artesia PRO

a3
a5

Owner's Manual

Precaution

Thank you for purchasing this digital instrument. For correct use, please read the manual carefully and keep it for future reference. please read the manual carefully and keep it for future reference.

Safety Precautions

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" Within the product s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Important Safety Instructions

(Figure 1)

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings, and install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over (Figure 1) .
13) Unplug this apparatus during lightning storms or when unused over a long period of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
WARNING: To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.
CAUTION: Equipment must not be exposed to liquid dripping or splashing and also no objects filled with liquids, such as vases, or beverages may be placed.
Always make sure all batteries are inserted the correct way around to match the +/- polarity markings.
Always replace all of the batteries at the same time. Do not combine old and new batteries, also do not mix battery types, as this can cause overheating, or fire, or battery fluid leakage.
Remove the batteries from the instrument if it is not to be used for a long time.

Thank you for your purchase and welcome to the Artesia Pro Musical Family

Your new digital grand piano offers the most advanced acousta sampled instruments for superior realism, in addition to a sensitive, balanced 88 graded, weighted, touch sensitive keyboard. That combined with a concert hall sound delivery system will provide you with a rich performing and playing experience.

However, your piano is more than great technology and a beautiful piece of furniture that is sure to be a focal point in any home environment.

It is also a lot of fun.

In addition to grand piano tones for performance, this instrument features a wide range of built-in instrument tones. For the different songs you're playing and the mood you are in. You can also combine two different instrument tones together to discover your own sounds. We have play along songs to practice to and you can record your performances.

Plus you can connect your smartphone or tablet and listen to your favorite songs through the piano's speakers, for the whole family to enjoy and this also allows you to "play along" with your favorite musicians.

To get the most out of your instrument, please refer to this manual and try out the various features and functions.

Your new Grand Piano will offer you years of musical enjoyment.

And welcome to your new musical family!

Contents

TAKING CARE OF YOUR DIGITAL PIANO

This digital piano will supply you with years of musical enjoyment if you follow the simple rules listed below.

SERVICE AND MODIFICATION

Do not attempt to open the piano or make any change in the circuits or parts of the unit. This product should be serviced by qualified service personnel when;

- The power supply cord or the plug has been damaged,
- Liquid has been spattered into the unit or it has been exposed to rain,
- The instrument does not appear to operate normally or exhibits a marked change in performance,
- The instrument has been dropped or the cabinet has damaged.

HANDLING AND TRANSPORT

- Never apply excessive force the controls, connectors or other parts of the instrument.
- Always unplug cables by gripping the plug firmly, not by pulling on the cable.
- Disconnect all cables before moving the instrument.
- Physical shocks caused by dropping, bumping, or placing heavy objects on the instrument can result in scratches and/or more serious damage.
- Avoid placing vinyl objects on top of the instrument, vinyl can stick to and discolor the surface.

CLEANING

- Clean the cabinet and panel with a soft, nonabrasive, dry cloth. A wax based polish may be used on the cabinet. Do not use paint thinner or chemical based polishes.
- To maintain the luster of the keys and buttons wipe with a clean, slightly damp cloth, and then polish with a soft dry cloth.

LOCATION

- Direct sunlight (near a window)
- High temperatures (near a heat source, outside, or near a window)
- Excessive humidity
- Excessive dust
- Strong vibration
- Leave enough space around the piano for it to be properly ventilated.
- This instrument contains digital circuitry and may cause interference if placed too close to radio or television receivers. If interference occurs, move the instrument further away from the affected equipment.

POWER

- Turn the power switch off when the instrument is not in use.
- To avoid damage, turn the power switches of all related devices off prior to connection or disconnection of MIDI cables.
- Turn the power off if the main cable is damaged or the instrument is spattered with liquid.
- Do not switch the unit on and off in quick succession, this places an undue load on the electronic components.
- Unplug the AC power cord during an electrical storm.
- Avoid plugging the AC power cord into the same outlet as appliances with high power consumption, such as electric heaters or refrigerators.
- Carefully check the amplifier volume control before starting to play. Excessive volume can cause permanent hearing loss.

PANEL CONTROLS

The elegant control panel is divided into several distinct sections. The following is a brief description of all the features located on the control panel.
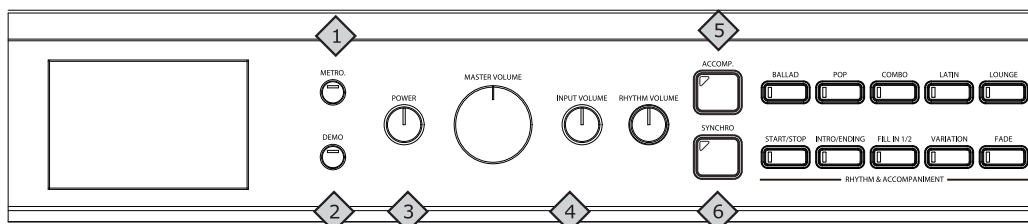
1.METRO

The metronome is a convenient feature for practice, and can also provide a solid rhythmic guide when recording. Please see the Metronome section of this manual for more information.

2.DEMO

Press the DEMO button, the indicator turns on and the first of demonstration songs will play. Please see the Demo section of this manual for more information.

3.POWER

The power switch is located to the left of the keys. Press the button to turn the power on and off. The LCD screen, and the indicator lights for the start up settings, will light up when the power is turned on. This piano is equipped with an automatic power off feature, the piano will shut off automatically after a set time of inactivity. The default time setting is off, the Auto Power Off Time can be changed in the Function menu. Please see the Function section of this manual for more information. Please note, when you turn the power off, do not turn it back on immediately. Wait at least five seconds to turn the power back on so that the electronic circuits can properly reset.

4.VOLUME

Use the MASTER VOLUME data control to adjust the master volume of the keyboard to your desired level. Use the INPUT VOLUME data control to adjust the input volume to your desired level. Use the RHYTHM VOLUME data control to adjust the rhythm volume to your desired level.

5.ACCOMP

Press this button to turn On or off the chord.

6.SYNCHRO

Synchronized Start sets the auto accompaniment into standby mode. The rhythm style will start as soon as you play on the left hand side of the keyboard. With auto accompaniment engaged the rhythm style will start as soon as you play on the left hand side of the keyboard and the auto accompaniment will start with the first recognized chord played, depending on which fingering mode is selected. Pressing the SYNC START button again will stop the auto accompaniment and put the keyboard back on standby mode.

PANEL CONTROLS
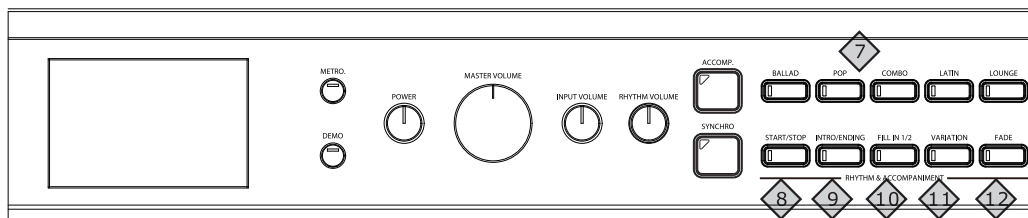
7. Style Select

There are 5 instrument styles that can be selected quickly by pressing one of the quick select style buttons. The style name is printed above the select button .Press the select button, the indicator will light and the selected style name and its number will be shown on the display.

8.START/STOP

The START/STOP button immediately starts or stops the selected rhythm style. The auto accompaniment will start with the first recognized chord played depending on the fingering mode selected.

9.INTRO/ENDING

Each of the 100 rhythm styles can be started or finished with a detailed introduction and or ending pattern. When INTRO/ENDING is engaged, an introduction of rhythm pattern will sound followed by the main pattern. When a rhythm or accompaniment pattern is already playing, the accompaniment will be professionally completed with an ending pattern from the next measure by pressing the INTRO/ENDING button.

10.FILL IN 1/2

The fill−in provides the accompaniment with a short rhythm pattern of one or two measures for each style. Press the FILL IN 1/2 button at any time while the accompaniment is playing to add a fill−in1 . If you hold down the FILL IN1/2 button, the fill−in pattern will repeat until the button is released, then the main pattern will play from the beginning of the next measure.

11.VARIATION

All of the 100 rhythm styles include a variation of that style that can be played simply by engaging the VARIATION button. Press the VARIATION button again to disengage and return to the main pattern.

12.FADE

Press the FADE button makes rhythm fade up when starting the rhythm. While rhythm is playing, press the FADE button to make rhythm fade away.

PANEL CONTROLS
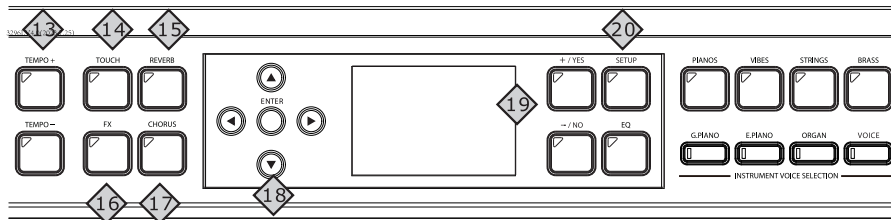
13.TEMPO

Press the TEMPO+/- buttons to select the tempo value , the current tempo value will appear on the display.

14.TOUCH:

Press the TOUCH button to jump to the performance interface(Touch Cure/Fixed). Press the TOUCH button again to exit.

15.REVERB:

The reverb effect is engaged automatically when the power is turned on. Reverb simulates the effect of playing in a big room or hall where the sound reverberates off the halls and ceiling. Press the REVERB button to turn off the reverb effect.
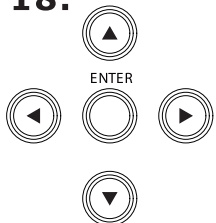
16.FX

Press the instrument sounds FX Sound Effects button to turn on or off the mode.

17.CHORUS:

The Chorus type effect adds depth and spaciousness to the selected keyboard voice. Press the CHORUS button to engage the chorus effect and the indicator will turn on. Press the button again to turn off the chorus effect.

18.

Use the ▲▼◀▶ buttons to selected features and functions on the LCD screen. Use the ENTER button to confirm a selection. Also used to confirm selections within the function menu.
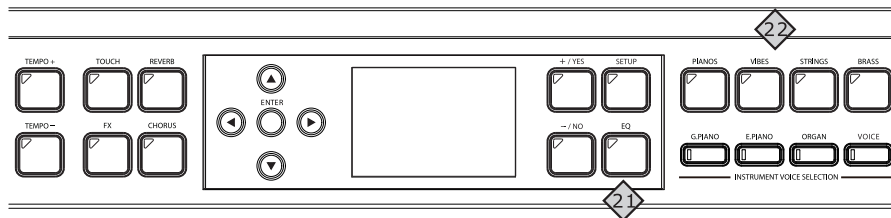
19.+/YES/-/NO:

Use the +/YES or-/NO buttons to access different options of selected features and functions.

20.SET UP:

The SET UP button is used to access the function menu. The SET UP menu can be used to adjust or change the values of a number of feature and function settings.
Please see the SET UP section of this manual for more information.

PANEL CONTROLS

21.EQ

Press this button ENTER the equalizer feature for the sound delivery system. It's interface will be displayed on the LCD Screen. Please see the Equalizer section for more information.

22.VIOCE

Press VOICE button to choose one of the many instrument voices.
There is a complete list of all 142 voices in the back of the manual.
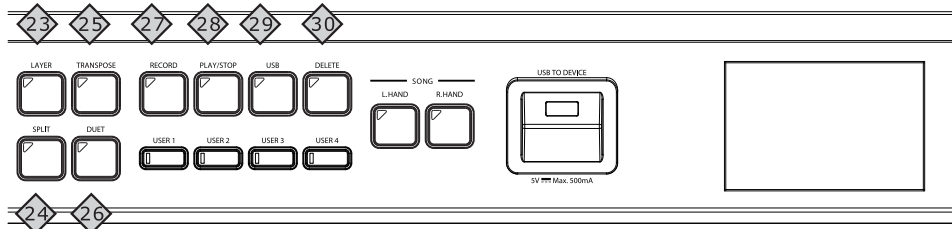
23.LAYER:

Press the LAYER button to put the keyboard in the layer or dual mode. Layer refers to an additional voice that is tone mixed with the main selected instrument voice. The assigned layer voice will be heard with the original selected voice when the keys are played.
Please see the Keyboard Voice section of this manual for more information.

24.SPLIT:

With the split feature engaged the keyboard operates in the split mode. In the split mode the keyboard is divided into two sections. In the right hand section of the keyboard the main or layered voice will sound. In the left hand section a different voice can be assigned to sound when the keys are being played.
Please see the Keyboard Voices section for more information.

25.TRANSPOSE

Press the TRANSPOSE button to engage the keyboard transposition mode. Press again to exit this mode. Please see the Function section for further information.

26.DUET

With the duet feature engaged the keyboard is divided into two sections, left A1-C3 and right C#3-C7 will play the exact same notes. The two sections will share the same voice and volume. This is feature is used for teaching or when two people want the play the piano simultaneously. Please see the Keyboard Voices section for more information.
Please note, engaging the DUET feature will disable the Layer, the Split and the Auto Accompaniment modes.

