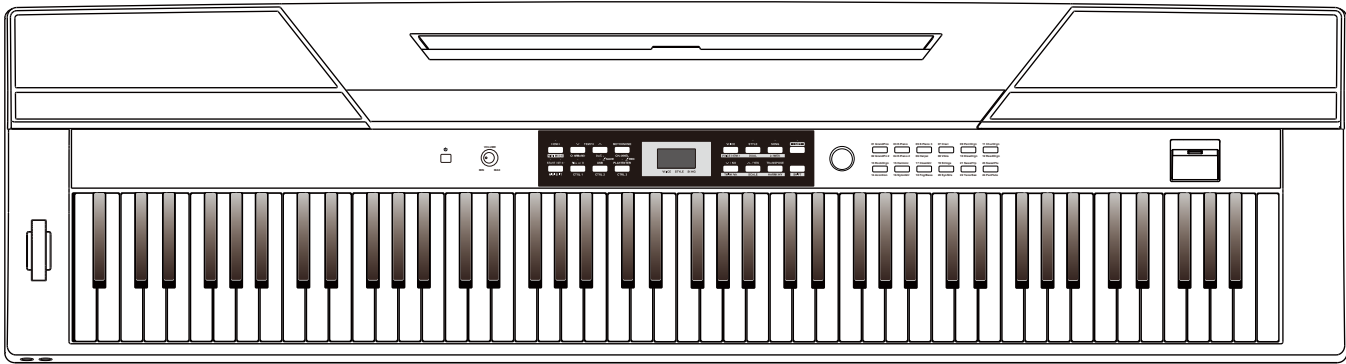# STAGE PIANO

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 AC 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 AC 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.

Contents

Panel Description

Front Panel
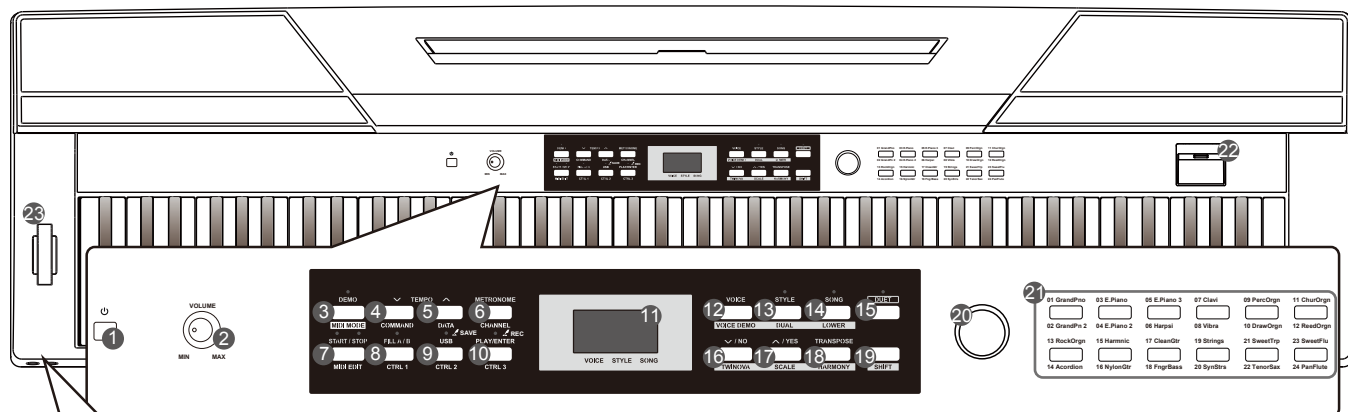
1. [POWER] Switch
Turn the power on or off.

2. [VOLUME] Knob
Adjust the master volume.

3. [DEMO]/[MIDI MODE] Button
Start/Stop demo playback.
Press and hold [shift], then press
[MIDI MODE] to turn MIDI MODE
on or off.

11. The NIXIE TUBE Display
Display all the parameters and
values related to the currently
selected operation and mode of
the piano.

15. [DUET] Button
Turn the duet function on or off.

19. [SHIFT] Button
Press and hold [SHIFT], then
press other button enables you
to execute various commands.

20. Data Dial
Adjust the value.

21. VOICE Select Buttons
Quickly select a preset voice.

22. USB Port
Connect a USB flash drive.

23. [PITCH BEND] Wheel
Roll the wheel upward or downward
to raise or lower the pitch.

51-52. PHONE 1 and PHONE 2
Connect stereo headphones with a
¼" stereo phone plug.

When exit the MIDI controller mode：

4. [TEMPO -] Button
Decrease the tempo value.

5. [TEMPO +] Button
Increase the tempo value.

6. [METRONOME] Button
Turn the metronome on or off.

7. [START/STOP] Button
Start or Stop playing the song or style.

8. [FILL A/B] Button
Fill in variation A/ B section.

9. [USB]/[SAVE] Button
Play the MIDI songs on USB flash drive.
Press and hold the button to save user
song to USB flash drive.

10. [PLAY/ENTER]/[REC] Button
Play back the recorded song.
Press and hold the button to enter
Recording mode.

When the [SHIFT] button is released：

12. [VOICE] Button
Switch to voice mode.

13. [STYLE] Button
Switch to style mode.

14. [SONG] Button
Enter the song mode.

16. [-/NO] Button
Decrease the parameter value or
execute "NO" operation.

17. [+/YES] Button
Increase the parameter value or
execute "YES" operation.

18. [TRANSPOSE] Button
Enter the transpose setting.

When enter the MIDI controller mode：

4. [COMMAND] Button
Switch to command edit mode.

5. [DATA] Button
Switch to value edit mode.

6. [CHANNEL] Button
Switch to channel edit mode.

7. [MIDI EDIT] Button
Enter or Exit MIDI controller edit mode.

8. [CTRL 1] Button
Transmit controller 1 data, or switch
to controller 1 edit mode.

9. [CTRL 2] Button
Transmit controller 2 data, or switch
to controller 2 edit mode.

10. [CTRL 3] Button
Transmit controller 3 data, or switch
to controller 3 edit mode.

When the [SHIFT] button is pressed：

12. [VOICE DEMO] Button
Start or Stop playing voice demo.

13. [DUAL] Button
Turn the dual function on or off.

14. [LOWER] Button
Turn the lower function on or off.

16. [TWINOVA] Button
Turn the TWINOVA function on or off.

17. [SCALE] Button
Turn the scale function on or off.

18. [HARMONY] Button
Turn the harmony function on or off.

04

24. [BEEP] Key
Turn the prompt tone on or off.

25. [PEDAL RESONANCE] Key
Turn the pedal resonance on or off.

26. [TOUCH] Keys
Set an appropriate touch sensitivity level.

27. [TUNE] Keys
Adjust the tune value.

28. [OCTAVE] Keys
In TWINOVA mode, adjust the octave value.

29. [SCALE TYPE] Keys
In SCALE mode, select different scale types.

30. [SCALE ROOT] Keys
In SCALE mode, set the root note of scale.

31. [REVERB] Keys
Turn the reverb effect on/off, or select the desired reverb effect type.

32. [CHORUS] Keys
Turn the chorus effect on/off, or select the desired chorus effect type.

33. [EQ] Keys
Select the desired EQ effect type.

34. [DUET] Keys
Select the desired duet effect type.

35. [HARMONY] Keys
Select the desired harmony effect type.

36. [MELODY OFF] Keys
In the SONG mode, press "L"/"R" to mute/activate left or right-hand part, allowing each part to be practiced separately.

37. [METRONOME] Keys
Set the metronome type.

38. [ACCOMP VOLUME] Keys
Set the accompaniment volume value.

39. [TEMPO] Keys
Set the tempo value.

40. [STYLE] Keys
Select the desired style.

41. [SONG] Keys
Select the desired song.

In the MIDI controller edit mode:

42. [MIDI] Keys
In the MIDI edit mode, set parameter value which related to MIDI controllers.

Rear Panel
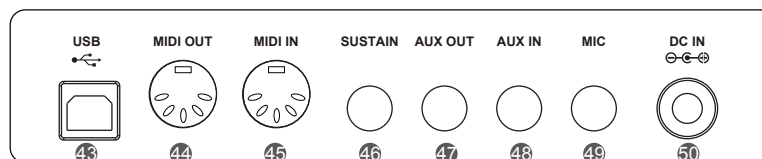
43. USB Terminal
Connect to a computer.

44. MIDI OUT Jack
Transmit MIDI messages to an external MIDI device.

45. MIDI IN Jack
Receive MIDI messages from an external MIDI device.

46. SUSTAIN Jack
Connect a sustain pedal.

47. AUX OUT Jack
Connect an external audio equipment.

48. AUX IN Jack
Connect an external audio source, such as an MP3 or CD player.

49. MIC Jack
Connect a microphone with a ¼" stereo phone plug.

50. DC 12V
Connect DC 12V power adaptor.

Setup

This section contains information about setting up your instrument and preparing to play. Please go through this section carefully before turning the power on.

Setting a Music Stand

Follow the images on the right, and install the music stand correctly. A music stand is supplied with the keyboard. You can easily attach it to the instrument by inserting it into the slots at the rear of the panel.

Power Supply

1. Make sure that the piano is turned off. Before you switch your piano on or off, turn down the volume of piano and any connected audio equipments first.
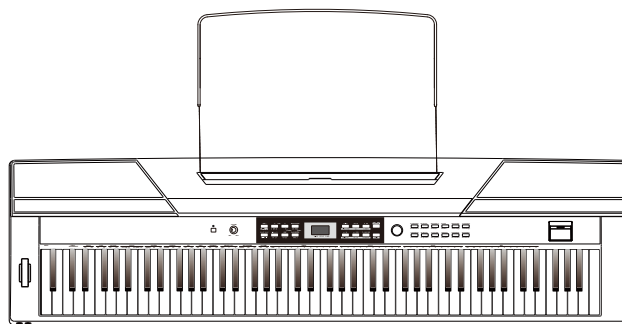
2. Connect the AC adaptor to the power supply jack of this piano.

