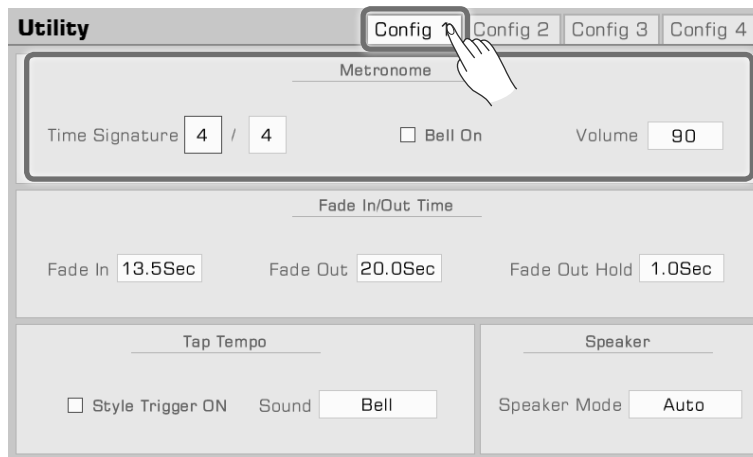
Press the [GLOBAL SETTING] button on the panel to bring up the selection menu. Then press “Utility” to enter the settings menu.



Basic Playing Settings

Metronome Settings

Using a Metronome can help you keep a steady tempo while playing. Press the “Config 1” tab in the Utility menu.



Adjust three metronome features:

Time Signature	The numerator represents how many beats in each bar. The denominator represents note value of each beat.
Bell ON/OFF	Turn the bell sound of the downbeat on or off.
Volume	Adjust the metronome volume.

Tips!	When the metronome is turned on during Style or Song playback, the time signature will be synced to the time signature of the Style or Song.
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Utility Settings

Fade In/Out Settings

The screenshot shows the 'Utility' settings screen with four configuration tabs (Config 1 to Config 4). The 'Metronome' section is at the top, showing 'Time Signature' as 4/4, a 'Bell On' checkbox, and 'Volume' set to 90. Below this is the 'Fade In/Out Time' section, which is highlighted with a red rectangular box. It contains three input fields: 'Fade In' set to 13.5Sec, 'Fade Out' set to 20.0Sec, and 'Fade Out Hold' set to 1.0Sec. At the bottom, there are two sections: 'Tap Tempo' with a 'Style Trigger ON' checkbox and 'Sound' set to 'Bell', and 'Speaker' with 'Speaker Mode' set to 'Auto'.

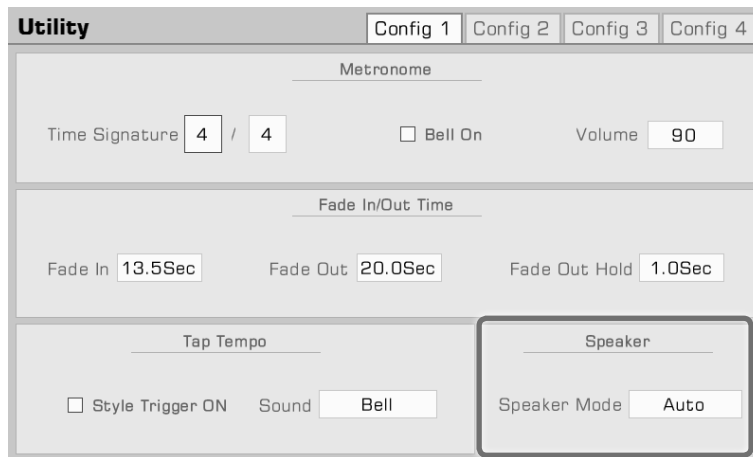
Fade in time	Sets how long the volume takes to go from minimum to maximum.
Fade out time	Sets how long the volume takes to go from maximum to minimum.
Fade out hold time	Sets how long it remains after volume reduce to 0.

Tap Tempo Settings

This screenshot is identical to the one above, showing the 'Utility' settings screen. However, the 'Tap Tempo' section is highlighted with a red rectangular box. This section includes a 'Style Trigger ON' checkbox and a 'Sound' dropdown menu currently set to 'Bell'. The 'Speaker' section below it remains 'Speaker Mode' set to 'Auto'.

Style Trigger	Turn the Style trigger function on/off.
Tap Tempo Sound	Select a Tap Tempo sound.

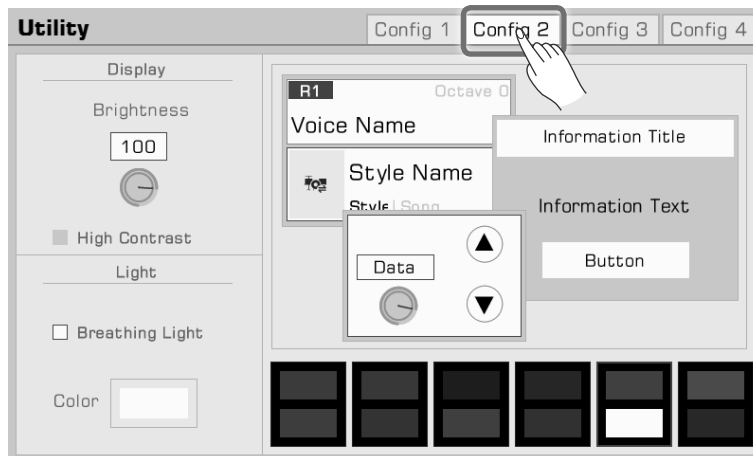
Speaker Mode Settings



Always On	Sets the speaker Always On.
Always Off	Sets the speaker Always Off.
Auto	When headphones are connected, the speaker will go off automatically.

Display Theme Settings

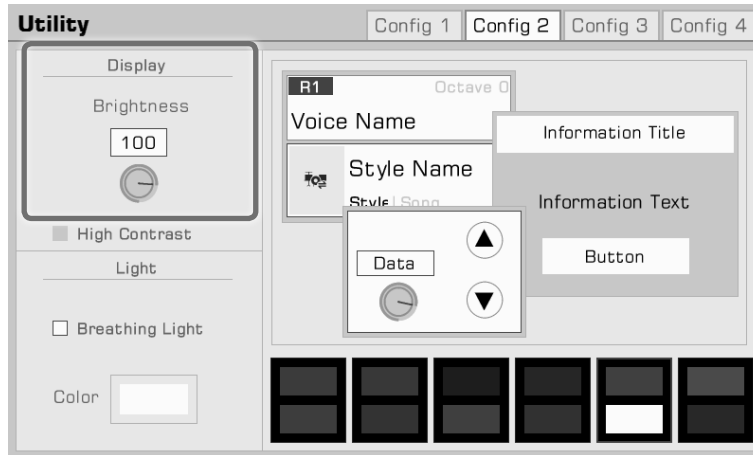
Set the instrument display theme by pressing the "Config 2" tab in the "Utility" menu.



Utility Settings

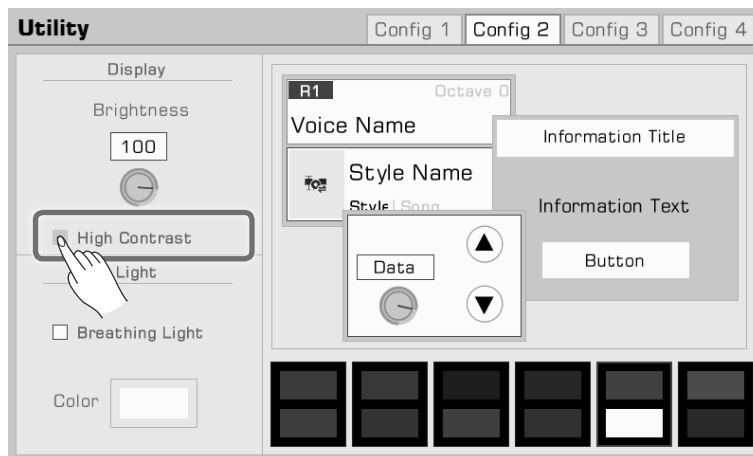
Adjusting Display Brightness

Press the screen brightness value to adjust brightness of the instrument. Adjust the screen brightness to suit performance in very dark or very bright venues.



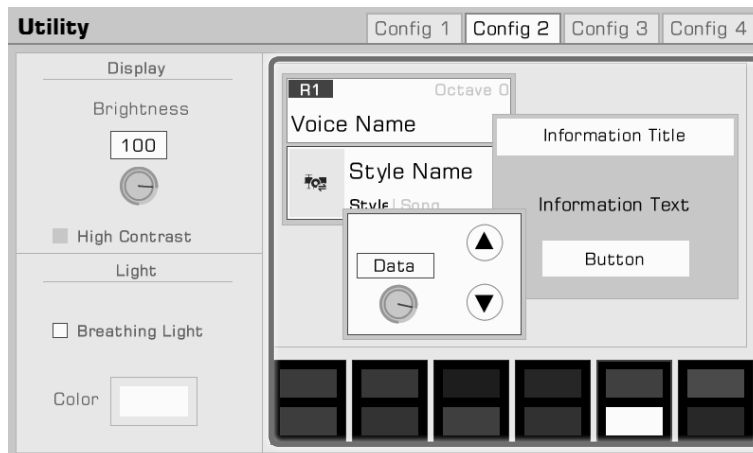
Selecting High Contrast Mode

This instrument has a high contrast display mode to accommodate players with amblyopia. Press the option to turn on the high contrast display mode.



Change Theme Color

This instrument has different themes of various styles and color assortments. After changing the theme, the color of the LED light on the panel and the breathing light on the left and right sides will present completely different colors. Press the color scheme to change the theme. This menu allows you to preview the main screen display effect.



System Settings

Press the “Config 3” tab to adjust other instrument system settings.

The screenshot shows the 'Utility' settings page with four tabs: 'Config 1', 'Config 2', 'Config 3', and 'Config 4'. The 'Config 3' tab is selected and highlighted with a hand cursor. The interface is divided into several sections:

- Date & Time:** Year (2019), Month (7), Day (24), Hour (13), Minute (13).
- Power:** Auto Power OFF (30Min).
- Language:** System Language (English).
- Name:** Owner Name (Owner Name), Device Name (Keyboard_1547).
- System Reset:** To Factory Preset, Clean User Data.

Date & Time

Set the year, month, day, hour, and minute.

This screenshot is identical to the previous one, but a black rectangular box highlights the 'Date & Time' section, which includes the Year (2019), Month (7), Day (24), Hour (13), and Minute (13) input fields.

Auto Power Off

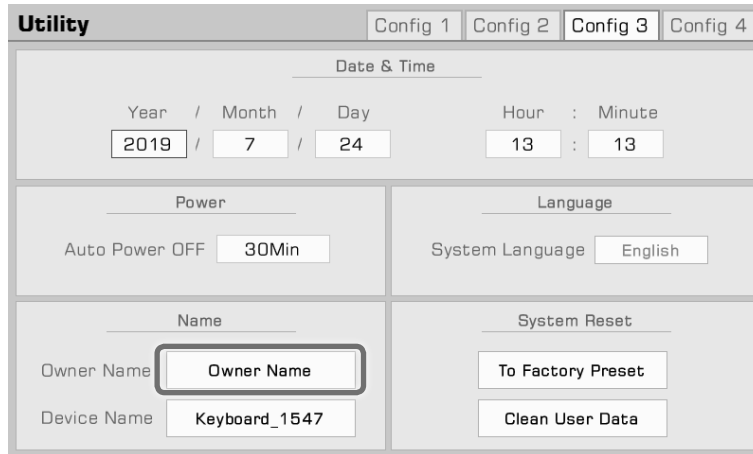
Adjust the Auto Power Off function to set the time that the instrument will automatically power off after it is not operated. Set the time for 30 minutes, 60 minutes, or never.

This screenshot is identical to the previous ones, but a black rectangular box highlights the 'Power' section, specifically the 'Auto Power OFF' field which is currently set to '30Min'.

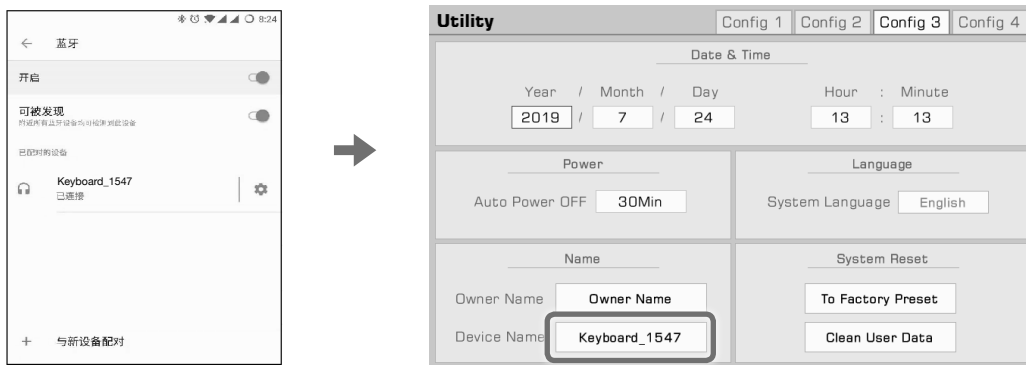
Utility Settings

Modify User and Device Name

Change the instrument owner's name here. Press the default name and change it using the soft keyboard.



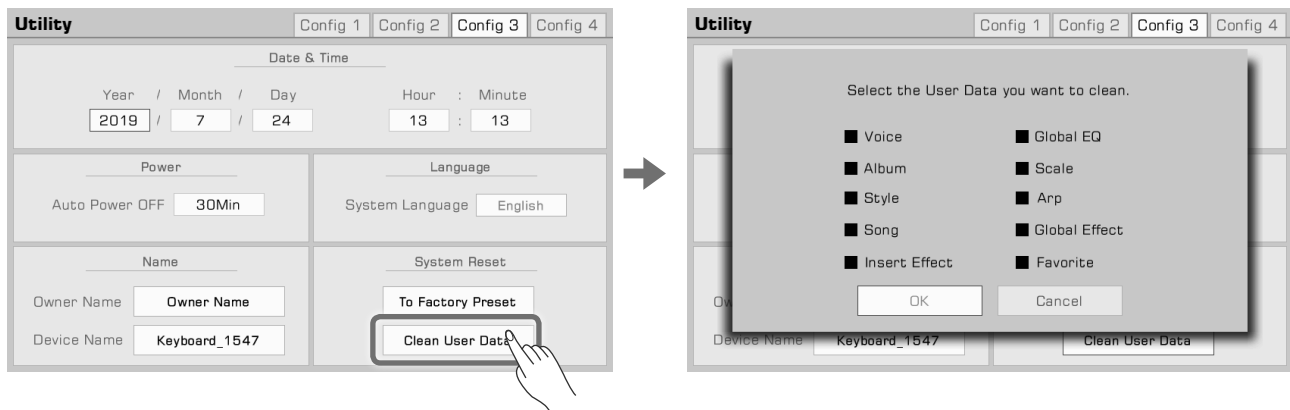
You can also modify the instrument's device name. This name will be searched as the Bluetooth device name when your smart phone, computer, and other devices scan devices to establish a Bluetooth connection with this instrument.



Clear User Data

To clear instrument user data, press "Clear User Data" to bring up a selection pop up. Select the data you wish to clear and press "OK" to confirm.

The cleared user data will be permanently deleted and cannot be restored.



Troubleshooting

Problem	Possible Cause and Solution
The speakers produce a “pop” sound whenever the power is turned ON or OFF.	This is normal and is no cause for alarm.
There is no sound when the keyboard is played.	The master volume may be set too low. Please adjust it to the appropriate level.
	The speaker mode may be set as “Always OFF”.
	The volume of individual parts may be set too low. Please adjust them to an appropriate level.
	The [Fade In/Out] switch may be turned on. Please turn it off.
	All the keyboard part switches may be turned off. Please turn on at least one part.
The playing channel may be muted. Please enter the mixer interface menu to turn on it.	
There is noise from the instrument.	Using a mobile phone in close proximity to the instrument may produce interference. To prevent this, please use it further away from the instrument.
The sound is distorted or noisy.	Some settings related to volume may not be adjusted properly. Please check and adjust them.
	Some effects parameters may be not set to reasonable values. Please check and make adjustments.
	Some effects will produce noise when adjusted. This is normal and is no cause for alarm.
No sound after selecting a voice in the selection menu.	Check if the voice of the corresponding part is selected and the part switch is turned on.
Different keys have similar pitch or sound when some Voices are selected.	This is normal and is no cause for alarm.
No sound after pressing [START/STOP] to start Style playback.	A piano style may be selected. Pressing [START/STOP] will play a percussion channel first, but piano style doesn't have a percussion channel.
No response after pressing “Cancel” chord in the chord area.	Check whether the current chord playing mode has been set to “multi-fingered”. Cancel and Cancel 2 can only be triggered in this mode.
The Vocal Harmony sounds out of tone or distorted.	When the song is playing, it may be because the microphone is too close to the speaker or other sounds nearby are being input into the microphone. Please try to adjust.
The sustain pedal is connected but there is no sustain effect when the pedal is used.	Try to turn the instrument off and turn on it again while stepping the sustain pedal. It is recommended to use the official standard pedal.

