NPK-10

NUX

Portable Digital Piano
Owner's Manual



Made in China

Cherub Technology Co.,Ltd.

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SAFETY GUIDELINE

Before playing your digital piano, please read the following contents. Please store this instruction book in a safe place, for future reference.

⚠WARNING

To avoid serious injury or death because of electric shock, short circuit, fire or other dangers, please obey the following warnings. These warnings include but are not limited to the following situations:

Power/Electric Cable

* The rated voltage of this device is fixed. The required voltage is printed on the nameplate of this device.
* Check the plug regularly, clean the dirt and ash piled up on the plug.
* This digital piano only matches with the provided power cable and plug.
* DO NOT put electric cables near heaters, radiators or any other heating devices. DO NOT overstress electrical cables with extreme bending or abrasion which can cause damage and expose wiring. DO NOT position cables under heavy items such as furniture etc.. DO NOT position electrical cables where they can be run over with wheels or in walkways where they can be tripped over.

DO NOT OPEN / DISMANTLE

* DO NOT attempt to open / dismantle inner components or customize the device in any way. This device is not designed for user maintenance other than cleaning of external components. If you experience any problems, please turn off and unplug the device, and then consult a qualified NUX service technician to examine and repair the device.

Warning about humidity

* DO NOT place this device where it will be expose to water, (rain, mist, water sprinklers, water entertainment equipment etc.) and DO NOT place liquid containers of any kind on or where they can be spilled on the device. If any liquids splash or are spilled onto the device, immediately UNPLUG from AC socket immediately. Then ask qualified NUX service staffs to examine and repair the device.
* DO NOT plug device with wet hands.

Fire

* To prevent risk of FIRE, DO NOT place open flames, such as candles, or flameables of any kind on our near the instrument.
* Be aware of worn or damaged power cables, sudden unusual loss of sound during playing, and the smell and or visual signs of smoke or fire. In this event, immediately disconnect the device from AC socket. Consult a qualified NUX service technician to examine and repair the device.

⚠WARNING

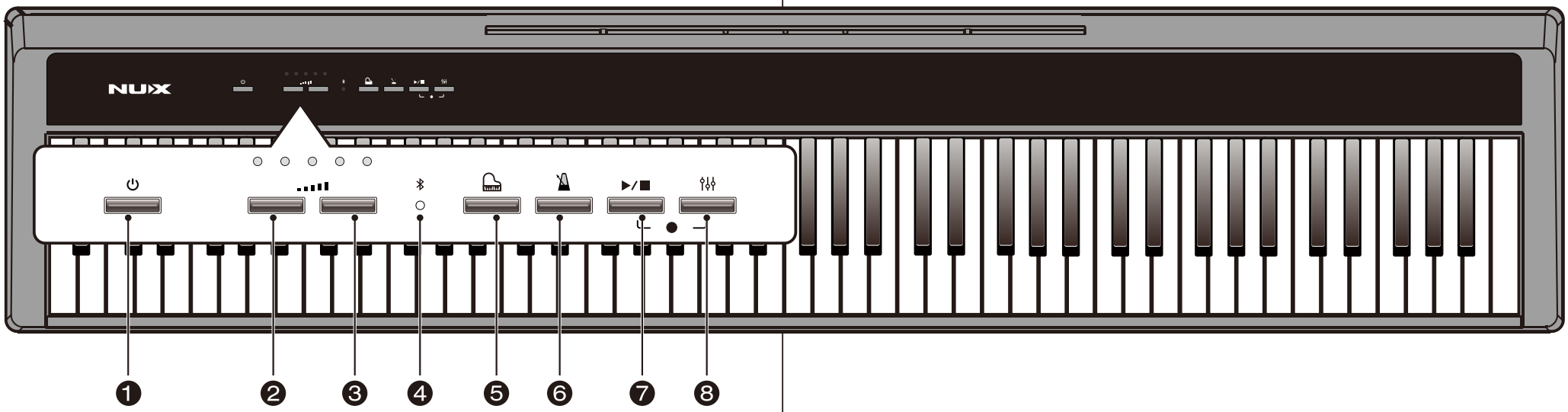
To prevent bodily injury or damage to device and property, please obey the following SAFETY GUIDELINES BELOW. These instruments include but are not limited to following situations.