3. Plug the AC adaptor into an AC outlet.

4. Press the POWER switch, the nixie tube displays"0.01", which indicates the piano is power on.

5. If you are ready to turn off the piano, please long press the POWER switch.

Note:
1. In order to save energy, we have designed the "Automatic Shutdown" function to the piano. With this function, the keyboard will automatically shutdown in 30 minutes later if you do not take any action on the piano. If you don't need this feature, just press and hold the [A0] key (the 1st key) and turn it on.

2. When the piano is not in use or during thunderstorm, please disconnect the power for safety purpose.

VOLUME

MIN   MAX

USB   MIDI OUT   MIDI IN   SUSTAIN   AUX OUT   AUX IN   MIC   DC IN
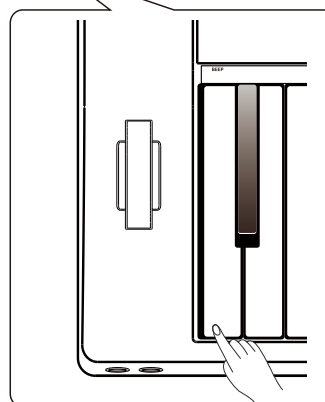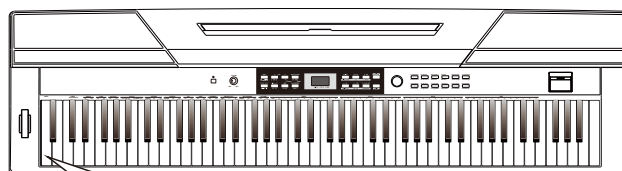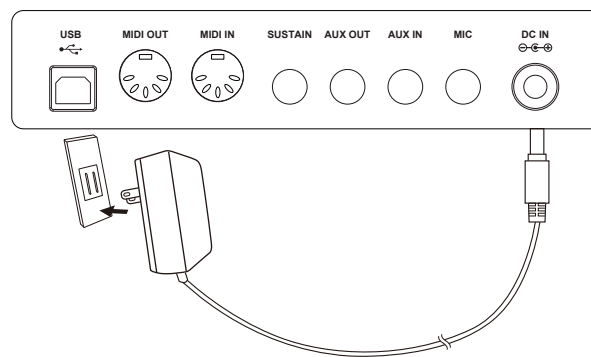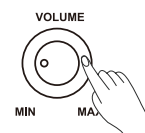
Connections

Connecting a pair of Headphones

A standard pair of stereo headphones can be plugged in here for private practice or late-night playing.

Jack1: When a pair of headphones is plugged into the jack 1, the sound can be heard from both headphones and speakers of the instrument.

Jack2: When a pair of headphones is plugged into the jack 2, the internal stereo speaker system is automatically shut off. The sound can only be heard from headphones.

Note:

To avoid the risk of hearing loss when using headphones,please do not play the piano with a high volume level for a long time.

Connecting an Audio Equipment

The rear-panel AUX OUT jack delivers the output of the instrument for connection to a keyboard amplifier, stereo sound system, a mixing console, or tape recorder.

Use an audio cable to plug into the AUX OUT jack located on the rear board, then plug the other end of the cord into AUX IN of the amplifier.
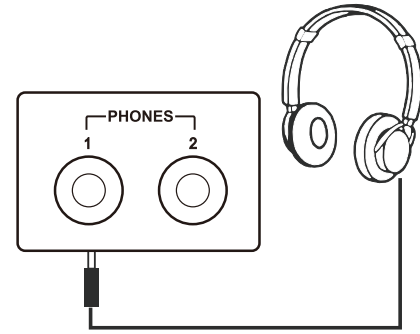
Note:

To avoid damaging the speakers, please ensure that the volume has been set to the minimum level before connecting the power and other devices.
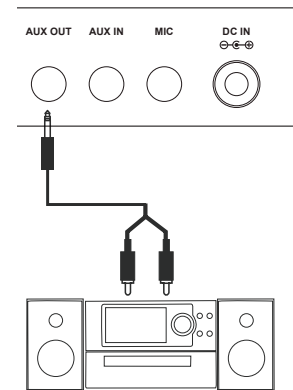
Connecting a MP3/CD Player

Connect the audio output of an MP3/CD player or other audio Source to the stereo AUX IN jack on the rear panel.
The input signal is mixed with the piano signal, allowing you to play along.
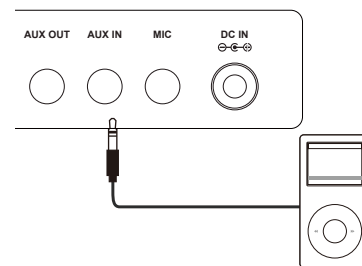
Connecting a PC or an MIDI Device

MIDI OUT Connector

Connect the instrument MIDI OUT terminal to the MIDI IN terminal of external device via the MIDI cables. All performance data will be transmitted from this connector to connected PC or MIDI devices. This instrument will be used as the MIDI controller. Namely the external sound source can be used through this instrument.

MIDI IN Connector

Connect the MIDI IN terminal to PC or the MIDI OUT terminal of external device with MIDI cables. In order to be used as a sound source, all the performance data will be transmitted from other MIDI devices to the instrument.

USB Connector

By connecting the USB terminal to PC, the data will be transmitted between the instrument and the PC via the USB cables.
For example, you can save your instrument performance data in the PC and playback the saved MIDI file by piano.

Note:

Please do not set the USB audio to be input and output simultaneously when you are setting the software on the PC. Otherwise the sound will be overlapped when play the keyboard.
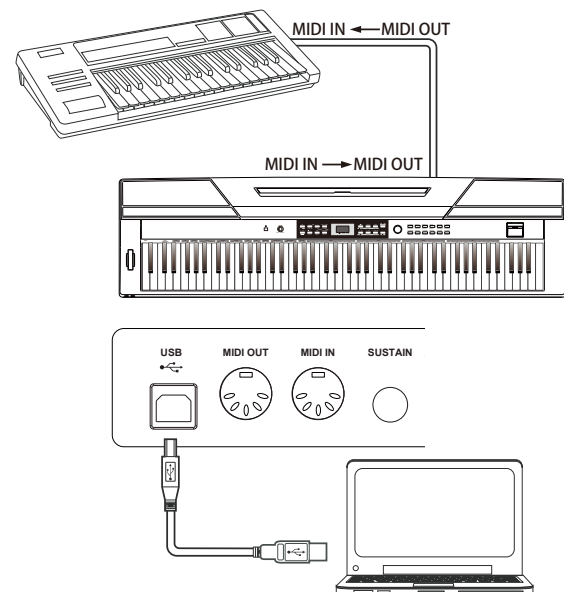
Connections

Connecting a Footswitch

An optional footswitch can be plugged into the sustain jack and be used to switch sustain on or off. Simply by pressing a sustain footswitch, you will have a natural sustain as you play.

Note:
1. This instrument supports not only the foot switch we supply, but also those with other brands.
2. Make sure the power is off when connecting the pedal with other brand, otherwise the sequence of switch on/off will be reversed when turning the piano on.
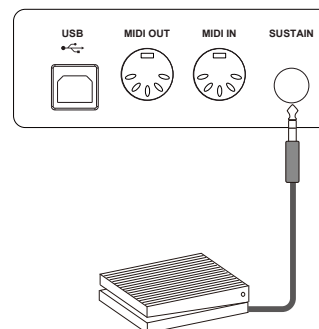
Connecting a Unit Pedal

To simulate the real piano, you can also connect a unit pedal to the unit pedal jack on the bottom cover, then it contains three functional pedals: Sustain, Sostenuto, Soft.

Sustain Pedal
When the sustain pedal is pressed, notes sustain longer. Releasing the pedal immediately stops any sustained notes.
It also supports the half-pedal operation, which makes your sustain effect more smooth and real when you are performing.

Sostenuto Pedal
When the sostenuto pedal is pressed, the notes played before you step on the pedal would have a sustain effect.

Soft Pedal
When the soft pedal is pressed, all notes played on the keyboard will have a softer effect.

Note:
The unit pedal needs to be purchased separately.
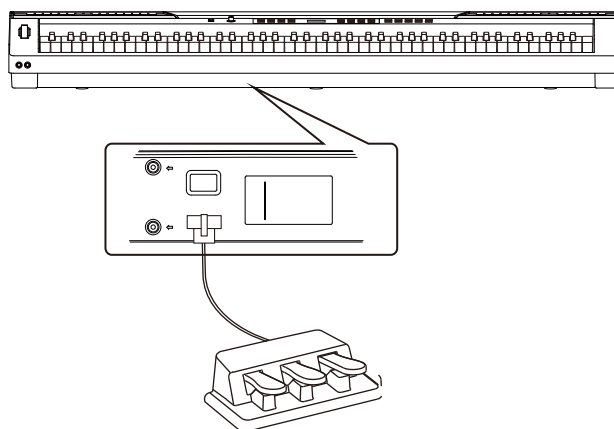
Connecting a Microphone

By connecting a microphone, you can enjoy singing along with your keyboard performance or with Song playback (KARAOKE).