Specifications

Keyboard:	61 Electronic Organ Keys with Touch Response
Touch Response:	Soft1.2.3 / Normal 1.2 / Hard1.2.3
Display:	7" TFT, 800×480 colored TFT LCD with Touch Screen Theme and brightness setting
Polyphony:	256
Voices:	1100 Voices, 45 Drum Kits, 100 Acoustic Expression Voices 256 GM2 Voices, 9 Creative Expression Voices 512 User Voices Edit Function
Keyboard Part:	Left / Right 1 / Right 2 / Right 3
DSP Effects:	Channel EQ 45 Reverb + 76 Chorus + 20 User Reverb + 20 User Chorus 48 Insert Effects + 20 User Insert Effects 5 Global EQ + 10 User EQ Compressor 3 Vocoder 3 Vocal Harmony
Part Effects:	13 Harmony + 4 Echo + 4 Tremolo + 4 Trill 6 Basic Arpeggio + 100 Arpeggio Patterns + 512 User Patterns 5 Real-time Slicer + 15 Slicer Patterns
Chord:	39 Chord Types Fingered, Multi Fingered, Bass Invert, Smart Full Keyboard Chord Dictionary
Style:	280 Preset + 512 User
Style Control:	Style Select, Start/Stop, Sync Start, Sync Stop Intro × 3 + Fill in × 4 + Main Variation × 4 + Ending × 3 + Break × 1 A.B.C., Auto Fill In, O.T.S./O.T.S.Link, Fade In/Fade Out
O.T.S.:	4 for each Style
Style Recording:	8 Tracks Real-time Recording, Track Edit and Quantize, Notes Edit, O.T.S. Setting
Song:	90 Preset + 512 User Support SMF(0, 1) / MP3 / WAV / AAC (.m4a) format
Song Control:	Song Select, Start/Stop, Pause, FF, REW
Song Recording:	16 Tracks, Quick Recording, Multi Recording, Track Edit and Quantize 512 Songs × 20000 Events
Album:	50 Preset + 512 User Album
Audio Recording:	WAV (44.1Hz, 16bit, Stereo), MP3
Audio Playback:	Support WAV / MP3 / AAC(. m4a) format Vocal Remover, Tempo change ±30%, Transpose -5~+6 semitones
Demo:	3
Phrase Pad:	4 Phrase Pad × 180 Banks
Tempo Range:	30~280, Tap Tempo
Scale Setting:	Transpose, Octave, Tuning, 9 Scale Tuning + 30 User
Performance Memory:	8 × 512 Banks (M1~M8) , Freeze

Specification

Real-time Controllers:	3 Assignable Knobs, 2 Assignable Pedal, Assignable Joystick (Pitch Bend, Modulation), 3 Assignable Buttons
Mixer:	Master Volume , Channel Volume, Pan, Track Mute or Solo
Other Controllers:	Volume Knob, Date Dial, </> Button, Exit, Transpose+/-, Octave+/-, Vocal Effect, Part Effect, Insert Effect, Sustain, Mono, Voices, Part Switch, O.T.S., Global Setting, Mixer Console, Short Cut, Tempo+/-, Metronome, Tap Tempo
Internal Storage:	Save User Voices and Memory etc
USB Storage Device:	Save User Data (User Voices ,User Songs, Memory etc) Play User Songs (SMF(0, 1), MP3 / WAV / AAC(.m4a))
Connectivity:	Headphone, 2 AUX IN (L, R), 2 LINE OUT (L/L+R,R), MIC IN, Sustain Pedal (Assignable), Expression Pedal (Assignable), USB to Device, USB to Host, MIDI IN, MIDI OUT, BlueTooth 4.0, A2DP & BLE MIDI Profile
Other Setting:	Metronome, Fade In/Out, Tap Tempo, Speak Mode, Date & Time, Auto Power Off, Restore to Factory Preset, Clean User Data, Brightness Control, Theme
Software & APP:	Grand Suite
Power:	AC IN (100~240V)
Speakers:	15w+15w, 25w+25w
Dimensions:	1007 (Width) × 392 (Depth) × 130 (Height)mm
Weight:	9.4KG

Voice List

	Bank MSB	Bank LSB	Program	Full Name	Short Name
Piano					
1	121	10	0	German Grand Piano 1	German Grand 1
2	121	11	0	German Grand Piano 2	German Grand 2
3	121	11	1	Real Bright Piano	Real Bright Pno
4	121	12	0	Mellow Grand Piano	Mellow Piano
5	121	12	1	Rock Piano	Rock Piano
6	121	11	3	Real Honky Tonk	Real Honky Tonk
7	121	15	0	Octave Grand Piano 1	Octave Piano 1
8	121	16	0	Octave Grand Piano 2	Octave Piano 2
9	121	13	0	Live Grand Piano	Live Grand Piano
10	121	10	1	Bright Grand Piano	Bright Grand Pno
11	121	14	0	Warm Grand Piano	Warm Grand Pno
12	121	14	1	Octave Bright Piano 1	Oct Bright Pno 1
13	121	15	1	Octave Bright Piano 2	Oct Bright Pno 2
14	121	10	3	Live Honky Tonk	Live HonkyTonk
15	121	10	6	Real Harpsichord	Real Harpsichord
16	121	11	6	Octave Harpsichord 1	Octave Harpsi 1
17	121	0	6	Live Harpsichord	Live Harpsichord
18	121	10	2	CP Electric Piano 1	CP E.Piano 1
19	121	0	2	CP Electric Piano 2	CP E.Piano 2
20	121	13	1	Pop Piano	Pop Piano
21	121	17	0	Piano & Strings	Piano&Strings
22	121	18	0	Piano & Pad	Piano&Pad
23	121	19	0	Piano & Choir	Piano&Choir
24	121	16	1	Piano & EP 1	Piano&EP 1
25	121	17	1	Piano & EP 2	Piano&EP 2
26	121	12	2	Ballad Electric Piano	Ballad E.Piano
27	121	12	6	Octave Harpsichord 2	Octave Harpsi 2
28	121	13	6	Harpsichord & Strings	Harpsi&Strings
29	121	11	2	CP Electric Piano 3	CP E.Piano 3
E.Piano					
30	121	10	4	Vintage Electric Piano 1	Vintage EP 1
31	121	11	5	Dream Electric Piano 1	Dream E.Piano 1
32	121	10	5	Classic Electric Piano	Classic EP
33	121	0	5	Japanese Electric Piano	Japanese EP
34	121	3	4	60's Electric Piano 1	60's E.Piano 1
35	121	12	5	Modern Electric Piano 1	Modern EP 1
36	121	11	4	Jazz Electric Piano 1	Jazz E.Piano 1
37	121	13	5	Cool Electric Piano 1	Cool E.Piano 1
38	121	12	4	Cool Electric Piano 2	Cool E.Piano 2
39	121	13	4	Phase Electric Piano	Phase E.Piano
40	121	14	4	Vintage Electric Piano 2	Vintage EP 2
41	121	15	4	Funk Electric Piano 1	Funk E.Piano 1
42	121	16	4	Jazz Electric Piano 2	Jazz E.Piano 2
43	121	17	4	60's Electric Piano 2	60's E.Piano 2
44	121	18	4	Tremolo EP 1	Tremolo EP 1
45	121	19	4	Funk Electric Piano 2	Funk E.Piano 2
46	121	20	4	Standard Electric Piano	Standard EP
47	121	21	4	Vintage Electric Piano 3	Vintage EP 3
48	121	3	5	Dream Electric Piano 2	Dream E.Piano 2
49	121	14	5	Modern Electric Piano 2	Modern EP 2

Voice List

50	121	22	4	Tremolo EP 2	Tremolo EP 2
51	121	2	5	Super Electric Piano	Super E.Piano
52	121	10	7	Stereo Clavi	Stereo Clavi
53	121	11	7	Phase Clavi	Phase Clavi
54	121	0	7	Classic Clavi	Classic Clavi
55	121	1	7	Wah Clavi 1	Wah Clavi 1
56	121	12	7	Chorus Clavi	Chorus Clavi
57	121	13	7	Wah Clavi 2	Wah Clavi 2
58	121	30	4	Massiness Electric Piano	Massiness EP
59	121	31	4	Wah Electric Piano	Wah E.Piano
60	121	32	4	Bright Electric Piano	Bright E.Piano
61	121	34	4	Wire Electric Piano	Wire E.Piano
62	121	35	4	Aah Electric Piano	Aah E.Piano
63	121	37	4	Modern Jazz Electric Piano	Modern Jazz EP
64	121	30	5	Jump Electric Piano	Jump E.Piano
65	121	31	5	Warm Jump Electric Piano	Warm Jump EP
66	121	32	5	Metallic Electric Piano 1	Metallic EP 1
67	121	33	5	Metallic Electric Piano 2	Metallic EP 2
68	121	35	5	Pop Electric Piano	Pop E.Piano
69	121	36	5	Crystal Electric Piano	Crystal E.Piano
70	121	37	5	Crystal Jazz Electric Piano	Crystal Jazz EP
71	121	30	7	Rock Electronic Clavi	Rock Elec Clavi
72	121	31	7	Jazz Electronic Clavi	Jazz Elec Clavi
73	121	32	7	Pop Electronic Clavi	Pop Elec Clavi
74	121	33	7	Aah Electronic Clavi	Aah Elec Clavi
75	121	34	7	Bright Electronic Clavi	Brt Elec Clavi
76	121	35	7	Warm Electronic Clavi	Warm Elec Clavi
77	121	36	7	Echo Electronic Clavi	Echo Elec Clavi
78	121	37	7	Dark Electronic Clavi	Dark Elec Clavi
Organ					
79	121	0	16	Stereo Drawbar Organ	Stereo Draw Org
80	121	0	17	Classic Percussive Organ	Classic Perc Org
81	121	13	18	Stereo Rock Organ	Stereo Rock Org
82	121	0	19	Real Church Organ	Real Church Org
83	121	11	18	Power Rotary Organ	Power Rotary Org
84	121	2	17	Stereo Percussive Organ	Stereo Perc Org
85	121	1	19	Octave Church Organ	Oct Church Org
86	121	10	16	Fusion Organ 1	Fusion Organ 1
87	121	2	19	Cool Church Organ	Cool Church Org
88	121	1	17	Cool Percussive Organ	Cool Prec Organ
89	121	0	18	Live Rock Organ	Live Rock Organ
90	121	12	18	Rotary Organ 1	Rotary Organ 1
91	121	10	19	Wide Church Organ	Wide Church Org
92	121	11	17	Pop Organ	Pop Organ
93	121	10	17	Jazz Organ 1	Jazz Organ 1
94	121	10	18	Cool Rock Organ 1	Cool Rock Org 1
95	121	15	18	Rotary Organ 2	Rotary Organ 2
96	121	11	16	Electronic Organ	Electronic Organ
97	121	1	16	Live Drawbar Organ	Live Draw Organ
98	121	2	16	Jazz Organ 2	Jazz Organ 2
99	121	14	18	Cool Rock Organ 2	Cool Rock Org 2
100	121	12	17	Live Percussive Organ	Live Perc Organ

Voice List

101	121	12	16	Classic Drawbar Organ	Classic Draw Org
102	121	13	16	Bright Drawbar Organ	Bright Draw Org
103	121	14	16	60's Organ	60's Organ
104	121	3	16	Cool Drawbar Organ	Cool Draw Org
105	121	11	19	Vintage Organ 1	Vintage Organ 1
106	121	12	19	Vintage Organ 2	Vintage Organ 2
107	121	13	19	Live Church Organ	Live Church Org
108	121	15	16	Mellow Organ 1	Mellow Organ 1
109	121	16	16	Mellow Organ 2	Mellow Organ 2
110	121	17	16	Fusion Organ 2	Fusion Organ 2
111	121	18	16	Fusion Organ 3	Fusion Organ 3
112	121	19	16	Organ 1	Organ 1
113	121	20	16	Organ 2	Organ 2
114	121	21	16	Organ 3	Organ 3
115	121	0	20	Real Reed Organ	Real Reed Organ
116	121	1	20	Cool Puff Organ	Cool Puff Organ
117	121	30	16	Dark Drawbar Organ	Dark Drawbar Org
118	121	31	16	Soft Drawbar Organ	Soft Drawbar Org
119	121	32	16	Soft 60's Organ	Soft 60's Organ
120	121	33	16	Bright 60's Organ	Bright 60's Org
121	121	34	16	Detuned Classic Organ	Det Classic Org
122	121	35	16	Mellow Rotary Organ	Mellow Rotary
123	121	36	16	Dark Rotary Organ	Dark Rotary
124	121	37	16	Bright Rotary Organ	Bright Rotary
125	121	30	17	Bright Percussive Organ	Bright Perc Org
126	121	31	17	Jazz Percussive Organ	Jazz Perc Organ
127	121	32	17	Rock Percussive Organ	Rock Perc Organ
128	121	33	17	Octave Percussive Organ	Octave Perc Org
129	121	34	17	Mellow Percussive Organ	Mellow Perc Org
130	121	35	17	Puff Percussive Organ	Puff Perc Organ
131	121	36	17	Pop Percussive Organ	Pop Perc Organ
132	121	37	17	Reed Percussive Organ	Reed Perc Organ
133	121	30	18	60's Rock Organ	60's Rock Organ
134	121	31	18	Dark Rock Organ	Dark Rock Org
135	121	32	18	Mellow Rock Organ	Mellow Rock Org
136	121	33	18	Soft Rock Organ	Soft Rock Org
137	121	34	18	Reed Rock Organ	Reed Rock Org
138	121	35	18	Rotary Rock Organ	Rotary Rock Org
139	121	36	18	Wah Rock Organ	Wah Rock Org
140	121	37	18	Puff Rock Organ	Puff Rock Org
141	121	30	19	Bright Church Organ	Brt Church Org
142	121	31	19	Dark Church Organ	Dk Church Org
143	121	32	19	Mellow Church Organ	Mel Church Org
144	121	33	19	Vintage Rotary Organ	Vintage Rot Org
145	121	34	19	Vintage Rock Organ	Vintage Rock Org
146	121	35	19	Vintage Pop Organ	Vintage Pop Org
147	121	36	19	Vintage Soft Organ	Vintage Soft Org
148	121	37	19	Vintage Percussive Organ	Vintage Perc Org
149	121	30	20	Dark Reed Organ	Dark Reed Org
150	121	31	20	Jazz Reed Organ	Jazz Reed Org
151	121	32	20	Pop Reed Organ	Pop Reed Org
152	121	34	20	Rock Reed Organ	Rock Reed Org