PANEL CONTROLS
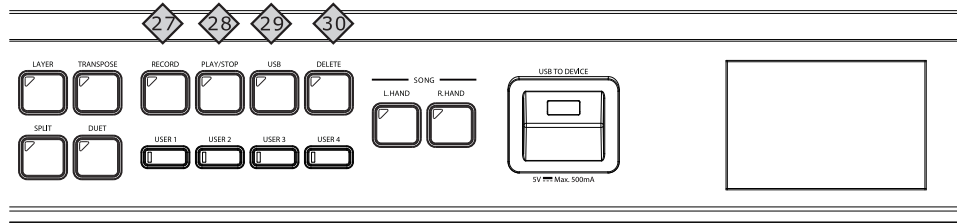
27.RECORD:

The RECORDING feature allows you to record your performance. The 2 track recording sequencer is able to record one song internally. All note events will be recorded exactly as they are performed. This recorded information will not be lost when the power is turned off however it can be saved to the USB drive.
Please see the Record section of this manual for more information.

28.PLAY/STOP:

Press the PLAY/STOP button to hear your selected recorded track(s) when in the Record mode and the Play Along Songs Music Teacher mode or when the recorded USB drive song data are engaged. Press the PLAY/STOP button again to stop any playback.
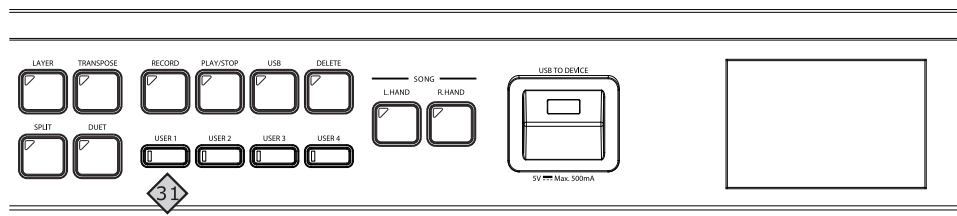
29.USB:

The USB button can access and engage the USB flash drive.
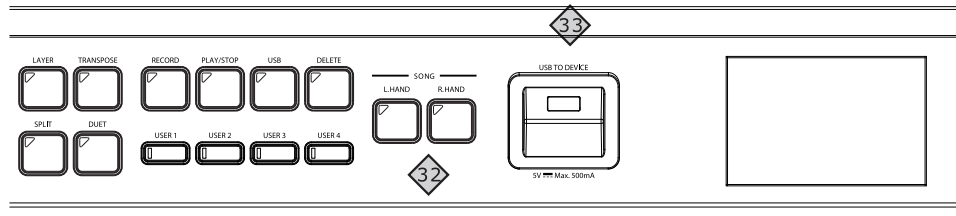Please see the USB section of this manual for more information.

30.DELETE:

Press the DELETE button to delete the selected recorded data file you want to delete.

31.USER 1/2/3/4

Press the USER button to load the current piano settings into the user's Memory registration. There are 4x4=16 User Memory locations. Edit function: Press and hold to ENTER the Registration editing interface. Here you can select a registration and edit the parameters of the current memory location.

PANEL CONTROLS

32.SONG LEFT/RIGHT :

Pressing the LEFT and RIGHT buttons simultaneously turns the Play Along Song function on and off. Please see the Play along songs section of this manual for more information.

33.USB TO DEVICE:

On the right end of the control panel is the USB TO DEVICE port. When you insert your USB flash drive into this USB port you can record your performances, save your user settings and/or playback one of the hundreds of Classical and Jazz MIDI file songs from the included USB flash drive.
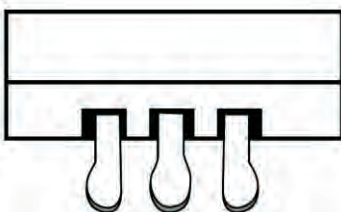
BOTTOM OF PIANO

Connector panel is located on the bottom of the piano.
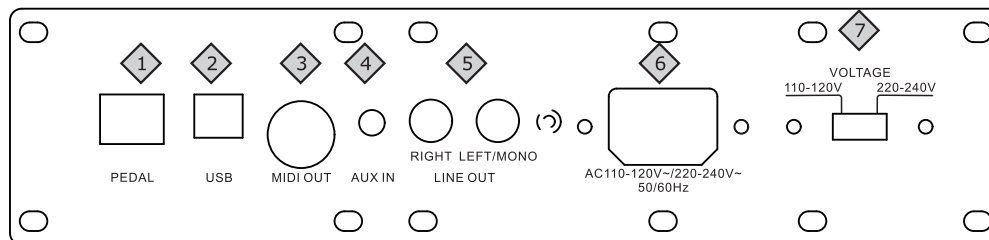
1.PEDAL

This piano is complete with three function pedals.

1. SOFT PEDAL
When the left soft pedal is engaged the piano volume is reduced and the timbres lightly altered on the notes that are played.

2. SOSTENUTO PEDAL:
When the center pedal is engaged, the keys that have been played and already sounding will continue to sustain and their notes will decay gradually. Piano keys that are played after the Sostenuto pedal has been pressed are not affected.

3. SUSTAIN PEDAL:
Like the damper pedal on an acoustic piano the right sustain or damper pedal will sustain the sound of the piano keys after releasing the piano keys while the pedal is engaged. The length of sustain time is determined by the selected instrument voices natural decay tendencies.

2.USB TO HOST:

Here you can connect your computer via a USB cable. If your computer is connected, performance data can be transferred between the piano and sequencer software (sold separately) on your computer or USB Device, allowing you to produce and/or edit music. This piano is USB Class Compliant, there fore there is no need to install a driver.
Just plug it in and the OS will do the rest. The piano will work with all standard MIDI based computer software.
♪Please also note, do not turn on the piano with the USB cable connected to the computer to avoid having to restart your computer. It can be connected without driver installation for Windows XP, Windows7, 10, 11andMACOSXenvironment.The piano will be recognized as USB audio device to receive and transmit MIDI messages etc...

BOTTOM OF PIANO

Connector panel is located on the bottom of the piano.

3. MIDI OUT:

This piano contains a MIDI output port that transmits MIDI data to another USB or MIDI device allowing communication with other products equipped with MIDI interfaces. Connect the piano's MIDI Out to another device's MIDI In to transmit MIDI data to that device.
Please see the MIDI section of this manual for further details.

4. AUX IN:

These stereo ¼" line audio output jacks supply the piano's output signal to external amplification, such as a PA System, Keyboard Amplifier, Mixing Board or even a home stereo, amongst other applications.
The piano's internal sound system will remain on unless headphones are plugged into either headphone jack.

5. LINE OUT:

These stereo RCA line audio output jacks supplies the piano's output signal to external amplification, such as home stereo, PA system or keyboard amplifier or to send to a mixing console or tape recorder. The piano's internal sound system will remain on unless headphones are plugged into either headphone jack.

6.AC110-120V/220-240V:

You do not need to touch this switch if you are in the North American Market. It is already set for 110 volts.
1)Plugging in the AC Cord for the AC power (Fig.1)
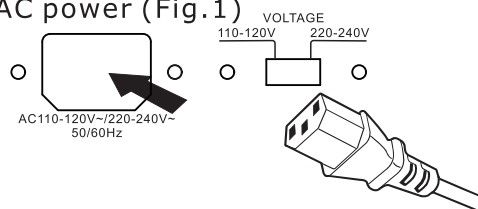
2)You can switch between AC110V and AC220V(Fig.2).Position the piano in the desired location, making sure that the power chord can reach a AC power connection point. AC110V is already selected on this switch.
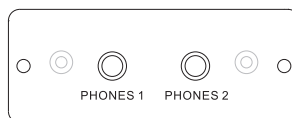
1 HEADPHONES 1 & 2:

You can play in total silence, without disturbing others in the room by plugging a set of headphones in to one of the of two headphone sockets. When headphones are plugged into either of these jacks the internal speaker system is turned off.
Please note, using headphones at high volume levels may cause permanent hearing damage.

DEMO

This piano has 21 different demonstration(demo)songs that are designed to showcase some of the different sampled voices that are available.

PLAY DEMO SONGS

Press the DEMO button, the indicator will blink and the first demo song will play.
The demo song and number will appear on the display and will change as the subsequent songs play. This piano has various demo songs that will all play in sequence.
Press the DEMO button again to stop the demonstration.

CHOOSE A DEMO SONG

1.Press the DEMO button.
2.Use the ⏶ ⏷ buttons or +/YES/-/NO button to change songs while the demo is playing.
3.Use the ◀ ▶ buttons to select the play mode.
4.Press the DEMO button again to stop the demo songs from playing.
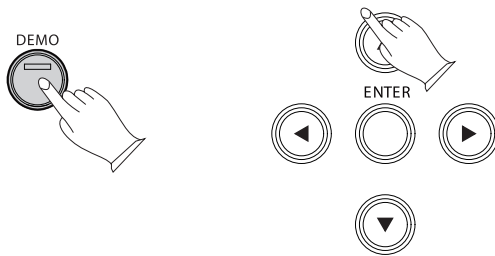
Single------ Single play
Chain------Sequence play
Random------Random play

KEYBOARD VOICES

This piano offers 142 authentic acoustic instrument voices offering unmatched realism with digital effects and DSP FX to further enhance the sound.
Please see the complete list of all 142 voices in the Voice List at the back of this manual.

VOICE SELECT
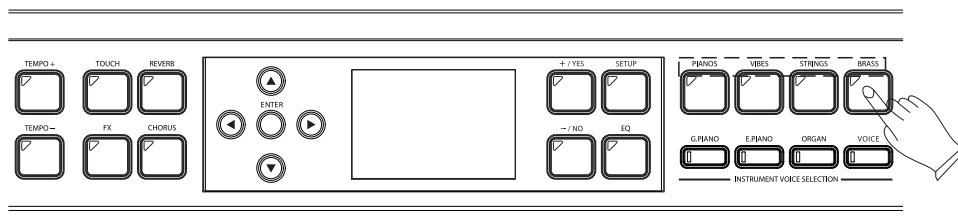
QUICK SELECT VOICE BUTTONS

There are 8 voices that can be selected quickly by pressing one of the voice select buttons: PIANOS/ G.PIANO / VIBES/ E.PIANO / STRINGS /ORGAN / BRASS/VOICE. The voice name is printed above the select button.

1.Press the voice select button that corresponds to the desired voice. The voice name and its number will show on the display and the newly selected voice is available for playing.

2.You can also use the +/YES, -/NO buttons to select voice.
3. Hold down the G.PIANO button can restore the G.PIANO mode.

SELECTING ONE OF THE 142 VOICES

1.Press the VOICE selection button to 1. select an instrument voice. The indicator LED turn on when button is selected.
2.Press the ENTER button.
3.Use the ◄ ► buttons to select a voice group, use the +/YES and -/No button or use the ▲ ▼ buttons to select the desired voice.
The newly selected voice name and number will be on the screen and that voice is selected for playing on the keyboard.
Please refer to the Voice List at the back of the manual for a list of all available voices.
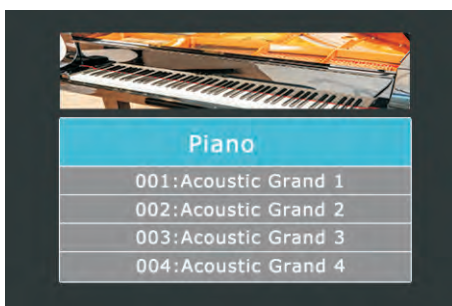
PANEL CONTROLS

On the main interface, when the voice is selected(See Below).
1.Use the +/YES and -/No button to select the desired voice.
2.Use the ENTER button to ENTER voice group.
Use the +/YES and -/No button or use the ⊙⊙ buttons to select the desired voice.
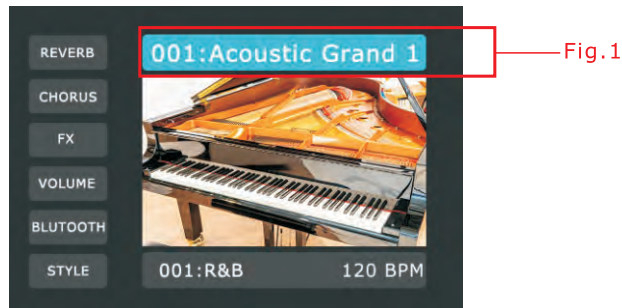
Fig.1

ADJUSTING THE KEYBOARD VOICE VOLUME

1.Select the VOLUME module on the main interface(Fig.1), press ENTER button to confirm.
2.Use the ⊙ ⊙ buttons to select main Volume / Split volume/ Dual volume/ Learn
volume/ USB song volume. Than use +/YES/-/NO buttons to adjust the volume(Fig.2).
3.Press the ENTER button to return to the main interface.
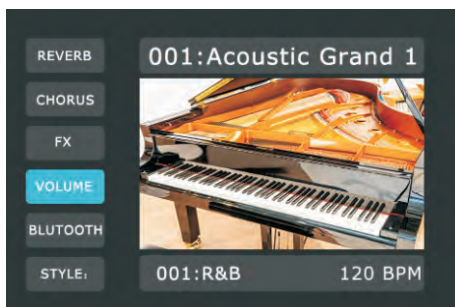
Fig.1

Fig.2

KEYBOARD VOICES

TOUCH

Press the TOUCH button to engage the touch sensitivity velocity curve and the indicator will light up. The LCD will display the function interface(Fig.1). Reference: Function(Touch Curve/Touch Fixed)(P33).
Press the TOUCH button again to exit Touch mode and the indicator will turn off.
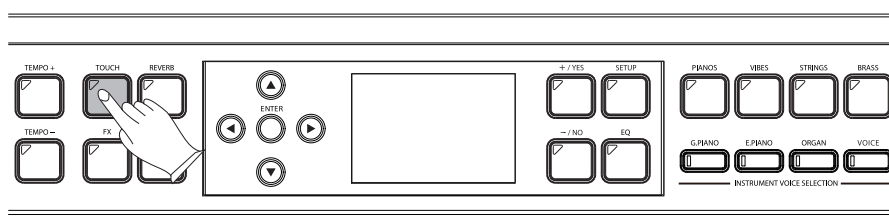
SPLIT VOICE

In the split mode the keyboard is divided into two different instrument voice sections. To the right of the split point the currently selected main instrument voice will sound. The keys to the left of the split point can be assigned to play different instrument voices.
The default split point for the two different instrument voices is the B2 key. This split point key can be changed in the Function menu, please see the Function section for more information.

