

THE FCC REGULATION WARNING (for the USA)

NOTE: 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.

If items such as cables are included with this equipment, you must use those included items. 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.

Keep this manual

After reading this manual, please keep it for later reference.

PRECAUTIONS

Location

Using the unit in the following locations can result in a malfunction.

- In direct sunlight
- Locations of extreme temperature or humidity
- Excessively dusty or dirty locations
- Locations of excessive vibration
- Close to magnetic fields

Power Supply

Please connect the designated AC adapter to an AC outlet of the correct voltage. Do not connect it to an AC outlet of voltage other than that for which your unit is intended.

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.

Care

If the exterior becomes dirty, wipe it with a clean, dry cloth. Do not use liquid cleaners such as benzene or thinner, or cleaning compounds or flammable polishes.

Handling

To avoid breakage, do not apply excessive force to the switches or controls.

Keeping foreign matter out of your equipment

Never set any container with liquid in it near this equipment. If liquid gets into the equipment, it could cause a breakdown, fire, or electrical shock. Be careful not to let metal objects get into the equipment.

Turning the Power On or Off

1. Make sure the instrument is properly connected to the power supply.
2. Press the **[POWER]** switch. The panel LEDs light up. The power is turned on.
3. Rotate the **[VOLUME]** knob to set the volume to a desired level.
4. When you are ready to turn off the power, press the **[POWER]** switch for a second. The panel LEDs will turn off.

Note:

In order to save energy, the instrument will automatically shut down after 30 minutes of not being used. You can turn off the power protection by using a keyboard command, holding SHIFT and press C1, C#1 at the same time. Please unplug the instrument when it is not in use or during a thunderstorm.

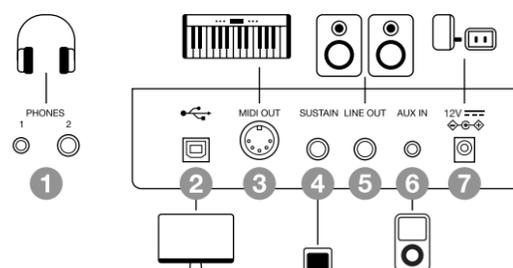
Connecting the APP "Piano Toolbox" via Bluetooth MIDI

1. Turn on the instrument. Make sure the instrument and the smart device are in range of each other.
2. On the smart device, open "Settings", then turn on Bluetooth.
3. Open Bluetooth MIDI function within the app and select the device name "Piano BT MIDI xxxx" to establish Bluetooth connection. When the connection is established, the LED light of power button will turn to blue.

Now, you can control the instrument from the app remotely.

Note:

You can use a keyboard command to disconnect Bluetooth MIDI, holding SHIFT and press A#0 and B0 at the same time. Bluetooth MIDI only applies to the Bluetooth-equipped instruments. But you can also connecting the app through camera kit on iOS and through USB on Android devices.



1. PHONE Jacks

For connecting to headphones. When headphones are connected, the internal speakers will be muted. The sound can only be heard from the headphones.

2. USB Jack

For connecting to a computer or a mobile device via cable. An additional adapter may be needed to connect to mobile devices.

3. MIDI OUT Jack

For connecting to an external MIDI device.

4. SUSTAIN Jack

For connecting to a sustain pedal.

5. LINE OUT Jack

For connecting to the INPUT jack of external audio equipment such as a stereo sound system.

6. AUX IN Jack

For connecting to the OUTPUT jack of external audio source such as an MP3 player.

7. DC IN Jack

For connecting the specified power adapter.

8. Unit Pedal Jack (Optional)

For connecting an optional unit pedal (Soft Pedal, Sostenuto Pedal and Sustain Pedal) to the pedal jack located on the bottom of the instrument.