153	121	35	20	Rotary Puff Organ	Rot Puff Org
154	121	36	20	Jazz Puff Organ	Jazz Puff Org
155	121	37	20	Pop Puff Organ	Pop Puff Org
Accordion					
156	121	10	21	Musette 1	Musette 1
157	121	11	21	Real Accordion	Real Accordion
158	121	10	22	Sweet Harmonica	Sweet Harmonica
159	121	11	22	Soft Harmonica	Soft Harmonica
160	121	0	23	Real Tango Accordion	Real Tango Accord
161	121	11	23	Ballroom Accordion	Ballroom Accord
162	121	0	21	Cool Accordion	Cool Accordion
163	121	12	21	Chorus Accordion 1	Chorus Accord 1
164	121	10	23	Solo Accordion 1	Solo Accordion 1
165	121	12	23	Soft Accordion	Soft Accordion
166	121	12	22	Wah Harmonica	Wah Harmonica
167	121	30	21	Dark Musette	Dark Musette
168	121	31	21	Bright Musette	Bright Musette
169	121	32	21	Chorus Musette	Chorus Musette
170	121	33	21	Musette 2	Musette 2
171	121	34	21	Aah & Musette	Aah&Musette
172	121	35	21	Oohs & Musette	Ohs&Musette
173	121	36	21	Oohs & Dark Musette	Ohs&DkMusette
174	121	30	22	Dark Harmonica	Dark Harmonica
175	121	31	22	Bright Harmonica	Bright Harmonica
176	121	32	22	Chorus Harmonica	Chorus Harmonica
177	121	33	22	Wide Harmonica	Wide Harmonica
178	121	34	22	Aah & Harmonica	Aah&Harmonica
179	121	35	22	Oohs & Harmonica	Ohs&Harmonica
180	121	36	22	Oohs & Dark Harmonica	Ohs&DkHarmonica
181	121	36	23	Solo Accordion 2	Solo Accordion 2
182	121	31	23	Bright Accordion	Bright Accordion
183	121	32	23	Chorus Accordion 2	Chorus Accord 2
184	121	33	23	Aah & Accordion	Aah&Accordion
185	121	34	23	Oohs & Accordion	Ohs&Accordion
186	121	35	23	Oohs & Dark Accordion	Ohs&DkAccordion
Guitar					
187	121	10	24	Real Nylon Guitar	Real Nylon Gt
188	121	10	25	Real Steel Guitar	Real Steel Gt
189	121	11	29	Rock Guitar	Rock Guitar
190	121	11	27	Cool Funk Guitar	Cool Funk Guitar
191	121	10	27	Real Clean Guitar	Real Clean Gt
192	121	11	25	Slide Steel Guitar	Slide Steel Gt
193	121	12	27	Slide Clean Guitar	Slide Clean Gt
194	121	2	25	Sweet Mandolin	Sweet Mandolin
195	121	17	27	Cool Lead Guitar	Cool Lead Guitar
196	121	10	30	Power Lead Guitar	Power Lead Gt
197	121	10	26	Real Jazz Guitar	Real Jazz Gt
198	121	13	27	60's Clean Guitar	60's Clean Gt
199	121	12	25	Harmonics Steel Guitar	Harmonics St Gt
200	121	11	24	Harmonics Nylon Guitar	Harmonics Ny Gt
201	121	13	25	12-String Guitar 1	12Str Guitar 1
202	121	10	29	Blues Guitar	Blues Guitar

Voice List

203	121	0	27	Solo Clean Guitar	Solo Clean Gt
204	121	11	30	Guitar Feedback 1	Gt Feedback 1
205	121	12	30	5th Distortion Guitar	5thDistortion Gt
206	121	14	25	Velocity Steel Guitar	Velocity Stel Gt
207	121	14	27	Delay Guitar	Delay Guitar
208	121	15	27	Vintage Guitar 1	Vintage Guitar 1
209	121	11	26	Solo Jazz Guitar	Solo Jazz Gt
210	121	13	30	Rhythm Guitar	Rhythm Guitar
211	121	14	26	Jazz Lead Guitar 1	Jazz Lead Gt 1
212	121	16	27	Vintage Guitar 2	Vintage Guitar 2
213	121	0	26	Jazz Lead Guitar 2	Jazz Lead Gt 2
214	121	18	27	Vintage Guitar 3	Vintage Guitar 3
215	121	16	25	Folk Guitar 2	Folk Guitar 2
216	121	21	27	Chorus Guitar 1	Chorus Guitar 1
217	121	10	28	Solo Muted Guitar	Solo Muted Gt
218	121	1	26	Pedal Guitar	Pedal Guitar
219	121	14	30	Distortion Lead Guitar 1	Dist Lead Gt 1
220	121	19	27	Chorus Guitar 2	Chorus Guitar 2
221	121	22	27	Tremolo Guitar 1	Tremolo Guitar 1
222	121	13	26	Octave Guitar	Octave Guitar
223	121	23	27	Chorus Guitar 3	Chorus Guitar 3
224	121	24	27	Tremolo Guitar	Tremolo Guitar 2
225	121	15	30	Metal Guitar	Metal Guitar
226	121	20	27	Clean Rhythm Guitar	Clean Rhythm Gt
227	121	25	27	Wah Guitar	Wah Guitar
228	121	15	26	Jazz Guitar & EP	JazzGt&EP
229	121	0	30	Distortion Lead Guitar 2	Dist Lead Gt 2
230	121	26	27	12-String Electric Guitar	12Str E.Guitar
231	121	12	29	Guitar Feedback 2	Gt Feedback 2
232	121	15	25	12-String Guitar 2	12Str Guitar 2
233	121	0	28	Muted Rhythm Guitar	Muted Rhythm Gt
234	121	27	27	Funk Guitar	Funk Guitar
235	121	0	29	Overdrive Lead Guitar	Odrive Lead Gt
236	8	1	2	12-String Guitar 3	12Str Guitar 3
237	121	12	24	Nylon Guitar & Acoustic Bass	NyGt&AcBass
238	121	17	25	Steel Guitar & Finger Bass	StelGt&FgBass
239	121	30	25	Chorus Steel Guitar	Chorus Stel Gt
240	121	31	25	Soft Chorus Steel Guitar	Soft Cho Stel Gt
241	121	32	25	Dark Chorus Steel Guitar	Dk Cho Stel Gt
242	121	33	25	Nylon Guitar & Steel Guitar	NyGt&StelGt
243	121	34	25	Jazz Guitar & Steel Guitar	JazzGt&StelGt
244	121	35	25	Distortion Steel Guitar	Dist Stel Gt
245	121	36	25	Dark Steel Guitar	Dark Stel Gt
246	121	37	25	Warm Steel Guitar	Warm Stel Gt
247	121	30	26	Chorus Jazz Guitar	Chorus Jazz Gt
248	121	31	26	Bright Jazz Guitar	Bright Jazz Gt
249	121	32	26	Overdrive Jazz Guitar	Odrive Jazz Gt
250	121	33	26	Distortion Jazz Guitar	Dist Jazz Gt
251	121	34	26	Overdrive Octave Guitar	Odrive Octave Gt
252	121	35	26	Wah Octave Guitar	Wah Octave Gt
253	121	36	26	Jazz Octave Guitar	Jazz Octave Gt
254	121	37	26	Chorus Octave Guitar	Cho Octave Gt

Voice List

255	121	30	27	Chorus Vintage Guitar	Cho Vintage Gt
256	121	31	27	Vintage Funk Guitar	Vintage Funk Gt
257	121	32	27	Overdrive Funk Guitar	Odrive Funk Gt
258	121	33	27	Chorus Wah Guitar	Chorus Wah Gt
259	121	34	27	Clean Vintage Guitar	Clean Vintage Gt
260	121	35	27	Dark Vintage Guitar	Dark Vintage Gt
261	121	36	27	Bright Vintage Guitar	Brt Vintage Gt
262	121	37	27	Soft Vintage Guitar	Soft Vintage Gt
263	121	30	28	Dark Muted Guitar	Dark Muted Gt
264	121	31	28	Chorus Muted Guitar	Chorus Muted Gt
265	121	32	28	Overdrive Muted Guitar	Odrive Muted Gt
266	121	33	28	Distortion Muted Guitar	Dist Muted Gt
267	121	34	28	Wah Muted Guitar	Wah Muted Gt
268	121	35	28	Pulse Muted Guitar	Pulse Muted Gt
269	121	36	28	Nylon Muted Guitar	Nylon Muted Gt
270	121	37	28	Funk Muted Guitar	Funk Muted Gt
271	121	30	29	Dark Overdrive Guitar	Dark Odrive Gt
272	121	31	29	Bright Overdrive Guitar	Brt Odrive Gt
273	121	32	29	Soft Overdrive Guitar	Soft Odrive Gt
274	121	33	29	Delay Overdrive Guitar	Delay Odrive Gt
275	121	34	29	Delay Guitar Feedback	Delay Gt Feedback
276	121	35	29	Chorus Guitar Feedback	Cho Gt Feedback
277	121	36	29	Wah Overdrive Guitar	Wah Odrive Gt
278	121	37	29	Dark Wah Overdrive Guitar	Dk Wah Odrive Gt
279	121	30	30	Chorus Distortion Guitar	Chorus Dist Gt
280	121	31	30	Dark Distortion Guitar	Dark Dist Gt
281	121	32	30	Wah Distortion Guitar	Wah Dist Gt
282	121	33	30	Velocity Lead Guitar	Vel Lead Gt
283	121	34	30	Soft Distortion Guitar	Soft Dist Gt
284	121	35	30	Bright Lead Guitar	Bright Lead Gt
285	121	36	30	Modern Distortion Guitar	Modern Dist Gt
286	121	37	30	Delay Distortion Guitar	Delay Dist Gt
Bass					
287	121	12	33	Real Finger Bass	Real Finger Bass
288	121	11	32	Real Acoustic Bass	Real Acoust Bass
289	121	11	34	Real Pick Bass	Real Pick Bass
290	121	11	35	Real Fretless Bass	Real Fret Bass
291	121	11	36	Power Slap Bass	Power Slap Bass
292	121	10	39	Attack Pulse 1	Attack Pulse 1
293	121	10	38	House Bass	House Bass
294	121	10	37	Funk Slap Bass	Funk Slap Bass
295	121	11	39	Resonant Bass 1	Resonant Bass 1
296	121	13	39	Resonant Bass 2	Resonant Bass 2
297	121	14	39	Resonant Synth Bass	Reson Syn Bass
298	121	10	34	Rock Bass 1	Rock Bass 1
299	121	10	35	Jazz Bass	Jazz Bass
300	121	0	34	Rock Bass 2	Rock Bass 2
301	121	11	33	Finger Slap Bass 1	Finger Slap Bs 1
302	121	10	32	Acoustic Bass & Cymbal	Bass&Cymbal
303	121	15	39	Analog Bass	Analog Bass
304	121	10	36	Resonant Slap Bass	Reson Slap Bass
305	121	16	39	Warm Synth Bass 1	Warm Syn Bass 1

Voice List

306	121	17	39	Hammer	Hammer
307	121	18	39	Rubber Synth Bass	Rubber Syn Bass
308	121	10	33	Pop Bass	Pop Bass
309	121	19	39	Warm Synth Bass 2	Warm Syn Bass 2
310	121	12	34	Muted Pick Bass	Muted Pick Bass
311	121	12	39	Attack Pulse 2	Attack Pulse 2
312	121	31	33	Overdriven Finger Bass	Over Finger Bass
313	121	32	33	Distortion Finger Bass	Dt Finger Bass
314	121	33	33	Distortion Guitar & Finger Bass	DtGt&FingerBs
315	121	34	33	Wah Finger Bass	Wah Finger Bass
316	121	35	33	Finger Slap Bass 2	Finger Slap Bs 2
317	121	36	33	Soft Wah Slap Bass	Soft Wah Slap Bs
318	121	37	33	Dark Slap Bass 1	Dark Slap Bass 1
319	121	30	34	Bright Pick Bass	Bright Pick Bass
320	121	31	34	Dark Pick Bass	Dark Pick Bass
321	121	32	34	Overdrive Pick Bass	Odrive Pick Bass
322	121	33	34	Distortion Guitar & Pick Bass	DtGt&PickBass
323	121	34	34	Wah Pick Bass	Wah Pick Bass
324	121	35	34	Chorus Pick Bass	Cho Pick Bass
325	121	36	34	Warm Chorus Pick Bass	Warm Cho Pick Bs
326	121	37	34	Hard Rock Bass	Hard Rock Bass
327	121	31	35	Overdriven Fretless Bass	Over Fret Bass
328	121	32	35	Distortion Fretless Bass	Dist Fret Bass
329	121	33	35	Wah Fretless Bass	Wah Fret Bass
330	121	34	35	muted Fretless Bass	Muted Fret Bass
331	121	35	35	Dark Fretless Bass	Dark Fret Bass
332	121	36	35	Pick muted Fretless Bass	Pick Mt Fret Bs
333	121	30	36	Dark Slap Bass 2	Dark Slap Bass 2
334	121	31	36	Chorus Slap Bass	Chorus Slap Bass
335	121	32	36	Distortion Guitar & Slap Bass	DtGt&SlapBass
336	121	33	36	Bright Resonant Slap Bass	Brt Rsn Slap Bs
337	121	34	36	Dark Resonant Slap Bass	Dk Rsn Slap Bs
338	121	35	36	Chorus Resonant Slap Bass	Cho Rsn Slap Bs
339	121	36	36	Wah Resonant Slap Bass	Wah Rsn Slap Bs
340	121	37	36	Warm Resonant Slap Bass	Warm Rsn Slap Bs
341	121	30	37	Dark Power Slap Bass	Dk Powr Slap Bs
342	121	31	37	Bright Power Slap Bass	Brt Powr Slap Bs
343	121	32	37	Distortion Power Slap Bass	Dt Powr Slap Bs
344	121	33	37	Distortion Guitar & Power Slap Bass	DtGt&PowrSlapBs
345	121	34	37	Overdriven Guitar & Power Slap Bass	OvGt&PowrSlapBs
346	121	35	37	Chorus Power Slap Bass	Cho Powr Slap Bs
347	121	36	37	Wah Power Slap Bass	Wah Powr Slap Bs
348	121	37	37	Warm Power Slap Bass	Wm Powr Slap Bs
349	121	31	38	Bright Analog Bass	Brt Analog Bass
350	121	32	38	Chorus Analog Bass	Cho Analog Bass
351	121	33	38	Wah Analog Bass	Wah Analog Bass
352	121	34	38	Distortion Guitar & Analog Bass	DtGt&AnalogBs
353	121	35	38	Overdriven Guitar & Analog Bass	OvGt&AnalogBs
354	121	36	38	Hammer Analog Bass	Hammer Ana Bass
355	121	37	38	Dark Hammer Bass	Dk Hammer Bass
356	121	30	39	Bright Attack Bass	Bright Attack Bs
357	121	31	39	Pulse Attack Bass	Pulse Attack Bs

Voice List

358	121	32	39	Bright Pulse Bass	Brt Pulse Bass
359	121	33	39	Octave Analog Bass	Oct Analog Bass
360	121	34	39	Power Analog Bass	Powr Analog Bass
361	121	35	39	Power Pulse Bass	Powr Pulse Bass
362	121	36	39	Wah Pulse Bass	Wah Pulse Bass
363	121	37	39	Chorus Pulse Bass	Cho Pulse Bass
Strings					
364	121	10	48	Real Strings	Real Strings
365	121	0	48	Classic Strings	Classic Strings
366	121	1	48	Orchestra Tutti	Orchestra Tutti
367	121	10	40	Sweet Violin	Sweet Violin
368	121	10	42	Real Cello	Real Cello
369	121	11	48	Concert Strings	Concert Strings
370	121	10	49	Live Strings	Live Strings
371	121	0	46	Real Harp	Real Harp
372	121	12	48	Live Orchestra	Live Orchestra
373	121	11	49	Soft Strings	Soft Strings
374	121	13	48	Live Contrabass	Live Contrabass
375	121	14	48	Chamber Music	Chamber Music
376	121	12	49	Slow Strings	Slow Strings
377	121	13	49	Strings & Brass	Strings&Brass
378	121	19	48	Strings & Flute	Strings&Flute
379	121	20	48	Strings & Oboe	Strings&Oboe
380	121	15	48	Arco Strings 1	Arco Strings 1
381	121	0	52	Live Choir Aahs	Live Choir Aahs
382	121	0	53	Live Choir Oohs	Live Choir Oohs
383	121	0	54	Synth Choir 1	Synth Choir 1
384	121	16	48	Orchestra	Orchestra
385	121	17	48	Arco Strings 2	Arco Strings 2
386	121	18	48	Brilliant Strings	Brilliant Str
387	121	0	44	Live Tremolo Strings	Live Tremolo Str
388	121	0	45	Live Pizzicato Strings	Live Pizz Str
389	121	10	51	Movie Strings	Movie Strings
390	121	0	50	Cool Synth Strings	Cool Synth Str
391	121	0	51	Soft Synth Strings	Soft Synth Str
392	121	11	51	Analog Strings	Analog Strings
393	121	0	40	Real Violin	Real Violin
394	121	0	41	Real Viola	Real Viola
395	121	0	42	Live Cello	Live Cello
396	121	0	43	Real Contrabass	Real Contrabass
397	121	10	52	Soft Choir Aahs	Soft Choir Aahs
398	121	1	53	Voice Humming	Voice Humming
399	121	1	54	Synth Choir 2	Synth Choir 2
400	121	0	55	Live Orchestra Hit	Live Orch Hit
401	121	1	55	Synth Bass Hit	Synth Bass Hit
402	121	2	55	Power Hit 1	Power Hit 1
403	121	3	55	Power Hit 2	Power Hit 2
404	121	30	40	Cool Violin 1	Cool Violin 1
405	121	31	40	Soft Violin	Soft Violin
406	121	32	40	Live Violin	Live Violin
407	121	33	40	Slow Violin	Slow Violin
408	121	34	40	Dark Violin	Dark Violin