1.Hold down the SPLIT button, the currently assigned split voice will show on the display.
2.While the indicator is lit, use the +/YES,-/NObuttonsto select the desired split instrument voice. The LCD display will show the split voice number and name.
3.Use the ⏶ ⏷ buttons to select the EXIT and press ENTER button to return to the main user screen.
4.Press the SPLIT button to turn the split feature off, the indicator will turn off.

KEYBOARD VOICES

If the SPLIT button indicator is lit, the split feature is engaged.

To Change the Split Point

Hold the Split button and then press a key on the keyboard to reset the split point. This newly selected piano key will be the top key of the lower split.
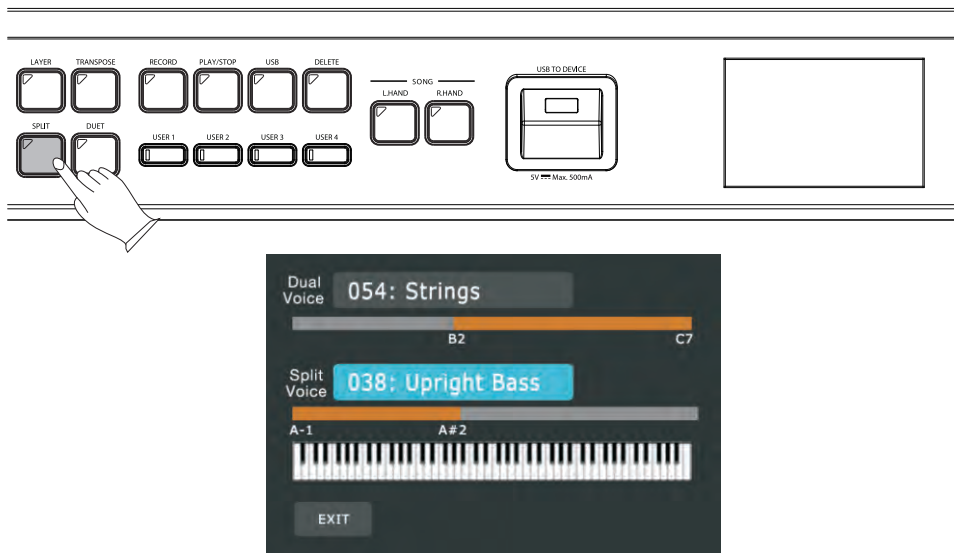
REVERB

The reverb effect is engaged automatically when the power is turned on. Reverb simulates the effect of playing in a larger room or hall where the sound reverberates off the halls and ceiling.
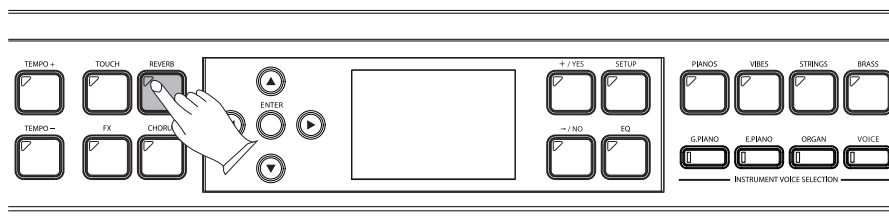
When the Reverb Button is engaged use the ▲ ▼ buttons to access the reverb mode. Press the ENTER button, then use the ▲ ▼ buttons to change the Reverb Type/Reverb Level/ Decay Time mode.

KEYBOARD VOICES
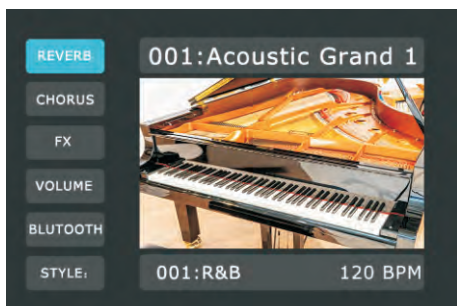
Fig.1
Fig.2
Fig.3

Reverb Type

1.Use the ▲ ▼ buttons to select the Reverb Type(Fig.1).
2.Use the +/YES/ -/NO buttons to change the types, Range: Room1,Room2,Hall1,Hall2,
Hall3,Hall4,Plate1,Plate2.
At the same time press +/YES and -/NO buttons or DEFAULT button to restore the
default value.

Reverb Level

1.Use the ▲ ▼ buttons to select the Level(Fig.2 above).
2.Use the +/YES/ -/NO buttons to change the value, Range: 0-127.
At the same time press +/YES and -/NO buttons or DEFAULT button to restore the
default value.

Decay Time

1.Use the ▲ ▼ buttons to select the Decay Time(Fig.3 above).
2.Use the +/YES/ -/NO buttons to change the value, Range: 0-127.
At the same time press +/YES and -/NO buttons or DEFAULT button to restore the
default value.

Use the ▲ ▼ buttons to select the EXIT to leave the current mode.
Use the ▲ ▼ buttons to select the SAVE to save the set value.

CHORUS

The Chorus type effect adds depth and spaciousness to the selected keyboard voice.
Press the CHORUS button to engage the chorus effect and the indicator will light up.
Press the button again to turn off the chorus effect.

KEYBOARD VOICES

When the Chorus Button has been engaged use the ⓐ ⓥ buttons to select the chorus mode that you would like to edit.
Press the ENTER button and then use the ⓐ ⓥ buttons to select the Chorus Type/Chorus Level/ Chorus Depth mode.
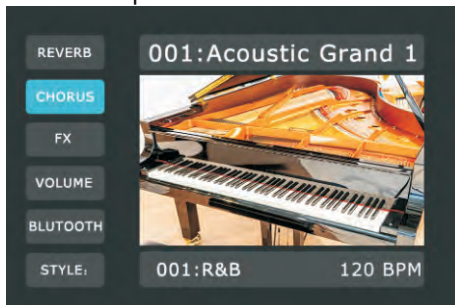
Chorus Type

1.Use the ⓐ ⓥ buttons to select the Chorus Type(Fig.1).
2.Use the +/YES/ -/NO buttons to change to one of the different types of chorus: Flange1, Flange2,Flange3,Big Pad, Chorale, Stereo, Slow.
At the same time press +/YES and -/NO buttons or DEFAULT button to restore the default value.

Chorus Level

1.Use the ⓐ ⓥ buttons to select the Chorus Level(Fig.2).
2.Use the +/YES/ -/NO buttons to change the value, Range: 0-100.
At the same time press +/YES and -/NO buttons or DEFAULT button to restore the default value.

Chorus Depth

1.Use the ⓐ ⓥ buttons to select the Chorus depth(Fig.3).
2.Use the +/YES/ -/NO buttons to change the depth value, Range: 0-100.
At the same time press +/YES and -/NO buttons or DEFAULT button to restore the default value.
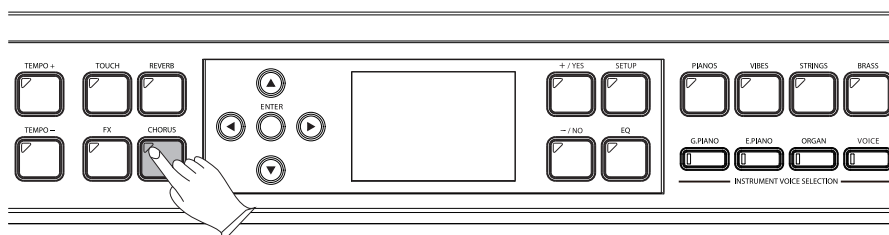
Use the ⓐ ⓥ buttons to select the EXIT to exit and to leave the current mode.
Use the ⓐ ⓥ buttons to select the SAVE to save.

LAYER VOICE

Layer refers to an additional voice that is tone mixed with the selected keyboard voice. The assigned additional layer voice will be heard with the original voice when the layer feature is engaged.

KEYBOARD VOICES

1.Press the LAYER button, the currently assigned layer voice will show on the display, and the indicator will light up signaling that the layer feature is engaged(Fig.1).
2.Use the +/YES, -/NO buttons to select your desired layer voice.
3.Use the ⏶⏷ buttons to select the EXIT button and press ENTER button to return to the main interface.
4.Press the LATER button to turn the layer feature off, the indicator will turn off.

If the LAYER button indicator is lit, the layer feature is engaged.
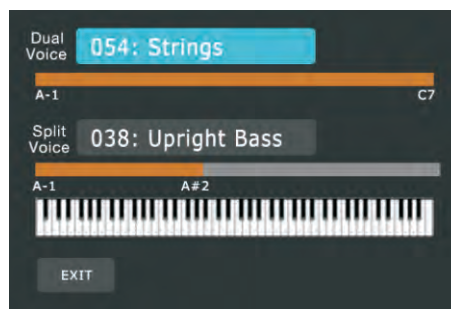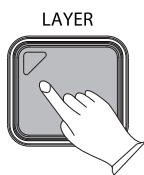
FX

The FX Mode is a powerful DSP Sound Sculpting tool to additional flavor and depth to your favorite instrument voices. Explore the various sound options in this feature on your favorite instrument voices.
Press the FX button to engage the FX effect and the indicator will turn on.
Press the button again to turn off the FX effect.
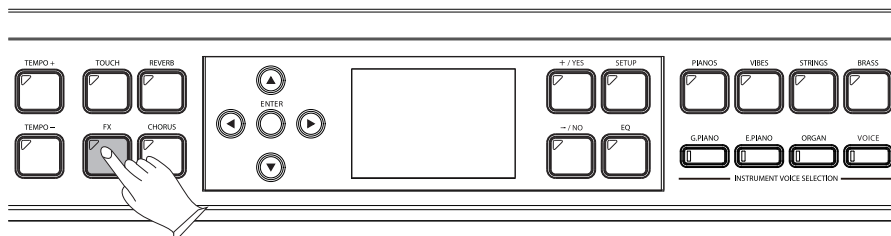
On the main interface, use the ⏶⏷ buttons to select the various FX modes.
Press the ENTER button.
Use the ⏶⏷ buttons to select the ModFX Type/Mod and/or FX Depth/Rate/OverDrivemode.
Use the +/YES/ -/NO buttons to change their value.

KEYBOARD VOICES


```
Voice:    001:Acoustic  Grand1
ModFX Type              Tremolo1
ModFX Depth             100
ModFX Rate              102
Overdrive               0%

SAVE    DEFAULT              EXIT
```
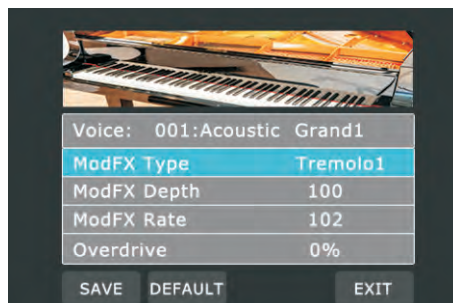
ModFX Type

1.Use the ▲ ▼ ◄ ► buttons to select the ModFX Type(above).

2.Use the +/YES or -/NO buttons to change the type: Tremolo 1, Tremolo 2, Phaser 1, Tremolo 3, Vibrato 1, Phaser 2, Vibrato 2, Chorus, Tremolo 4, Vibrato 3, Rotary.

At the same time press +/YES and -/NO buttons or DEFAULT button to restore the default value:4/4.

ModFX Depth

1.Use the ▲ ▼ ◄ ► buttons to select the ModFX Depth(see above).

2.Use the +/YES or -/NO buttons to change the depth: 0-127.

At the same time press +/YES and -/NO buttons or DEFAULT button to restore the default value.

Rotary Speed

1.Use the ▲ ▼ ◄ ► buttons to select the rotary speed(see above).

2.Use the +/YES/ -/NO buttons to change the speed: Pedal, Slow, Fast(Pedal).

At the same time press +/YES and -/NO buttons or DEFAULT button to restore the default value.

OverDrive

1.Use the ▲ ▼ ◄ ► buttons to select the over drive(see above).

2.Use the +/YES/ -/NO buttons to change the value, range:0%.-100%

At the same time press +/YES and -/NO buttons or DEFAULT button to restore the default value.

Use the ▲ ▼ buttons to select the EXIT to the current mode.

Use the ▲ ▼ buttons to select the SAVE to save the set value.