Specifications

Keyboard

Hammer-Action 88-Keys

Touch Response

5 types, Off

Polyphony

192 notes (max)

Voice

25

Layer

Left, Right 1, Right 2

Split

Yes

Twinova

Yes

Metronome / Rhythm

50

Metronome / Rhythm Control

Start / Stop

Metronome / Rhythm volume

Tempo

20 - 280

Effect

D.A.S.
Reverb (2 types)
Chorus (1 type)

Song

100

Sequencer

1 User song
(1 melody track)

Connectivity

2 Headphones,
Sustain Pedal, Unit Pedal,
MIDI Out, USB MIDI,
Aux In, Line Out

Power

DC 12V / 2A

Amplifier

20W x 2

Speaker

(16 x 7) cm Oval x 2,
3 cm x 2

Dimension (LWH)

136.5. x 36.6 x 13.4 cm

Weight

12.5 kg

Voice List

- 1 German Grand
- 2 Bright German Grand
- 3 Japanese Grand
- 4 Warm Grand
- 5 Electric Grand
- 6 Vintage EP
- 7 Warm EP
- 8 Reed EP
- 9 Dark EP
- 10 FM EP
- 11 Clavinet
- 12 Harpsichord
- 13 Tonewheel Organ
- 14 Classic Organ
- 15 Church Organ
- 16 Synth Pad
- 17 Strings
- 18 Choir
- 19 Square Lead
- 20 Saw Lead
- 21 Bell
- 22 Celesta
- 23 Nylon Guitar
- 24 Electric Bass
- 25 Acoustic Bass

Metronome / Rhythm List

- 1 Simple Count
- 2 4/4 Beat
- 3 2/4 Beat
- 4 3/4 Beat
- 5 3/8 Beat
- 6 6/8 Beat
- 7 5/4 Beat
- 8 5/8 Beat
- 9 7/8 Beat
- 10 10/8 Beat
- 11 8Beat 1
- 12 8Beat 2
- 13 16Beat 1
- 14 16Beat 2
- 15 Rock
- 16 Ska
- 17 Slow Rock
- 18 70's Rock
- 19 Texas Rock
- 20 Sweet Ballad

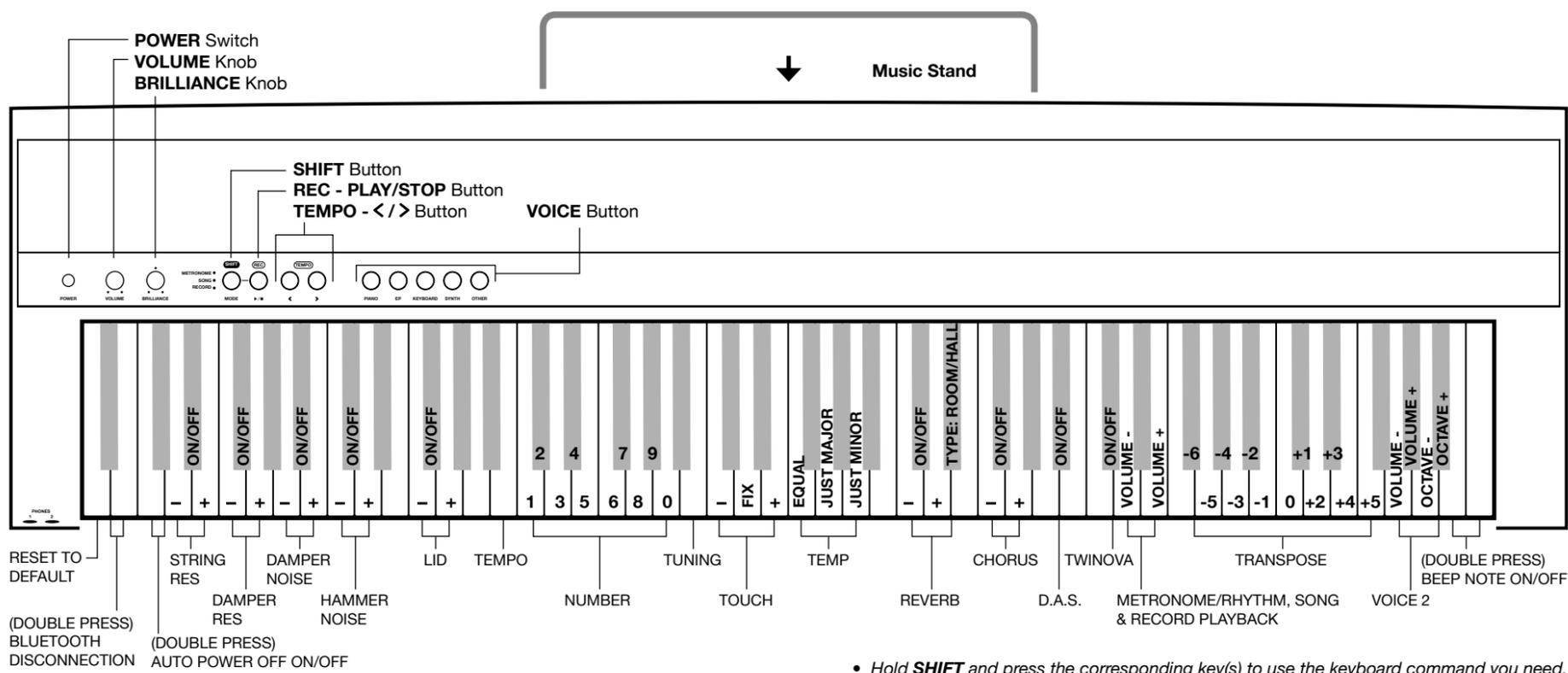
- 21 6/8 Soul
- 22 Fusion Shuffle
- 23 Adult Ballad
- 24 Organic Ballad
- 25 Tango
- 26 Slow Waltz
- 27 Cha Cha
- 28 Rumba
- 29 Samba
- 30 Techno 1
- 31 Hip Hop
- 32 Techno 2
- 33 Classic Disco
- 34 Funk 1
- 35 Funk 2
- 36 Swing 1
- 37 Swing 2
- 38 Funky Jazz
- 39 Bernard Shuffle
- 40 Bluegrass
- 41 Country Step
- 42 Country Folk
- 43 Bossa Nova
- 44 Latin
- 45 Mambo
- 46 Waltz
- 47 Vienna Waltz
- 48 Polka
- 49 March
- 50 6/8 March

