PRECAUTIONS

Please read carefully before proceeding

Please observe the following instructions when you play the instrument to avoid any injury to person and damage to the instrument or other external equipments. The items are as follows but are not limited.

01 Read these instructions.

02 Keep these instructions.

03 Heed all warnings.

04 Follow all instrutions.

05 Do not use this apparatus near water.

06 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

07 Do not install near any heat sources such as radiators, heat registers, stoves or other

apparatus(including amplifiers)that produces heat.

08 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 grouding type plug has two blades and a third grounding prong. The wider blade or the third prong are provided for your safety. If the provided plug does not fit in to your outlet, consult anelectrician forreplacement of the obsolete outlet. This logo aims to alert users that there is uninsulated “dangerous voltage”in the product accessories that may lead to electronic shock to person. This logo aims to alert users that there are instrutions for important operations and maintenance(services) in the attachedgraphics.

High voltage dangerous Warning

To avoid electronic shock, short circuit, accident, fire or other risks that may lead to serious injuries and deaths to users, pay attention to the following item but are not limited to:

- Keep away from moisture, do not put the container which is full of liquid on the instrument, such as the vase.

- Do not move the top or backboard
- Pull out the power plug before you clean the instrument. Plug the power plug with your dry hands.
- Check the power plug and clean the dirty regularly.
- Items not mentioned in the reference should be repaired by the user’s.

Warning

- Protect the power cord from being walked on or pinched, particularly at plug, convenience receptacles and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- 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.

- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Do not place this apparatus in dusty, vibrational, cold or hot enviroment(for example under sunshine, heating or cars under the sunlight) for keeping the look and internal componentsfrom being damaged.

- Do not use this apparatus near other electronic appliance such as television, radio or speakers to protect it from being disturbed.
- Do not put this apparatus on the unstable places to prevent from being dropped and damaged.
- Clean the apparatus with soft dry cleaning cloth before it is moved. Do not use paint thinner, organic solvents or chemicals to clean the body. Besides, do not place the ethylene-related plastic on the apparatus to prevent the panel or keyboard from fading.
- Do not sit on the apparatus and put heavy things on it. Do not overexert when operating the switch button and the connecting cords.
- Do not master excessive volume to avoid any harm to your hearing. Go the see the doctor when your ears feel uncomfortable.
- Servicing is required when the apparatus has been damaged in any way, such as power-cord or plug is damages, 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.
- Our company is not responsible for any damage caused by the users, including incorrect use or modification for the apparatus which may lead to data lost and damages.

Catalogue

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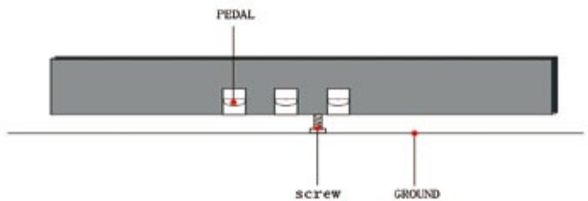
The illustrations and the screens of this manual are for instructional purposes only and may appear different from those on your instrument.

We thank you for selecting the all-new digital piano!Whether you are a student, teacher or professional, the piano will impress you with its musical quality and stylish design providing years of enjoyment. In addition, the digital piano is equipped with a high performance Hammer Action keyboard, for a realistic touch that allows you to express yourself in endless varieties of shad and color.

For these and many other reasons, you will discover the digital piano is an absolute pleasure to play!To get the absolute most out of the new piano, we recommend that you read this manual carefully so that you can take full advantage of all the advanced and convenient functions. We also recommend that you keep this manual in a safe and handy place for quick and easy reference in the future.