TRANSPOSE

Press the TRANSPOSE button to jump to the performance interface(Transpose).
Press the TRANSPOSE button again to exit. Reference: Function(Transpose)
(P33).
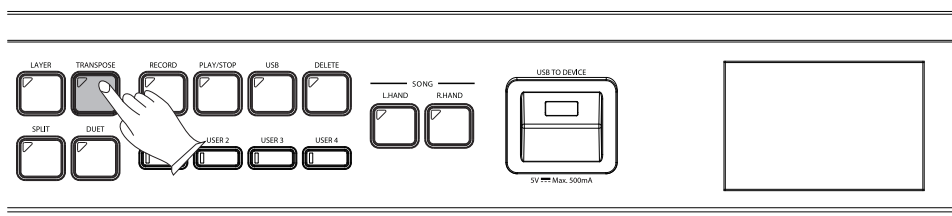
KEYBOARD VOICES

DUET

This is a feature of piano teachers or anytime two people want to play the piano simultaneously. With the duet feature engaged the keyboard is divided into two sections that play the same notes. The two sections, left A1-C3 and right C#3-C7 have the exact same notes and share the same voice, octaves and volume. This is a great feature for teaching or when two people want to play the piano simultaneously.
When the duet feature is engaged, the pedals will automatically change configuration so there are two sustain pedals, one for each portion of the keyboards.

1. Press the DUET button, the status of the duet feature will be shown in the display, and the indicator will light up. Use the +/YES/-/No buttons to change the main voice.
2. To turn the duet feature off press the DUET button so that the indicator goes out.
Please note, engaging the DUET feature will disable the Layer and Split modes and the Auto Accompaniment feature.
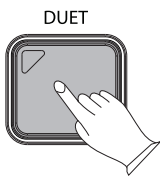
EQUALIZER

You can change the Overall sound of the piano by adjusting the EQ settings to increase or decrease the high, mid sand low frequencies. Normally the piano is set at a flat EQ. However you may prefer more bass or more midrange on certain instrument voices. By adjusting the EQ settings you can sound sculpt your selected instrument voice to your preference.

1.1. Press EQ button and ENTER to see the EQUALIZER interface on the LCD Screen.
2. Use the ▲ ▼ buttons to select the Mellow/Flat/Bright/Default, press the ENTER to confirm.
3. Use the ◄ ► to select the Low/Lo Mid/Mid Hi/High, then use the +/YES/-/NO buttons to change the value. Use the ▲ ▼ buttons to select the SAVE to save the set value.
4. Press the EQ button again to exit.
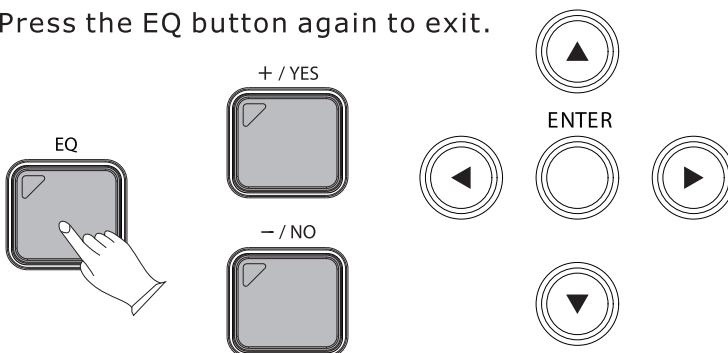
RHYTHM

This piano offers 100 rhythm styles (drum patterns)and a variation of each of those style patterns to choose from. Each rhythm style includes an introduction, the main pattern, two fill-ins, a variation and an ending pattern.
Pleaseseethecompletelistofall100rhythmstylesinthebackofthemanual.
The rhythm with accompaniment section of the piano can be engaged by the auto accompaniment split point. The keys on the left of the split point are reserved for the auto accompaniment. The keys to the right are available for normal playing to the selected auto accompaniment pattern.

RHYTHM STYLE SELECT

QUICK SELECT RHYTHM STYLE BUTTONS
There are five style category that can be selected quickly by pressing one of the rhythm select buttons: BALLAD/POP/COMBO/LATIN/LOUNGE.The style name is printed under the select button.

1.Press a STYLE selection button to select style category.(TheindicatorLED will turn on when the STYLE is selected)
2.The style category name and its number will show on the LCD display and the newly selected style is available for playing.
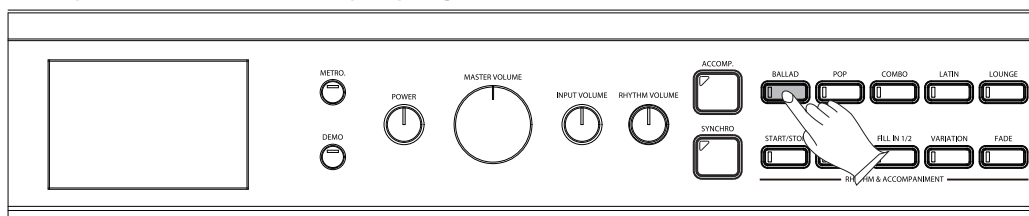
3.Or you can also use the +/YES,-/NO buttons to select a different style from the LCD Screen.

SELECTING ONE OF THE 100 RHYTHM STYLES
1.Press the STYLE selection button to select style.(The indicator LED will turn on when the STYLE button is selected)
2.Press the ENTER button.
3.Use the ◀ ▶ buttons to select a style group.
4.Use the ▲ ▼ buttons to select the style.
The newly selected style name and number will be on the screen.
Please refer to the style List at the back of the manual for a list of all available styles.
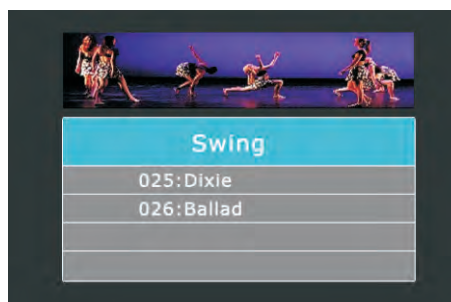
RHYTHM

On the main interface, when the style is selected(Fig.1).
1.Use the +/YES and -/No button to select the desired style.
2.Use the ENTER button to ENTER voice group.
Use the +/YES and -/No button or use the ▲ ▼ buttons to select the desired style.

Fig.1
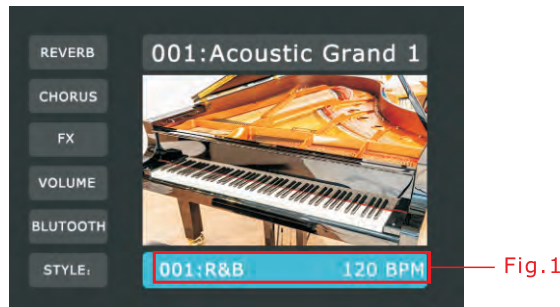
USING THE RHYTHM STYLE

There are three ways to start the rhythm style; straight start, synchronized start, or with an introduction. You can stop your rhythm style with a finishing ending pattern.

STRAIGHT START

The START/STOP button starts the percussive rhythm immediately.
1.Press the START/STOP button, the selected rhythm style will play.
2.Press the START/STOP button again to stop.

START/STOP   INTRO/ENDING   FILL IN 1/2   VARIATION   FADE

RHYTHM & ACCOMPANIMENT
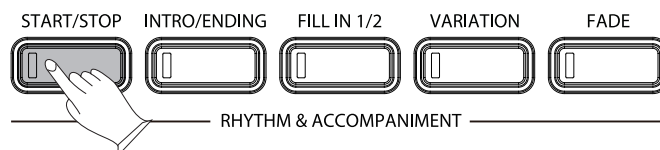
SYNCHRONIZED START

Synchronized Start puts the accompaniment in the standby mode.
1.Press the SYNCHRO button, the first point of the virtual rhythm indicator on the LCD screen will turn red(Fig.1). showing that the synchronized start mode is ready. The rhythm style will start as soon as you play in the left hand, accompaniment, section of the keyboard.
2.Press the START/STOP or the SYNCHRO button again to stop the rhythm style. If the SYNCHRO button is used, the synchronized start mode will be put back on standby.

SYNCHRO

Fig.1

24
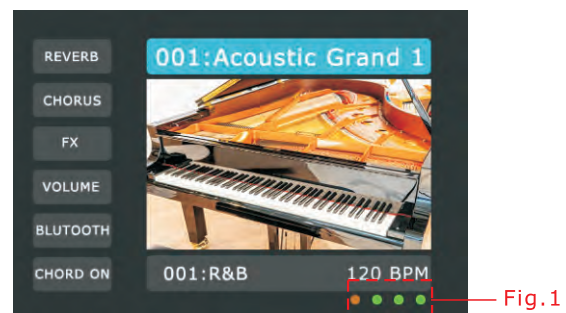
RHYTHM

ACCOMPANIMENT

Each of the 100 percussive rhythm styles has its own auto accompaniment, dedicated to that style. These auto accompaniment patterns create fully orchestrated rhythm, bass and chord progressions based on the chords that you play with your left hand. The selected rhythm style determines the characteristics of the auto accompaniment. The accompaniment produced is perfectly matched to the selected rhythm style. For auto accompaniment modes the keys are divided into two sections at the auto accompaniment split point. The keys to the left of this point are defined as the accompaniment section of the keyboard. Please note, the accompaniment volume can adjusted independently from the master volume by using the ACCOMP. volume knob next to the master volume knob on the control panel.

ACCOMP.

INTRODUCTION AND ENDING PATTERNS

Allofthe100 styles and their variations can be started with their individual introduction.
1.Press the INTRO/ENDING button, the rhythm of the introduction will start followed by the main rhythm pattern.
2.Press the SYNCHRO button before pressing the INTRO/ ENDING button to add an introduction.
The introduction, followed by the rhythm style will start as soon as you play in the left hand section of the keyboard.
3.Press the START/ STOP button to stop the accompaniment or press the INTRO/ENDING button again to stop with an ending pattern. An ending pattern can be used at any time regardless of whether you started with an introduction.
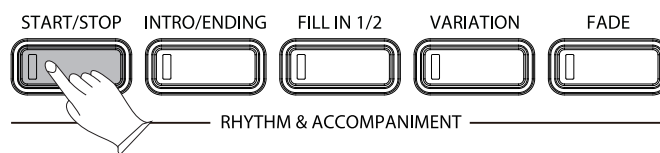
START/STOP   INTRO/ENDING   FILL IN 1/2   VARIATION   FADE

——— RHYTHM & ACCOMPANIMENT ———

FILL IN

The fill-in provides the accompaniment with a short rhythm pattern of one or two measures for each style. Press the FILL IN 1/2 button at any time while the accompaniment is playing to add a fill-in1 . If you hold down the FILL IN1/2 button, the fill-in pattern will repeat until the button is released, then the main pattern will play from the beginning of the next measure.

START/STOP   INTRO/ENDING   FILL IN 1/2   VARIATION   FADE

——— RHYTHM & ACCOMPANIMENT ———
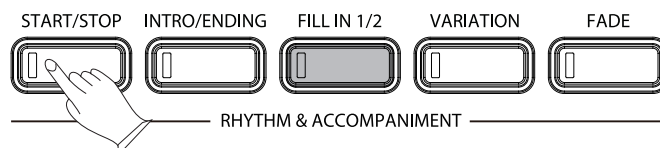
RHYTHM

VARIATION

All of the 100 rhythm styles include a variation of that style that can be played simply by engaging the VARIATION button. Press the VARIATION button again to disengage and return to the main pattern.

START/STOP   INTRO/ENDING   FILL IN 1/2   VARIATION   FADE
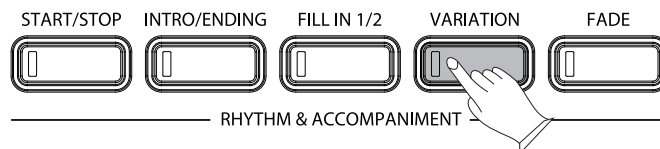
RHYTHM & ACCOMPANIMENT

FADE

Press the FADE button makes rhythm and accompaniment patterns fade up in volume when starting the rhythm. Or while the rhythm is playing, press the FADE button to make rhythm volume fade down and away.

START/STOP   INTRO/ENDING   FILL IN 1/2   VARIATION   FADE

RHYTHM & ACCOMPANIMENT
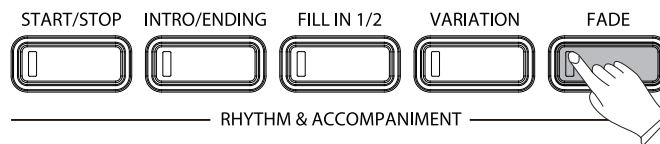
ADJUSTING THE TEMPO

When playing the rhythm, there is a virtual four-beat indicator, within the LCD screen, that flashes with the tempo and the beat for the rhythm style playing. Each style has its own preset tempo.
The tempo can be adjusted before or during rhythm style play.
If you change rhythm styles while a rhythm style is playing, the tempo will stay at the initial styles value. There fore we suggest stopping the current style pattern before changing to a new one.
Press the TEMPO+/- buttons to change the tempo.

TEMPO +

TEMPO −

REVERB
CHORUS
FX
VOLUME
BLUTOOTH
CHORD ON

001:Acoustic Grand 1

TEMPO 100

001:R&B   120 BPM
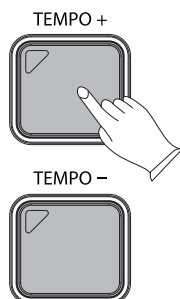
Please note, if the METRONOME button is engaged, the metronome tick will sound at the selected rhythm style tempo.

AUTO ACCOMPANIMENT

As mentioned above each of the 100 percussive rhythm styles has its own auto accompaniment, dedicated to that style. These auto accompaniment patterns create fully orchestrated rhythm, bass and chord progressions based on the chords that you play with your left hand.
The selected rhythm style determines the characteristics of the auto accompaniment. The accompaniment produced is perfectly matched to the selected rhythm style.
For auto accompaniment modes the keys are divided into two sections at the auto accompaniment split point. The keys to the left of this point are defined as the accompaniment section of the keyboard.