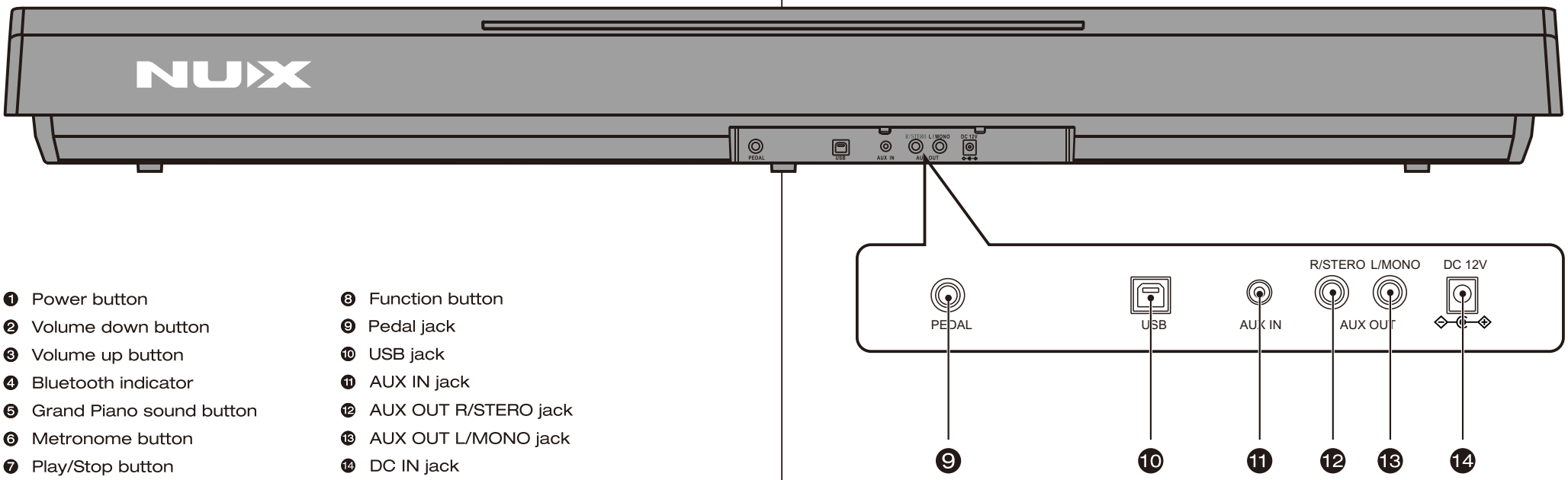
Power/Electric Cable

* When pulling out plug from AC socket, please grab the PLUG instead of power cable which can cause damage to the CABLE !
* When the instrument is not in use for long periods of time or during a lighting storm, please unplug the device from any AC socket.
* Do not connect the instrument to a power source with multiple connectors, which will lower the sound quality, and overheat your AC socket.

Assemble & Use

* Please carefully read the attachment explaining the assemble process. Failure to assemble the instrument in the proper order will damage the instrument and potential cause danger to the user.
* Please connect the external equipment while the digital piano is off.

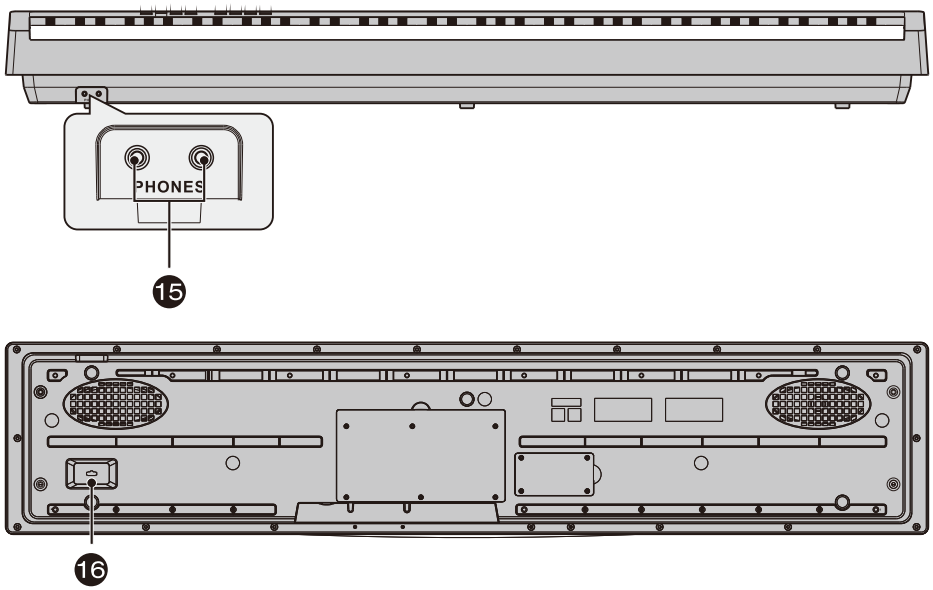




1. Power button
2. Volume down button
3. Volume up button
4. Bluetooth indicator
5. Grand Piano sound button
6. Metronome button
7. Play/Stop button
8. Function button
9. Pedal jack
10. USB jack
11. AUX IN jack
12. AUX OUT R/STERO jack
13. AUX OUT L/MONO jack
14. DC IN jack