1. Before turning the power on, set the master volume to minimal value.

2. Plug the microphone into the [MIC] jack at the rear of the instrument.

3. Turn the power on. Adjust the master volume value while singing through the microphone.
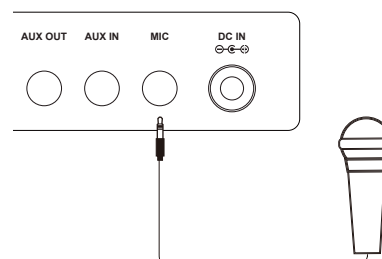
Quick Start

Power Switch and Master Volume

Turn the Power On/Off

1. First, please ensure the correct connection has been made based on the previous instruction.

2. Press POWER switch, the nixie tube screen lights up, and displays "0.01", it indicates the instrument is power on.

Note:
Press the POWER switch, if the nixie tube screen dose not appear, please check the power supply jack connection are made correctly or not.

Adjust the Master Volume
Rotate the [VOLUME] knob clockwise, the volume increasesand vice versa.

Note :
If the keyboard is in silent, that means the volume may has been adjusted to its minimum level or the headphone jack has been connected.

Playing Demo Songs

This instrument features several wonderful demo songs, please refer to the Demo list for details.

1. Press the [DEMO] button, the nixie tube displays "d-1", meanwhile, all demo songs start to play in a continuous loop.

2. Use the data dial or [+/Yes]/[-/No] button to select the desired demo song.

3. Press the [DEMO] or [START/STOP] button to stop playing, and exit demo mode.
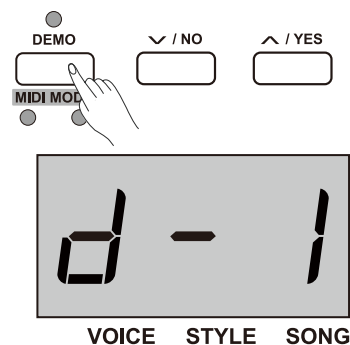
Playing Voices

This instrument features a variety of exceptionally realistic voices, please refer to the Voice list for details.

1. Press the [VOICE] button.
Enter the voice mode. The nixie tube displays the current voice number, such as "0.01".

2. Select a voice.
Use the data dial or [+/Yes]/[-/No] button to select a voice you want to play. You can also use the VOICE select buttons to select one.

3. Play the voice.
You can play the keyboard and listen to the wonderful voice.
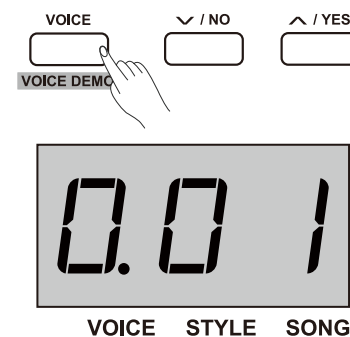
Playing Styles

This instrument features a variety of styles. Try selecting some of the different styles (Refer to the Style List) and play with the auto accompaniment.

1. Press the [STYLE] button.
Enter the style mode. The nixie tube displays the current style number, such as "00.1".

2. Select a style.
Use the data dial or [+/Yes]/[-/No] button to select a style you want to play. You can also press and hold the [SHIFT] button, then press the style keys marked STYLE 0-9 to select the desired style.

09
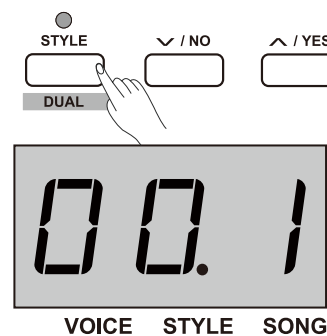
Quick Start

3. Play the style.
Press the [START/STOP] button and it's relevant LED indicators are flashing in red and blue. As soon as you play the keyboard with your left-hand, the auto accompaniment (piano style) starts.

Note:
If you press key(s) marked STYLE 0-9 to select the desired style, please press and hold the [SHIFT] button, then tapping 2 consecutive digits. For example, tapping 0,8 in sequence to select the 08 style.

Playing Songs

This instrument features a variety of preset songs, please refer to the Song list.

1. Press the [SONG] button.
Enter the song selection mode. The nixie tube displays the current song number, and it will play all songs circularly.

2. Select a song.
Use the data dial or [+/Yes]/[-/No] button to select a song you want to play. You can also press and hold the [SHIFT] button, then press the song keys marked SONG 0-9 to select the desired song.

3. Play the song.
Press the [START/ STOP] button to play the selected song in a continuous loop.

4. When the selected song has finished, press [VOICE] / [STYLE] button can exit the song mode.

Note:
If you press key(s) marked SONG 0-9 to select the desired song, please press and hold the [SHIFT] button, then tapping 2 consecutive digits. For example, tapping 0,8 in sequence to select the 08 song.
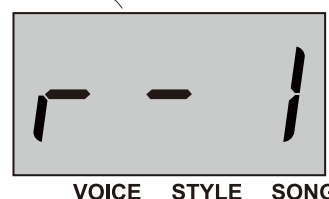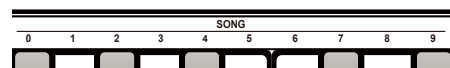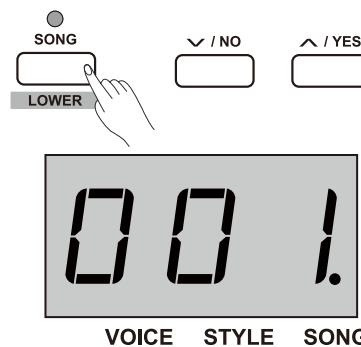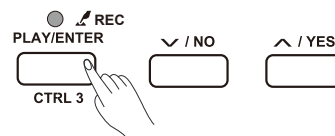
Record

You can record your performance and save it as a user song on the instrument.

1. Press and hold the [REC] button to enter the user song menu, the nixie tube displays current user song number.
Use the data dial or [+/Yes]/[-/No] button to select a desired user song to which the recording will be saved.

2. Press the [PLAY/ENTER] button again, enter recording standby mode, the LED indicator of [START/ STOP] button will be flashing. Then you can select desired voice, style or other parameters to prepare recording.

3. Press the [START/STOP] button or play a key on the keyboard to start recording. Meanwhile, the LED indicator of [PLAY/ENTER] button will flash.

4. Press the [PLAY/ENTER] button again to exit the record mode. The LED indicator of [PLAY/ENTER] button will turn off.

5. If you want to play back the user song, you can press the [PLAY/ENTER] button to enter the selection interface.
Use the data dial or [+/Yes]/[-/No]button button to select the user song. Then press the [PLAY/ENTER] button again to play back user song.

6. While playing back recorded songs, you can press the [PLAY/ENTER] button to exit.

10

Playing Voices

This instrument features a variety of exceptionally realistic voices. Please refer to the Voice List for details. The default upper voice number is 001.

01 GrandPno	03 E.Piano	05 E.Piano 3	07 Clavi	09 PercOrgn	11 ChurOrgn
02 GrandPn 2	04 E.Piano 2	06 Harpsi	08 Vibra	10 DrawOrgn	12 ReedOrgn
13 RockOrgn	15 Harmnic	17 CleanGtr	19 Strings	21 SweetTrp	23 SweetFlu
14 Acordion	16 NylonGtr	18 FngrBass	20 SynStrs	22 TenorSax	24 PanFlute

Select and play Upper Voice

1. Press the [VOICE] button or voice direct button to select a voice you want to play. The "VOICE" icon on the nixie tube lights up, and also indicates the current upper voice number, such as "0.01".

2. Select a voice.
Use the data dial or [+/Yes]/[-/No] button, or VOICE select buttons to select the upper voice you want to play.

3. Play the voice.
You can play the keyboard and listen to the wonderful voice.

Note:
If the dual or lower function is on, repeatedly press the [VOICE] button to switch between UPPER and DUAL/LOWER voice. The nixie tube also indicates the current voice number.

Playing two Voices Simultaneously

This stage piano has a dual voice function. This function allows two sounds to be layered together, creating a more complex sound.

1. Select the upper voice you want to play.

2. Press and hold the [SHIFT] button, then press the [DUAL]button to turn the dual function on. The LED indicator of [DUAL] button lights up, meanwhile, the nixie tube displays the dual voice number: "d.19".

3. Use the data dial or [+/Yes]/[-/No] button, or VOICE select buttons to select the dual voice you want to play.

4. Play the keyboard, and then you will hear two different voices to be layered together. It seems like two different instruments are playing at the same time.

5. Press and hold the [SHIFT] button, then press the [DUAL] button again will turn the dual function off.

Note:
While the keyboard has been split, only the right hand area can respond to the dual voice, the left hand area cannot respond to it.

Playing Voices

Playing Different Voices with Both Hands
The lower function splits the keyboard into right and left areas to create two different voices. The left section voice is lower voice. You can assign a desired spilt point on the keyboard.

1. Select the upper voice you want to play on the right of the split point.

2. Press and hold the [SHIFT] button, then press the [LOWER] button to turn lower function on. The LED indicator of [LOWER] button lights up, meanwhile, the nixie tube displays the lower voice number: "L.19".

3. Use the data dial or [+/Yes]/[-/No] button, or VOICE select buttons to select the lower voice you want to play.

4. Play the keyboard.
You can hear the right and left hand area with different voices.

5. Press and hold the [SHIFT] button, then press the [LOWER] button again will turn lower function off.
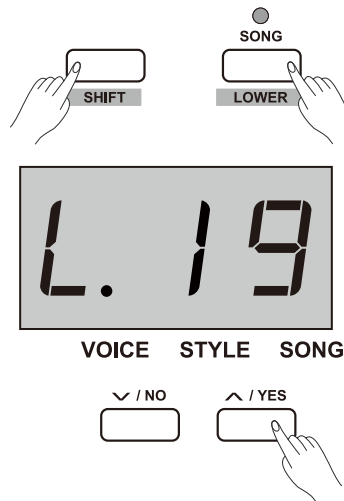
Split Point：
The point on the keyboard that separates UPPER or DUAL voice and LOWER voice is called "split point".
The default split point is: F#3（34）.
1. Press and hold the [LOWER] button, then press any key to set split point.
2. Release the [LOWER] button, and automatically exit the split point setting.