Voice List

409	121	35	40	Bright Violin	Bright Violin
410	121	36	40	Chorus Violin	Chorus Violin
411	121	37	40	Cool Violin 2	Cool Violin 2
412	121	30	41	Slow Viola	Slow Viola
413	121	31	41	Dark Viola	Dark Viola
414	121	32	41	Bright Viola	Bright Viola
415	121	33	41	Violin & Viola	Violin&Viola
416	121	34	41	Chorus Viola	Chorus Viola
417	121	35	41	Harp & Viola	Harp&Viola
418	121	36	41	Cello & Viola	Cello&Viola
419	121	37	41	Aah & Viola	Aah&Viola
420	121	30	42	Slow Cello	Slow Cello
421	121	31	42	Dark Cello	Dark Cello
422	121	32	42	Bright Cello	Bright Cello
423	121	33	42	Chorus Cello	Chorus Cello
424	121	34	42	Violin & Cello	Violin&Cello
425	121	35	42	Aah & Cello	Aah&Cello
426	121	36	42	Harp & Cello	Harp&Cello
427	121	37	42	Contrabass & Cello	Contrbs&Cello
428	121	30	43	Dark Contrabass	Dark Contrabass
429	121	31	43	Bright Contrabass	Bright Contrbs
430	121	32	43	Chorus Contrabass	Chorus Contrbs
431	121	33	43	Slow Contrabass	Slow Contrabass
432	121	34	43	Violin & Contrabass	Volin&Contrbs
433	121	35	43	Viola & Contrabass	Viola&Contrbs
434	121	36	43	Aah & Contrabass	Aah&Contrabass
435	121	37	43	Harp & Contrabass	Harp&Contrbs
436	121	30	44	Dark Tremolo Strings	Dark Tremo Str
437	121	31	44	Bright Tremolo Strings	Bright Tremo Str
438	121	32	44	Slow Tremolo Strings	Slow Tremo Str
439	121	33	44	Cello & Tremolo Strings	Cello&TremoStr
440	121	34	44	Violin & Tremolo Strings	Violin&TremoStr
441	121	35	44	Aah & Tremolo Strings	Aah&TremoStr
442	121	36	44	Harp & Tremolo Strings	Harp&TremoStr
443	121	37	44	Chorus Tremolo Strings	Chorus Tremo Str
444	121	30	45	Dark Pizzicato Strings	Dark Pizz Str
445	121	31	45	Bright Pizzicato Strings	Bright Pizz Str
446	121	30	46	Dark Harp	Dark Harp
447	121	31	46	Bright Harp	Bright Harp
448	121	32	46	Aah & Harp	Aah & Harp
449	121	33	46	String & Harp	String & Harp
450	121	34	46	Chorus Harp	Chorus Harp
451	121	35	46	Humming & Harp	Humming&Harp
452	121	36	46	Euro Hit & Harp	EuroHit&Harp
453	121	37	46	Synth Voice & Harp	SynVoice&Harp
454	121	0	104	India Sitar	India Sitar
455	121	10	104	Hackbrett	Hackbrett
456	121	0	105	Folk Banjo	Folk Banjo
457	121	0	106	Japanese Shamisen	JP Shamisen
458	121	0	107	Japanese Koto	Japanese Koto
459	121	0	110	Vintage Fiddle	Vintage Fiddle
Brass					

Voice List

460	121	10	56	Sweet Trumpet	Sweet Trumpet
461	121	10	57	Sweet Trombone	Sweet Trombone
462	121	10	59	Sweet Muted Trumpet	Sweet Mt Trump
463	121	10	58	Live Tuba	Live Tuba
464	121	10	60	Live French Horn	Live French Horn
465	121	16	60	Wide French Horn	Wide French Horn
466	121	10	61	Real Brass Section	Real Brass
467	121	11	61	Pop Brass Section	Pop Brass
468	121	11	56	Jazz Trumpet	Jazz Trumpet
469	121	12	56	Solo Trumpet	Solo Trumpet
470	121	13	56	Trumpet Ensemble	Trumpet Ensemble
471	121	0	57	Live Trombone	Live Trombone
472	121	14	57	Solo Flugelhorn	Solo Flugelhorn
473	121	0	59	Solo Muted Trumpet	Solo MtTrumpet
474	121	11	57	Solo Trombone	Solo Trombone
475	121	12	57	Soft Trombone	Soft Trombone
476	121	19	57	Wide Trombone	Wide Trombone
477	121	13	57	Dark Trombone	Dark Trombone
478	121	18	57	Synth Trombone	Synth Trombone
479	121	16	57	Resonant Trombone 1	Reson Tromb 1
480	121	17	57	Resonant Trombone 2	Reson Tromb 2
481	121	20	57	Brass Band 1	Brass Band 1
482	121	15	57	Flugelhorn	Flugelhorn
483	121	14	60	Mellow French Horn	Mellow FrHorn
484	121	12	61	Octave Brass Section	Oct Brs Section
485	121	16	61	Brass Band 2	Brass Band 2
486	121	0	61	Classic Brass Section	Classic Brass
487	121	17	61	Dark Brass	Dark Brass
488	121	13	61	Cool Synth Brass	Cool Syn Brass
489	121	14	61	Live Brass Section	Live Brass
490	121	15	61	Sforzato Brass	Sforzato Brass
491	121	18	61	Big Brass Section	Big Brass
492	121	19	61	Club Brass Section	Club Brass
493	121	20	61	Bright Brass Section 1	Bright Brass 1
494	121	21	61	Mellow Brass Section	Mellow Brass
495	121	11	60	Modern Synth Brass	Modern Syn Brass
496	121	12	60	Soft Synth Brass 1	Soft Syn Brass 1
497	121	22	61	Soft Synth Brass 2	Soft Syn Brass 2
498	121	10	62	80's Brass	80's Brass
499	121	23	61	Soft Brass Section	Soft Brass
500	121	13	60	Big Band 1	Big Band 1
501	121	24	61	Power Brass Section	Power Brass
502	121	25	61	Dance Synth Brass	Dance Syn Brass
503	121	26	61	Big Band 2	Big Band 2
504	121	27	61	Pop Synth Brass 1	Pop Syn Brass 1
505	121	28	61	Brass Hit	Brass Hit
506	121	2	62	Analog Brass 1	Analog Brass 1
507	121	29	61	Small Brass Section	Small Brass
508	121	2	63	Soft Analog Brass	Soft Ana Brass
509	121	11	62	Funky Analog Brass	Funky Ana Brass
510	121	12	62	Techno Brass	Techno Brass
511	121	13	62	Analog Brass 2	Analog Brass 2

Voice List

512	121	15	60	Echo Brass	Echo Brass
513	121	10	63	Funky Synth Brass	Funky Syn Brass
514	121	30	56	Warm Trumpet	Warm Trumpet
515	121	31	56	Bright Trumpet	Bright Trumpet
516	121	32	56	Chorus Trumpet	Chorus Trumpet
517	121	33	56	Double Trumpet	Double Trumpet
518	121	34	56	Trombone & Trumpet	Tromb&Trump
519	121	35	56	Tuba & Trumpet	Tuba&Trumpet
520	121	36	56	Resonant Trumpet	Reson Trumpet
521	121	37	56	French Horn & Trumpet	FrHorn&Trump
522	121	30	57	Warm Trombone	Warm Trombone
523	121	31	57	Bright Trombone	Bright Trombone
524	121	32	57	Chorus Trombone	Chorus Trombone
525	121	33	57	Double Trombone	Double Trombone
526	121	34	57	French Horn & Trombone	FrHorn&Tromb
527	121	35	57	Tuba & Trombone	Tuba&Trombone
528	121	36	57	Soprano Sax & Trombone	SoprSax&Tromb
529	121	30	58	Dark Tuba	Dark Tuba
530	121	31	58	Bright Tuba	Bright Tuba
531	121	32	58	Warm Tuba	Warm Tuba
532	121	33	58	Chorus Tuba	Chorus Tuba
533	121	34	58	Resonant Tuba	Resonant Tuba
534	121	35	58	Slow Tuba	Slow Tuba
535	121	36	58	Soprano Sax & Tuba	SoprSax&Tuba
536	121	37	58	Alto Sax & Tuba	AltoSax&Tuba
537	121	30	59	Dark Muted Trumpet	Dark MtTrump
538	121	31	59	Bright Muted Trumpet	Bright MtTrump
539	121	32	59	Warm Muted Trumpet	Warm MtTrump
540	121	33	59	Chorus Muted Trumpet	Chorus MtTrump
541	121	34	59	Tuba & Muted Trumpet	Tuba&MtTrump
542	121	35	59	French Horn & Muted Trumpet	FrHorn&MtTrump
543	121	36	59	Soprano Sax & Muted Trumpet	SoprSax&MtTrp
544	121	37	59	Alto Sax & Muted Trumpet	AltoSax&MtTrump
545	121	30	60	Dark French Horn	Dark French Horn
546	121	31	60	Bright French Horn	Brt French Horn
547	121	32	60	Warm French Horn	Wam French Horn
548	121	33	60	Chorus French Horn	Cho French Horn
549	121	34	60	Tuba & French Horn	Tuba&FrHorn
550	121	35	60	Soprano Sax & French Horn	SoprSax&FrHorn
551	121	36	60	Alto Sax & French Horn	AltoSax&FrHorn
552	121	37	60	Slow French Horn	Slow French Horn
553	121	30	61	Dark Brass Section	Dk Brass Section
554	121	31	61	Bright Brass Section 2	Bright Brass 2
555	121	32	61	Warm Brass Section	Warm Brass
556	121	33	61	Chorus Brass Section	Chorus Brass
557	121	34	61	Resonant Brass Section	Resonant Brass
558	121	35	61	Slow Brass Section	Slow Brass
559	121	36	61	Funk Brass Section	Funk Brass
560	121	31	62	Bright Synth Brass	Brt Syn Brass
561	121	33	62	Chorus Synth Brass	Cho Syn Brass
562	121	34	62	Resonant Synth Brass	Reson Syn Brass
563	121	35	62	Slow Synth Brass	Slow Syn Brass

Voice List

564	121	36	62	Rock Synth Brass	Rock Syn Brass
565	121	37	62	Pop Synth Brass 2	Pop Syn Brass 2
566	121	30	63	Dark Analog Synth Brass	Dk Ana Syn Brs
567	121	31	63	Bright Analog Synth Brass	Brt Ana Syn Brs
568	121	32	63	Warm Analog Synth Brass	Warm Ana Syn Brs
569	121	33	63	Chorus Analog Synth Brass	Cho Ana Syn Brs
570	121	34	63	Resonant Analog Synth Brass	Resn Ana Syn Brs
571	121	35	63	Slow Analog Synth Brass	Slow Ana Syn Brs
Sax & Woodwind					
572	121	10	66	Sweet Tenor Sax	Sweet Tenor Sax
573	121	10	65	Sweet Alto Sax	Sweet Alto Sax
574	121	10	64	Sweet Soprano Sax	Sweet Sopr Sax
575	121	10	67	Live Baritone Sax	Live Barit Sax
576	121	10	73	Sweet Flute	Sweet Flute
577	121	10	71	Sweet Clarinet	Sweet Clarinet
578	121	10	75	Sweet Pan Flute	Sweet Pan Flute
579	121	10	68	Sweet Oboe	Sweet Oboe
580	121	0	69	Classic English Horn	Cl English Horn
581	121	0	70	Classic Bassoon	Classic Bassoon
582	121	0	72	Classic Piccolo	Classic Piccolo
583	121	12	73	Classic Flute 1	Classic Flute 1
584	121	0	64	Bright Soprano Sax	Bright Sopr Sax
585	121	0	66	Bright Tenor Sax	Bright Tenor Sax
586	121	0	65	Bright Alto Sax	Bright Alto Sax
587	121	0	67	Bright Baritone Sax	Bright Barit Sax
588	121	11	73	Flute & Sax	Flute&Sax
589	121	11	66	Sax Section 1	Sax Section 1
590	121	12	66	Sax Section 2	Sax Section 2
591	121	13	66	Sax & Clarinet 1	Sax&Clarinet 1
592	121	11	64	Sax Band 1	Sax Band 1
593	121	12	64	Sax Band 2	Sax Band 2
594	121	11	65	Slow Tenor Sax	Slow Tenor Sax
595	121	11	67	Soft Sax Band	Soft Sax Band
596	121	12	67	Super Sax Band	Super Sax Band
597	121	13	73	Sax & Clarinet 2	Sax&Clarinet 2
598	121	11	75	Cool Pan Flute 1	Cool Pan Flute 1
599	121	0	77	Cool Shakuhachi	Cool Shakuhachi
600	121	0	71	Classic Clarinet	Classic Clarinet
601	121	0	73	Classic Flute 2	Classic Flute 2
602	121	12	75	Cool Pan Flute 2	Cool Pan Flute 2
603	121	0	68	Classic Oboe	Classic Oboe
604	121	0	78	Mellow Whistle	Mellow Whistle
605	121	0	74	Classic Recorder	Classic Recorder
606	121	0	76	Sweet Blown Bottle	Sw Blown Bottle
607	121	0	79	Mellow Ocarina	Mellow Ocarina
608	121	30	72	Dark Piccolo	Dark Piccolo
609	121	31	72	Bright Piccolo	Bright Piccolo
610	121	32	72	Chorus Piccolo	Chorus Piccolo
611	121	33	72	Warm Piccolo	Warm Piccolo
612	121	34	72	Slow Piccolo	Slow Piccolo
613	121	30	73	Dark Flute	Dark Flute
614	121	31	73	Bright Flute	Bright Flute

Voice List

615	121	32	73	Chorus Flute	Chorus Flute
616	121	33	73	Warm Flute	Warm Flute
617	121	34	73	Slow Flute	Slow Flute
618	121	35	73	Whistle & Flute	Whistle&Flute
619	121	30	74	Piccolo & Recorder	Picco&Record
620	121	31	74	Pan Flute & Recorder	PanFlute&Record
621	121	32	74	Shakuhachi & Recorder	Shaku&Record
622	121	33	74	Clarinet & Recorder	Clarinet&Record
623	121	34	74	Flute & Recorder	Flute&Record
624	121	35	74	Blown Bottle & Recorder	BlowBot&Record
625	121	30	75	Dark Pan Flute	Dark Pan Flute
626	121	31	75	Bright Pan Flute	Bright Pan Flute
627	121	32	75	Warm Pan Flute	Warm Pan Flute
628	121	33	75	Chorus Pan Flute	Chorus Pan Flute
629	121	34	75	Whistle & Pan Flute	Whistle&PanFlute
630	121	35	75	Slow Pan Flute	Slow Pan Flute
631	121	30	76	Dark Blown Bottle	Dk Blown Bottle
632	121	31	76	Bright Blown Bottle	Brt Blown Bottle
633	121	32	76	Chorus Blown Bottle	Cho Blown Bottle
634	121	33	76	Warm Blown Bottle	Warm Blow Bottle
635	121	34	76	Slow Blown Bottle	Slow Blow Bottle
636	121	35	76	Oboe & Blown Bottle	Oboe&BlowBottle
637	121	30	77	Dark Shakuhachi	Dark Shakuhachi
638	121	31	77	Bright Shakuhachi	Bright Shaku
639	121	32	77	Chorus Shakuhachi	Chorus Shaku
640	121	33	77	Warm Shakuhachi	Warm Shaku
641	121	34	77	Slow Shakuhachi	Slow Shakuhachi
642	121	35	77	Piccolo & Shakuhachi	Piccolo&Shaku
643	121	30	78	Bright Whistle	Bright Whistle
644	121	31	78	Blown Bottle & Whistle	BlowBot&Whistle
645	121	32	78	Shakuhachi & Whistle	Shaku&Whistle
646	121	33	78	Oboe & Whistle	Oboe&Whistle
647	121	30	79	Piccolo & Ocarina	Picco&Ocarina
648	121	31	79	Pan Flute & Ocarina	PanFlute&Ocari
649	121	32	79	Oboe & Ocarina	Oboe&Ocarina
650	121	33	79	Blown Bottle & Ocarina	BlowBot&Ocari
651	121	34	79	Shakuhachi & Ocarina	Shaku&Ocari
652	121	0	111	Vintage Shanai	Vintage Shanai
653	121	0	109	Vintage Bag Pipe	Vt Bag Pipe
Lead & Pad					
654	121	10	80	Wire Lead 1	Wire Lead 1
655	121	10	87	Dance Lead	Dance Lead
656	121	11	87	Techno Lead	Techno Lead
657	121	12	81	Trance Lead	Trance Lead
658	121	15	80	Super Square	Super Square
659	121	17	81	Super Sawtooth	Super Sawtooth
660	121	18	81	Pop Lead	Pop Lead
661	121	16	84	Octave Line	Octave Line
662	121	12	82	Pan Lead	Pan Lead
663	121	10	86	Rising	Rising
664	121	12	80	Sine Solo	Sine Solo