Control Panel & I/O Ports

Control Panel & I/O Ports

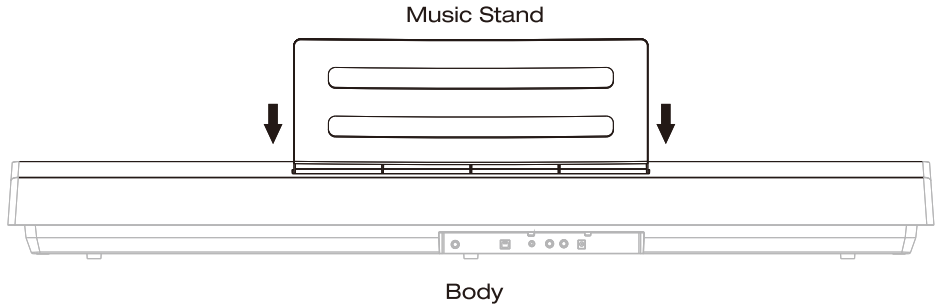


15 PHONES jacks

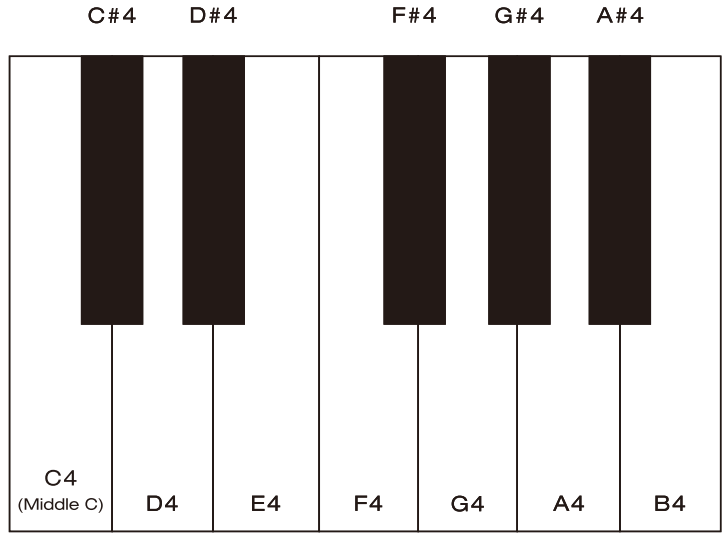
16 Pedal Unit jack

Music Stand Installation / Octave 4 Keys&Notes

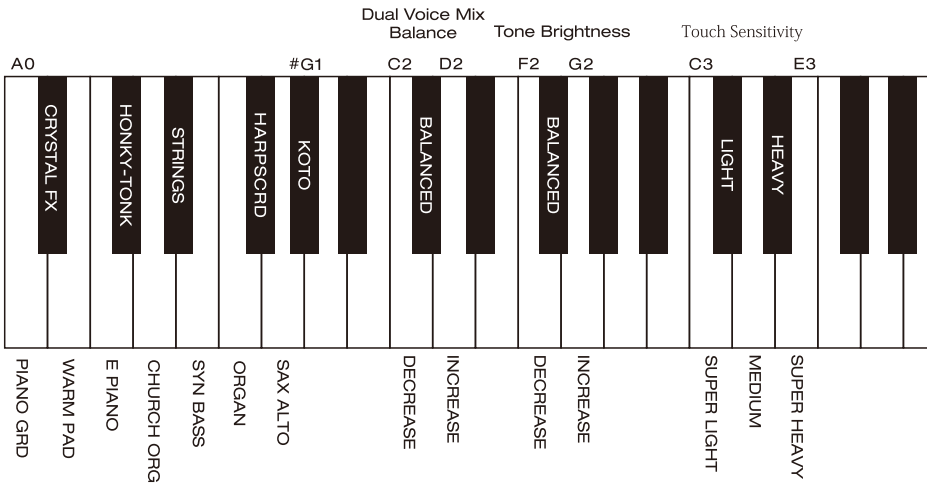
Music Stand Installation



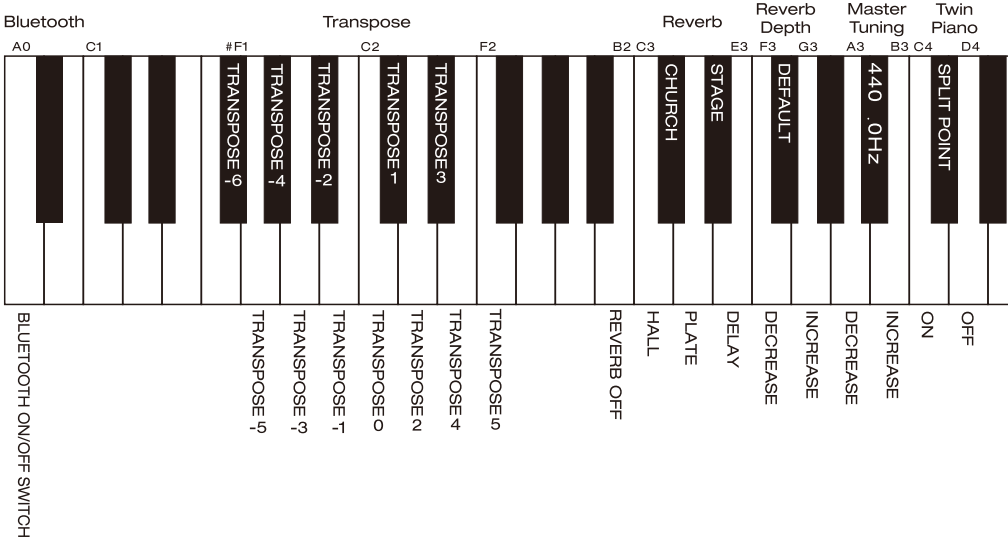
Octave 4 Keys&Notes



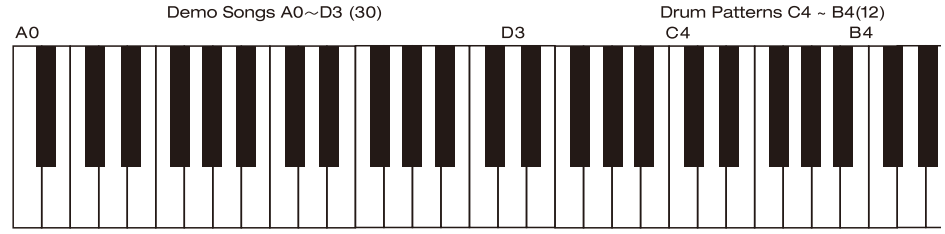
Grand Piano button + Keys



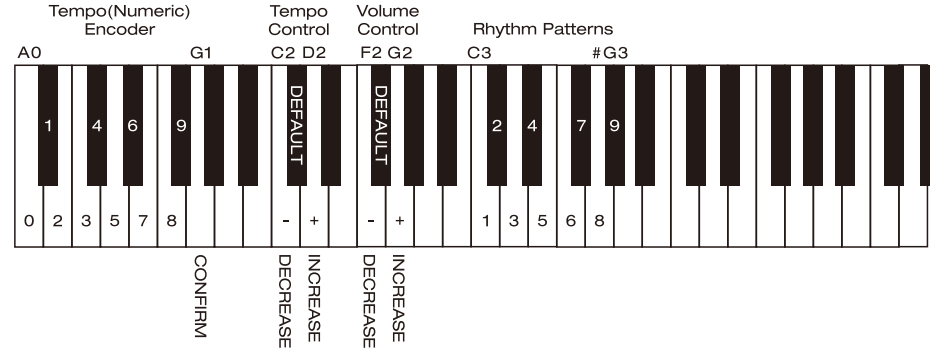
Function button + Keys

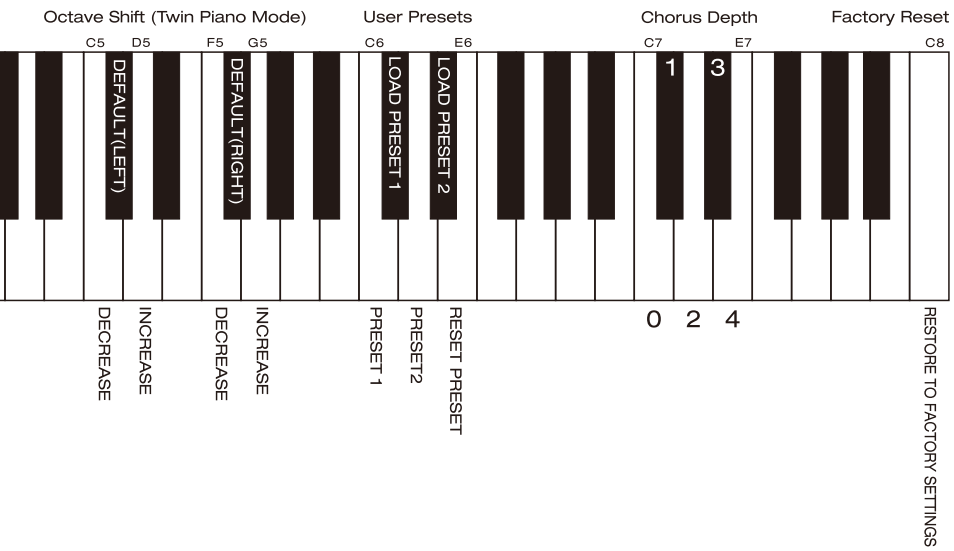


Play/Stop button + Keys



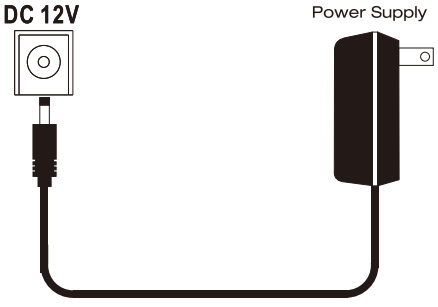
Metronome button +Keys





Power Supply and Volume Control

Please insert the DC plug into DC 12V Jack. Next, connect the power supply to an AC outlet.

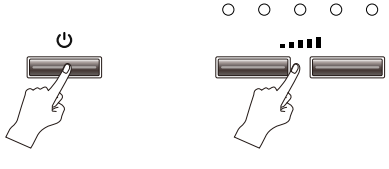


NOTE:
Use only the supplied power adapter. Using a different adapter may cause malfunctions or other issues.
Do NOT use the supplied power adapter with other devices.
Please turn off NPK-10 when plugging or unplugging in the power supply.