Song List

- 1 Prelude In C-Sharp Major
- 2 Lyrical Rondo
- 3 Rialto Ripples (Rag)
- 4 Neapolitan Song
- 5 Waltzes
- 6 Turkish March
- 7 Schos Doll's Dance No. 2
- 8 Minuet In D Major
- 9 Inquietude
- 10 Italian Polka

- 11 The Rag-Time Dance
- 12 Piano Sonata In C Major, K.330. III
- 13 Piano Sonata In A Major, K.331. I
- 14 Waltz For Piano In G-Sharp Minor
- 15 L' Arabesque
- 16 Austria Variation
- 17 Schos Doll's Dance No. 7
- 18 To A Wild Rose
- 19 Innocence
- 20 Tchaikovsky Waltz
- 21 Barcarolle
- 22 Robot Doll
- 23 Consolation
- 24 Invention A 2 Voix
- 25 Minuet In G Major (BWV Anh. 114)
- 26 Barcarolle
- 27 Norwegian Dance No.2
- 28 Moseta Dance
- 29 The Small Gathering
- 30 The Return
- 31 The Wagtail
- 32 Bulie Dance
- 33 Tender Blossom
- 34 Grace
- 35 Cherish The Memories
- 36 Chopsticks
- 37 Progress
- 38 Eclogue
- 39 The Limpid Stream
- 40 Brave Cavalier
- 41 The Chatterbox
- 42 Tarantella
- 43 Frankness
- 44 Tender Grieving
- 45 The Farewell
- 46 The Chase
- 47 Sonata K.545
- 48 Maple Leaves Ragtime
- 49 The Nightingale Was Singing
- 50 Gipsy Rondo