A0   Default Split Point：F#3
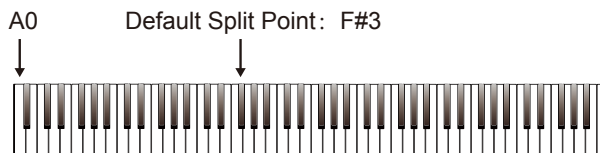
Playing Voice Demo
1. In voice mode, press and hold the [SHIFT] button, then press the [VOICE DEMO] button to start playing back voice demo. While the voice demo is playing, you can repeat above operations to exit voice demo mode.
2. Press the [START/ STOP] button to stop playing voice demo mode.
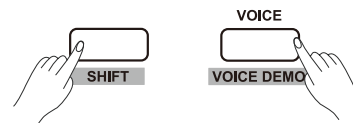
Touch Sensitivity
The keyboard is equipped with a touch response feature that lets you dynamically and expressively control the level of the voice with your playing strength – just as on an acoustic instrument. That means the harder you play the keys, the greater volume comes from the speakers with fixed master volume. Turn this function off results in a fixed touch response, or no level change no matter how hard or how soft you play the keys. There are 3 types of touch setting for this instrument (Off, 1-3), the default setting is: "2".

Operation:
Press and hold the [SHIFT] button, then press the key which represents touch +/- to select an appropriate touch level.
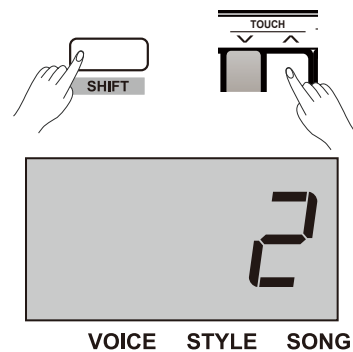
Parameters	Description
OFF	Fixed
1	Soft
2	Medium
3	Hard

12

Transpose

This function allows the overall pitch of the instrument to be transposed up or down by a maximum of one octave in semitone increments.
For example, you have to play a song in G key which you are not familiar with. So please set the transpose value to be -05 or 07, then you can easily play this song with C key.

Operation:
1. Press the [TRANSPOSE] button, the nixie tube displays current transpose value, such as "07". Use the data dial or [+/Yes]/[-/No] button to set transpose value, the entire keyboard pitch will be changed.

2. Press the [+/YES] and [-/NO] buttons simultaneously to recover the default value: "0".

Parameters	Description
Transpose +	Increase entire keyboard pitch in semitone step.
Transpose -	Decrease entire keyboard pitch in semitone step.
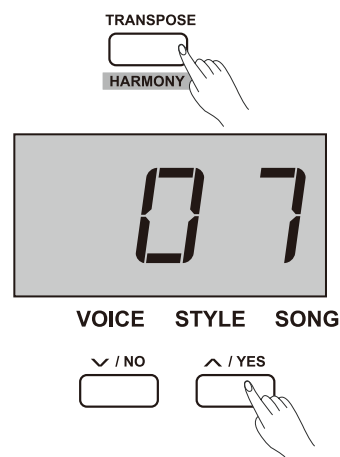
Tune

The overall tuning of the instrument can be shifted up or down by a maximum of 100 cents in 1-cent increments (100 cents = 1 semitone).

Operation:
1. Press and hold the [SHIFT] button, then press the key marked TUNE +/- to set the tune value. The nixie tube currently displays tune value.

2. Press the [TUNE +] and [TUNE -] keys simultaneously to recover default tune value: "00".

Parameters	Description
Tune +	Increase entire keyboard pitch in 1 step.
Tune -	Decrease entire keyboard pitch in 1 step.
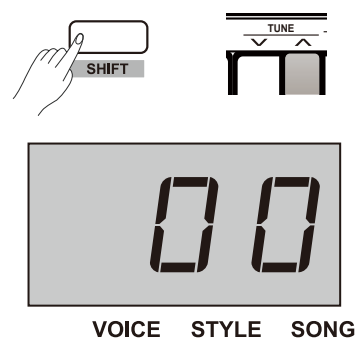
Pedal Resonance

Pedal resonance, is a function to simulate the reverberation of notes when pressing the sustain pedal on an actual grand piano. With pedal resonance, it reproduces the rich harmonics and unique sound characteristics of an actual grand piano when using the sustain pedal.

1. Press and hold the [SHIFT] button, then press the [PEDAL RESONANCE] key to turn this function on.

2. The default setting of pedal resonance is: "off", please turn it on if necessary.

Note:
1. The harmony function is automatically turned off when you set PEDAL RESONANCE on.
2. It may cause a slight sound paused or noise if you switch pedal resonance on/ off while you are performing. This is normal phenomenon to shift function between on and off.

13

Playing Voices

Metronome

The Metronome function provides a steady beat to aid practicing the piano at a consistent tempo.

1. Turn the metronome on/ off
Press the [METRONOME] button to turn metronome function on or off. When metronome is in use, the LED indicator of [START/ STOP] keeps flashing with current tempo. Red light represents downbeat, and blue light represents upbeat. The tempo of the metronome can be freely adjusted. Please refer to "TEMPO" setting for details.
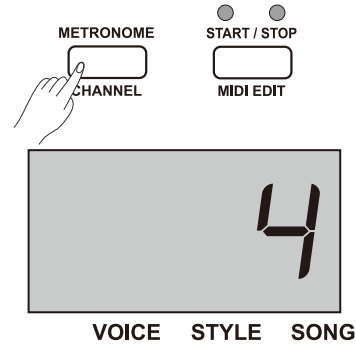
2. Change the metronome time signature
Press and hold the [SHIFT] button, then press the key marked METRONOME +/- to set time signature. The nixie tube currently displays the number of beat type, such as:"4". There are 9 time signatures can be set: 0, 2-9.

3. Select metronome sound
Press and hold the [SHIFT] button, then press the key marked VOCAL to change metronome sound: normal sound and human voice.

Note:
The metronome function is invalid in SONG mode.

14

Playing Accompaniment

This stage piano features a variety of styles. Please refer to the style list for details. The default style number is: "00.1".

Selecting a Style

1. Press [STYLE] button to enter style mode.
The nixie tube displays the current style number, such as "00.1".

2. Use the data dial or [+/Yes]/[-/No] button to select the desired style, or you can press and hold the [SHIFT] button, then press the style keys marked 0-9 to select the desired style.

Note:
If you press key(s) marked STYLE 0-9 to select the desired style, please press and hold the [SHIFT] button, then tapping 2 consecutive digits. For example, tapping 0,8 in sequence to select the 08 style.
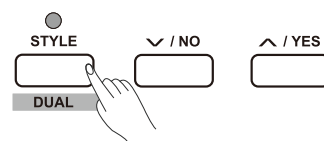
Start/Stop Style Playing

1. In the style mode, press the [START/ STOP] button to enter standby mode, the "auto bass chord"(A.B.C) function is automatically turned on, meanwhile its indicators (red and blue) are flashing. Then play chords on the chord section with left hand, the style starts playing immediately.

2. Press the [START/ STOP] button again to stop playing the style, at the mean time, the A.B.C. is automatically turned off.

Fill In A/B

1. As the system default of selected accompaniment is the main A section of music (the LED indicator lights up), so when the accompaniment function is in use, pressing the [FILL A/ B] button plays an appropriate fill-in pattern to spice up the rhythm (the LED indicator flashes). When the fill-in is complete, it leads smoothly into the main B section, and the LED indicator goes out.

2. If you are playing the main B section of music (LED indicator goes out), pressing the [FILL A/ B] button plays an appropriate fill-in pattern to spice up the rhythm (the LED indicator flashes). When the fill-in is complete, it leads smoothly into the main A section, and the LED indicator lights up.

3. If you press and hold the [FILL A/ B] button, it plays the fill-in pattern circularly, the LED indicator keeps flashing.
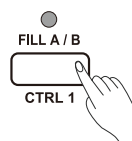
Accompaniment Volume

This function is used to change the volume of all tracks of accompaniment for balancing the volume between accompaniment part and keyboard voice.

1. Press and hold the [SHIFT] button, then use the [ACCOMP +]/ [ACCOMP -] key to set accompaniment volume, adjustable range: 0~127.

2. Press the [ACCOMP +] and [ACCOMP -] keys simultaneously to turn off the accompaniment volume, the nixie tube displays "OFF", press the [ACCOMP +] and [ACCOMP -] keys simultaneously again to turn on the accompaniment volume.

15
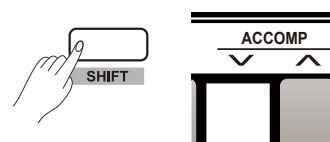
Playing Accompaniment

Tempo

Each style, song, metronome, and duet of this instrument has been programmed with a default tempo. However, this can be changed by the tempo button. Adjustable range: 30~280.
Operation:

1. Press the [TEMPO +]/ [TEMPO -] button to adjust the desired tempo value, the nixie tube displays current tempo value.

2. Press the [TEMPO +] and [TEMPO -] buttons simultaneously to restore the default optional tempo for style and song.

3. Press and hold the [SHIFT] button, then press the key(s) marked TEMPO 0-9 to set the tempo value. For example, press the 2, 1, 4 in sequence, then the tempo value will be: "214".