Voice List

665	121	11	80	Martrix Lead	Martrix Lead
666	121	13	80	Hip Hop Lead 1	Hip Hop Lead 1
667	121	14	80	Hip Hop Lead 2	Hip Hop Lead 2
668	121	10	81	Bauble Lead	Bauble Lead
669	121	11	81	Super Analog	Super Analog
670	121	12	87	Octave Lead	Octave Lead
671	121	13	81	FireWire Lead	FireWire Lead
672	121	14	81	Analog Lead	Analog Lead
673	121	15	81	Blaster Lead	Blaster Lead
674	121	16	81	Skyline Lead	Skyline Lead
675	121	19	81	Thick Saw 1	Thick Saw 1
676	121	20	81	Thick Saw 2	Thick Saw 2
677	121	10	84	Soft Sine 1	Soft Sine 1
678	121	11	84	Funky Lead 1	Funky Lead 1
679	121	12	84	Wah Lead 1	Wah Lead 1
680	121	13	84	Wah Lead 2	Wah Lead 2
681	121	14	84	Corrie	Corrie
682	121	15	84	Funky Lead 2	Funky Lead 2
683	121	21	81	Big Lead	Big Lead
684	121	10	83	Chiff Solo	Chiff Solo
685	121	10	82	Flying Lead	Flying Lead
686	121	16	80	Mini Lead	Mini Lead
687	121	13	87	Massiness	Massiness
688	121	11	82	Soft Calliope	Soft Calliope
689	121	14	87	Soft Sine 2	Soft Sine 2
690	121	15	87	Jazz Lead	Jazz Lead
691	121	22	81	Trumpet Saw	Trumpet Saw
692	121	23	81	Circus Lead	Circus Lead
693	121	24	81	Thick Square	Thick Square
694	121	30	80	Wah Sine Solo	Wah Sine Solo
695	121	31	80	Tremolo Matrix	Tremolo Matrix
696	121	32	80	Dark Wire Lead	Dark Wire Lead
697	121	33	80	Chorus Hip Lead	ChorusHip Lead
698	121	35	80	Wire Lead 2	Wire Lead 2
699	121	31	81	Chorus Soft Mini	ChorusSoftMini
700	121	33	81	Chiff Fire Wire	ChiFireWire
701	121	34	81	Soft Analog	Soft Analog
702	121	35	81	Bright Analog	Bright Analog
703	121	36	81	Toys Analog	Toys Analog
704	121	37	81	Corrie Analog	Corrie Analog
705	121	30	82	Corrie Calliope 1	CorrieCalliope1
706	121	31	82	Wah Calliope 1	WahCalliope 1
707	121	32	82	Bright Calliope	BrightCalliope
708	121	35	82	Analog Calliope	Alg Calliope
709	121	36	82	Corrie Calliope 2	CorrieCalliope 2
710	121	37	82	Wah Calliope 2	Wah Calliope 2
711	121	31	83	Bright Chiff Lead	Bright Chiff Ld
712	121	32	83	Tremolo Chiff Lead	Tremolo Chiff Ld
713	121	33	83	Charang Chiff Lead	Charang Chiff Ld
714	121	36	83	Corrie Chiff Lead	Corrie Chiff Ld
715	121	37	83	Stardust Warp	Stardust Warp
716	121	30	84	Soft Funky Lead 1	Soft Funky Ld 1

Voice List

717	121	31	84	Soft Funky Lead 2	Soft Funky Ld 2
718	121	32	84	Wire Funky Lead	Wire Funky Lead
719	121	33	84	Soft Octave Lead	Soft Octave Lead
720	121	35	84	Tremolo Octave Lead	Tremolo Oct Ld
721	121	36	84	Calliope Octave Lead	Calliope Oct Ld
722	121	37	84	Big Octave Lead	Big Octave Lead
723	121	30	85	Bright Voice Lead	Bright Voice Ld
724	121	33	85	Delayed Voice Lead	Dely Voice Lead
725	121	37	85	Big Voice Lead	Big Voice Lead
726	121	30	86	Soft Rising 1	Soft Rising1
727	121	31	86	Soft Rising 2	Soft Rising2
728	121	32	86	Bright Rising 1	Bright Rising 1
729	121	33	86	Bright Rising 2	Bright Rising 2
730	121	34	86	Wah Rising 1	Wah Rising 1
731	121	35	86	Wah Rising 2	Wah Rising 2
732	121	36	86	Wah Rising 3	Wah Rising 3
733	121	30	87	Soft Bass Lead 1	Soft Bass Lead 1
734	121	31	87	Soft Bass Lead 2	Soft Bass Lead 2
735	121	32	87	Voice Bass Lead	Voice Bass Lead
736	121	33	87	Bright Bass Lead 1	Bright Bass Ld 1
737	121	34	87	Calliope Bass Lead	Calliope Bass Ld
738	121	35	87	Analog Bass Lead	Analog Bass Ld
739	121	36	87	Bright Bass Lead 2	Bright Bass Ld 2
740	121	37	87	Wah Bass Lead	Wah Bass Ld
741	121	30	98	Bright Delayed Lead	Bright Dely Ld
742	121	10	91	Live Choir Pad	Live Choir Pad
743	121	13	91	Vox Pad	Vox Pad
744	121	15	91	Dream New Age	Dream New Age
745	121	20	91	Heaven Pad 1	Heaven Pad 1
746	121	11	95	Messenger Pad	Messenger Pad
747	121	11	91	Gospel Pad	Gospel Pad
748	121	12	91	Live Humming Pad	Live Humming Pad
749	121	14	91	Sweet New Age	Sweet New Age
750	121	16	91	Soft Vox	Soft Vox
751	121	17	91	Vox Choir Pad	Vox Choir Pad
752	121	18	91	Sunbeam Pad	Sunbeam Pad
753	121	19	91	Heaven Pad 2	Heaven Pad 2
754	121	21	91	Heaven Pad 3	Heaven Pad 3
755	121	22	91	Soft Choir Pad 1	Soft Choir Pad 1
756	121	23	91	Air Choir Pad	Air Choir Pad
757	121	24	91	Bright Vox	Bright Vox
758	121	25	91	Voice Choir Pad	Voice Choir Pad
759	121	26	91	Soft Choir Pad 2	Soft Choir Pad 2
760	121	27	91	Choir & Organ	Choir & Organ
761	121	10	88	Cool New Age 1	Cool New Age 1
762	121	11	88	Cool New Age 2	Cool New Age 2
763	121	10	89	Space Pad 1	Space Pad 1
764	121	11	89	PWM Pad	PWM Pad
765	121	12	89	Mellow Pad 1	Mellow Pad 1
766	121	13	89	Space Pad 2	Space Pad 2
767	121	14	89	Mellow Pad 2	Mellow Pad 2
768	121	15	89	Cyber Pad	Cyber Pad

Voice List

769	121	10	95	Cool Sweep Pad	Cool Sweep Pad
770	121	12	95	Wave Pad	Wave Pad
771	121	10	90	Poly Synth Pad 1	Poly Synth Pad 1
772	121	11	90	Poly Synth Pad 2	Poly Synth Pad 2
773	121	12	88	Bright New Age	Bright New Age
774	121	16	89	Dark Pad	Dark Pad
775	121	10	93	Mystery Pad	Mystery Pad
776	121	11	93	Cool Metallic Pad	Cool Metal Pad
777	121	11	94	Congregate	Congregate
778	121	10	94	Pan Pad	Pan Pad
779	121	12	94	Evening Stars	Evening Stars
780	121	13	94	Angel Pad	Angel Pad
781	121	13	88	Atmosphere Pad	Atmosphere Pad
782	121	28	91	Itopia Pad 1	Itopia Pad 1
783	121	29	91	Itopia Pad 2	Itopia Pad 2
784	121	12	93	Glass Pad	Glass Pad
785	121	13	93	Fantasia	Fantasia
786	121	17	89	DX Pad	DX Pad
787	121	13	95	Dream Sweep Pad	Dream Sweep Pad
788	121	14	88	Stargate	Stargate
789	121	18	89	Analog Pad	Analog Pad
790	121	10	92	Dark Moon Pad	Dark Moon Pad
791	121	15	88	New Age & Bowed Pad	NewAge&BowPad
792	121	16	88	Golden Age	Golden Age
793	121	17	88	Space Halo Pad	Space Halo Pad
794	121	18	88	Time Travel	Time Travel
795	121	19	89	Time Machine	Time Machine
796	121	20	89	Slow Warm Pad	Slow Warm Pad
797	121	30	88	Bright New Age Pad	Brt NewAge Pad
798	121	34	88	Choir New Age Pad	Choir NewAge Pad
799	121	35	88	Warm New Age Pad	Wam NewAge Pad
800	121	36	88	Dipolar New Age Pad	Dipol NewAge Pad
801	121	37	88	Wah New Age Pad	Wah NewAge Pad
802	121	30	89	Dream Warm Pad	Dream Warm Pad
803	121	31	89	Cool Warm Pad	Cool Warm Pad
804	121	32	89	Big Band Pad	BigBand Pad
805	121	33	89	Organ Pad	Organ Pad
806	121	35	89	Modern Pad	Modern Pad
807	121	36	89	Bright Pad 1	Bright Pad 1
808	121	37	89	Bright Pad 2	Bright Pad 2
809	121	31	90	Bright Poly Synth Pad	Brt PolySyn Pad
810	121	32	90	Wah Poly Synth Pad	Wah PolySyn Pad
811	121	33	90	Vox Poly Synth Pad	Vox PolySyn Pad
812	121	34	90	Calliope Poly Synth Pad	Calio PolySynPad
813	121	35	90	Harmonica Poly Synth Pad	Harm PolySyn Pad
814	121	36	90	Analog Poly Synth Pad	Ana PolySyn Pad
815	121	37	90	Square Poly Synth Pad	Squr PolySyn Pad
816	121	30	91	Wah Choir Pad 1	Wah Choir Pad 1
817	121	31	91	Wah Choir Pad 2	Wah Choir Pad 2
818	121	32	91	Soft Itopia Pad 1	Soft Itpia Pad 1
819	121	33	91	Square Itopia Pad	Squr Itpia Pad
820	121	34	91	Bright Itopia Pad 1	Brt Itpia Pad 1

Voice List

821	121	35	91	Analog Itopia Pad	Ana Itpia Pad
822	121	36	91	Bright Itopia Pad 2	Brt Itpia Pad 2
823	121	37	91	Soft Itopia Pad 2	Soft Itpia Pad 2
824	121	30	92	Bright Bowed Pad 1	Brt Bowed Pad 1
825	121	31	92	Soft Bowed Pad 1	Soft Bowed Pad 1
826	121	32	92	Wah Bowed Pad	Wah Bowed Pad
827	121	33	92	Corrie Bowed Pad	Corrie Bowed Pad
828	121	34	92	Congregate Bowed Pad	Cong Bowed Pad
829	121	35	92	Calliope Bowed Pad	Calio Bowed Pad
830	121	36	92	Bright Bowed Pad 2	Brt Bowed Pad 2
831	121	37	92	Soft Bowed Pad 2	Soft Bowed Pad 2
832	121	30	93	Bright Metallic Pad 1	Brt Metal Pad 1
833	121	31	93	Soft Metallic Pad	Soft Metal Pad
834	121	32	93	Wah Metallic Pad	Wah Metal Pad
835	121	33	93	Choir Metallic Pad	Choir Metel Pad
836	121	34	93	Modern Metallic Pad	Modern Metal Pad
837	121	35	93	Congregate Metallic Pad	Cong Metal Pad
838	121	36	93	Calliope Metallic Pad	Calio Metal Pad
839	121	37	93	Bright Metallic Pad 2	Brt Metal Pad 2
840	121	30	94	Bright Halo Pad	Bright Halo Pad
841	121	31	94	Soft Halo Pad	Soft Halo Pad
842	121	32	94	Wah Halo Pad	Wah Halo Pad
843	121	33	94	PWM Halo Pad	PWM Halo Pad
844	121	34	94	Bowed Halo Pad	Bowed Halo Pad
845	121	35	94	Congregate Halo Pad	Cong Halo Pad
846	121	36	94	Metal Halo Pad	Metal Halo Pad
847	121	37	94	Corrie Halo Pad	Corrie Halo Pad
848	121	30	95	Soft Dipolar Pad	Soft Dipolar Pad
849	121	31	95	Wah Dipolar Pad	Wah Dipolar Pad
850	121	32	95	Vox Dipolar Pad	Vox Dipolar Pad
851	121	33	95	Metallic Dipolar Pad	Metal Dipol Pad
852	121	34	95	Warm Dipolar Pad	Warm Dipol Pad
853	121	35	95	Congregate Dipolar Pad	Cong Dipol Pad
854	121	36	95	Calliope Dipolar Pad	Calio Dipol Pad
855	121	37	95	Corrie Dipolar Pad	Corie Dipol Pad
856	121	10	98	Echo Crystal	Echo Crystal
857	121	11	98	Melody Crystal	Melody Crystal
858	121	10	102	Echo Drops	Echo Drops
859	121	11	102	Sun Bell	Sun Bell
860	121	12	102	Echo Bell	Echo Bell
861	121	13	102	Bell Pad	Bell Pad
862	121	31	98	Soft Crystal Echo	Soft Crys Echo
863	121	34	98	Square Crystal Echo	Square Crys Echo
864	121	35	98	Analog Crystal Echo	Ana Crys Echo
865	121	36	98	Vox Crystal Echo	Vox Crys Echo
866	121	37	98	Chorus Crystal Echo	Chorus Crys Echo
867	121	30	102	Soft Echo	Soft Echo
868	121	32	102	Bright Echo	Bright Echo
869	121	34	102	Wah Echo	Wah Echo
Perc. & Drums					
870	121	1	11	Cool Vibraphone	Cool Vibraphone
871	121	10	11	Rigid Vibraphone	Rigid Vibraphone

Voice List

872	121	1	12	Real Marimba	Real Marimba
873	121	10	8	Real Celesta	Real Celesta
874	121	0	11	Live Vibraphone	Live Vibraphone
875	121	11	11	Jazz Vibraphone	Jazz Vibraphone
876	121	10	10	Music Box & Flute	Music Box&Flute
877	121	0	12	Cool Marimba	Cool Marimba
878	121	0	13	Live Xylophone	Live Xylophone
879	121	0	8	Live Celesta	Live Celesta
880	121	0	9	Live Glockenspiel	Live Glocken
881	121	0	10	Dream Music Box	Dream Music Box
882	121	0	14	Live Tubular Bells	Live Tubu Bells
883	121	1	14	Church Bell	Church Bell
884	121	2	14	Carillon	Carillon
885	121	0	15	Santur	Santur
886	121	0	108	Africa Kalimba	Africa Kalimba
887	121	0	0	Standard Set 1	Standard Set 1
888	121	0	71	Standard Set 2	Standard Set 2
889	121	0	40	Brush Set	Brush Set
890	121	0	72	Studio Set	Studio Set
891	121	0	73	Mix Set	Mix Set
892	121	0	70	Dance Set	Dance Set
893	121	0	8	Room Set	Room Set
894	121	0	32	Jazz Set	Jazz Set
895	121	0	87	Acoustic Set	Acoustic Set
896	121	0	16	Power Set 1	Power Set 1
897	121	0	74	Power Set 2	Power Set 2
898	121	0	24	Electronic Set	Electronic Set
899	121	0	25	Analog Set	Analog Set
900	121	0	48	Orchestra Set	Orchestra Set
901	121	0	77	Latin Set	Latin Set
902	121	0	81	R&B Set	R&B Set
903	121	0	83	Hip Hop Set	Hip Hop Set
904	121	0	89	Techno Set	Techno Set
905	121	0	75	Swing Set	Swing Set
906	121	0	76	Fusion Set	Fusion Set
907	121	0	82	Vintage Set	Vintage Set
908	121	0	84	Pop Set	Pop Set
909	121	0	85	Funk Set	Funk Set
910	121	0	88	Symphony Set	Symphony Set
911	121	0	80	Percussion Set 1	Percussion Set 1
912	121	0	86	Percussion Set 2	Percussion Set 2
913	121	0	78	SFX Set 1	SFX Set 1
914	121	0	79	SFX Set 2	SFX Set 2
915	121	0	90	Bass Drum Set	Bass Drum Set
916	121	0	91	Snare Set	Snare Set
917	121	0	92	Cymbal Set	Cymbal Set
918	121	0	47	Orchestra Timpani	Orch Timpani
919	121	0	116	Live Taiko Drum	Live Taiko Drum
920	121	10	116	Stereo Taiko Drum	St Taiko Drum
921	121	1	116	Concert Bass Drum	Concert Bs Drum
922	121	0	117	Acoustic Tom 1	Acoustic Tom 1
923	121	1	117	Acoustic Tom 2	Acoustic Tom 2