- 51 Fountain
- 52 Fur Elise
- 53 Dove
- 54 Knight
- 55 Ave Maria
- 56 Prelude And Fugue No. 30 In D Minor
- 57 Minuets In F
- 58 Red River Valley
- 59 Troika
- 60 Oh Susanna
- 61 Wave Of Danube
- 70 Long Long Ago
- 71 Old Folks At Home
- 72 Jambalaya
- 73 Ding! Dong!
- 74 Battle Hymn
- 75 The Old Gray Mare
- 76 American Patrol
- 77 Christmas Coming
- 78 Sipping Cider
- 79 Christmas Sound
- 80 On London Bridge
- 81 House Of Rising
- 82 The Blue Bells
- 83 Beautiful Dreamer
- 84 Been A Long Time
- 85 O Sole Mio
- 86 Der Deitcher's Dog
- 87 Joy To The World
- 88 Silent Night
- 89 Ave Maria
- 90 Five Hundred Miles
- 91 Happy New Year
- 92 Like Christmas
- 93 Jeanie With The Light Brown Hair
- 94 Music Box Dancer
- 95 Tell It On Mountain
- 96 Entertainer
- 97 Annie Laurie
- 98 Rumba Romance
- 99 The Last Rose Of Summer
- 100 The Old King Cole



• Hold **SHIFT** and press the corresponding key(s) to use the keyboard command you need.

Playing Voices

1. Press one of the **[VOICE]** buttons. The corresponding voice LED lights up.
2. Press the same **[VOICE]** button repeatedly to circulate through the selected voice group and select a voice. (Refer to **Voice List** for details.)
3. Play the keyboard to use the selected voice for performance.

Dual Mode / Split Mode

Turn on the dual function.

Hold a **[VOICE]** button and then press another to turn on the dual function. The corresponding voice LEDs light up.

The first voice you press will be set as the upper voice "VOICE R1", and the second voice you press will be set as the dual voice "VOICE R2".

Turn on the split function.

Press two **[VOICE]** buttons respectively and hold them, then press a key on the keyboard to assign as the split point. The corresponding voice LEDs light up after releasing the buttons.

The first voice you press will be set as the upper voice "VOICE R1", and the second voice you press will be set as the lower voice "VOICE L".

Select voices.

Press a **[VOICE]** button repeatedly to circulate through this voice group and select a voice.

Turn off the dual/split function.

Long press either the upper or the second **[VOICE]** button to disengage the targeted voice. The corresponding voice LED is unlit. The dual/split function is turned off. Alternatively, press a **[VOICE]** button other than the upper or second **[VOICE]** buttons. The dual/split function will be turned off. The pressed voice will be selected and the corresponding LED lights up.

Notes:

1. Please quickly press the second **[VOICE]** button after you press the first **[VOICE]** button. Otherwise, your operation may be recognized as long-press and the dual/split function will be turned off.
2. If you press a few keys when assigning the split point, it will set the last key you press as the split point.
3. The dual and the lower functions cannot be used at the same time.

Twinova

Twinova function splits the keyboard into two areas with the same voice and octave range, for the convenience of playing together with a friend or instructor.

Turn Twinova on or off.

Press and hold the **[SHIFT]** button, then press the key **[D#7]** to turn Twinova on or off. The split point is E4/F4.

Select a voice for Twinova.

The upper voice selected before entering Twinova will become the default voice for both areas. But you can press the voice buttons to select a desired voice.

Note:

The Twinova mode and dual / lower functions cannot be used at the same time. During song playback, Twinova mode is not selectable.

Piano Parameters

1. Press and hold the **[SHIFT]** button, then use the keyboard to turn the piano parameters on or off, or set the corresponding effect depth.

Piano Parameters (String Resonance, Damper Resonance, Damper Noise, Hammer Noise, Lid) apply to Piano Voice no.1 to no.4 only. These parameters are not available when using other voices.

2. When a piano parameter is turned on, it will revert to the previously set level.

3. When a piano parameter is turned off, pressing the corresponding **[-]** key will not respond. But the effect depth will increase from 1 (except the Lid depth which will change from 2/4 Open to Full Open) when you press the corresponding **[+]** key.

Playing Metronome / Rhythms

Press the **[MODE]** button to select Metronome mode. The corresponding mode LED lights up. The instrument will enter Metronome mode by default every time the power is turned on.

1. Start playing Metronome/Rhythms.

In Metronome mode, press the **[START/STOP]** button to start playing metronome/rhythms. The **[START/STOP]** button LED will blink according to the metronome/rhythm tempo.

2. Select a metronome/rhythm pattern.

Press the **[<] [>]** button to select a desired metronome/rhythm pattern.