4. During style or song playback, press and hold the [SHIFT] button, then tapping the key marked TAP twice at the desired tempo.
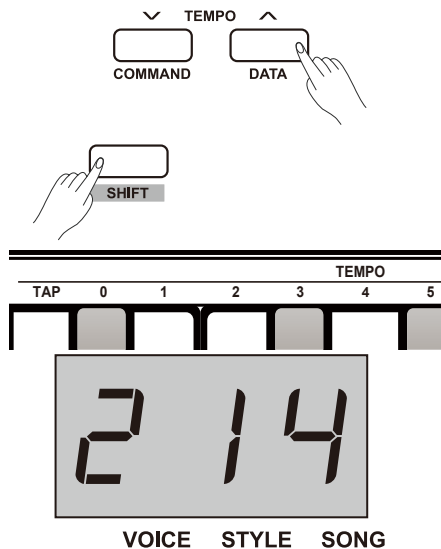
Parameters	Description
TAP	Quickly set the desired tempo value.
TEMPO +/-	Increase/ Decrease tempo value in step 1.
0 ~ 9	Directly set the specified tempo value.

Note:

1. If you press key(s) marked TEMPO 0-9 to select the desired tempo, please press and hold the [SHIFT] button, then tapping 3 consecutive digits. For example, tapping 0,6,4 in sequence to set the tempo value 64.
**2.** When the style is stopped, and the times you have tapping the key marked [TAP] are same with beat count of metronome type, the system will automatically turn metronome on, and the tempo value equals to the interval of your last two taps.

16

The DSP effect is the sound localization technology for simulating the sounds in the real environment. With DSP effect, you can add ambience and depth to your music in a variety of ways. There are 5 reverb effects, 5 chorus effects, 5 EQ effects built into this instrument.

Reverb

Press and hold the [SHIFT] button, then press the key marked ON/OFF in the REVERB section to turn reverb effect on/off. Tap the key marked REVERB +/- which are next to the ON/OFF to select the desired reverb type.
The default reverb effect setting is: turn on, and REVERB type is: 2 Hall.

Parameter	Reverb Type
1	Room
2	Hall
3	Church
4	Delay
5	Pan Delay

Chorus

Press and hold the [SHIFT] button, then press the key marked ON/OFF in the CHORUS section to turn chorus effect on/off. Tap the key marked CHORUS +/- which are next to the ON/OFF to select the desired chorus type.
The default chorus effect setting is: turn off, and chorus type is: 1 Chorus 1.

Parameter	Chorus Type
1	Chorus 1
2	Chorus 2
3	Chorus 3
4	Flanger
5	Rotary
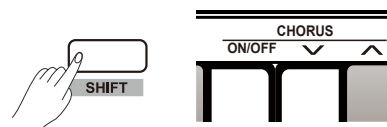
EQ

EQ function can control the gain of different frequency band. And different gain settings can make different sound field effects.
Press and hold the [SHIFT] button, then press the key marked EQ +/- to select the desired EQ type.
The default EQ type is: 1 Standard.

Parameter	EQ Type
1	Standard
2	Modern
3	Rock
4	Classic
5	Jazz

Listening to the songs

Playing Songs
This instrument features a variety of preset songs. Please refer to the Song List for details.

Playing songs in large cycle：
Press the [SONG] button to enter the song playing mode, the system will play all preset songs in large cycle. Meanwhile, the nixie tube displays the current song number, and the "SONG" icon lights up.

Playing songs in small cycle：
While the song is stop playing, press the [START/STOP] button to play just the song circularly.

Beat indicators：
While the song is playing, the LED indicators of [START/STOP] will keep flashing corresponding to the current tempo value: Red light represents downbeat, and blue light represents upbeat.

Selecting a song：
Use the data dial or [+/Yes]/[-/No] button to select the desired song, or you can press and hold the [SHIFT] button, then press the key(s) marked SONG 0-9 to directly select a song.

Note:
If you press key(s) marked SONG 0-9 to select the desired song, please press and hold the [SHIFT] button, then tapping 2 consecutive digits. For example, tapping 0,8 in sequence to select the 08 song.

Stop Playing Songs
While the song is playing, press the [START/STOP] button or [SONG] button to stop playing song.

Learning Songs
All preset piano songs have programmed lesson modes.
1. Press and hold the [SHIFT] button, then press the key marked [L] in MELODY OFF section. With this operation, the left-hand part of the selected song will be muted, you can practice left hand part corresponding to the right-hand part of melody.

2. In the same way, you can tap the key marked [R] to mute the right-hand part, and practice the right hand part melody.

3. Press the key marked [OFF] to exit the lesson mode. The song will recover its normal playing mode.
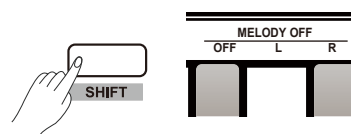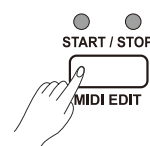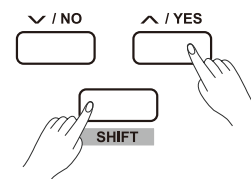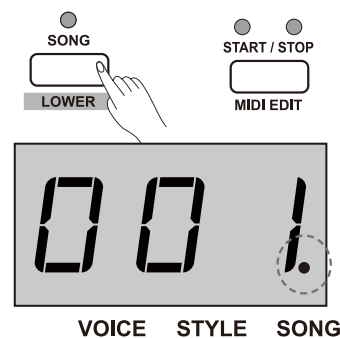
With the easy-to-use song recording features, you can record your performance and save it as a user song on the instrument.

Prepare Recording

1. First, select a user song to save the recording song. Press and hold the [REC] button to enter the user song menu, the nixie tube displays current user song number: If the nixie tube displays "r-*", it means the user song has data. If the nixie tube displays "nF*", it indicates the user song is empty.
Use the data dial or [+/Yes]/[-/No] button to select a desired user song.

2. Press the [PLAY/ENTER] button to enter the recording preparation status, the LED indicator of [START/ STOP] button keeps flashing. So you can set the desired voice, style, tempo parameters……

Note:
The LOWER function is automatically turned off.

Start Recording

1. Recording begins automatically as soon as you play a note on the keyboard. The LED indicator of [RECORD] button will flash.

2. Press the [START/STOP] button to start recording while in the recording preparation status. And the "auto bass chord"(A.B.C) mode is automatically turned on, but the accompaniment is not playing and synchronously recorded until you play a note on the left-hand section.

Note:
If you select the "r-*" (which means there is a user song in this file) for recording, the original user song you saved will be replaced by the new data.

Stop Recording

1. During recording, press [PLAY/ENTER] to stop recording, the nixie tube displays "- - -", the system saves recording data in internal memory automatically. The indicator of recording goes out after finishing the saving operation.

2. When recording is in process, if the memory is full, the recording will stop and be saved in internal memory automatically. And the nixie tube displays "FUL", The indicator of recording goes out after finishing the saving operation.

Play Back the User Song

1. Press [PLAY/ENTER] button, enter the records playback mode. If this user song you selected contains no data, the nixie tube displays "nF*", such as "nF3"; if this user song you selected contains data, the nixie tube displays the number of user song "P-*", such as "P-2".

2. Use the data dial or [+/YES]/ [-/NO] button to select a user song.

3. Press the [PLAY/ENTER] button to play your selected user song. The button indicator will light up.

4. In user song playing status, press the [PLAY/ENTER] button again to stop playing. The button indicator goes out.

REC
PLAY/ENTER
CTRL 3

nF 1

VOICE   STYLE   SONG

START / STOP
MIDI EDIT

A0   F#3
Chord Section

- - -

VOICE   STYLE   SONG

FUL

VOICE   STYLE   SONG

nF 3

VOICE   STYLE   SONG

P - 2
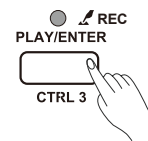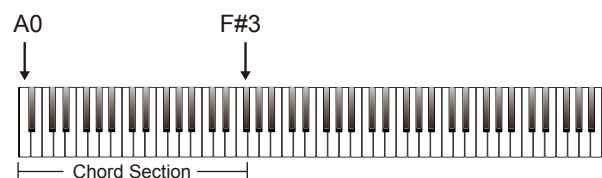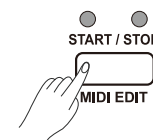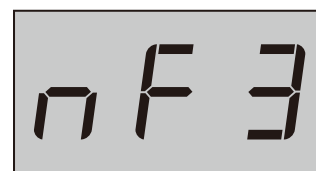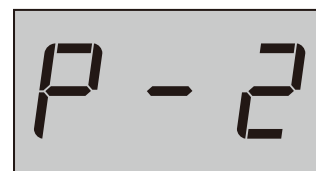
VOICE   STYLE   SONG

Record

Delete the User Song

1. Pressing and holding [REC] and [SAVE] buttons together and turn power on simultaneously, all user songs will be erased.

2. Press [PLAY/ENTER] button to enter the playback mode, then press and hold [PLAY/ENTER] to enter the Delete menu, and the nixie tube displays "dEL".Press the [+/YES] button to confirm the delete operation; press the [-/ NO] button to cancle the delete operation and go back to playback mode.
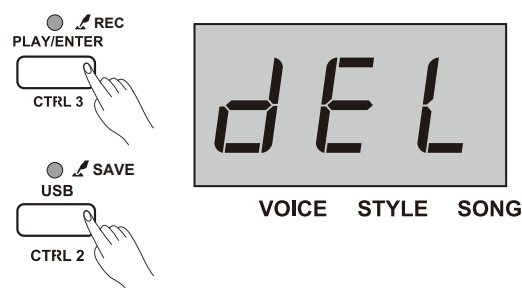
Note:
User song data will not be lost after you turn off the power.