1.Press the Power button to turn on the power. During the booting up process, indicators on the top panel will light on in sequence. When backlit of both the power icon and the NUX logo are on, your NPK-10 is ready to be played.

2.Press the Volume Up/Down buttons to adjust the master volume. Need a faster way to adjust the volume? Just try to hold down a Volume button.

3.Hold down the Power button for two seconds to turn off the power.



Basic Operations

Button Operations

Basic functions are accessible by a simple press of the various onboard buttons. For example, you can activate the metronome whenever you press the Metronome button; you can adjust the master volume with the Volume Up/Down buttons.



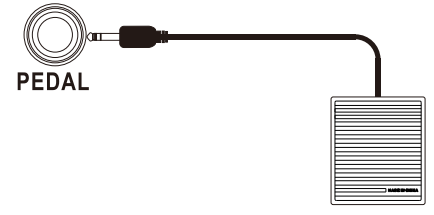
Button and Key Combinations

More settings can be configured by pressing a button in combination with a key. For example, to select
the KOTO tone:
1. Hold down the [Grand Piano] sound button.
2. Press the #G1 key to select the KOTO tone.
3. Release the [Grand Piano] sound button.

Connecting a Pedal / Pedal Unit

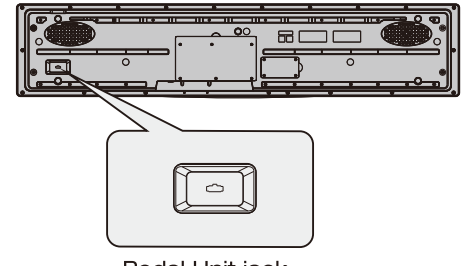
Using a Damper Pedal

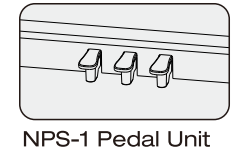
Connect the included Damper Pedal to the Pedal jack.



Using the Pedal Unit (Optional)

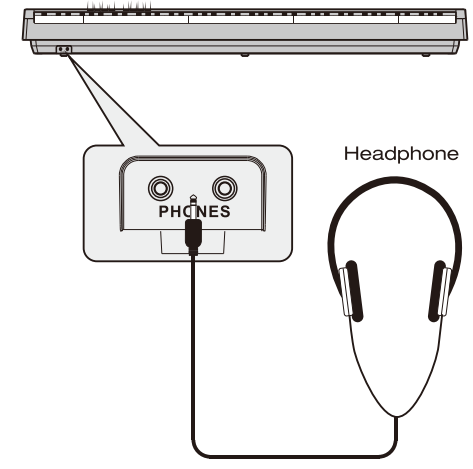
Connect the optionally available 3-Pedal Unit (NPS-1) to the Pedal Unit jack.





Connecting Headphones

There are two PHONES jacks, you can connect up to two stereo headphones here. When either PHONES jack is plugged in, the internal speakers of NPK-1/NPK-10 will be muted.



NOTE:
Please turn down the master volume before using headphones.
Do not use headphones for a long time at high volume levels. Otherwise, you may damage your hearing.

Sound

Selecting a Sound

Hold down the [Grand Piano] sound button and press one of the A0- #G1 keys, the sound changes. There are 12 built-in sounds, please refer to part one of the Function Charts for the full sound list.



Layering Two Sounds

1. Hold down the [Grand Piano] sound button.
2. Press two of the A0-#G1 keys simultaneously. For example, by pressing #C1 and #D1, you can layer HONKY-TONK with STRINGS.(The key pressed first is Voice 1 while the latter is Voice 2.)
3. Release the [Grand Piano] sound button.



NOTE:
To exit Layer mode, simply press the [Grand Piano] sound button, or select a single tone.

Dual Voice Mix Balance

You can adjust the balance between the two layered voices (i.e. Voice 1 & 2).

1. Hold down the [Grand Piano] sound button.
2. Press the C2 key to decrease, D2 to increase, or #C2 to restore the default value (equal balance). (Setting range is 1-5, while the equal balance value is 3. Settings above 3 increase the volume of Voice 1, and vice versa.)
3. Release the [Grand Piano] sound button to finish up the setting.



Touch Sensitivity

The keyboard sensitivity can be customized to cater to your personal preferences.

1. Hold down the [Grand Piano] sound button.
2. Press one of the C3 -E3 keys to change the setting.



Key	Touch Sensitivity	Status
C3	Super Light	Loud notes can be produced even by playing gently.
#C3	Light	
D3	Medium	Sets the keyboard to standard touch.
#D3	Heavy	Loud notes can be produced only by playing very hard.
E3	Super Heavy	

3. Release the [Grand Piano] sound button to finish up the setting.



Tone Brightness

1. Hold down the [Grand Piano] sound button.
2. Press the F2 key to make a sound mellower, G2 to make it brighter, or #F2 to restore the default setting. (Setting range is 1-5, while the default value is 3.)
3. Release the [Grand Piano] sound button to finish up the setting.