SPLIT POINT FOR AUTO ACCOMPANIMENT

For auto accompaniment, the keyboard is split into two sections. The default split point is the G2 key. A different split point for the auto accompaniment can be assigned in the Function menu.
Please see the Function section of this manual for more information.

ADJUSTING THE CHORD

The ACCOMP. button must be selected for the auto accompaniment to be engaged.
Please see the next section for further details on using the Auto Accompaniment feature.

AUTO ACCOMPANIMENT

The auto accompaniment, or auto bass chord, fingering modes of this piano are single or fingered. The default setting is the fingered mode. The fingering mode is assigned in the Function menu.
Please see the Function section of this manual for more information.

SINGLE MODE

Single, or "intelligent", fingering mode makes it simple to produce four types of orchestrated accompaniment chords using a minimum of fingers, while playing in the auto accompaniment section of the keyboard.
In this mode, keys in the auto accompaniment section of the keyboard are used to produce major, seventh, minor, and minor-seventh chords, the keys are not available for normal playing. The auto accompaniment will start with the percussive rhythm as soon as a key in the auto accompaniment section is played.
Please refer to Using the Auto Accompaniment.

Major Chord: Press any key in the auto accompaniment section of the keyboard. The key you press determines the root note of the major chord.

Minor Chord: Press the root key and any black key to its left in the auto accompaniment section of the keyboard simultaneously to produce the minor chord.

Seventh Chord: Press the root key and any white key to its left (7th key) in the auto accompaniment section of the keyboard simultaneously.

Minor-Seventh Chord: Press the root key and both a black key and a white to its left in the auto accompaniment section of the keyboard simultaneously

C

Cm

C7

Cm7

FINGERED MODE

The fingered mode is ideal if you already know how to play chords on the keyboard. It allows you to play the chords in the auto accompaniment section of the keyboard that produce the selected auto accompaniment pattern. The auto accompaniment will start as soon as a recognized chord is played in the auto accompaniment section of the keyboard. The keys are not available for normal playing. Please note, if a chord played can not be recognized (fingered beyond the table), the previous chord will keep playing. An unrecognized chord cannot start the auto accompaniment.
Please see the Auto Accompaniment Fingering Guide table at the back of this manual for a list of all the 32 playable chords of this mode.

AUTO ACCOMPANIMENT

USING THE AUTO ACCOMPANIMENT

The rhythm style and corresponding auto accompaniment can be started as a straight start or set for a synchronized start. An introduction can be added and an ending pattern can be used when stopping.
Please note, if the ACCOMP button is not engaged only the rhythm style will play.

STRAIGHT START

1. Select a rhythm style. Please refer to RHYTHM STYLE SELECT.
2. 1.Select a fingering mode as shown above.
3. Press ACCOMP button to engage the auto accompaniment mode, the indicator will turn on.
4. Press the START/STOP button. The START/STOP button will start the rhythm style immediately for both fingering modes. Depending on the fingering mode selected the auto accompaniment will start as follows:

   • Single: Auto accompaniment will start as soon as a single note is played in the auto accompaniment section of the keyboard.
   • Fingered: Auto accompaniment will start as soon as a recognized chord is played in the auto accompaniment section of the keyboard.
5. Press the START/STOP button again to stop the rhythm style and auto accompaniment.

SYNCHRONIZED START

Synchronized Start mode puts the piano auto accompaniment on standby. It allows you to start the rhythm style and its auto accompaniment by playing on the keyboard.

1. Select a rhythm style. Please refer to RHYTHM STYLE SELECT.
2. Selectafingeringmode as shown above.
3. Press the ACCOMP button to engage the auto accompaniment mode, the indicator will be lit.
4. Press the SYNCHRO button, the beat indicator will light up, indicating that the synchronized start mode is engaged. If you want to start the accompaniment with a introduction, press the INTRO/ENDING button, or with either fill pattern press the FILL IN1/2 button for that now. Depending on the fingering mode selected, the SYNCHRO button will start the rhythm and the auto accompaniment as follows:

   • Single: :The rhythm style and auto accompaniment will start as soon as a single note is played in the auto accompaniment section of the keyboard.
   • Fingered: The rhythm style and auto accompaniment will start as soon as a recognized chord is played in the auto accompaniment sectionof the keyboard.

5. Press the START/STOPbuttonto stop the rhythm style and auto accompaniment.
Please note, if the ACCOMP button is not engaged only the rhythm style will play.

AUTO ACCOMPANIMENT

INTRODUCTION AND ENDING PATTERNS

All of the auto accompaniments can be started with an appropriate introduction and stopped with a finishing ending.

1. Select a rhythm style. Please refer to Select One of the 100 Rhythm Styles.
2. Select a fingering mode. Please refer to Select the Auto Accompaniment Fingering.
3. Press the ACCOMP button to engage the auto accompaniment mode, the indicator will turn on.
4. Press the SYNCHOR button, the indicator will light up, indicating that the synchronized start mode is engaged.
Please note, to hear the auto accompaniment introduction the SYNCHRO button must be used, otherwise the rhythm style introduction will begin and the auto accompaniment introduction will not sound.
5. Press the INTRO/ENDING button. Depending on the fingering mode selected, the SYNCHRO button will start the rhythm and the auto accompaniment with an appropriate introduction as follows:

  • Single: The rhythm style and auto accompaniment with introduction will start as soon as a note is struck in the auto accompaniment section of the keyboard.
  • Fingered: The rhythm style and auto accompaniment will start as soon as a recognized chord is played in the auto accompaniment section of the keyboard.

6. Press the START/STOP button to stop the rhythm style and auto accompaniment. Or press the INTRO/ENDING button again to stop the auto accompaniment after a finishing ending pattern. The ending pattern can be engaged anytime an auto accompaniment is playing, whether or not it was started with an introduction.

FILL IN

The fill-in provides the accompaniment with a short rhythm pattern of one or two measures for each style. Press the FILL IN 1/2 button at any time while the accompaniment is playing to add a fill-in1. If you hold down the FILL IN1/2 button, the fill-in pattern will repeat until the button is released, then the main pattern will play from the beginning of the next measure.

VARIATION

All of the 100 rhythm styles include a variation of that style that can be played simply by engaging the VARIATION button. Press the VARIATION button again to disengage and return to the main pattern.

FADE

Press the FADE button to have the rhythm volume fade up when starting the rhythm. While rhythm is playing, press the FADE button to make rhythm volume fade away.

AUTO ACCOMPANIMENT

METRONOME

The built in metronome is a timing device and used as a reference to aid with practice or performance.
1. Press the METRO. button to engage the metronome feature. The button's indicator will turn on, the metronome tick sound will start.
2. Press the metronome button again to turn off the metronome.

METRO.

METRONOME MODE

On the main interface, use the ▲ ▼ buttons to select the metronome mode.
Press the ENTER button, then the display screen will show the selected time signature and tempo.

SETUP

Fig.1
Fig.3

Fig.2
Fig.4
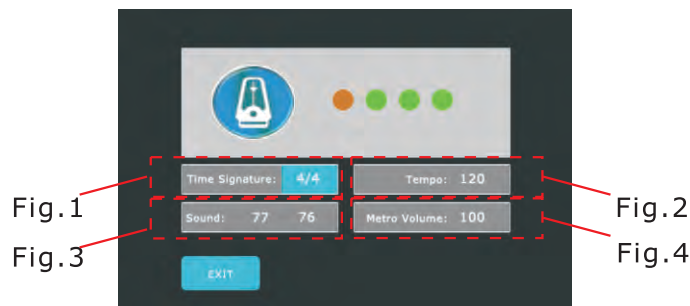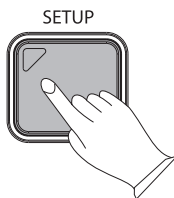
TIME SIGNATURE

The TIME SIGNATURE can be set to the following measures:1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, 7/8,9/8 or 12/8.
1. Use the ▲ ▼ ◄ ► buttons to select the TIME SIGNATURE(Fig.1).
2. Use the +/YES or -/NO buttons to change the time signature.
At the same time press +/YES and -/NO buttons to restore the default value:4/4.

TEMPO

1. Use the ▲ ▼ ◄ ► buttons to select the TEMPO(Fig.2).
2. Use the +/YES/ -/NO or the TEMPO+/- buttons to change the value, Range: 20-280.
At the same time press +/YES and -/NO buttons to restore the default value.

SOUND

1. Use the ▲ ▼ ◄ ► buttons to select the sound(Fig.3).
2. Use the +/YES/ -/NO buttons to change the sound(25-85).
At the same time press +/YES and -/NO buttons to restore the default value.

METRO VOLUME

1. Use the ▲ ▼ ◄ ► buttons to select the metro volume(Fig.4).
2. Use the +/YES/ -/NO buttons to change the value, Range: 0-127.
At the same time press +/YES and -/NO buttons to restore the default value.

Use the ▲ ▼ ◄ ► buttons to select the EXIT to exit the mode.

The SET UP menu is used to set up or to adjust values or levels of various features related to the operation of this piano. This wide range of functions give the piano extraordinary versatility. With the SET UP button engaged you may access the sub-menus for the following:

PERFORMANCE	MIDI	USB	OTHER
Transpose	USB Midi In	USB Play Mode	Bluetooth
Master Tune	Midi Out	USB Audio Level	Bluetooth level
Touch Cure	MIDI Local		Auto Power off
Touch Fixed			Factory Reset
Main Octave			
Split Octave			
Dual Octave			
Split Point			
Chord Point			
Chord Type			
Main Pan			
Split Pan			
Dual Pan			

All of the above listed Function Menus are accessed and adjusted as described below.

1.Press the SET UP button. The menu item that can be manipulated, will appear on the display.
2.Use the ▲ ▼ buttons to select the left function menu(Fig.1).
3.Press ▶ button, and then use the ▲ ▼ buttons to select the sub menu on the right (Fig.2). You can press the ◀ button to return to the left function menu
4.Use the+/YES/-/NO buttons to set a new value or level.
5.Press the SET UP button again to confirm your selection and exit the function mode.

Fig.1   Fig.2

FUNCTION / PERFORMANCE

Fig.1
Fig.2
Fig.3
Fig.4
Fig.5
Fig.6
Fig.7
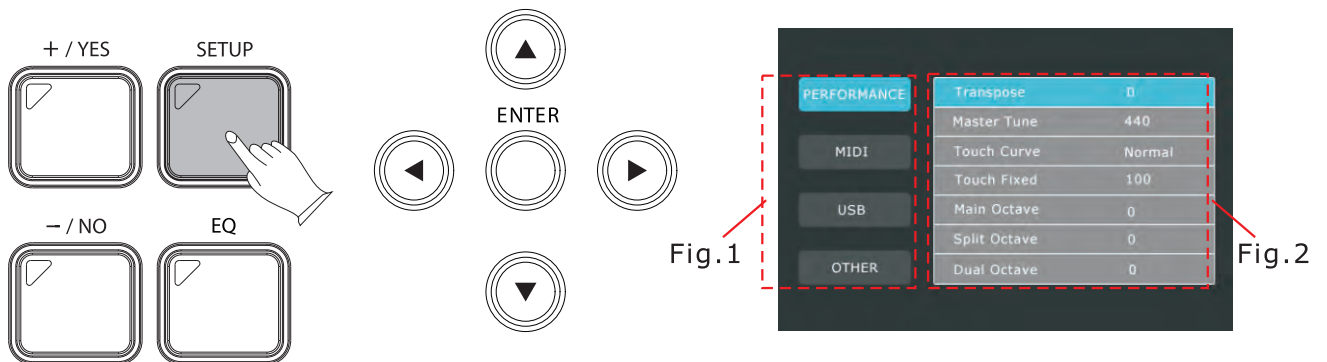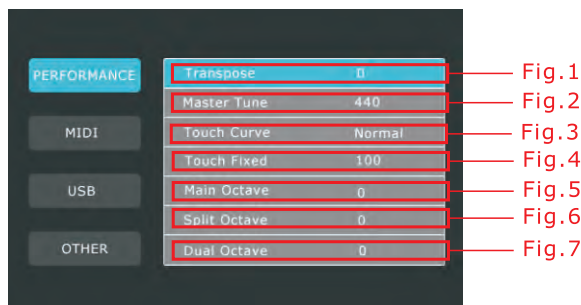
TRANSPOSE

The Transpose function can shift the pitch of the keyboard up or down in semi-tone intervals up to a maximum of 24 semi-tones. Transpose does not affect the percussion. The transpose value range can be adjusted one octave lower to -12 one octave higher 12. Press +/YES and-/NO buttons at the same time to restore the default value:0.(Fig.1)

MASTER TUNE

The pitch of this piano is very accurate and stable; it is automatically set to standard A440 pitch when the piano is turned on. If necessary, you can alter the piano pitch. The tuning feature makes it possible to tune the pitch of the instrument in fine intervals to match other instruments. You can adjust the master tune value from: 415-466.
Press +/YES and-/NO buttons at the same time to restore the default value:440.
(Fig.2)

TOUCH CURVE

The touch function provides four types of piano key sensitivity to match different playing styles: High, Normal, low, Fixed, the default is Normal.(Fig.3)

TOUCH Fixed

The piano keys will transmit at a constant velocity and the sound will be the same volume. You can press the ENTER button then use the +/YES/-/NO buttons to adjust the value from: 0-127. Press +/YES and-/NO buttons at the same time to restore the default value:100. (Fig.4)