Connecting USB Flash Drive

The instrument recognizes USB flash drives, sizing from 16M to 32G in the format of FAT16 and FAT32, but does not support multi-partitioned USB flash drive. We recommend you format the USB flash drive before using. Do not edit the backup files saved on USB flash drive.

The [USB] button LED will be lit when it enters the USB menu. The LED will become unlit when it exits the USB menu.
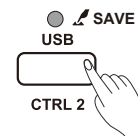
Playing a File
You can play back MIDI files under the root directory of a USB flash drive.

1. Insert a USB flash drive, wait until the recognition is finished. Then press the [USB] button to enter the USB song menu. The display will show the song number, such as "001".

2. Use the data dial or [+/YES]/[-/NO] button to select a desired song number.

3. Press the [USB] button to start playing back all MIDI songs in a continuous loop. Meanwhile, the LED indicator of [USB] button will flash along with the tempo.
Alternatively, press the [START/STOP] button to loop playing the selected song.

Notes:
1. The instrument will only play back MIDI files saved under the root directory. Files saved on sub-directories will not be recognized.
2. The instrument does not support MIDI file with more than 32 tracks. It will automatically skip such MIDI files when loop playing all songs, or it will stop playing and display "Err" if you have selected such MIDI file. When playback stops, use the data dial or [+/YES]/ [-/NO] button to select another song to play.

Saving a File

Recorded data on the instrument can be saved onto a USB flash drive.

1. Insert a USB flash drive, wait until the recognition is finished. Then press and hold the [SAVE] button to enter the USB save menu.
If there is no recorded data, the display will show "nF*", such as "nF2". If the instrument has recorded data, it will show "S-*", such as "S-1".
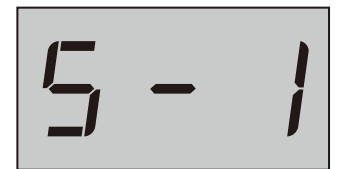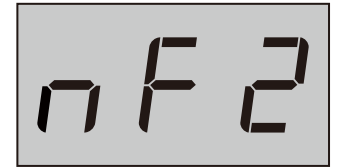
2. Use the data dial or [+/YES]/[-/NO] button to select a user song.

3. Press [+/YES] to save the selected user song to the root directory of USB flash drive in the name of "SNG_***". The display will show "- - -" during saving, then return to the main menu after saving. Or you can press [-/NO] to cancel saving and return to the main menu.

4. If the display shows "Err", it indicates there is an error. Please format the USB flash drive and then repeat step 1 - 3 .

Notes:

1. When the display shows "- - -", it indicates saving is in progress. Do not remove the USB flash drive, otherwise, it will result in data lost.
2. A USB flash drive supports up to 512 files under its root directory. Exceeding this limit will make it unable to save to the USB flash drive.

nF2
VOICE   STYLE   SONG

S - 1
VOICE   STYLE   SONG

∨ / NO   ∧ / YES

VOICE   STYLE   SONG

SAVE
USB
CTRL 2

Duet

Duet is a functional feature, which can produce the dynamic elements of a professional-sounding arrangement in your performance. You can achieve this feature only by pressing an available chord with your left hand, and then the system will automatically play a preset duet pattern to produce a beautiful melody.

Turn the DUET On/Off

1. Press the [DUET] button, the LED indicator of [DUET] lights up, and the nixie tube currently displays duet type: "d**"（such as"d01"）for 2 seconds before it goes back to the main display status.

2. If you want to turn the duet function off, press the [DUET] button again. The nixie tube currently displays "oFF", and the LED indicator of [DUET] goes out.

Select a Duet Type

Press and hold the [SHIFT] button, then press the key marked DUET +/- to select the desired duet type. The nixie tube currently displays type number, for example: "d01".
There are 32 duet types built into this instrument, and the default type is :01.

Note:

This piano has been programmed with an appropriate duet type for each voice. So the duet type can also be changed by different voice settings.

The Split Point of Duet

When the duet function is in use, the keyboard is automatically split into two sections: Chord section in the left-hand area and melody section in the right-hand area. This split point is related to the lower voice split point setting, and the default setting is : F#3 (34).

Operation:

Press and hold the [LOWER] button, then tap any key on the keyboard as the split point. The system will automatically exit the split point setting when you release the [LOWER] button.

A0   Default Split Point：F#3
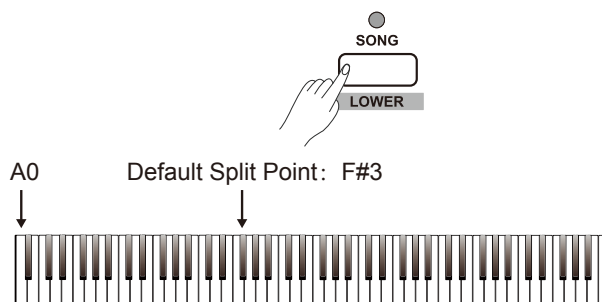
Harmony

With this harmony function, the system will automatically add harmony effect to your performance.

Operation:
1. Press and hold the [SHIFT] button, then press the [HARMONY] button to turn this function on/off, the default setting is: OFF.
2. Press and hold the [SHIFT] button, then press the key marked HARMONY +/- to select the desired harmony type. The nixie tube displays current number of selected harmony, such as: "H-1". There are 3 preset types of harmony effect, the default setting is: 1 1+5.

Parameter	Harmony Type
1	1+5
2	Octave 1
3	Octave 2

22
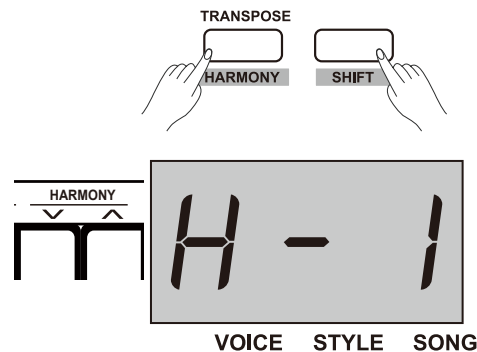
The equal temperament (has only one tuning method, and is suitable for keyboard instrument) is commonly used in modern music, based on this temperament method to make your own composition and performance. Especially for piano, equal temperament is widely used and taken for granted. But people used several other scales to compose and perform before adopting the equal temperament.

1. Press and hold [SHIFT] button , then press the [SCALE] button to enter the scale mode, and the nixie tube currently displays "on". There are 6 scales built into this instrument, and the default setting is: 1 Pythagor.
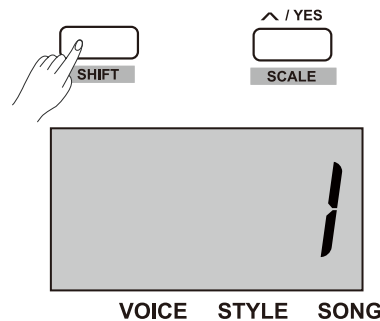
2. Press and hold [SHIFT] button , then press the [SCALE] button to exit the scale mode. And the nixie tube currently displays "oFF".

3. Press and hold the [SHIFT] button, then press key marked SCALE TYPE +/- to select the desired scale type. The nixie tube currently displays the number of scale type.

4. Press and hold the [SHIFT] button, then press the key marked SCALE ROOT +/- to select the desired scale root. The nixie tube currently displays the name of scale root.

For example：
You select the "Minor" scale and set its root note "C#".
1. Press and hold [SHIFT] button, then press the [SCALE] button to enter the scale mode.
2. Press and hold the [SHIFT] button, then press the key marked SCALE TYPE +/- to select "3: Minor" scale, and the nixie tube currently displays "3".
3. Press and hold the [SHIFT] button, then press the key marked SCALE ROOT +/- to select root "C#", and the nixie tube currently displays "Cu".
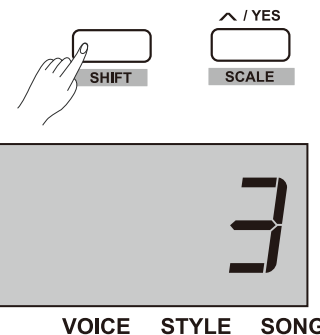
Parameter	Scale Type
1	Pythagorean
2	Pure Major
3	Pure Minor
4	Meantone
5	Werkmeister
6	Kirnberger

23

TWINOVA

In TWINOVA mode, the keyboard will be divided into two areas with the same pitch and voice.

1. Turn the TWINOVA on/off.
Press and hold the [SHIFT] button, then press the [TWINOVA] button to enter the TWINOVA mode, and the nixie tube currently displays "on". Repeat above button operations to exit TWINOVA mode, and the nixie tube currently displays "oFF". In the TWINOVA mode, DUAL and SPLIT are unavailable, the default split point is E3 (32).

2. Select voice.
Before entering the TWINOVA mode, the default voice of right-hand and left-hand is the upper voice you select. You can use the VOICE select buttons or the data dial or [+/YES]/[-/NO] button to select a desired voice.

3. Set the split point.
In the TWINOVA mode, press and hold the [LOWER] button, then tap keys from C3~C6 to set the split point of TWINOVA. Release [LOWER] button to exit the split point setting mode.

4. Set the octave.
In the TWINOVA mode, press and hold the [SHIFT] button, then press the key marked OCTAVE +/- to set octave value of the TWINOVA, and the nixie tube currently displays the octave value, such as "1".