Voice List

924	121	0	118	Synth Tom	Synth Tom
925	121	1	118	Rhythm Tom	Rhythm Tom
926	121	2	118	Electric Drum	Electric Drum
927	121	10	114	Live Steel Drums 1	Live SteelDrums 1
928	121	0	114	Live Steel Drums 2	Live SteelDrums 2
929	121	0	113	Agogo Bell	Agogo Bell
930	121	0	119	Cymbal SFX 1	Cymbal SFX 1
931	121	10	119	Cymbal SFX 2	Cymbal SFX 2
SFX & GM					
932	121	0	120	Guitar SFX 1	Guitar SFX 1
933	121	1	120	Guitar SFX 2	Guitar SFX 2
934	121	2	120	Acoustic Bass String Slap	Bass String Slap
935	121	0	121	Breathy Voice	Breathy Voice
936	121	1	121	Flute Key Click	Flute Key Click
937	121	0	122	Sea Wave	Sea Wave
938	121	1	122	Rain	Rain
939	121	2	122	Thunder	Thunder
940	121	3	122	Wind	Wind
941	121	4	122	Stream	Stream
942	121	5	122	Bubble	Bubble
943	121	0	123	Birds 1	Birds 1
944	121	1	123	Dog	Dog
945	121	2	123	Horse Gallop	Horse Gallop
946	121	3	123	Birds 2	Birds 2
947	121	0	124	Telephone Bell 1	Telephone Bell 1
948	121	1	124	Telephone Bell 2	Telephone Bell 2
949	121	2	124	Door Creaking	Door Creaking
950	121	3	124	Door	Door
951	121	4	124	Scratch	Scratch
952	121	5	124	Wind Chime	Wind Chime
953	121	0	125	Helicopter Engine	Helicopt Engine
954	121	1	125	Car Engine	Car Engine
955	121	2	125	Car Stop	Car Stop
956	121	3	125	Car Pass	Car Pass
957	121	4	125	Car Crash	Car Crash
958	121	5	125	Siren	Siren
959	121	6	125	Train	Train
960	121	7	125	Jetplane	Jetplane
961	121	8	125	Starship	Starship
962	121	9	125	Burst Noise	Burst Noise
963	121	0	126	Live Applause	Live Applause
964	121	1	126	Laughing	Laughing
965	121	2	126	Screaming	Screaming
966	121	3	126	Punch	Punch
967	121	4	126	Heart Beat	Heart Beat
968	121	5	126	Footsteps	Footsteps
969	121	0	127	Gun	Gun
970	121	1	127	Machine Gun	Machine Gun
971	121	2	127	Lasergun	Lasergun
972	121	3	127	Explosion	Explosion
973	0	0	0	Acoustic Grand Piano	Grand Piano
974	0	0	1	Bright Acoustic Piano	Bright Piano

Voice List

975	0	0	2	Electric Grand Piano	Electric Grand
976	0	0	3	Honky-tonk Piano	Honky Tonk
977	0	0	4	Electric Piano 1	E.Piano 1
978	0	0	5	Electric Piano 2	E.Piano 2
979	0	0	6	Harpsichord	Harpsichord
980	0	0	7	Clavi	Clavi
981	0	0	8	Celesta	Celesta
982	0	0	9	Glockenspiel	Glockenspiel
983	0	0	10	Music Box	Music Box
984	0	0	11	Vibraphone	Vibraphone
985	0	0	12	Marimba	Marimba
986	0	0	13	Xylophone	Xylophone
987	0	0	14	Tubular Bells	Tubular Bells
988	0	0	15	Dulcimer	Dulcimer
989	0	0	16	Drawbar Organ	Drawbar Organ
990	0	0	17	Percussive Organ	Percussive Organ
991	0	0	18	Rock Organ	Rock Organ
992	0	0	19	Church Organ	Church Organ
993	0	0	20	Reed Organ	Reed Organ
994	0	0	21	Accordion	Accordion
995	0	0	22	Harmonica	Harmonica
996	0	0	23	Tango Accordion	Tango Accordion
997	0	0	24	Acoustic Guitar (nylon)	Nylon Guitar
998	0	0	25	Acoustic Guitar (steel)	Steel Guitar
999	0	0	26	Electric Guitar (jazz)	Jazz E.Guitar
1000	0	0	27	Electric Guitar (clean)	Clean E.Guitar
1001	0	0	28	Electric Guitar (muted)	Muted E.Guitar
1002	0	0	29	Overdriven Guitar	Overdriven Gt
1003	0	0	30	Distortion Guitar	Distortion Gt
1004	0	0	31	Guitar Harmonics	Guitar Harmonics
1005	0	0	32	Acoustic Bass	Acoustic Bass
1006	0	0	33	Electric Bass (finger)	Finger Bass
1007	0	0	34	Electric Bass (pick)	Pick Bass
1008	0	0	35	Fretless Bass	Fretless Bass
1009	0	0	36	Slap Bass 1	Slap Bass 1
1010	0	0	37	Slap Bass 2	Slap Bass 2
1011	0	0	38	Synth Bass 1	Synth Bass 1
1012	0	0	39	Synth Bass 2	Synth Bass 2
1013	0	0	40	Violin	Violin
1014	0	0	41	Viola	Viola
1015	0	0	42	Cello	Cello
1016	0	0	43	Contrabass	Contrabass
1017	0	0	44	Tremolo Strings	Tremolo Strings
1018	0	0	45	Pizzicato Strings	Pizz Strings
1019	0	0	46	Orchestral Harp	Orchestral Harp
1020	0	0	47	Timpani	Timpani
1021	0	0	48	String Ensembles 1	Str Ensembles 1
1022	0	0	49	String Ensembles 2	Str Ensembles 2
1023	0	0	50	Synth Strings 1	Synth Strings 1
1024	0	0	51	Synth Strings 2	Synth Strings 2
1025	0	0	52	Choir Aahs	Choir Aahs
1026	0	0	53	Voice Oohs	Voice Oohs

Voice List

1027	0	0	54	Synth Voice	Synth Voice
1028	0	0	55	Orchestra Hit	Orchestra Hit
1029	0	0	56	Trumpet	Trumpet
1030	0	0	57	Trombone	Trombone
1031	0	0	58	Tuba	Tuba
1032	0	0	59	Muted Trumpet	Muted Trumpet
1033	0	0	60	French Horn	French Horn
1034	0	0	61	Brass Section	Brass Section
1035	0	0	62	Synth Brass 1	Synth Brass 1
1036	0	0	63	Synth Brass 2	Synth Brass 2
1037	0	0	64	Soprano Sax	Soprano Sax
1038	0	0	65	Alto Sax	Alto Sax
1039	0	0	66	Tenor Sax	Tenor Sax
1040	0	0	67	Baritone Sax	Baritone Sax
1041	0	0	68	Oboe	Oboe
1042	0	0	69	English Horn	English Horn
1043	0	0	70	Bassoon	Bassoon
1044	0	0	71	Clarinet	Clarinet
1045	0	0	72	Piccolo	Piccolo
1046	0	0	73	Flute	Flute
1047	0	0	74	Recorder	Recorder
1048	0	0	75	Pan Flute	Pan Flute
1049	0	0	76	Blown Bottle	Blown Bottle
1050	0	0	77	Shakuhachi	Shakuhachi
1051	0	0	78	Whistle	Whistle
1052	0	0	79	Ocarina	Ocarina
1053	0	0	80	Lead 1 (square)	Square Lead
1054	0	0	81	Lead 2 (sawtooth)	Sawtooth Lead
1055	0	0	82	Lead 3 (calliope)	Calliope
1056	0	0	83	Lead 4 (chiff)	Chiffer Lead
1057	0	0	84	Lead 5 (charang)	Charang Lead
1058	0	0	85	Lead 6 (voice)	Voice Lead
1059	0	0	86	Lead 7 (fifths)	Fifths Lead
1060	0	0	87	Lead 8 (bass + lead)	Bass&Lead
1061	0	0	88	Pad 1 (new age)	New age Pad
1062	0	0	89	Pad 2 (warm)	Warm Pad
1063	0	0	90	Pad 3 (polysynth)	Poly Synth
1064	0	0	91	Pad 4 (choir)	Choir Pad
1065	0	0	92	Pad 5 (bowed)	Bowed Pad
1066	0	0	93	Pad 6 (metallic)	Metallic Pad
1067	0	0	94	Pad 7 (halo)	Halo Pad
1068	0	0	95	Pad 8 (sweep)	Sweep Pad
1069	0	0	96	FX 1 (rain)	FX 1 Rain
1070	0	0	97	FX 2 (soundtrack)	FX 2 SoundTrack
1071	0	0	98	FX 3 (crystal)	FX 3 Crystal
1072	0	0	99	FX 4 (atmosphere)	FX 4 Atmosphere
1073	0	0	100	FX 5 (brightness)	FX 5 Brightness
1074	0	0	101	FX 6 (goblins)	FX 6 Goblins
1075	0	0	102	FX 7 (echoes)	FX 7 Echoes
1076	0	0	103	FX 8 (sci-fi)	FX 8 Sci-Fi
1077	0	0	104	Sitar	Sitar
1078	0	0	105	Banjo	Banjo

Voice List

1079	0	0	106	Shamisen	Shamisen
1080	0	0	107	Koto	Koto
1081	0	0	108	Kalimba	Kalimba
1082	0	0	109	Bag Pipe	Bag Pipe
1083	0	0	110	Fiddle	Fiddle
1084	0	0	111	Shanai	Shanai
1085	0	0	112	Tinkle Bell	Tinkle Bell
1086	0	0	113	Agogo	Agogo
1087	0	0	114	Steel Drums	Steel Drums
1088	0	0	115	Woodblock	Woodblock
1089	0	0	116	Taiko Drum	Taiko Drum
1090	0	0	117	Melodic Tom	Melodic Tom
1091	0	0	118	Synth Drum	Synth Drum
1092	0	0	119	Reverse Cymbal	Reverse Cymbal
1093	0	0	120	Guitar Fret Noise	Gt Fret Noise
1094	0	0	121	Breath Noise	Breath Noise
1095	0	0	122	Seashore	Seashore
1096	0	0	123	Bird Tweet	Bird Tweet
1097	0	0	124	Telephone Ring	Telephone Ring
1098	0	0	125	Helicopter	Helicopter
1099	0	0	126	Applause	Applause
1100	0	0	127	Gunshot	Gunshot

Style List

No.	Full Name	Short Name
8 Beat & 16 Beat		
1	Cool 8Beat	Cool 8Beat
2	Classic Pop	Classic Pop
3	Pop Rock 8Beat	Pop Rock 8Beat
4	8Beat Pop Ballad	8Beat Pop Bld
5	8Beat Pop 1	8Beat Pop 1
6	Cool 16Beat	Cool 16Beat
7	16Beat Pop 1	16Beat Pop 1
8	16Beat Pop 2	16Beat Pop 2
9	16Beat R&B	16Beat R&B
10	Modern 16Beat 1	Modern 16Bt 1
11	Pop Rock 1	Pop Rock 1
12	Pop Funk 1	Pop Funk 1
13	8Beat Rock	8Beat Rock
14	Guitar Pop 1	Guitar Pop 1
15	Guitar Pop 2	Guitar Pop 2
16	8Beat 1	8Beat 1
17	Sweet 8Beat	Sweet 8Beat
18	8Beat Dance	8Beat Dance
19	8Beat Disco	8Beat Disco
20	Pop Funk 2	Pop Funk 2
21	8Beat 2	8Beat 2
22	8Beat Ballad	8Beat Ballad
23	Pop Jazz	Pop Jazz
24	Rhythm & 8Beat 1	Rhythm&8Beat 1
25	Rhythm & 8Beat 2	Rhythm&8Beat 2
26	8Beat Pop 2	8Beat Pop 2
27	16Beat Pop 3	16Beat Pop 3
28	16Beat Dance	16Beat Dance
29	16Beat Pop 4	16Beat Pop 4
30	16Beat 1	16Beat 1
31	16Beat Funk 1	16Beat Funk 1
32	16Beat Ballad 1	16Beat Ballad 1
33	16Beat Funk 2	16Beat Funk 2
34	Classic 16 Beat	Classic 16 Beat
35	Modern 16Beat 2	Modern 16Bt 2
36	16Beat Funk 3	16Beat Funk 3
37	16Beat 2	16Beat 2
38	Cool Beat	Cool Beat
39	16Beat Ballad 2	16Beat Ballad 2
40	16Beat 3	16Beat 3
41	16Beat Ballad 3	16Beat Ballad 3
42	Pop Shuffle	Pop Shuffle
Rock		
43	Classic Rock	Classic Rock
44	Rock & Roll 1	Rock&Roll 1
45	70's Rock 1	70's Rock 1
46	Blues Rock 1	Blues Rock 1
47	Blues Rock 2	Blues Rock 2
48	80's Metal	80's Metal
49	Slow Rock	Slow Rock

50	New Wave	New Wave
51	Ska	Ska
52	Pop Rock 2	Pop Rock 2
53	Pop Rock 3	Pop Rock 3
54	Standard Rock	Standard Rock
55	70's Rock 2	70's Rock 2
56	Folk Rock	Folk Rock
57	Soft Rock	Soft Rock
58	Old Rock	Old Rock
59	Easy Rock	Easy Rock
60	New Shuffle	New Shuffle
61	Pop Rock 4	Pop Rock 4
62	Rock & Roll 2	Rock&Roll 2
63	Rock Shuffle	Rock Shuffle
64	Hard Rock	Hard Rock
Pop & Ballad		
65	Move Ballad	Move Ballad
66	Piano Ballad 1	Piano Ballad 1
67	Pop Dance 1	Pop Dance 1
68	Golden Song	Golden Song
69	90's Pop	90's Pop
70	British Rock Pop	British Rock Pop
71	Piano Ballad 2	Piano Ballad 2
72	British Pop 1	British Pop 1
73	Pop Dance 2	Pop Dance 2
74	Pop Fusion	Pop Fusion
75	Dream Pop 1	Dream Pop 1
76	6-8 Pop	6-8 Pop
77	Sweet Ballad	Sweet Ballad
78	British Pop 2	British Pop 2
79	Pop Hit	Pop Hit
80	Fusion Shuffle	Fusion Shuffle
81	Dream Pop 2	Dream Pop 2
82	Guitar Pop 3	Guitar Pop 3
83	Pop Beat	Pop Beat
84	Soft Beat	Soft Beat
85	6-8 Pop Ballad	6-8 Pop Ballad
86	Unplugged	Unplugged
87	Sting Latin	Sting Latin
88	R&B Ballad	R&B Ballad
89	Guitar Ballad	Guitar Ballad
90	Ballad Rock	Ballad Rock
91	Piano Pop 1	Piano Pop 1
92	Soft Ballad	Soft Ballad
93	Natural Ballad	Natural Ballad
94	Love Ballad	Love Ballad
95	Easy Ballad	Easy Ballad
96	Miami Folk	Miami Folk
97	Slow Ballad	Slow Ballad
98	Folk Ballad	Folk Ballad
99	Pop Ballad 1	Pop Ballad 1
100	Pop Ballad 2	Pop Ballad 2

101	EP Ballad	EP Ballad
102	New R&B Ballad	New R&B Ballad
Ballroom		
103	Rumba 1	Rumba 1
104	Pop Cha Cha 1	Pop Cha Cha 1
105	Tango 1	Tango 1
106	Twist 1	Twist 1
107	Twist 2	Twist 2
108	Tango 2	Tango 2
109	Tango 3	Tango 3
110	Slow Fox	Slow Fox
111	Slow Waltz 1	Slow Waltz 1
112	Swing Fox	Swing Fox
113	Salsa 1	Salsa 1
114	Big Band Fox	Big Band Fox
115	Cha Cha 1	Cha Cha 1
116	Cha Cha 2	Cha Cha 2
117	Beguine 1	Beguine 1
118	Beguine 2	Beguine 2
119	Spain Matador	Spain Matador
120	Samba 1	Samba 1
121	Samba 2	Samba 2
122	Jive	Jive
123	Fox Trot	Fox Trot
Dance		
124	Disco 1	Disco 1
125	Hip Hop 1	Hip Hop 1
126	House 1	House 1
127	House 2	House 2
128	Pop Dance 3	Pop Dance 3
129	Beat Dance	Beat Dance
130	Progressive House 1	Pro House 1
131	Techno 1	Techno 1
132	Techno 2	Techno 2
133	Progressive House 2	Pro House 2
134	Rap 1	Rap 1
135	Rap 2	Rap 2
136	Disco 2	Disco 2
137	Soft Disco	Soft Disco
138	Disco Party	Disco Party
139	70's Disco	70's Disco
140	70's Disco Funk	70's Disco Funk
141	Club Dance	Club Dance
142	Euro Dance	Euro Dance
143	Hip Hop 2	Hip Hop 2
144	Garage	Garage
Soul & Funk		
145	Modern R&B 1	Modern R&B 1
146	New R&B	New R&B
147	Pop R&B	Pop R&B
148	New Soul	New Soul
149	Funk 1	Funk 1