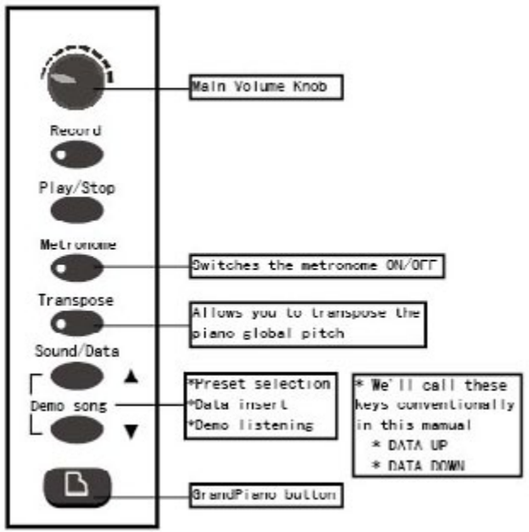
If you’re enjoying this digital piano, please kindly recommend it to your friends!

PRECAUTIONS



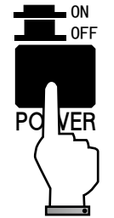
When you install the pedal,pls kindly pay attention to screw,pls be must to make the screw to close and touch ground ,if not ,the pedal will be easy to be damage

CONTROL PANEL



Power

Connect your piano to a appropriate AC outlet and switch it on using the power button located on the right hand side of the keyboard.Wait a couple of seconds while your piano powers up. The Grand Piano button will illuminate indicating the default sound.



Volume

Turn the volume knob on the control panel to set your piano volume. Turning the knob to the left will decrease the volume and turning it to the right will increase the volume.

Warning：high volume may cuase damage to ears

Headphone

In addition to the internal amplification system, you cancon -nect two sets of standard stereo headphones.

The headphone inputs are located under the left-hand side.

• The headphone connection disables the internal speaker system

• The Main Volume knob adjusts the headphone volume.

Record

Start recording: Press “Record”. As the indicate light in the buttonshows the start of recording, the metronome will automatically start. Press “Metronome” to turnoff if it’s not needed.

Stop recording: Press “Record” again to stop recording.When the memory capa -city is full loaded, the recording will stop automatically.

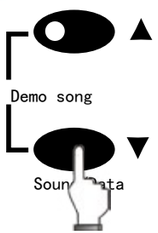
Play/Stop

To play the recorded track, press “Play/Stop”. Press again to stop.

Demo songs

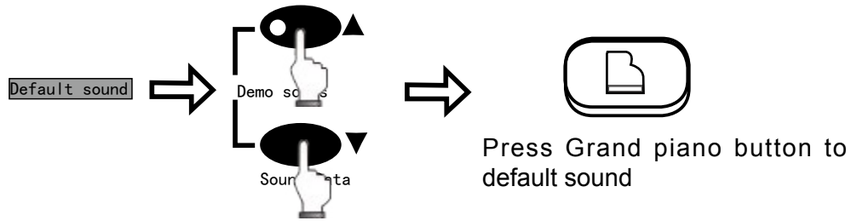
This digital piano features 65 built-in demo songs, you can play by following this procedure:

1. Start the demo sequence by pressing the two DATA UP/DOWN buttons AT THE SAME TIME.
2. Press the two DATA UP/DOWN buttons again to STOP the demo sequence.



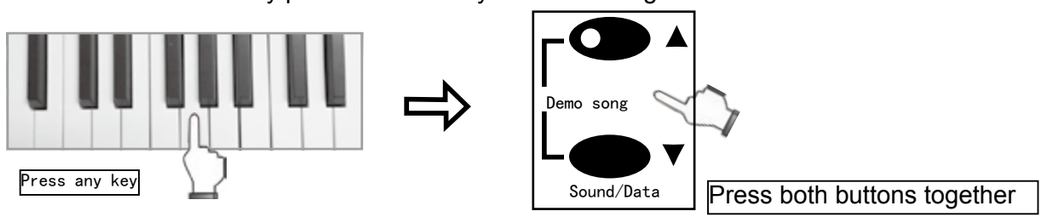
Sounds

First, power on the instrument(GRANDPIANO is automatically Selected). Press the DATA UP/ DOWN button to change the instrument presets.Each time the button is pressed, the next preset is recalled(there are 26 available presets). Pressing the Grand Piano button on the control panel will return your piano to the GRANDPIANO sound.