Note:
In the song playing mode, the TWINOVA is invalid.

VOICE   STYLE   SONG

Default Split Point：E3（32）

OCTAVE

Beep Tone

This function is used to turn on or turn off the prompt tone. The default setting is turn on.
Operation:
Press and hold the [SHIFT] button, then press the key marked BEEP key to turn the beep tone on or off.

BEEP

24
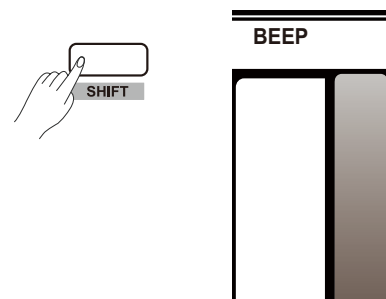
MIDI Function

What's MIDI?
MIDI (short for Musical Instrument Digital Interface) allows a wide variety of electronic musical instruments, computers and other related devices to connect and communicate with one another. MIDI carries event messages that specify notation, pitch and velocity, control signals for parameters such as volume, vibrato, audio panning, and program change information to change the voice selections.

MIDI Terminals
This instrument has been equipped with 3 MIDI terminals: 1 USB terminal, 1 MIDI IN terminal and 1 MIDI OUT terminal.

Terminal Rules
In MIDI terminals, we define those devices which control other devices as "master device", and the other controlled devices as "subordinate device". Connect the MIDI OUT terminal of master device to the MIDI IN terminal of subordinate device. The MIDI terminals of the same device cannot be connected. Similarly the same MIDI terminals of different Devices cannot be connected.

MIDI Controller
This instrument has 3 independent MIDI controllers, which can be used to control the MIDI device. Please refer to the detailed procedures as below.

Controller Settings
1. Enter MIDI controller mode
Press and hold [SHIFT] button, then press the [MIDI MODE] button to enter the MIDI controller mode. The LED indicator of [MIDI MODE] lights up.

2. Enter controller edit mode
Press the [MIDI EDIT] button to enter the controller edit mode, the relevant MIDI EDIT indicator will light up.

3. Controller select
In the controller edit mode, press one of the [CTRL 1]-[CTRL 3] buttons to individually edit the selected controller. For example, press [CTRL 1] button to enter controller 1 edit, the relevant indicator lights up, and the nixie tube displays command value, then you can edit parameters of controller 1.

4. Command Settings
In MIDI controller edit mode, press [COMMAND] button and the nixie tube currently displays its corresponding command value, the "VOICE"icon will light up. By this time, directly set the command value by pressing the assigned key(s) in the MIDI section to the desired function. There are total 131 MIDI control commands (000-130), and the default value is:001.
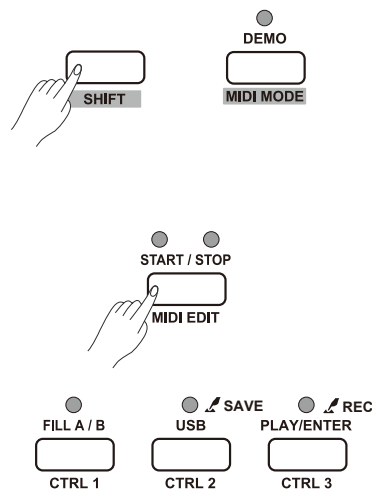
Number	Display	Command
000~127	0.00~1.27	Standard MIDI control（Bn）
128	.Cn	Program change（Cn）
129	.dn	Channel aftertouch（Dn）
130	.En	Pitch bend（En）

VOICE　STYLE　SONG

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MIDI Function

Note:
If you press the assigned key(s) to select the desired command value, please press and hold the [SHIFT] button, then tapping 3 consecutive digits. For example, tapping 0,6,4 in sequence to set the command value 64.

5. Data Settings
In MIDI controller edit mode, press the [DATA] button, the nixie tube currently displays the data value of the selected controller, and the "STYLE" icon lights up. By this time, directly set the data value by pressing the assigned key(s) in the MIDI section to the desired function. Available range: 000-127.

Note:
If you press the assigned key(s) to select the desired data value, please press and hold the [SHIFT] button, then tapping 3 consecutive digits. For example, tapping 0,6,4 in sequence to set the data value 64.

6. Channel Settings
In MIDI controller edit mode, press the [CHANNEL] button. The nixie tube displays current controller channel, and the "SONG" icon will light up. By this time, directly set the channel value by pressing the assigned key(s) in the MIDI section to the desired function. Available range: 01-16.

Note:
If you press the assigned key(s) to select the desired channel value, please press and hold the [SHIFT] button, then tapping 2 consecutive digits. For example, tapping 0,1 in sequence to set the channel value 01.

You can refer to above procedures 3-6 to complete parameter settings of controller 1/2/3. Press [MIDI EDIT] button to exit MIDI controller edit mode, and the relevant indicator will go out.

Note:
1) The command value will be the DATA 1 of Bn if it is within the range of 0-127 you set, then the value of DATA 2 can be set by pressing [DATA] button.
2) If the number you set is 128, it can be the command Cn, then the data value can be set by pressing the [DATA] button.
3) If the number you set is 129, it can be the command Dn, then the data value can be set by pressing the [DATA] button.
4) If the number you set is 130, it can be the command En, the value of DATA 2 can be set by pressing the [DATA] button and the DATA 1 will be automatically generated by DATA 2:
If Data2 = 0~126, then Data1=0;
If Data2 = 127, then Data1=127;
In addition:
If Data1=Data2=0, that means the pitch bend is in the lowest level;
If Data1=0，Data2=64, that means the pitch bend is in the middle level;
If Data1=127，Data2=127, which means the pitch bend is in the highest level.

MIDI Function

Controller Output

1. Press and hold the [SHIFT] button, then press the [MIDI MODE] button to enter the MIDI controller mode, the LED indicator of [MIDI MODE] lights up.

2. Press the [CTRL 1] button, the LED indicator of [CTRL 1] will keep flashing briefly, it represents the system is transmitting MIDI information of controller 1. Then the relevant MIDI indicator lights up when the transmit process is complete. If you press the [CTRL 1] button again, the MIDI information will be repeatedly transmitted.

3. In the same way, press the [CTRL 2] and [CTRL 3] button, the MIDI information of corresponding controller will be transmitted from the MIDI OUT.

4. In the MIDI controller mode, if you want to exit, press and hold the [SHIFT] button, then press the [MIDI MODE] button.
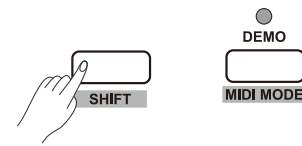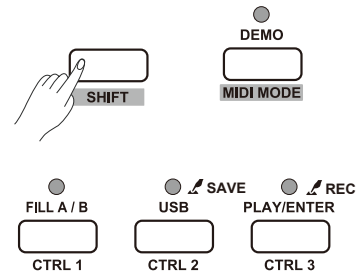
Restore Factory Setting

In shutdown mode, press and hold [+/YES] and [-/NO] buttons together, then turn the piano on, the system will be restored to factory setting, and delete all recorded data, meanwhile the nixie tube displays "---". After the delete process is complete, the piano will be restored to the state of power-on automatically. Please be careful.
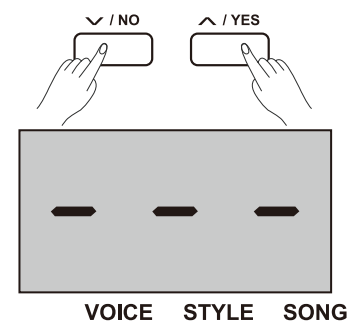
Troubleshooting

Problem	Possible Cause and Solution
The speakers produce a "pop" sound when the power is turned ON or OFF.	This is normal and no cause for alarm.
The instrument is turned on, however no sound is produced when the keys are played.	1. Make sure the volume is set to an appropriate level. 2. Check that a pair of headphones are not connected to the PHONES jack 2.
When using a mobile phone, noise is produced.	Using a mobile phone in close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it far away from the instrument.
The wrong notes sound when the keyboard is played.	Make sure the Tune setting is set to "0". Press and hold the [+/Yes] and [-/No] buttons simultaneously, then turn the instrument on to revert settings to default value.
After connecting with the computer, the piano is not recognized.	Please check if the USB cable is being connected firmly,or try to connect another USB port of the computer,without the need to intall another driver on the PC.

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Keyboard & Display	
Keyboard	88 Hammer-Action Keys
Touch Response	3 Types, Off
Display	3-Digits LED
Voices	
Polyphony (Max.)	128
Voices	24 Panel Voices, 128 GM Voices
Layer	Left, Right1, Right2
Split	Yes
Duo (Twinova)	Yes
Styles	
Styles	60
Style Control	Start / Stop, Main A / Fill in A/ Main B / Fill in B, Accomp Volume
Chord Types	32
Effects	
Master EQ	5 Types
Reverb	5 Types
Chorus	5 Types
Pedal Resonance	Yes
Performance Enhance	
Harmony	3 Types
Duet	32 Types
Song & Recording	
Music Library	70 Preset Songs, L / R Hand Learning
Sequencer	5 User Songs
Demo Song	5

Pitch Adjustment	
Transpose	-12~+12
Octave	-1~+1 (Twinova)
Tuning	-50~+50
Other Functions	
Pitch Bend	Yes
Metronome	0, 2-9
Tempo	30-280
MIDI control	Yes
Voice demo	Yes
Connctions	
Interaction & Expansion	USB MIDI
External Drive	USB Flash Drive (32G Max.)
Microphone	Yes
Phones	2 Standard Stereo
Pedals	Unit Pedal, Sustain Pedal
MIDI	In/Out
USB	USB MIDI
Input	Standard Stereo
Output	Standard Stereo
Power Supply	
Power	DC 12V / 2A
Power Off Protection	Yes
Amplifiers & Speakers	
Amplifiers	20W x 2
Speakers	10W x 2 20W x 2
Dimensions & Weight	
Dimensions LWH (mm)	1365 x 366 x 137
Weight (kg)	14.5

* All specifications and appearances are subject to change without notice.