MAIN OCTAVE

The Octave function makes it possible to shift all the keys on the piano one or two octaves up or down. With this Function menu you can shift the Main voice from: -2 to +2 octaves. Press +/YES and-/NO buttons at the same time to restore the default value:0. (Fig.5)

SPLIT OCTAVE

With this Function menu you can shift the Split voice from: -2 to +2 octaves, press +/YES and-/NO buttons at the same time to restore the default value:0.(Fig.6)

FUNCTION / PERFORMANCE

Fig.7

Fig.1
Fig.2
Fig.3
Fig.4
Fig.5
Fig.6
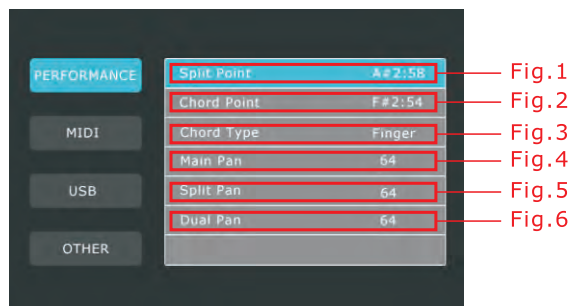
DUAL OCTAVE

With this Function menu you can shift the Dual voice from: -2 to +2 octaves, press +/YES and-/NO buttons at the same time to restore the default value:0.(Fig.7)

SPLIT POINT

When the split mode is engaged the keyboard is divided into two parts at the split point. In the left hand section a different instrument voice can be assigned the split or lower voice. In this menu the default split point of B2 for the voice section can be changed from Key 0 to Key 87 (A-1 to C-7), with a default value of A#2.
You can adjust the split point value from: 01-88.
Press +/YES and-/NO buttons at the same time to restore the default value: A#2.(Fig.1)

CHORD POINT

For the auto accompaniment the keyboard is split into two sections at the default split point G2 key. A different split point for the auto accompaniment can be assigned in the Function menu from Key 0 to Key 87 (A-1 to C-7), with a default value of F#2:54.
You can adjust the chord point value from: 01-88.
Press +/YES and-/NO buttons at the same time to restore the default value: F#2:54.(Fig.2)

CHORD TYPE

The auto accompaniment, or auto bass chord, fingering modes of this piano are: single or fingered. Select a fingering mode: Single, Fingered, using this function menu.
The default value is fingered.(Fig.3)

MAIN PAN/SPLIT PAN/DUAL PAN

This function allows you to set the stereo position of each orchestration part to create a board stereo image to your sound. It can move one part of the piano sound to the left or right speakers to create more of a stage sound.
The main voice pan value can be set from: 0 to 127. Press +/YES and-/NO buttons at the same time to restore the default value:64.(Fig.4)
The split voice pan value can be set from: 0 to 127. Press +/YES and-/NO buttons at the same time to restore the default value:64.(Fig.5)
The dual voice pan value can be set from: 0 to 127. Press +/YES and-/NO buttons at the same time to restore the default value:64.(Fig.6)

FUNCTION / MIDI
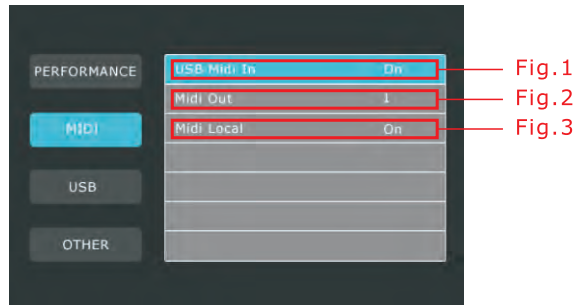
Fig.1
Fig.2
Fig.3

USB MIDI IN

This function allow you to turn on or off the USB MIDI IN function, the default is MIDI on.
(Fig.1)

MIDI OUT

This function allow you to select the MIDI transmission track from 01 -16 or to turn the MIDI transmission function off. The default track is channel 1.(Fig.2)

MIDI LOCAL

This function allows you to turn on or off the speaker system of the piano. Normally, playing on the keyboard generates sound while it sends MIDI messages via the MIDI connector or USB. This mode is called Local On and is the default value. You can mute the piano sounds while still sending out the MIDI messages.
This mode is called Local Off.(Fig.3)
Please note, if the Local is OFF there will be no sound coming from your piano's speakers.

FUNCTION / USB
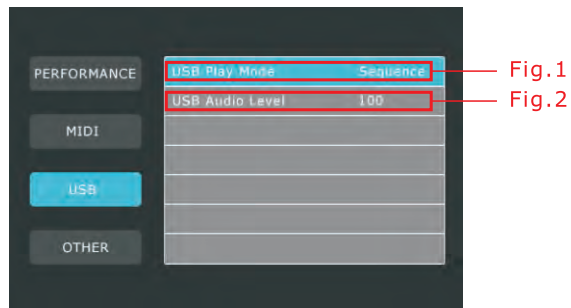
Fig.1
Fig.2

USB PLAY MODE

This function allows you to select the mode for the USB thumb drive playback of your piano. You can select single, sequence, repeat. The default value is Single. See Fig.1

USB AUDIO LEVEL

This function allows you to select the playback Volume for USB thumb drive on the piano. You can set the value of the volume from0-127.Press +/YES and -/NO buttons at the same time to restore the default value:100.(Fig.2)

FUNCTION / OTHER
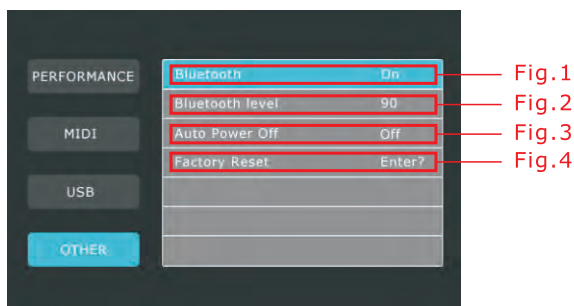
Fig.1
Fig.2
Fig.3
Fig.4

BLUETOOTH

This function allows you to turn Bluetooth on or off while the receiver is engaged, the default setting is Bluetooth On.(Fig.1)

BLUETOOTH LEVEL

You can select the volume level of the Bluetooth device from 0-127. Press+/YES and -/NO buttons at the same time to restore the default value:90(Fig.2)

AUTO POWER OFF TIME

This piano will automatically power off after a preset time of inactivity. Set the length of standby time before the piano powers down in this function menu.
The default setting for this function off. However it can be set from 20 - 60 minutes, or again the feature can be turned off.
Press +/YES and -/NO buttons at the same time to restore the default value: Off
See Fig. 3

FACTORY RESET

You can Reset your piano to the initial factory settings. Please be aware that this will erase all saved data from the User buttons, the Registration memory banks and the song banks and all the changed settings from the Function menu.
Please note, there is no sub-menu for this function, once you select the Reset and press the ENTER button, the piano will reset.(Fig.4)

REGISTRATION MEMORY

Registration Memory can recall particular settings of style, voice, chord and other parameters or features you have engaged. This piano has four banks each with four registration memories to hold 16 of your favorite settings so that they can be recalled quickly by the press of a button. The registration will not be lost when the power is turned off. The following data can be preset and stored in a registration memory:

Main Voice	Master Tune	Split	Tempo
Split Voice	Main Octave	Layer	Chord
Dual Voice	Split Octave	Style Hold	Chord Point
Transpose	Dual Octave	Style	Split Point

SAVE REGISTRATION

1.Hold down the USER1 button for 3 seconds, use the +/Yes/ or -/No buttons to select a bank, BANK1-4.(Fig.1)
2.Use the ▲ ▼ buttons to select a registration memories M1-4(Fig.2)
3.Press the ▶ button, and then use the ▲ ▼ buttons to select the sub menu on the right (Fig.3). You can press the ◀ button to return to the left menu.
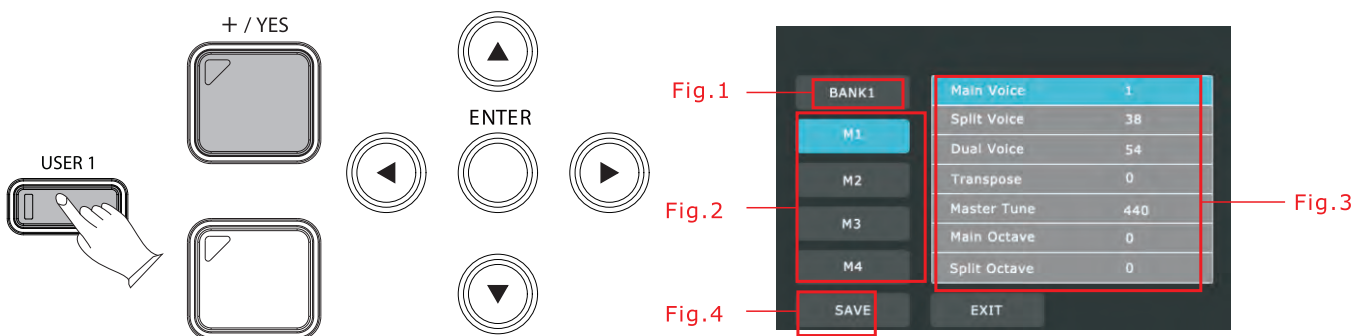
4.Use the ▲ ▼ ◀ ▶ buttons to select the SAVE function and than press the ENTER button.

REGISTRATION MEMORY

RECALL REGISTRATION

1.Press the USER1/2/3/4 button, use the ▲ ▼ button to select a bank,BANK1-4.
2.Press the number User1-User4 button that corresponds to the settings you want to recall in the selected bank, the stored settings will be recalled instantly and the display will show the registration memory number with a "Load" suffix. The display will recover to the voice that is now selected from the registration memory.

USER 1   USER 2   USER 3   USER 4
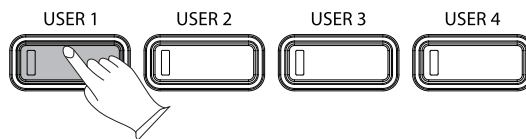
Read Load Registration/Songs Data from USB

Press the USB button, the LED will turn on. Use the ▲ ▼ buttons to select Registration/Songs. Then use the ▲ ▼ buttons to select "Load Midi/Reg From USB" and then use ENTER button to confirm, the LCD will show "REG Loading".

ENTER

Internal Memory   USB Memory
Track1 Rec   001:SONG0001.MID
Track2 Rec
Load Mid/Reg From USB   REG Loading...
Save Internal to USB
Save Reg to USB
SAVE   EXIT
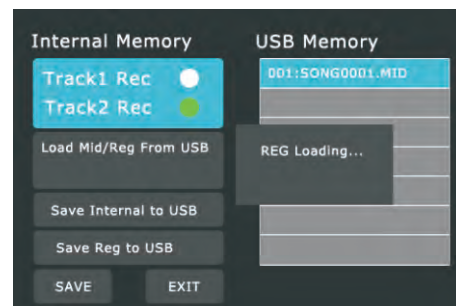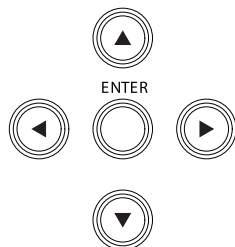
16 groups of Registration Memory settings will be loaded to the memory store on the panel. You can recall the data you have loaded by pressing M1-M4.

Save Registration to USB

Press ▲ ▼ button to select "Save REG To USB" and then use the ENTER button to confirm, the LCD will show a message "XXX:REG-0001.REG"

ENTER

Internal Memory   USB Memory
Track1 Rec   001:REG-001.REG
Track2 Rec
Load Mid/Reg From USB
Save Internal to USB
Save Reg to USB
SAVE   EXIT
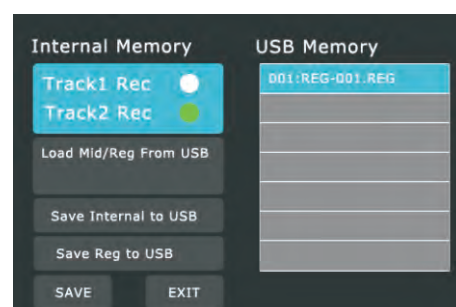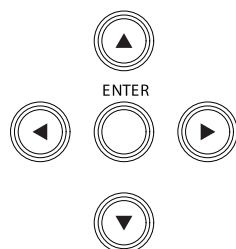
REGISTRATION MEMORY

Save Record to USB

Press the ▲ ▼ button to select "Save Internal USB" and then use the ENTER button to confirm,the LCD will show a message "XXX:Song0001.MID".

Style Hold

In the registration memory mode, press the ▲ ▼ button to change the Style Hold mode to "ON" or "OFF" .
When the Style Hold is turned on and engaged the following style data will "freeze"and be protected from registration recall: Style Number, Tempo.

Your digital grand piano lets you record your performances and Registration setting to a USB Thumb Drive. These recordings include your normal piano playing and also the auto accompaniment parts if engaged.

There are two different ways to record: USB Recording and Melody Track Recording. Melody Track Recording records to the piano and save's into the piano's internal memory.

Two Track recordings can be saved directly onto a USB thumb drive and saved as a MIDI File. That MIDI file on the USB Thumb Drive can be loaded into the piano's internal memory.

RECORD

■ USB Recording

1.Insert the USB Thumb Drive into the USB Port on the Control panel and the USB button LED will Turn On.