150	Classic Funk	Classic Funk
151	Jay R&B	Jay R&B
152	Gospel Swing 1	Gospel Swing 1
153	Gospel	Gospel
154	Funk 2	Funk 2
155	Pop Funk 3	Pop Funk 3
156	Groove Funk	Groove Funk
157	Rubber Funk	Rubber Funk
158	Cool Funk	Cool Funk
159	Jazz Funk	Jazz Funk
160	Groove	Groove
161	Soul	Soul
162	Hip Hop Soul	Hip Hop Soul
163	Hip Hop Beat	Hip Hop Beat
164	Pop Funk 4	Pop Funk 4
165	Soul Beat	Soul Beat
166	Modern R&B 2	Modern R&B 2
167	British Soul Pop	British Soul Pop
Swing & Jazz		
168	Modern Big Band 1	Md Big Band 1
169	Jazz Love Song 1	Jz Love Song 1
170	Christmas Swing	Christmas Swing
171	Big Band 1	Big Band 1
172	Jazz Love Song 2	Jz Love Song 2
173	Piano Jazz	Piano Jazz
174	Smooth Jazz 1	Smooth Jazz 1
175	Dixieland 1	Dixieland 1
176	Guitar Swing 1	Guitar Swing 1
177	Broadway Big Band	Bway Big Band
178	Gospel Swing 2	Gospel Swing 2
179	Smooth Jazz 2	Smooth Jazz 2
180	Fusion	Fusion
181	Acid Jazz	Acid Jazz
182	Cool Jazz Ballad	Cool Jazz Ballad
183	Modern Big Band 2	Md Big Band 2
184	Big Band 2	Big Band 2
185	Swing Shuffle	Swing Shuffle
186	Big Band 3	Big Band 3
187	Dixieland 2	Dixieland 2
188	Acoustic Jazz	Acoustic Jazz
189	Guitar Swing 2	Guitar Swing 2
190	Ragtime	Ragtime
191	Modern Jazz Ballad	Md Jazz Ballad
192	Swing Ballad	Swing Ballad
193	Orchestra Swing	Orchestra Swing
Country		
194	Ballad Country 1	Ballad Country 1
195	Country Folk 1	Country Folk 1
196	Ballad Country 2	Ballad Country 2
197	Modern Country 1	Mod Country 1
198	Southern Country	South Country
199	Country Pop 1	Country Pop 1

Style List

200	Ballad Country 3	Ballad Country 3
201	Bluegrass	Bluegrass
202	8Beat Country	8Beat Country
203	Modern Country 2	Mod Country 2
204	Country Pop 2	Country Pop 2
205	Country Pop 3	Country Pop 3
206	70's Country Rock	70's Country Rk
207	2-4 Country	2-4 Country
208	Country Quick Steps	Cnty Quick Steps
209	Country Folk 2	Country Folk 2
210	Country Shuffle	Country Shuffle
Latin & Latin Dance		
211	Latin 1	Latin 1
212	Bossa Nova	Bossa Nova
213	Samba 3	Samba 3
214	Latin 2	Latin 2
215	New Reggae	New Reggae
216	Reggae Dance	Reggae Dance
217	Paso Doble	Paso Doble
218	Lite Bossa	Lite Bossa
219	Latin Rock	Latin Rock
220	Beguine 3	Beguine 3
221	Slow Bolero	Slow Bolero
222	Disco Samba	Disco Samba
223	Mambo	Mambo
224	Meneito	Meneito
225	Rumba 2	Rumba 2
226	Rumba 3	Rumba 3
227	Tikitikita	Tikitikita
228	Lambada	Lambada
229	Pop Cha Cha 2	Pop Cha Cha 2
230	Pop Cha Cha 3	Pop Cha Cha 3
231	Salsa 2	Salsa 2
Waltz & Traditional		
232	Waltz	Waltz
233	Old Waltz	Old Waltz
234	English Waltz	English Waltz
235	German Waltz	German Waltz
236	Italian Mazurka	Italian Mazurka
237	Mexico Waltz	Mexico Waltz
238	Vienna Waltz	Vienna Waltz
239	Slow Waltz 2	Slow Waltz 2
240	Jazz Waltz	Jazz Waltz
241	Polka	Polka
242	6-8 March	6-8 March
243	German Polka	German Polka
244	Party Polka	Party Polka
245	Army March	Army March
246	March	March
247	US March	US March
248	Musette	Musette
249	French Musette	French Musette

250	Mazurka	Mazurka
World		
251	Enka Ballad	Enka Ballad
252	Laendler	Laendler
253	Hawaiian	Hawaiian
254	Sirtake	Sirtake
255	Dangdut	Dangdut
256	6-8 Flipper	6-8 Flipper
257	New Age	New Age
258	Tarantella	Tarantella
259	Scottish	Scottish
260	Norteno	Norteno
Pianist		
261	Pianist 1	Pianist 1
262	Pianist 2	Pianist 2
263	Pianist 3	Pianist 3
264	Jazz 1	Jazz 1
265	Jazz 2	Jazz 2
266	Jazz Pub	Jazz Pub
267	Piano Rock	Piano Rock
268	Pop Bossa	Pop Bossa
269	March 1	March 1
270	March 2	March 2
271	Piano Beat	Piano Beat
272	Piano Bar	Piano Bar
273	Blues	Blues
274	Pop Waltz	Pop Waltz
275	Slow Waltz	Slow Waltz
276	Ballad 1	Ballad 1
277	Ballad 2	Ballad 2
278	6-8 Ballad	6-8 Ballad
279	Pop 1	Pop 1
280	Pop 2	Pop 2

Song List

No.	Full Name	Short Name
Folk & Country		
1	Christmas Sound	Christmas Sound
2	Long Long Ago	Long Long Ago
3	Old Folks at Home	Old Folk at Home
4	Battle Hymn Of The Republic	Battle Hymn
5	The Old Gray Mare	Old Gray Mare
6	American Patrol	American Patrol
7	Christmas Is Coming	Christmas Come
8	Sippin' Cider Through A Straw	Sipping Cider
9	Wave Of The Danube	Wave of Danube
10	On London Bridge	On London Bridge
Golden & Pop		
11	House Of The Rising Sun	House of Rising
12	O Sole Mio	O Sole Mio
13	Der Deitcher's Dog	Deitcher's Dog
14	Joy To The World	Joy To The World
15	Silent Night	Silent Night
16	Five Hundred Miles	Five Hundred Mil
17	It's Beginning To Look A Lot Like Christmas	Like Christmas
18	Jeanie With The Light Brown Hair	Jeanie
19	Music Box Dancer	Music Box Dance
20	Entertainer	Entertainer
21	Annie Laurie	Annie Laurie
22	The Old King Cole	Old King Cole
Jazz & Fusion		
23	Samba In June	Samba In June
24	The Hip Hop's Night	HipHop's Night
25	Blue Lunch	Blue Lunch
26	Cobweb	Cobweb
27	Wine	Wine
28	Jazz Old Man	Jazz Old Man
29	Dark Eyes	Dark Eyes
Piano		
30	Lyrical Rondo	Lyrical Rondo
31	Rialto Ripples (Rag)	Rialto Ripples
32	Neapolitan Song	Neapolitan Song
33	Waltzes	Waltzes
34	Schos Doll's Dance No. 2	Doll's Dance 2
35	Minuet In D Major	Minuet In D
36	Inquietude	Inquietude
37	Italian Polka	Italian Polka
38	Moment Musical	Moment Musical
39	Prelude In C-Sharp Major	Prelude C-Sharp
40	The Happy Farmer	Happy Farmer
41	The Rag-Time Dance	The Rag-Time
42	Mazurka	Mazurka
43	Prelude In E Major	Prelude In E
44	Piano Sonata In A Major, K.331. I	Sonata K.331. I

45	Waltz For Piano In g-Sharp Minor	Waltz g-Sharp
46	Pretty Girl Ragtime	Pretty Girl
47	L' Arabesque	L' Arabesque
48	Austria Variation	AU Variation
49	Schos Doll's Dance No. 7	Doll's Dance 7
50	To A Wild Rose	To A Wild Rose
51	Gavotte I	Gavotte I
52	Waltz	Waltz
53	Minuet In G Major (BWV Anh. 116)	BWV Anh. 116
54	Innocence	Innocence
55	Tchaikovsky Waltz	Tchaikovsky Walz
56	Barcarolle	Barcarolle
57	Robot Doll	Robot Doll
58	Consolation	Consolation
59	Minuet In G Major (BWV Anh. 114)	BWV Anh. 114
60	Piano Sonata In C Major, K.545.	Sonata K.545.
61	Norwegian Dance No.2	Norwegian No.2
62	The Small Gathering	The Gathering
63	The Return	The Return
64	The Wagtail	The Wagtail
65	Bulie Dance	Bulie Dance
66	Tender Blossom	Tender Blossom
67	Grace	Grace
68	Progress	Progress
69	Eclogue	Eclogue
70	The Limpid Stream	Limpid Stream
71	The Chatterbox	The Chatterbox
72	Tarantella	Tarantella
73	Frankness	Frankness
74	The Farewell	The Farewell
75	The Chase	The Chase
76	Habanera	Habanera
77	Prelude In C Major	Prelude C Major
78	Piano Sonate Op.49-2	Sonate Op.49-2
79	Maple Leaves Ragtime	Maple Leaves
80	Chicken Pecking Ragtime	Chicken Pecking
81	Gipsy Rondo	Gipsy Rondo
82	Fountain	Fountain
83	Fur Elise	Fur Elise
84	Dove	Dove
85	Knight	Knight
86	Menuett G-Dur 4	Menuett G-Dur 4
87	Gavotte	Gavotte
88	The Entertainer	The Entertainer
89	Swallow	Swallow
90	Minute Waltz	Minute Waltz

Phrase Pad List

No.	Full Name	Short Name
Keyboard Pattern		
1	Piano Beat	Piano Beat
2	Piano Arpeggio	Piano Arpeggio
3	Piano Glissando	Piano Glissando
4	Latin Beat	Latin Beat
5	Rock Piano	Rock Piano
6	Blues Organ	Blues Organ
7	Heaven Pad	Heaven Pad
8	Echo Drops	Echo Drops
Guitar Pattern		
9	Electric Guitar 16Beat 1	E.Gt 16Beat 1
10	Electric Guitar 16Beat 2	E.Gt 16Beat 2
11	Electric Guitar 16Beat 3	E.Gt 16Beat 3
12	Funk Guitar 1	Funk Guitar 1
13	Funk Guitar 2	Funk Guitar 2
14	Funk Guitar 3	Funk Guitar 3
15	Dance Guitar	Dance Guitar
16	Electric Guitar Shuffle 1	E.Gt Shuffle 1
17	Electric Guitar Shuffle 2	E.Gt Shuffle 2
18	Pick Electric Guitar	Pick E.Guitar
19	Electric Guitar Shuffle 3	E.Gt Shuffle 3
20	6-8 Electric Guitar	6-8 E.Guitar
21	Rhythm Electric Guitar 1	Rhythm E.Gt 1
22	Rhythm Electric Guitar 2	Rhythm E.Gt 2
23	Rock Guitar 1	Rock Guitar 1
24	Rock Guitar 2	Rock Guitar 2
25	Rhythm Steel Guitar 1	Rhythm StGt 1
26	Rhythm Steel Guitar 2	Rhythm StGt 2
27	Steel Guitar Chord 1	SteelGt Chord 1
28	Steel Guitar Chord 2	SteelGt Chord 2
29	Steel Triplet 1	Steel Triplet1
30	Steel Triplet 2	Steel Triplet2
31	6-8 Steel Guitar	6-8 Steel Guitar
32	Pick Steel Guitar 1	Pick SteelGt 1
33	Pick Steel Guitar 2	Pick SteelGt 2
34	Pick Steel Guitar 3	Pick SteelGt 3
35	Pick Steel Guitar 4	Pick SteelGt 4
36	Nylon Guitar 1	Nylon Guitar 1
37	Nylon Guitar 2	Nylon Guitar 2
38	BossaNova Guitar 1	BossaNova Gt 1
39	BossaNova Guitar 2	BossaNova Gt 2
40	Flamenco Guitar	FlamencoGt
41	Nylon Guitar Chord	NylonGt Chord
42	Jazz Guitar	Jazz Guitar
Strings Pattern		
43	Brilliant Strings	Brilliant Str
44	Lyric Strings	Lyric Strings
45	Strings Accomp	Strings Accomp
46	Classical string	Classical string
47	Marching Strings	Marching Strings
48	Classic Strings	Classic Strings

49	Orchestra Hit	OrchestraHit
50	Harp Arpeggio	Harp Arpeggio
51	Harp Glissando	Harp Glissando
Brass Pattern		
52	Big Band 1	Big Band 1
53	Big Band 2	Big Band 2
54	Big Band 3	Big Band 3
55	Brass Swing	Brass Swing
56	Trumpet Swing	Trumpet Swing
57	Brass Beat	Brass Beat
58	Brass Chord 1	Brass Chord 1
59	Brass Chord 2	Brass Chord 2
60	Brass Chord 3	Brass Chord 3
61	Brass SFX	Brass SFX
62	Synth Brass SFX	Synth Brass SFX
63	Marching Brass	Marching Brass
64	Victory Brass	Victory Brass
Electric Pattern		
65	Trance 1	Trance 1
66	Trance 2	Trance 2
67	Techno 1	Techno 1
68	Techno 2	Techno 2
69	Techno 3	Techno 3
70	Garage	Garage
71	Euro Dance	EuroDance
72	Synth Dance	Synth Dance
Rhythm Pattern		
73	Latin 1	Latin 1
74	Latin 2	Latin 2
75	Latin 3	Latin 3
76	Latin 4	Latin 4
77	Latin 5	Latin 5
78	Conga & Bongo	Conga&Bongo
79	Carnival Percussion	CarnivalPerc
80	Latin Pop	LatinPop
81	Rumba	Rumba
82	Samba	Samba
83	Brush 1	Brush 1
84	Brush 2	Brush 2
85	Maracas & Tambourine	Maracas&Tamb
86	Africa 1	Africa 1
87	Africa 2	Africa 2
88	Pop Percussion 1	Pop Percussion 1
89	Pop Percussion 2	Pop Percussion 2
90	Pop Percussion 3	Pop Percussion 3
91	BossaNova 1	BossaNova 1
92	BossaNova 2	BossaNova 2
93	BossaNova 3	BossaNova 3
94	Salsa 1	Salsa 1
95	Salsa 2	Salsa 2
96	Reggae 1	Reggae 1
97	Reggae 2	Reggae 2

Phrase Pad List

Percussion		
98	Cymbals	Cymbals
99	Bells	Bells
100	Magic Bells	MagicBells
101	Arabic 1	Arabic 1
102	Arabic 2	Arabic 2
103	Latin Kit 1	Latin Kit 1
104	Latin Kit 2	Latin Kit 2
105	Latin Kit 3	Latin Kit 3
106	Latin Kit 4	Latin Kit 4
107	Oriental Kit	Oriental Kit
Dance Pattern		
108	House 1	House 1
109	House 2	House 2
110	House 3	House 3
111	Electro	Electro
112	Big House	Big House
113	Tribal	Tribal
114	Break Beat	Break Beat
115	Hip Hop 1	Hip Hop 1
116	Hip Hop 2	Hip Hop 2
117	Shuffle	Shuffle
118	R&B	R&B
119	Snare 1	Snare 1
120	Snare 2	Snare 2
Drums		
121	Acoustic Tom	Acoustic Tom
122	Acoustic Snare	Acoustic Snare
123	Crash Cymbals	Crash Cymbals
124	Standard Kit 1	Standard Kit 1
125	Standard Kit 2	Standard Kit 2
126	Drum Solo	Drum Solo
127	Dance Kit	Dance Kit
128	Electric Kit 1	Electric Kit 1
129	Electric Kit 2	Electric Kit 2
130	MIX	MIX
Club DJ Pattern		
131	Club DJ 1	Club DJ 1
132	Club DJ 2	Club DJ 2
133	Club DJ 3	Club DJ 3
134	Club DJ 4	Club DJ 4
135	House DJ 1	House DJ 1
136	House DJ 2	House DJ 2
137	House DJ 3	House DJ 3
138	House DJ 4	House DJ 4
139	Electric House 1	Electric House 1
140	Electric House 2	Electric House 2
141	Electric House 3	Electric House 3
142	Electric House 4	Electric House 4
143	Hip Hop DJ 1	Hip Hop DJ 1
144	Hip Hop DJ 2	Hip Hop DJ 2
145	Hip Hop DJ 3	Hip Hop DJ 3