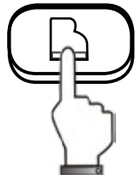
Instruction mode

Press and key together with UP/DOWN button to start instruction mide. There are 65 instruction tracks which can be select by press different keys when starting the mode.



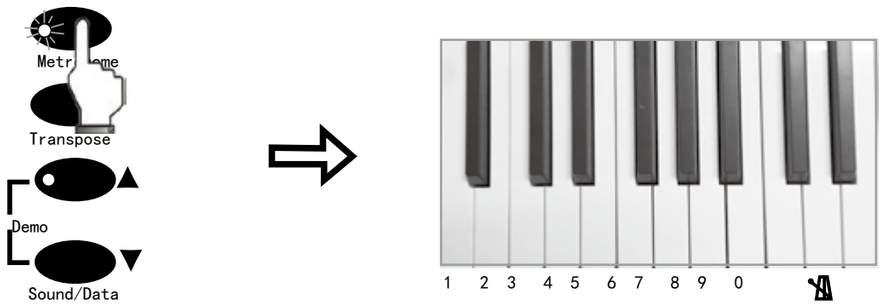
Grand piano

No matter in what condition, press the METRONOME button on the panel to enable you return to initial status. Default preset is Grand Piano.



Metronome

Press the METRONOME button on the panel to enable your metronome. The button LED-light will start flashing. The default metronome tempo is 120 BPM.



Press Sound/Data to select speed

By pressing the METRONOME button for more than 2 seconds, the piano will enter the metronome tempo settings.

Set the metronome tempo by pressing the corresponding key in the keyboard in a range from 30 to 250 BPM.

Press the METRONOME button to exit the metronomer settings

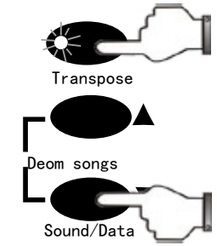
Transpose

You can transpose your piano by +/-12 semitones. Keep the TRANSPOSE button on the control panel pressed for more than 2 seconds (the corresponding button indicator blinks):

Press the SOUND/DATA buttons to change the current value.

Press the TRANSPOSE button to exit the transpose edit status.

The button indicator stops flashing but remains ON, to show the current transposed status of the piano.



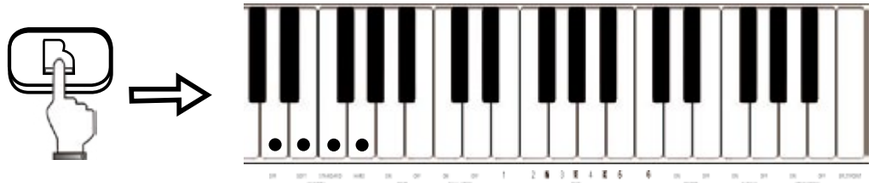
Function Control

Being an extremely user-friendly instrument, the functions of this digital piano are easily activated.
Each function is associated with one of keys on the right keyboard.
The name of each function is printed under the corresponding key for your reference.

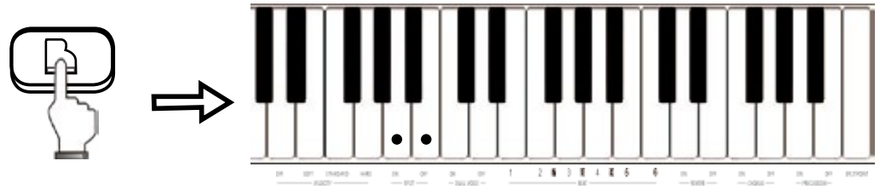
Each programming function can be enabled by pressing the GRANDPIANO key.
While holding the selected key, you can select the corresponding function.
Press the GRANDPIANO button to exit the function status and return to normal mode