Voice List

NO.	Name
Piano	
1	Grand Piano
2	Grand Piano 2
3	Ele. Piano
4	Ele. Piano 2
5	Ele. Piano 3
6	Harpsichord
Chromatic Percussion	
7	Clavi
8	Vibraphone
Organ	
9	Percussive Organ
10	Drawbar Organ
11	Church Organ
12	Reed Organ
13	Rock Organ
14	Accordion
15	Harmonica
Guitar	
16	Acoustic Guitar (nylon)
17	Electric Guitar (clean)
Bass	
18	Electric Bass (finger)
Strings & Orchestral Instruments	
19	String Ensembles
20	Synth Strings
Brass	
21	Sweet Trumpet
Reed	
22	Tenor Sax
Pipe	
23	Sweet Flute
24	Pan Flute

NO.	English Name
1	Romantic 8beat
2	Pop 8Beat
3	Slow Rock
4	Lyric 3Beat
5	Pop Waltz
6	Slow Waltz
7	Waltz 1
8	Waltz 2
9	Waltz 3
10	Vienna Waltz
11	March 1
12	March 2
13	March 3
14	Polka
15	Italian Polka
16	Jazz Pub
17	Jazz 1
18	Jazz 2
19	Jazz 3
20	Jazz 4
21	Jazz 5
22	Jazz 6
23	Jazz 7
24	Boogie
25	Jive
26	Dixland
27	Latin
28	Tango
29	Lambada
30	Samba

NO.	English Name
31	ChaCha
32	Beguine
33	Salas
34	Pop Bossa
35	Blues 1
36	Blues 2
37	Blues 3
38	Jazz Blues
39	Piano Beat
40	Piano Bar
41	Pop 1
42	Pop 2
43	Pop 3
44	Pop 4
45	Pop 5
46	Pop 6
47	Piano Rock
48	Pop Funk
49	Pop Country
50	Pianist 1
51	Pianist 2
52	Pianist 3
53	Pianist 4
54	Pianist 5
55	Ballad 1
56	Ballad 2
57	Ballad 3
58	Ballad 4
59	6/8 Ballad
60	6/8 Ballad 2

Song List

NO.	English Name
1	Waltz in A Flat Op.39, No.15
2	The Happy Farmer
3	Etude
4	Dance Of The Four Swans From "Swan Lake"
5	Carmen Suite No.2 Habanera
6	A Little Polish Dance
7	Jesus Saviour Pilot Me
8	Old Macdonald Had A Farm
9	O Sole Mio
10	Wedding March From "Lohengrin"
11	2-Part Invention No.13 In A Minor BWV 784
12	Turkish March
13	Italian Polka
14	Musette
15	Bourree
16	To A Wild Rose
17	Away In A Manger
18	Fur Elise
19	Marriage Of Figaro
20	Angels We Have Heard On High
21	Waltz
22	America The Beautiful
23	Did You Ever See A Lassie
24	Arabesque
25	Old France
26	Santa Claus Is Coming To Town
27	Music Box Dancer
28	Symphony No.9 In E Minor Large From "The New World"
29	Larghetto
30	French Suites
31	Mazurka
32	Minuet 1
33	Minuet 2
34	Minuet 3
35	Minuet In G
36	Neapolitan Song
37	Prelude
38	Salut D' Amour
39	Pizzicato Polka
40	Piano Sonata No.11 in A major K331 I. Andante grazioso

NO.	English Name
41	Songs Without Words Op30 No .6 F sharp minor Venetian Gondola Song
42	Duke Aria From "The Rigoletto"
43	Burgmuller Op.100 No.15 - Ballade
44	Spinning Song
45	In The Theatre
46	Alfredo and Violetta Column Tower Duet
47	Come Back To Sorrento
48	Piano Sonatina In F Major
49	Tchaikovsky Waltz
50	Military March No.1 In D Major
51	Als Die Alte Mutter Mich Noch lehrte Singen
52	Etude on Leger Lines 1
53	Etude on Leger Lines 2
54	At the Ball
55	Dancing Raindrops
56	From a Story Book
57	Comin' 'Round the Mountain
58	Song of the Brook
59	Puck
60	Cotton-pickin' Fingers
61	Carl Czerny 599 No79
62	Carl Czerny 599 No80
63	Carl Czerny 599 No81
64	Carl Czerny 599 No82
65	Carl Czerny 599 No83
66	Carl Czerny 599 No84
67	Carl Czerny 599 No85
68	Carl Czerny 599 No86
69	Carl Czerny 599 No87
70	Carl Czerny 599 No88

Demo List

No.	English Name
1	Fantasia
2	Chopin_Op25_NO.1
3	Polonaise No.6 in A Flat Major Opus 53
4	Sonata No. 16 in C Major
5	Suite of Minuets in F Major

MIDI Implementation Chart

Function		Transmitted	Recognized	Remarks
Basic Channel	Default	1ch	ALL	
	Changed	1-16ch	1-16ch	
Mode	Default	×	3	
	Messages	×	3	
	Altered	***********	×	
Note Number	Note	0—127	0—127	
	:True voice	***********	0—127	
Velocity	Note on	○ 9nH,V=1-127	○ 9nH,V=1-127	
	Note off	× （9nH,V=0）	○(9nH,V=0; 8nH,V=0-127)	
After Touch	key's	×	×	
	Ch's	×	×	
Pitch Bend		×	○	
Control Change	0	○	○	Bank Select
	1	×	○	Modulation
	5	×	○	Portamento Time
	6	○	○	Data Entry
	7	○	○	Volume
	10	×	○	Pan
	11	×	○	Expression
	64	○	○	Sustain Pedal
	65	×	○	Portamento ON/OFF
	66	○	○	Sostenuto Pedal
	67	○	○	Soft Pedal
	80	×	○	Reverb Program
	81	×	○	Chorus Program
	91	○	○	Reverb Level
	93	○	○	Chorus Level
	120	×	○	All Sound Off
	121	×	×	Reset All Controllers
	123	○	○	All Notes Off
Program Change		○	○	
	:true	***********	0—127	
System Exclusive		×	○	
System Common	:SongPosition	×	×	
	:Song Select	×	×	
	:Tune	×	×	
System Real Time	:Clock	○	×	
	:Commands	× *1	× *1	
Aux Messages	:LOCAL ON/OFF	×	×	
	:Active sense	○	○	
	:Reset	×	○	

Notes: *1
When the accompaniment is started, an FAH message is transmitted. When accompaniment is stopped, an FCH message is transmitted.

- Mode 1: OMNI ON, POLY   • Mode 3: OMNI OFF, POLY   ○: YES
- Mode 2: OMNI ON ,MONO   • Mode 4: OMNI OFF, MONO   ×: NO

Scale Tuning System

A tuning system is the system used to define which tones, or pitches, to use when playing music. In other words, it is the choice of number and spacing of frequency values used. The equal temperament (has only one tuning method, and is suitable for keyboard) is the common musical scale used at present, used for the tuning of pianos and other instruments of relatively fixed scale. One of the advantages of the equal tempered scale is that it is the same in any musical "key", so that compositions may be freely transposed up or down without changing the musical intervals. Especially for piano, equal temperament is widely used and taken for granted. But people used several other scales to compose and perform before adopting the equal temperament. This piano has been equipped with 6 scale tuning systems, you can select one to reappearing its matched chord of the melody at that time.

Characteristics of Different Scale Tuning Systems

Pythagorean
The Pythagorean tuning, named after the ancient mathematician and philosopher Pythagoras, is based on a stack of intervals called perfect fifths. It is particularly well suited to music which treats fifths as consonances, and thirds as dissonances.

Pure Major & Pure Minor
In music, just intonation (sometimes abbreviated as JI) or pure intonation is any musical tuning in which the frequencies of notes are related by ratios of small whole numbers. Any interval tuned in this way is called a pure or just interval. And the major scale which consisted of just intonations especially for this triad chords: Root, Third, Fifth are sounded extremely harmony. The just intonation must be the most natural temperament.

Meantone
The Meantone System is a musical temperament which is close to just intonation. Used to tuning pipe organ in 16th century Europe. These musical scales which based on the Pythagorean System, minus quarter of common comma for once, are extremely approaching just intonation. So, use this system to create musical scales are sound beautiful and pure, just like a perfect triad chord.

Werckmeister
The Werkmeister was named after Andreas Werckmeister, and this scale was created as an improvement on the Pythagorean scale. This tuning collapse comma maxima, created by Pythagorean, into four perfect fifths, the rest fifths still remain their Pythagorean scale characteristics. Werkmeister Tuning can tune scale from harmonic to melodic by increasing tone number, making each tonality sound distinct, this is the important gist for classicists and romanticism tonality music to name the tone name.

Kirnberger
Kirnberger temperament is an irregular temperament developed in the second half of the 18th century by Johann Kirnberger and regarded as an improved version of Meantone temperament. It makes possible to switch different tunes freely when performing.

Twelve-tone equal temperament
In twelve-tone equal temperament, which divides the octave into 12 equal parts, the width of a semitone , i.e. the frequency ratio of the interval between two adjacent notes, is the twelfth root of two. There is minute difference of the same amount between each two intervals.