If your USB thumb drive is plugged in but the [USB] button indicator is off, then press the USB button to restore the USB mode and turn on the USB Button LED.

RECORD   PLAY/STOP   USB   DELETE
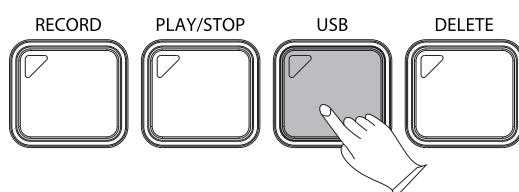
2.Start Recording

Press the RECORD button and it's LED will begin to flash and then play the piano keys to begin recording.

RECORD   PLAY/STOP   USB   DELETE
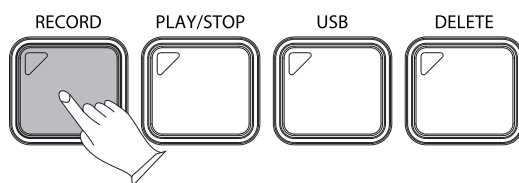
3.Stop Recording

Press RECORD button again to stop recording and the indicator will turn off. The recording stops and your performance is written to the song. The songs name of your performance will be"XXX:WAV-XXXX.wav"(XXXX) indicates this file's sequence number on your USB thumb drive. XXX indicates the recorded song's file number. You can edit the song as desired by laptop computer or MIDI editing software.

RECORD

■ Play Button

You can use the ⊙⊙ buttons to select your desired song on the USB Thumb Drive.
Press the PLAY/STOP button to play the song from the USB thumb drive.

RECORD   PLAY/STOP   USB   DELETE
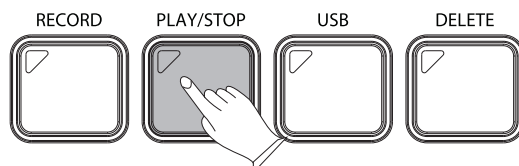
Press the PLAY/STOP button again to stop playing the recording and its indicator will turn off.

■ Delete a Song

Insert the USB Thumb Drive into the USB port on the control panel. Use the ⊙⊙ buttons to select the file you want to delete, then press the DELETE button. The LCD will show:
DELETE RECORD? Press "+/YES" to conform.

+ / YES

USB TO DEVICE

5V ⎓ Max. 500mA

Internal Memory   USB Memory

Track1 Rec ●   001:REG-001.REG
Track2 Rec ●

Load Mid/Reg From USB   DELETE RECORD?
                               "+/YES" to confirm
Save Internal to USB

Save Reg to USB

SAVE   EXIT
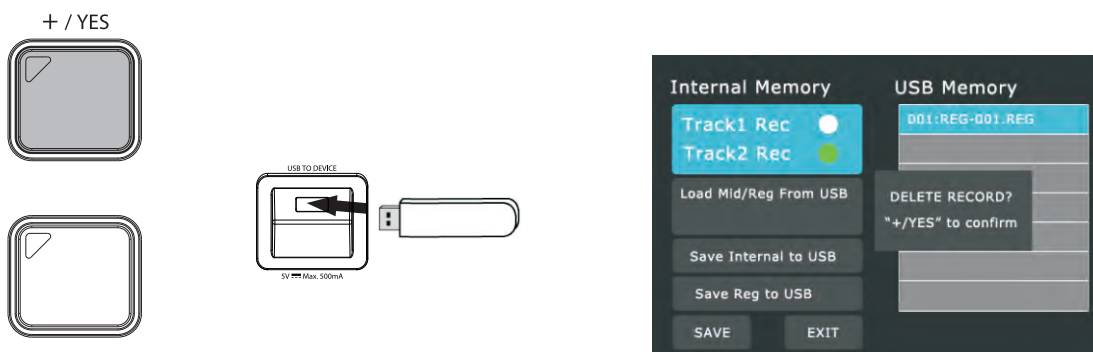
Press the +/YES button to confirm delete the file.
Press the -/NO button to cancel.

■ Local Recording

Track1 Recording

Hold down the RECORD button, and use the ⊙ ⊙ buttons to select the [TRACK1] button. The RECORD LED indicator will flash to indicate you are ready to record. You can start recording by simply by playing the piano keys.

ENTER

RECORD   PLAY/STOP   USB   DELETE
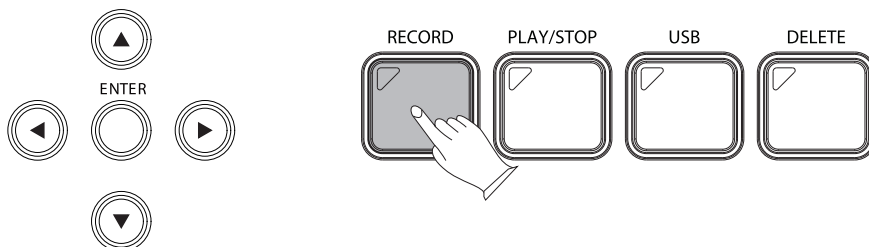
Press the RECORD button again to stop recording and the data will save to the piano's internal memory track1.

> *NOTE:*
> *If TRACK 2 already has data recorded to it then the LED will be lit and it will begin to play when you start recording.*

Track2 Recording

Press the RECORD button and use the ▲ ▼ buttons to select the [TRACK2] button. The RECORD LED will flash to indicate it's ready to record. You can start recording simply by playing the keyboard.

Press the RECORD button again to stop recording and the data will be saved to the piano's internal memory track 2.

> *NOTE:*
> *If the TRACK 1 has data already recorded in it, it's LED will be on and it will play when the TRACK2 is started.*

■ Play the Recording

Press the [PLAY/STOP] to play the recording.
Press the [PLAY/STOP] button again to stop playing the song.

■ Delete local recording

If the TRACK 1 has data recorded, press the DELETE button and the LCD will display: DELETE RECORD?"+/YES" to conform. Then press the "+/YES" to delete the file. Press "-/NO" button to cancel.

If the TRACK 2 has data recorded to it, then press the DELETE button and the LCD will display: DELETE RECORD? Press the "+/YES" to confirm. Then press the +/YES to delete the file. Press "-/NO" button to cancel.

PLAY ALONG SONGS

There are 55 Play Along Songs of varying difficulty, built in to the piano for you to practice too. These songs have separate left hand or accompaniment and right hand or melody parts that can be turned on and off independently. Therefore, you can learn right, left and/or both hands portion of each song as you progress in skill.
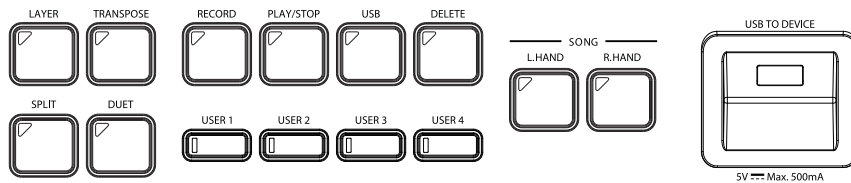
SELECT AND LISTEN TO A SONG

1. Press the LEFT and the RIGHT buttons simultaneously to enter the play along song mode. The indicators will flash blue and the first play along song will appear on the display. Both SONG LEFT and SONG RIGHT LED's will be on.

2. You can use the ▲ ▼ buttons to select your desired song. The song number will appear on the display.

3. You can listen to both hand portions of the selected song. The song will start after two tips beat count in.
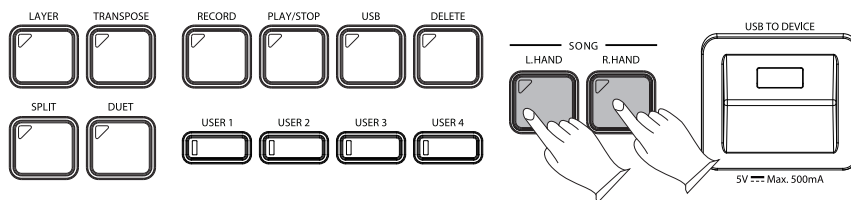
4. Press the SONG LEFT and the SONG RIGHT buttons simultaneously to exit the play along song mode, The LED indicator lights will turn off.

PLAY ALONG SONGS

PRACTICING THE RIGHT HAND OF THE SONG

1). With the play along song mode engaged, press the RIGHT button to mute the right hand part. The right indicator will be off.

2). You will hear the metronome "count in" the song. You will then hear the left-hand part of the selected play along song play.

3). Play the right-hand part of your selected song while the left-hand part plays.

4). The playback will stop automatically at the end of the song.

PRACTICING THE LEFT HAND OF THE SONG

1). With the play along song mode engaged, press the Left button to mute the left hand part. The LEFT indicator will not turn on.

2). You will hear the metronome "count in" the song. Then you will then hear the right-hand part play.

3). Play the left-hand part of your selected song while the right-hand part plays.

4). The playback will stop automatically at the end of the song.

AUTOMATIC SCORING

You will have a grade displayed in the right bottom right of the LCD screen when the song is finished.
According to the performance, the estimate will be switched in four grades: try again/good/very good/excellent.

USB

The USB feature allows you to record your songs or registrations on a USB Thumb drive. Also you can listen to the MIDI song files that have been prerecorded onto a USB thumb drive.

INSERT THE USB

Insert the USB thumb drive in the USB TO DEVICE slot with the top (fat) side up and leading into the slot. Gently push the USB drive into the slot, it will be a snug fit and the protruding end will be angled slightly upwards.
Do not force the USB thumb drive.
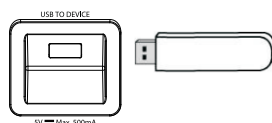
REMOVE THE USB

To remove the USB thumb drive grasp the protruding end and pull it straight out until it slides out from the slot. Again it is a snug fit, do not force.

Do not remove the USB thumb drive or turn off the power when the USB TO DEVICE is engaged to avoid memory loss or damage to the USB flash drive or the USB TO DEVICE reader.

PLAY

To play the prerecorded SMF (Standard MIDI File) format songs that are on the USB flash drive.

1.Insert the USB thumb drive into USB TO DEVICE slot. Press the USB button, the LED indicator light on the USB button will turn on and the LCD screen will show the first song available for playback.
2.Use the ⊙ ⊙ buttons to select a different song.
3.Press the PLAY/STOP button, the LED indicator will flash and the music sequencer will automatically load and play the selected MIDI File Song that is on the thumb drive. The music sequencer will continue to load and play all the songs in sequence. The keyboard is available for playing while the recording is playing back. If the metronome is engaged it will tick to the tempo of the recording.

4. Press the PLAY/STOP button at anytime to stop the song or to select an other song.
5. Press the USB button to disengage the USB drive.

MIDI

MIDI stands for Musical Instrument Digital Interface. This is a worldwide standard communicationinterfacethatenableselectronicmusicalinstrumentsand USB Devices of all brands to communicate with each other so that data can pass between them.

This exchange of information makes it possible to create a system of MIDI instruments and devices that offers far greater versatility and control than is available with isolated instruments, whether you interface with Laptops, Tablets or Smartphones. If you are an advanced MIDI user, this section will help you to access the MIDI controller capabilities of the piano. If you already know that you need this specialized functionality, then this section is for you. However, this information is not necessary in order to enjoy playing the piano.
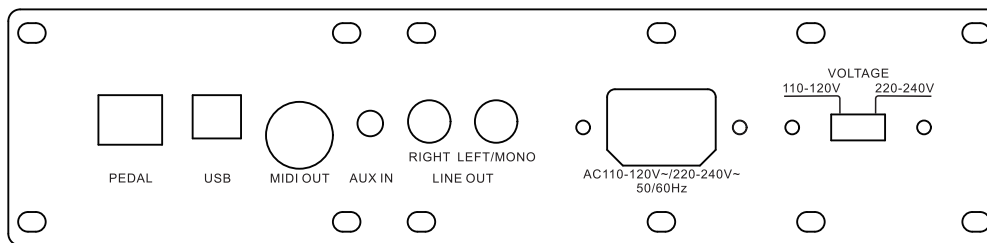
MIDI CONNECTION

The MIDI terminal is located on the left side of the piano, under the key-bed. For more information regarding transmitted MIDI data please see the MIDI implementation chart at the back of this manual.

The MIDI Local, USB MIDI In and the MIDI Out are engaged using the Function menu. Please see the Function section of this manual for more information.

MIDI OUT

This terminal transmits data from this instrument to other MIDI devices. The transmitted data includes the note and touch velocity produced while playing on the keyboard, as well as voice changes, wheel operation, and recorded playback for the melody tracks. Demo songs and auto accompaniment are not transmitted.

LOCAL ON/OFF

This function allows you to turn on or off the speaker system of the piano. Local is the MIDI Channel message that controls whether your keyboard is going to trigger its internal sounds (Local ON) or not (Local OFF). Normally, playing on the keyboard generates sound while it sends MIDI messages via the MIDI connector or USB. This mode is called Local On. You can mute the piano sounds while still sending out the MIDI messages. This mode is called Local Off. Turning the Local On/Off function to off will disconnect the keyboard from the internal sound engine of the piano.

You may also find other occasions such as when you are using MIDI sequencing soft ware on your computer, where it is useful to turn the Local Off. Local On/Off is found in the Function menu. Please see the Function section of this manual for more information.