Press and hold the **[<]** or **[>]** button to quickly jump to the nearest eleventh. For example, if the currently pattern is No.5, long press the **[>]** button and it will quickly select No.11.

Alternatively, press and hold the **[SHIFT]** button, then use the keys **[C3 - A3]** to enter a metronome/rhythm pattern number. When using the keyboard to enter a number, you will need to press two keys total. For example, press A3, C3 in sequence to select Metronome/Rhythm no.1. (Refer to **Metronome/Rhythm List** for details)

3. Stop playing Metronome/Rhythm.

When metronome/rhythm is playing, press the **[START/STOP]** button to stop the playback.

Alternatively, press the **[MODE]** button to move to Song mode. Metronome/rhythm playback will be stopped.

Playing Songs

Press the **[MODE]** button to select Song mode. The corresponding mode LED lights up.

1. Start playing a song.

In Song mode, press the **[START/STOP]** button to start playing a song. The **[START/STOP]** button LED will blink according to the song tempo.

2. Select a Song.

Press the **[<] [>]** button to select a desired song.

Press and hold the **[<]** or **[>]** button to quickly jump to the nearest eleventh. For example, if the currently song is No.1, long press the **[>]** button and it will quickly select No.11.

Alternatively, press and hold the **[SHIFT]** button, then use the keys **[C3 - A3]** to enter a song number. When using the keyboard to enter a number, you always need to press three keys total. For example, press A3, A3, C3 (001) in sequence to select Song no.1. (Refer to **Song List** for details)

3. Stop playing the song.

When a song is playing, press the **[START/STOP]** button to stop the playback. Alternatively, press the **[MODE]** button to enter other modes. The song playback will be stopped.

Adjusting the Tempo

1. Press the **[MODE]** button to select metronome/rhythm mode or Song mode.

2. Press and hold the **[SHIFT]** button, then press the **[<] [>]** buttons to change the tempo. Pressing both **[<]** and **[>]** buttons at the same time will reset to the default tempo of the current metronome/rhythm or song.

Hold **[SHIFT]** and long press the **[<]** or **[>]** button to quickly adjust the value to the nearest tens. For example, if the currently tempo is 126, long press the **[>]** button and it will jump to 130.

Alternatively, hold **[SHIFT]**, and press the **[TEMPO]** key, then use the keys **[C3 - A3]** to enter a value. Please press three number keys total to enter a tempo value.

Note:

In Metronome mode, when playback stops, changing the metronome/rhythm pattern will reset the tempo. However, changing the metronome/rhythm pattern during playback will not result in tempo change.

Recording

Press the **[MODE]** button to select Record mode. The corresponding mode LED lights up.

1. Prepare and start recording.

In Record mode, hold the **[SHIFT]** button, then press the **[REC]** button to put the recorder on standby. The mode button LED will blink.

Play the keyboard to start recording. During recording, the **[REC]** button LED will blink.

2. Stop recording.

Press the **[REC]** button to stop recording. The **[REC]** button LED stops blinking. The recorded data will be saved automatically.

Note:

The saved recorded data will not be lost after power off.

3. Play back recording.

In Record mode, press the **[START/STOP]** button to play back the recorded song. During playback, the **[START/STOP]** button LED will blink. But if there is no recorded data, pressing the **[START/STOP]** button will not respond.

Troubleshooting

The speakers produce a pop sound whenever the power is turned ON/OFF.

- This is normal and is no cause for alarm.

Speakers do not produce sound when the keyboard is played.

- Check if the master volume is set too low.
- Check if headphones are plugged into the PHONES Jacks.

The speakers produce noise when a mobile phone is put near them.

- Using a mobile phone in close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it farther away from the instrument.

Certain notes seem to be in the wrong pitch

- Make sure tuning is reset to default setting. Restart the instrument to reset to the default settings.

When connecting to computer, the instrument cannot be recognized.

- Check if the USB cable is firmly connected. Try connecting another USB port on the computer. This instrument is plug and play which should work without installing a driver.

It shuts down after a period of time.

- The auto power off function will turn off the instrument after a preset period of time when the instrument is not in use.