146	Hip Hop DJ 4	Hip Hop DJ 4
147	Electric DJ 1	Electric DJ 1
148	Electric DJ 2	Electric DJ 2
149	Electric DJ 3	Electric DJ 3
150	Electric DJ 4	Electric DJ 4
151	House Pad 1	House Pad 1
152	House Pad 2	House Pad 2
153	House Pad 3	House Pad 3
154	House Pad 4	House Pad 4
155	Electro Step 1	Electro Step 1
156	Electro Step 2	Electro Step 2
157	Electro Step 3	Electro Step 3
158	Electro Step 4	Electro Step 4
159	MIX DJ 1	MIX DJ 1
160	MIX DJ 2	MIX DJ 2
161	MIX DJ 3	MIX DJ 3
162	MIX DJ 4	MIX DJ 4
163	Progressive House 1	Pro House 1
164	Progressive House 2	Pro House 2
165	Progressive House 3	Pro House 3
166	Progressive House 4	Pro House 4
167	Club House 1	Club House 1
168	Club House 2	Club House 2
169	Club House 3	Club House 3
170	Club House 4	Club House 4
SFX		
171	Sound Effects	Sound Effects
172	Car SFX	Car SFX
173	Natural SFX 1	Natural SFX 1
174	Natural SFX 2	Natural SFX 2
Other Pattern		
175	Electric Mix 1	Electric Mix 1
176	Electric Mix 2	Electric Mix 2
177	Dance Mix 1	Dance Mix 1
178	Dance Mix 2	Dance Mix 2
179	Reggae Beat	Reggae Beat
180	Xmas Loops	Xmas Loops

Chord List

Chord Name	Abbreviation	Normal Voicing	Display for root "C"
Major	M	1+3+5	C
Sixth	6	1+(3)+5+6	C6
Major seventh	M7	1+3+(5)+7	CM7
Major seventh add sharp eleventh	M7(#11)	1+(2)+3+#4+5+7	CM7(#11)
Add ninth	(9)	1+2+3+5	C(9)
Major seventh ninth	M7(9)	1+2+3+(5)+7	CM7(9)
Sixth ninth	6(9)	1+2+3+(5)+6	C6(9)
Augmented	aug	1+3+#5	Caug
Minor	m	1+b3+5	Cm
Minor sixth	m6	1+b3+5+6	Cm6
Minor seventh	m7	1+b3+(5)+b7	Cm7
Minor seventh flatted fifth	m7b5	1+b3+b5+b7	Cm7b5
Minor add ninth	m(9)	1+2+b3+5	Cm(9)
Minor seventh ninth	m7(9)	1+2+b3+(5)+b7	Cm7(9)
Minor seventh eleventh	m7(11)	1+(2)+b3+4+5+(b7)	Cm7(11)
Minor major seventh	mM7	1+b3+(5)+7	CmM7
Minor major seventh ninth	mM7(9)	1+2+b3+(5)+7	CmM7(9)
Diminished	dim	1+b3+b5	Cdim
Diminished seventh	dim7	1+b3+b5+6	Cdim7
Seventh	7	1+3+(5)+b7	C7
Seventh suspended fourth	7sus4	1+4+5+b7	C7sus4
Seventh flatted fifth	7b5	1+3+b5+b7	C7b5
Seventh ninth	7(9)	1+2+3+(5)+b7	C7(9)
Seventh add sharp eleventh	7(#11)	1+(2)+3+#4+5+b7	C7(#11)
Seventh add thirteenth	7(13)	1+3+(5)+6+b7	C7(13)
Seventh flatted ninth	7(b9)	1+b2+3+(5)+b7	C7(b9)
Seventh add flatted thirteenth	7(b13)	1+3+5+b6+b7	C7(b13)
Seventh sharp ninth	7(#9)	1+#2+3+(5)+b7	C7(#9)
Major seventh augmented	M7aug	1+(3)+#5+7	CM7aug
Seventh augmented	7aug	1+3+#5+b7	C7aug
Suspended fourth	sus4	1+4+5	Csus4
One plus two plus five	sus2	1+2+5	C/Csus2
Flatted Fifth	b5	1+3+b5	Cb5
Major seventh flatted fifth	M7(b5)	1+3+b5+7	CM7b5
Minor major seventh flatted fifth	mM7(b5)	1+b3+b5+7	CmM7(b5)
1+8	1+8	1+8	C1+8
1+5	1+5	1+5	C1+5
Cancel	/	1+b2+2	Cancel
Cancel2	/	1+b2+2+b3	Cancel/C

Part Effect List

Part Effect Category	Name
Arpeggio - Basic	Up
	Down
	Alt 1
	Alt 2
	As Played
	Random
	Arpeggio - Keyboard
Piano 2	
Piano 3	
Piano 4	
Piano 5	
Piano 6	
Piano 7	
Piano 8	
Piano 9	
Piano 10	
Piano 11	
Piano 12	
Piano 13	
Clavi 1	
Clavi 2	
Organ 1	
Organ 2	
Organ 3	
E.Piano 1	
E.Piano 2	
Arpeggio - Guitar	FunkGuitar
	BluesGuitar
	RockGuitar
	JazzGuitar
	FolkGuitar
	PopGuitar
Arpeggio - Orchestra	Strings 1
	Strings 2
	Strings 3
	Strings 4
	Strings 5
	Brass 1
	Brass 2
	Brass 3
	Brass 4
	Brass 5
Arpeggio - Melody	SoloViolin
	SoloTrumpet
	SoloFlute
	SoloPizzViolin
	SoloSax
	SoloHarp

Arpeggio - Chord	Chord 1
	Chord 2
	Chord 3
	Chord 4
	Chord 5
	Chord 6
	Chord 7
	SynChord 1
	SynChord 2
	SynChord 3
	SynChord 4
	SynChord 5
	Arpeggio - Electro
House 2	
House 3	
House 4	
House 5	
Disco 1	
Disco 2	
Disco 3	
Disco 4	
Disco 5	
Dance 1	
Dance 2	
Dance 3	
Dance 4	
Dance 5	
Trance 1	
Trance 2	
Trance 3	
Trance 4	
Trance 5	
Arpeggio - Synth	Lead 1
	Lead 2
	Lead 3
	Lead 4
	Lead 5
	Lead 6
	Lead 7
	Lead 8
	Lead 9
	Lead 10
	Pad 1
	Pad 2
	Pad 3
	Pad 4
	Pad 5
	Bass 1
	Bass 2
Bass 3	
Bass 4	
Bass 5	

Arpeggio - Drums	LatinSet
	R&BSet
	FunkSet
	JazzSet
	8BeatSet
SwingSet	
Harmony	Duet
	Country Duet
	Rock Duet
	Trio
	Country Trio
	Full Chord
	Block
	4 Close 1
	4 Close 2
	4 Open
	Octave
1 + 5	
Strum	
Echo	Echo 4
	Echo 6
	Echo 8
	Echo 12
Tremolo	Tremolo 8
	Tremolo 12
	Tremolo 16
	Tremolo 32
Trill	Trill 12
	Trill 16
	Trill 24
	Trill 32
Slicer - Filter	Filter&Volume 1
	Filter&Volume 2
	Filter&Volume 3
	Filter&Volume 4
	Filter&Volume 5
	Filter&Volume 6
	Filter&Volume 7
	Filter&Volume 8
	Filter&Volume 9
Filter 1	
Filter 2	
Filter 3	
Slicer - Volume	Volume 1
	Volume 2
	Volume 3

Insert Effect List

Effect Type	Full Name
Reverb	Hall 1
	Hall 2
	Hall 3
	Room 1
	Room 2
	Stage
	Modern Church
	Real Piano
Tempo Delay	Tempo Delay
	Tempo Echo
Pan Delay	Cross Delay
Chorus	Chorus 1
	Celeste
	Symphonic
	GM Rotary 1
	GM Rotary 2
	Real Chorus
	Classic Flanger
Rotary	Dual Rotary 1
	Dual Rotary 2
Phaser	Phaser 2
Tempo Phaser	Tempo Phaser
Overdrive	Overdrive
	Classic Overdrive
AMP	Solid
	Classic AMP 1
	Classic AMP 2
Distortion	Hard Distortion
	Metal Distortion
Hard Rock	Classic Metal Distortion
	Classic Hard Distortion
EQ	Flat
	Low
	Home
	Concert
	Profession Audio
	Hi-Fi
	Rock
Compressor	Bypass
	Standard
	Limiter
	Attack
	MIC Compressor
Tremolo/Pan	Vibrator
	Auto Pan
	Classic Tremolo
Auto Wah	Auto Wah
Tempo Wah	Tempo Auto Wah

Controller Function List

Module	Name	Function Description
Knob		
Sound	Cutoff	Turning right to make the voice brighter.
	Resonance	Turning left to make the voice richer.
	Filter	Changing the character of the voice.
	Attack	Turning right to increase the duration of the voice attack.
	Decay	Turning right to increase the duration of the voice decay.
	Release	Turning right to increase the duration of the voice release.
	Envelope	Turning right to increase the duration of the voice envelope.
Style	Retrigger Switch	Turning left to turn off the style retrigger. Turning right to turn on the style retrigger.
	Retrigger Rate	Turning right to make the style repetition shorter.
	Retrigger	Turning to far left to turn off the retrigger. Turning right to make the style repetition shorter.
	Channel Mute 1	Turning to far left to playback the drum track only. Turning right to turn on the Percussion, Bass, Chord1, Chord2, Chord3, Phrase1, Phrase2 orderly.
	Channel Mute 2	Turning to far left to playback the Chord1 only. Turning right to turn on the Chord2, Chord3, Bass, Phrase1, Phrase2, Drum, Percussion orderly.
Master	Volume	Turning right to increase the volume level.
	Tempo	Turning right to increase the system tempo.
	Pan	Turning right to adjust the pan to right.
	Reverb	Turning right to increase the reverb level.
	Chorus	Turning right to increase the chorus level.
Arp	Arp Velocity	Turning right to increase the velocity of every step in the Arp sequence.
	Arp Gate	Turning right to increase the note duration in the Arp sequence.
	Arp Rate	Turning right to make the note playback faster in the Arp sequence.
	Arp Swing	Turning right to make the note in the Arp sequence swing more pronounced.
Pedal		
Keyboard	Sustain	Pressing the pedal to lengthen the notes being played.
	Sostenuto	Pressing the pedal after playing a note, the note sound will continue until the pedal released. But the other notes played after the pedal pressed will not sustain.
	Soft	Pressing the pedal to make the notes weaker, and the sound may change.
	Portamento	Pressing the pedal, the notes have portamento effect, release the pedal to cancel the effect.
	Mono Legato	Pressing the pedal and the current voice playing mode turns into mono legato. Release the pedal to restore to original playing mode.
	Modulation	Pressing the pedal to apply the modulation on the playing notes, such as vibrato, release the pedal to cancel the effect.
	Keyboard Latch	Pressing the pedal, the note sound will be continue after releasing the key until the next note pronounced. Release the pedal to resume normal playing.
Part Effect	Part Effect Switch	Pressing the pedal to turn the Effect on or off.
	Arp Latch	When the current part effect is set as arpeggio, pressing the pedal and play. When the key is released, arpeggio continues to play.
	Slicer Switch	Pressing the pedal and apply the slicer effect on the playing notes. Release the pedal to cancel the effect.
	Slicer Speed	Pressing the pedal when using real-time slicer, the slicer tempo will increase.
Sound	Cutoff	Pressing the pedal to adjust the cutoff frequency of the filter to change the brightness of the sound.
	Resonance	Pressing the pedal to adjust the resonance of the filter, making the sound more flat or rich.
	Filter	Pressing the pedal to adjust the filter and change the characteristics of the sound.
	Acoustic Expression	Pressing the pedal to trigger special effects or playing techniques of voice.

Controller Function List

Style	Start/Stop	Pressing the pedal to start or stop the playing style.
	Sync Start	Pressing the pedal to turn Sync Start on or off.
	Sync Stop	Pressing the pedal to turn Sync Stop on or off.
	Fade In/Out	Pressing the pedal to turn Fade In/Out on or off.
	Sync Style	When the Style playback, you can use the Sync Style function, pressing the pedal to immediately re-play the current bar.
	Half Bar Fill In	During the Style playback, pressing the pedal when switch the Fill In section to trigger the Half Bar Fill In, only half bar of the Fill In section will be played.
Microphone	Talking Mode Switch	Pressing the pedal to switch the microphone between Talk mode and Vocal mode.
	Vocal Effect Switch	Pressing the pedal to turn the microphone effect on or off.
Master	Volume	Pressing the pedal, you can adjust the volume of each part.
	Tap Tempo	The system tempo can be set by repeatedly pressing the pedal at a certain frequency.
	Next O.T.S.	Pressing the pedal to switch to next O.T.S..
	Last O.T.S.	Pressing the pedal to switch to last O.T.S..
	Next Memory	Pressing the pedal to switch to next Memory.
	Last Memory	Pressing the pedal to switch to last Memory.
Switch		
Joystick	Modulation Lock	When the joystick is set to modulation, turn on the switch to lock the current modulation effect.
	Voice Control	Turn on the switch to set the function of joystick as voice control. Then you can change the voice effect by using joystick.
Keyboard	Portamento	Turn on the switch to applies the portamento effect to the notes you played.
	Mono Legato	Turn on the switch to applies the legato effect to the notes you played.
	Modulation	Turn on the switch to applies the modulation effect to the notes you played.
	Arp Latch	When part effect is set to Arp, turn on the switch to remain playing Arp after releasing the keys.
	Keyboard Latch	Turn on the switch, the note sound will be continue after releasing the key until next note pronounces. Turn off the switch to back to normal playing.
	Slicer Switch	Turn on the switch to using the slicer effect to played note. Turn off the switch to cancel.
	Acoustic Expression	Press the switch to trigger the special effects or playing techniques.
	Touch Response Switch	Turn off the switch to turn off the touch response of the keyboard.
Style	Sync Style	Press the switch during style playback to replay the current bar.
	Scale Response	Turn on the switch, the style playback will response to scale tuning.
Joystick		
Modulation	Modulation	Using joystick to modulate the voice in real time.
Pitch Bend	Pitch Bend Up	Using joystick to change the pitch up in real time.
	Pitch Bend Down	Using joystick to change the pitch down in real time.
Voice	Filter	Using joystick to adjust the filter in real time.
	Envelope	Using joystick to adjust the voice envelope in real time.
	Voice Control	Using joystick to control voice effect in real time.

MIDI Implementation List

Function		Transmitted	Recognized	Remarks
Basic	Default	1ch	ALL	
Channel	Changed	1ch	1-16ch	
Mode	Default	x	3	
	Messages	x	3	
	Altered	*****	x	
Note		0 - 127	0 - 127	
Number	True voice	*****	0 - 127	
Velocity	Note on	o 90H, V=1-127	o 9nH, V=1-127	
	Note off	x (90H, V=0)	o (9nH, V=0; 8nH, V=0-127)	
After	Key's	x	x	
Touch	Ch's	x	x	
Pitch Bend		o	o	
Control	0	o	o	Bank Select
Change	1	o	o	Modulation
	5	o	o	Portamento Time
	6	o	o	Data Entry
	7	o	o	Volume
	10	o	o	Pan
	11	o	o	Expression
	64	o	o	Sustain Pedal
	65	o	o	Portamento ON/OFF
	66	o	o	Sostenuto Pedal
	67	o	o	Soft Pedal
	80	x	o	Reverb Program
	81	x	o	Chorus Program
	91	o	o	Reverb Level
	93	o	o	Chorus Level
	120	x	o	All Sound Off
	121	x	o	Reset All Controllers
	123	o	o	All Notes off
Program		o	o	
Change	:True	*****	0-127	
System Exclusive		o	o	
System	:Song Position	x	x	
Common	:Song Select	x	x	
	:Tune	x	x	
System	:Clock	o	x	
Real Time	:Commands	o	x	
Aux	:Local ON/OFF	x	x	
	:All Notes Off	o	o	
Messages	:Active Sense	x	o	
	:Reset	x	o	
Note:				

Mode 1: OMNI ON, POLY
Mode 3: OMNI OFF, POLY

Mode 2: OMNI ON, MONO
Mode 4: OMNI OFF, MONO

O :YES
X :NO