MIDI

MIDI IMPLEMENTATION CHART

Function	Transmitted	Recognized	Remark
Basic Channel	1 CH	1-16 CH	
Channel changed	1-16 CH	1-16 CH	
Default Mode	3	3	
Note Number 9-120 0-127			
Velocity: Note On	•		
Velocity: Note Off	X		
Pitch Bender	•		
Control Change: 0	•	X	Variation page
1	X	X	Modulation
5	X	X	Portamento value
7, 10	•		Volume, Pan
11	X		Expression
64, 66, 67	•		Sustain. Sostenuto, Soft Pedal
65	X	X	Portamento yes/no
80, 81	•		Reverb, Chorus program
91	•		Reverb, Chorus send level
98, 99	X	X	NRPNL, NRPHH
100 ,101	X	X	RPNL, RPNH
121	•		Reset all controllers
123	•		All notes off
Program Change	0-127	0-127	
System Exclusive	X	X	
Sys. Common: Song	X	X	
Select	X	X	
Sys. Common: Song Position	X	X	
System: Clock	X	X	
Real Time: Commands	X	X	

Mode 1: OMNI ON, POLY
Mode 2: OMNI ON, MONO
Mode 3: OMNI OFF, POLY
Mode 4: OMNI OFF, MONO

MIDI CHANNELS

The MIDI system in this unit has 16 channels numbered from 1-16. Each of the channels is responsible for a voice. When the instrument receives from an external device, the active channel is determined by the control message. The transmission channels on this keyboard are fixed as follows:

    Channel 1:   Master voice
    Channel 2:   Layer voice
    Channel 3:   Split voice
    Channel 4:   Bass in manual bass chord mode
    Channel 7:   Chord in manual bass chord mode
    Channel 10: Percussion sound

Please see the MIDI Implementation Chart for more details

AUTO BASS CHORD FINGERING GUIDE

FINGERING GUIDE		
CHORD	**DISPLAY**	**INTERVALS**
Major	M	1-3-5
Major sixth	M6	1-3-5-6
Major seventh	M7	1-3-(5)-7
Major seventh sharp eleventh	M7 #11	1-(2)-3-#4-(5)-7
Major add ninth	M 9	1-2-3-5
Major seventh ninth	M7 9	1-2-3-(5)-7
Major sixth add ninth	M6 9	1-2-3-(5)-6
Augmented	Aug	1 -3-#5
Minor	m	1-b3-5
Minor sixth	m6	1 -b3-5-6
Minor seventh	m7	1-b3-(5)-b7
Minor seventh flatten fifth	m7b5	1-b3-b5-b7
Minor add ninth	m 9	1-2-b3-5
Minor seventh add ninth	m7 9	1 -2-b3-(5)-b7
Minor seventh add eleventh	m7 11	1-(2)-b3-4-5-(b7)
Minor major seventh	mM7	1-b3-(5)-7
Minor major seventh add ninth	mM7 9	1 -2-b3-(5)-7
Diminished	Dim	1-b3-b5
Diminished seventh	Dim7	1-b3-b5-6
Seventh	7	1 -3-(5)-b7
Seventh suspend fourth	7sus4	1-4-5-b7
Seventh add ninth	7 9	1-2-3-(5)-b7
Seventh sharp eleventh	7 #11	1-(2)-3#4-(5)-b7
Seventh thirteenth	7 13	1-3-(5)-6-b7
Seventh flatted fifth	7 b5	1-3-b5-b7
Seventh flatted ninth	7 b9	1-b2-3-(5)-b7
Seventh flatted thirteenth	7 b13	1-3-5-b6-b7
Seventh sharp ninth	7 #9	1-#2-3-(5)-b7
Major seventh augmented	M7aug	1 -3-#5-7
Seventh augmented	7aug	1-3-#5-b7
Suspended fourth	Sus4	1-4-5
Seventh suspend fourth	7sus4	1-4-5b7

The Fingering Guide table above lists all of the 32 playable chords of the Fingered Mode.
Please note, the intervals listed in parentheses an be omitted. The listed chord fingerings
are all in root note position, other inversions can be used with the exception of:
 • The M6 chords are only recognized in root note position. All other inversions are
   interpreted as m7.
 • The 69 chords are only recognized in root note position. All other inversions are
   interpreted as m11
 • The m6 chords are only recognized in root note position. All other inversions are
   interpreted as m7b5.
 • With aug and dim7 chords, the lowest note played is assumed to be the root.
 • These inversions do not apply to the Piano mode.

VOICE LIST

PIANO	
1	Acoustic Grand 1
2	Acoustic Grand 2
3	Acoustic Grand 3
4	Acoustic Grand 4
5	Bright Acoustic
6	Electric Grand
7	Honky-Tonk Piano
8	Electric Piano 1
9	Electric Piano 2
10	Electric Piano 3
11	Electric Piano 4
12	Harpsichord
13	Clavichord
CHROMATIC	
14	Celesta
15	Glockenspiel
16	Music box
17	Vibraphone
18	Marimba
19	Xylophone
20	Tubular Bells
21	Dulcimer
ORGAN	
22	Drawbar Organ
23	Percussive Organ
24	Rock Organ
25	Church Organ
26	Reed Organ
27	Accordion
28	Harmonica
29	Tango Accordion
GUITAR	
30	Nylon Guitar
31	Steel Guitar
32	Jazz Guitar
33	Clean Guitar
34	Mute Guitar
35	Overdriven Guitar
36	Distortion Guitar
37	Guitar Harmonics

BASS	
38	Upright Bass
39	Electric (finger)
40	Electric (pick)
41	Fretless Bass
42	Slap Bass 1
43	Slap Bass 2
44	Synth Bass 1
45	Synth Bass 2
STRINGS	
46	Violin
47	Viola
48	Cello
49	Contrabass
50	Tremolo Strings
51	Pizzicato Strings
52	Orchestral Harp
53	Timpani
ENSEMBLE	
54	Strings
55	String Ensemble
56	Synth Strings 1
57	Synth Strings 2
58	Choir Aahs
59	Voice Oohs
60	Synth Voice
61	Orchestra Hit
BRASS	
62	Trumpet
63	Trombone
64	Tuba
65	Muted Trumpet
66	French Horn
67	Brass Section
68	Synth Brass 1
69	Synth Brass 2
REED	
70	Soprano Sax
71	Alto Sax
72	Tenor Sax
73	Baritone Sax

74	Oboe
75	English Horn
76	Bassoon
77	Clarinet
PIPE	
78	Piccolo
79	Flute
80	Recorder
81	Pan Flute
82	Bottle Blow
83	Shakuhachi
84	Whistle
85	Ocarina
SYNTH LEAD	
86	Lead 1 (square)
87	Lead 2 (sawtooth)
88	Lead 3 (calliope)
89	Lead 4 (chiff)
90	Lead 5 (charang)
91	Lead 6 (voice)
92	Lead 7 (fifths)
93	Lead 8 (bass + lead)
SYNTH PAD	
94	Pad 1 (new age)
95	Pad 2 (warm)
96	Pad 3 (polysynth)
97	Pad 4 (choir)
98	Pad 5 (bowed)
99	Pad 6 (metallic)
100	Pad 7 (halo)
101	Pad 8 (sweep)
SYNTH EFFECT	
102	FX 1 (rain)
103	FX 2 (soundtrack)
104	FX 3 (crystal)
105	FX 4 (atmosphere)
106	FX 5 (brightness)
107	FX 6 (goblins)
108	FX 7 (echoes)
109	Sci-Fi
ETHNIC	

110	Sitar
111	Banjo
112	Shamisen
113	Koto
114	Kalimba
115	Bagpipe
116	Fiddle
117	Shanai
PERCUSSIVE	
118	Tinkle Bell
119	Agogo
120	Steel Drums
121	Woodblock
122	Taiko Drum
123	Melodic Tom
124	Synth Drum
125	Reverse Cymbal
SOUND FX	
126	Guitar Fret Noise
127	Breath Noise
128	Seashore
129	Bird Tweet
130	Telephone Ring
131	Helicopter
132	Applause
133	Gunshot
DRUM KITS	
134	Standard
135	Room
136	Power
137	Eletroni
138	Synth
139	Jazz
140	Brush
141	Classic
142	Effect

R & B	
1	R&B
2	R&B SHUFFLE
3	ROCKIN R&B
4	DETROIT SOUND
5	GOSPEL
6	GOSPEL SHUFFLE
7	ROCKIN GOSPEL
8	BLUES ROCK
9	SWING FUNK
10	REGGAE 1
11	BOOGIE WOOGIE
12	50'S ROCK N ROLL
13	SLOW BLUES
14	SHUFFLE BLUES
SWING	
15	LOUNGE
16	SWINGIN' ORGAN
17	SWINGTRIO
18	SLOW SWING
19	BOSA NOVA 1
20	BOSA NOVA 2
21	BIG BAND
22	JIVE
23	JAZZ
24	SWING 1
25	DIXIE
BALLAD	
26	BALLAD
27	50'S BALLAD
28	POWER BALLAD
29	JAZZ BALLAD
30	PIANO BALLAD
31	LOVE SONG
32	POP BALLAD
33	BIG BAND BALLAD

34	JAZZ BALLAD 2
35	16 BEAT BALLAD
36	COUNTRY BALLAD
37	SLOW COUNTRY
38	SLOW 16
39	GOSPELL BALLAD
40	MODERN BALLAD
POP	
41	8 BEAT POP 1
42	POP 16
43	POPVILLE
44	POP SHUFFLE
45	GUITAR POP
46	SYNCHOPATE POP
47	COUNTRY POP
48	COUNTRY SWING
49	COUNTRY 2 STEP
50	COUNTRY WALTZ
51	COUNTRY
52	COUNTRYTRAIN
53	EASY POP
54	FUNKY POP
55	FOLK 1
LATIN	
56	LATIN POP 1
57	LATIN POP 2
58	TANGO
59	RUMBA
60	BEGUINE
61	LATIN 1
62	LATIN 2
63	BOLERO
64	MERENGUE
65	SALSA
66	SAMBA
DANCE	

67	DANCE
68	DANCE POP
69	HOUSE
70	CLUB DANCE
71	CLUB LATIN
72	TECHNO
73	HIP HOP
74	CHILL OUT
75	70'S DISCO
76	LATIN DISCO
77	DISCO PARTY
78	DISCO FEVER
79	NY DISCO
WORLD	
80	SWING REGGAE
81	POLKA 1
82	POLKA 2
83	MEX POLKA
84	TAMTELA
85	MARIACHI
86	NEWAGE
87	PASODOBLE
TRADITIONAL	
88	HAWAIIAN 1
89	HAWAIIAN 2
90	BLUEGRASS
91	BRODWAY 1
92	RAGTIME
93	WALTZ 1
94	CHILDREN SONG 1
95	CHILDREN SONG 2
96	MARCH 1
97	MARCH 2
98	MARCH 3
99	CLASSIC 2
100	ENGLISH WALTZ

TROUBLESHOOTING

When the instrument is turned on or off, a popping sound is heard.	This is normal and indicates that the instrument is receiving electrical power.
When using a mobile phone, noise is produced	Using a mobile phone is close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it further away from the instrument.
The auto accompaniment does not sound properly.	Make sure that the accompaniment volume is set to a appropriate level. Check that the split point is set to an appropriate key for the chords you are playing. Make sure that the CHORD button for is engaged.
No sound is produced by the keyboard, but the lights and screen work.	Check the master volume control. Check that nothing is plugged into the headphone socket or that LOCAL has been turned off in the Function menu.
The sound of the voice changes from note to note.	This is normal. The digital toe generation uses multiple recordings, samples, of an instrument across the range of the keyboard. The actual sound of the voice may be slightly different from note to note.
To completely restore all setting as set by the factory.	Perform a factory reset from the Function menu, all of the user settings will be erased and the default factory settings will be applied to the instrument.
Power suddenly and unexpectedly turns off after a period of inactivity.	This is normal outcome of the Auto Power Off feature. You can disable the Auto Power Off, in the Function menu.

SPECIFICATIONS

Keyboards:	88 weighted, graded, velocity sensitivekeys
Display:	Full Color Graphic LCD display
Polyphony:	256 notes max
Voices:	142
Voice Control:	Transpose, Tune, Pan, Octave, Volume for Main voice、Split voice and Layer voice
Pedal:	Soft, Sostenuto, Sustain
Effect:	Reverb Chorus FX 4-Band EQ
Styles:	100
Style Features:	Synchro Start, Intro, Ending, Fill In1,Fill in 2, Variation, Start stop, Accompaniment. Volume, Metronome
Song recording:	Real Time Recording and Playback with U disk. Local two tracks recording. Save local recording to U disk or Load U disk midi song to Local Recording track
Registration Memory:	4 x 4 per reg file. Save/Load reg file to/from U disk.
Keyboard Control:	Split, Layer, Duet Piano 3 touch sensitivity and fixed touch select
Demo and Coach :	21 demos + 55 Play Along Songs Left/Right part On/Off Score for Learning Level
Others:	Bluetooth USB drive for recording, play demo, save/loadreg file. USB MIDI USB AUDIO to Play/Record Audio with Computer
Interface:	PHONES 1, PHONES 2, AC110-120V-/220-240V-50/60Hz, Line Out(RIGHT/LEFT/MONO), Aux IN, MIDI OUT, USB, PEDAL

FCC STATEMENT

1.This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference.

(2)This device must accept any interference received, including interference that may cause undesired operation.

2.Changesormodificationsnotexpresslyapprovedbythepartyresponsiblefor compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part15of the FCC Rules. These limits are designed to provide reason able 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 byone or more of the following measures:

Reorient or relocate the receiving antenna.

In crease 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/TVtechnicianforhelp.

artesia PRO