Demo Songs & Drum Patterns

1. Hold down the [Play/Stop] button.
2. Press one of the A0-D3 keys to choose a demo song.
   Press one of the C4-B4 keys to choose a drum pattern.
3. Release the [Play/Stop] button to finish up the setting.



NOTE :
Please refer to the specific Drum Patterns and Demo Songs lists on Page 19 and 20.

You can stop the demo song/drum pattern anytime by pressing the [Play/Stop] button.

You can adjust the tempo of the rhythm by holding down the [Metronome] button and pressing the C2 key (to decrease) or the D2 key (to increase).

Using the Metronome

Metronome is a convenient tool for practicing with an accurate tempo.

Turning the Metronome On/Off

1. Press the [Metronome] button to turn on the metronome.
2. Press the [Metronome] button again to turn it off.



Changing the Beats

1. Hold down the [Metronome] button.
2. Press one of the C3- #G3 key to choose your preferred beats.
3. Release the [Metronome] button to finish up the setting.

Key	Beats
C3	1
#C3	2
D3	3
#D3	4
E3	5
F3	6
#F3	7
G3	8
#G3	9

Changing the Tempo

When the metronome is activated or the demo song is playing, you can adjust the tempo within the range of 20 ~ 280 bpm. There are two approaches to do it:



A. Increasing/Decreasing the Tempo

1. Hold down the [Metronome] button
2. Press the C2 key to decrease the tempo, D2 to increase the tempo, or #C2 to restore the default tempo.
3. Release the [Metronome] button to finish up the setting.

B. Specifying a Numeric Tempo

1. Hold down the [Metronome] button.
2. Press the A0 - #F1 keys (assigned as 0 - 9) to input a 3-digit tempo value. Then press G1 to confirm. For example, to specify 76 bpm, press the A0(0), E1(7), #D1(6), G1(confirm) keys in order.
3. Release the [Metronome] button to finish up the setting.

Changing the Metronome Volume

1. Hold down the [Metronome] button.
2. Press the F2 key to decrease the volume, G2 to increase the volume, or #F2 to restore the default volume setting.
3. Release the [Metronome] button to finish up the setting.



Reverb



1. Hold down the [Function] button.
2. Press one of the C3-E3 keys to choose your preferred reverb effect, press B2 to turn reverb off.
3. Release the [Function] button to finish up the setting.

Key	Reverb Effect
C3	Hall
#C3	Church
D3	Plate
#D3	Stage
E3	Delay
B2	Reverb Off

Changing the Depth of Reverb Effects

1. Hold down the [Function] button.
2. Press the F3 key to decrease the depth, G3to increase the depth, or #F3 to restore the default depth setting. (Setting range is 1-5, while the default value is 3.)



3. Release the [Function] button to finish up the setting.

Chorus

1. Hold down the [Function] button.

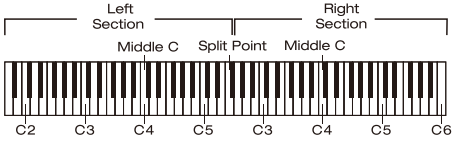


Key	Chorus Depth
C7	0/OFF
#C7	1
D7	2
#D7	3
E7	4

2. Press one of the C7-E7 keys to set the Chorus depth.
3. Release the [Function] button to finish up the setting.

Twin Piano Mode

Twin Piano splits the keyboard for two people to play.
To enter Twin Piano mode, hold down the [Function] button, and press the C4 key. The default split point is F4; the C3 key will become 'C4' for the left section while the C6 key will become 'C4' for the right section.
To exit from Twin Piano mode, simply hold down the [Function] button and press the D4 key.



Changing the Split Point

1. Hold down the [Function] button and press the #C4 key. Backlit of the [Function] button will start to blink.
2. Press one of the A2 - C7 keys to set the new split point. Then the backlit of the [Function] button will turn off automatically.

Changing the Voice

Select a voice before entering the Twin Piano mode, and this voice will remain the voice of the left-hand range. (If layered voices, only the main voice, i.e. Voice 1, will remain.)
For the right-hand range, you can select a single voice or layered voices directly in Twin Piano mode.

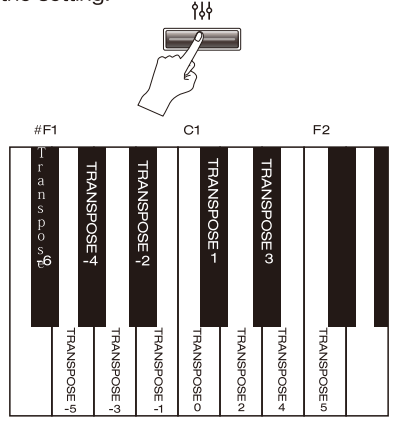
Octave Shifting for Each Voice

1. Hold down the [Function] button.
2. Press the C5 key to lower or the D5 key to raise the pitch of the left-hand section one octave.
3. Press the F5 key to lower or the G5 key to raise the pitch of the right-hand section one octave.
4. Release the [Function] button to finish up the setting.

Note:
When Twin Piano mode is off, the F5 and G5 keys shift the octave of the entire keyboard.

Transpose

Transpose lets you shift the pitch of the entire keyboard up or down in semitone intervals, thus you can play in a key more comfortable for you or easily match a singer or other instrument.
1. Hold down the [Function] button.
2. Press one of the #F1 - F2 keys to transpose the pitch by the corresponding semitones.
3. Release the [Function] button to finish up the setting.



Master Tuning

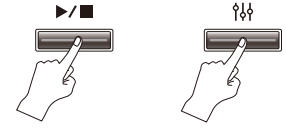
If someone in your band uses an instrument that's tuned with a different standard pitch, you can adjust the Master Tuning.



1. Hold down the [Function] button.
2. Press the A3 key to lower or the B3 key to raise the standard pitch.
3. Release the [Function] button to finish up the setting.

Recording and Playing Back a Performance

The NPK-1/NPK-10 allows you to record & playback your performance effortlessly.



1. Hold down the [Play/Stop] button, then press the [Function] button; backlights of the [Function],[Play/Stop] and [Metronome] buttons will start to blink. The NPK-1/NPK-10 enters recording standby mode.
2. Recording starts automatically when you start playing the keyboard, and backlit of the [Function] button will be turned off. You can press the [Metronome] button to turn metronome off.
3. To stop recording, press the [Play/Stop] button. The backlit will go off and the data will be automatically saved.
4. Press the [Play/Stop] button to play back the recorded performance. Press the [Play/Stop] button again to stop the playing.

Note:
DO NOT unplug the power supply during the recording process, or you will lose all recorded data.
Starting a new recording process will replace the existing recorded file.
A maximum of approx. 18000 notes can be saved.

Auto Sleep Function

If the NPK-1/NPK-10 is not used for an hour, the sleep mode automatically activates. When it is in sleep mode the backlit of power button will start 'breathing'. You can press the [Power] button to wake it up.

Saving your Settings

The NPK-1/NPK-10 allows you to save your settings and easily call them up for your next performance. This is called the "Preset Mode"

1.Hold down the [Function] button and press either the C6 or D6 key to save your settings.
2.Release the [Function] button to finish up the setting.
3.Hold down the [Function] button and press the #C6 or#D6 key to recall the settings saved with C6 or D6.
4.Hold down the [Function] button and press the E6 key to exit the preset mode.



NOTE:
There are only 2 memory banks, saving new setting to an existing bank will overwrite the existing setting. Also, restoring the factory settings will erase all your settings.

Metronome beats will be saved with your settings, while the tempo will be set to default. If desired, you can change the tempo as per instructions of [Changing the tempo].

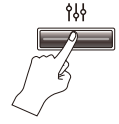
Restore to Factory Setting

If anything goes wild, you can easily restore to factory setting.

Hold down the [Function] button and press the C8 key. The indicators will start to blink for 5 seconds and then the NPK-1/NPK-10 will reboot automatically to restore to factory setting.

Using the Bluetooth

The built-in Bluetooth module allows you to connect other Bluetooth enabled smart devices.



Play Backing Track

1.Hold down the [Function] button and press the A0 key to turn on/off the Bluetooth. You can check the ON/OFF status from the Bluetooth indicator.
2.Release the [Function] button to finish up the setting.
3.Turn on the Bluetooth function of your smart device.
4.On your smart device, select "Piano Audio". The NPK-1/NPK-10 will be paired with your smart device.

ALWAYS TURN DOWN the VOLUME of your smart device before pairing it with the NPK-1/NPK-10. Keep the volume at a safe level which willnot damage the listener's hearing.

Using the APP

NPK-10 is compatible with the APP "Piano Mate" for iOS and Android. "Piano Mate" has a collection of onboard sheet music, and makes practicing and teaching more convenient. Scan the QR code and download the app corresponding to the mobile device you are using:

After installing the "Piano Mate" on your mobile device, you can register and open the sheet music. Then turn on the Bluetooth on the sheet music page, and select "NUX PIANO ******" for pairing connection.

Note: The Bluetooth connection between the digital piano and the "Piano Mate" APP does not require the Bluetooth Audio function. When the digital piano is powered on, the APP will automatically recognize it.

Model
NPK-10

Keyboard
88 keys
Triple-sensor scaled hammer-action keyboard (with escapement and ivory feel)
Touch Sensitivity: 5 types (Super Light/Light/Medium/Heavy/Super Heavy)

Sound
Sound Chip: Dream 5708 DSP
Max. Polyphony: 189
Tones: 12 built-in tones

Effects/Functions
Reverb and Delay: 5 types (Hall/Church/Plate/Stage/Delay; reverb depth adjustable)
Chorus: 4 depth levels
Tone Brilliance: 5 levels
Dual/Layer: Yes (mix balance adjustable)
Twin Piano: Yes (split point adjustable; individual octave shift and tone selection)
Octave Shift: Yes (-1 to +1 octaves)

Functions
Bluetooth: Yes (MIDI and audio)
Transpose: -6 to +5 in semitones
Rhythm: 12 drum patterns
Demo Songs: 30
Metronome: 9 beats, tempo range 20 to 280 bpm
Recording: 1 song (approx. 18000 notes total)
Master Tuning Range: 415Hz to 460Hz
User Preset: 2 memory banks
Auto-sleep: Yes

Pedal
Damper (included), 3-Pedal Unit (optional)

Connectivity
USB MIDI, AUX IN, LINE OUT, Headphones X 2, Damper Pedal Jack, Connector for 3-Pedal Unit.

Amplifiers and Speakers
Preamp: TI Preamp Chip
Speaker: 10W X 2, 3" X 6" Oval Speaker

Power Supply
DC 12V/2A

Size and Weight
Dimensions: 1300mm(L) x 270mm(W) x 130mm(H)
Weight: 11.2kg

*Specifications may change without notice.

Sound List

Key	Sound
A0	PIANO GRD
A#0	CRYSTAL FX
B0	WARM PAD
C1	E PIANO
C#1	HONKY-TONK
D1	CHURCH ORG
D#1	STRINGS
E1	SYN BASS
F1	ORGAN
F#1	HARPSCRD
G1	SAX ALTO
G#1	KOTO

Drum Pattern List

Key	Drum Pattern
C4	8 BEAT
#C4	16 BEAT
D4	BOOGIE WOOGIE
#D4	COUNTRY
E4	DANCE
F4	FOX TROT
#F4	FUNK
G4	HENAN
#G4	JAZZ
A4	LATIN
#A4	R&B
B4	WALTZ

Demo Song List

Key	Demo Song
A0	TWINKLE TWINKLE VARIATION
#A0	WALTZ,Op.34
B0	ETUDE IN F SHARP MAJOR
C1	TROIS ECOSSAISES Op.72, No.3-5
#C1	SCHERZO IN B FLAT MINOR
D1	POLONAISE A MAJ, Op.40 No.1
#D1	GAVOTTE
E1	GRANDE SONATA PATHETIQUE
F1	DEBUSSY-ARABESQUE No.1
#F1	CHOPIN-WALTZ,Op.64,No.2
G1	CHOPIN-PRELUDE
#G1	CHOPIN-ETUDE
A1	REGGAE
#A1	MAPLE LEAF RAG
B1	WINE
C2	HOLY HALL
#C2	RUSSIAN DANCE
D2	BRAHMS-CONCERTO
#D2	HAVANERA
E2	LAZY-BIRD
F2	THE NUTCRACKER:DANCE OF THE REED FLUTE
#F2	JASMINE FLOWER
G2	FLY ME TO THE MOON
#G2	ON WINGS OF SONG
A2	JAMBALAYA
#A2	DANCE OF THE SUGAR PLUM FAIRY
B2	EARLY-AUTUMN
C3	SATIN-DOLL
#C3	DONNA-LEE
D3	MERCYMERCYMERCY

Trouble	Possible Reason/Solution
The digital piano will puff when it is switched on.	Don't worry. This is normal.
Pressing a key makes no sound after the power is on.	Please confirm whether the master volume button is set properly or confirm whether the headphone jack is linked to other devices, which will automatically cut off the built-in speaker system.
Notes have slightly different quality under the same sound.	This is normal because different sound sampling ranges make different sound quality.
In pedal sustain function, some sound sustains longer, others shorter.	This is normal. The tenuto of different sounds of this digital piano has been set to optimized length.
The sound volume is too small.	Please confirm whether the master volume button is set properly.
Some MIDI Data can not be transmitted correctly (Even the MIDI cable is linked correctly).	This is normal. It is related to the original setting.
The speaker will make noise when a cell phone is nearby.	The cell phone will jam when it is nearby. The cell phone should be turned off or keep the cell phone away from the digital piano to avoid the jam.
The pitch doesn't match with the key while playing.	Maybe the Twin Piano function or Transpose function is turned on. Turning off Twin Piano or resetting Transpose to zero can solve the problem.
The sound can not be changed while playing. The pitch doesn't match with the key.	Maybe the Twin Piano function is turned on and the split point is set to the highest pitch. Turning off Twin Piano and setting the split point to the original status can solve the problem.
The demo song distorts or interrupts.	Maybe it has been playing in maximum power for a long time so that the circuit board self-protection system is activated in case of overheat. Turning down the volume or turning off the power for a while can solve the problem.

Trouble	Possible Reason/Solution
There are two sounds at the same time while playing.	Maybe you turned on dual voice function. Turning off dual voice function can solve the problem.
The tone's pitch is wrong.	Turn off Transpose function and restore the Master Tuning to default setting.
No automatic accompaniment chord.	Automatic accompaniment chords function is currently not available for this digital piano.
Key touch is different from before.	This digital piano has 5 touch sensitivity levels. Maybe you have chosen different levels. You can adjust the touch sensitivity again or reset to default level.

THE FCC REGULATION WARNING (for U.S.A.)

FCC Warning
FCC ID: 2AOAA-NPK-10

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

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body.