Function Edition

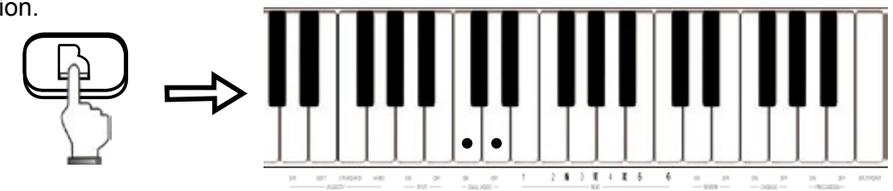
Dynamics: It is divided into four types, off, light, standard and strong. Each of them is corresponding to one key. Press grand piano button to activate function select status, then press corresponding key to choose.



Split Mode:There are two statuses, on and off, which are corresponding to one key. First long press grand piano button to activate function selection. Then press corresponding function key to turn on or off split function.



Dual Voice: There are two statuses, on and off, which are corresponding to one key. First long press grand piano button to activate function selection. Then press corresponding function key to turn on or off dual voice function.

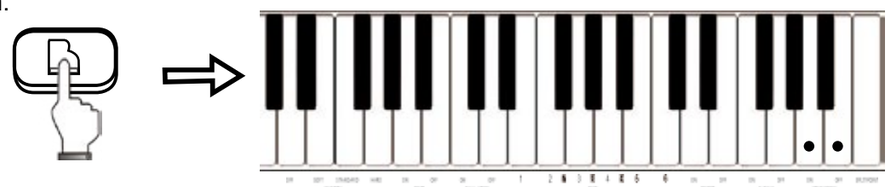


Temperaments selection: There are nine beat styles, which are 1,2,3,4,5,6,7,8,9, separately corresponding to 4 keys and 3 black keys. First long press grand piano button to activate function selection. Then press corresponding function key to choose beat style.

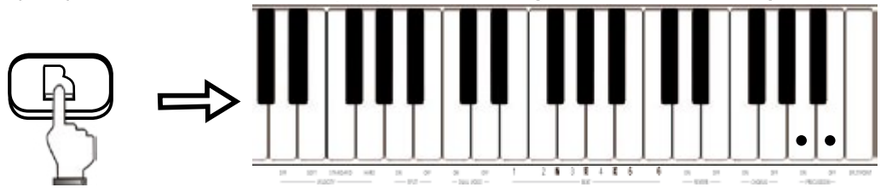
Reverb: There are two statuses, on and off, which are corresponding to one key. First long press grand piano button to activate function selection. Then press corresponding function key to turn on or off reverb function.

Chorus: There are two statuses, on and off, which are corresponding to one key. First long press grand piano button to activate function selection. Then press corresponding function key to turn on or off chorus function.

Percussion: There are two statuses, on and off, which are corresponding to one key. First long press grand piano button to activate function selection. Then press corresponding function key to turn on or off percussion function.

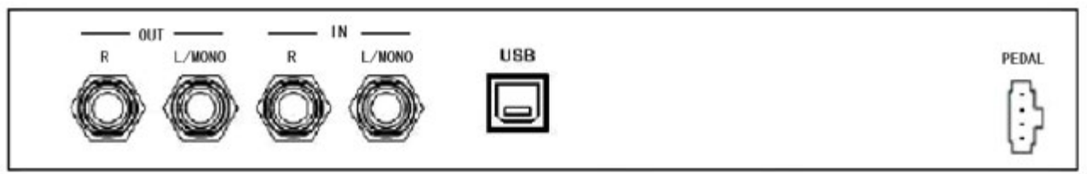


Split Point: Dual voice split point selection is corresponding to C key in the picture. First long press grand piano button to activate function selection. Then press corresponding key to activate this split point function. Press any key to set the dual voice split point. The original status of this digital piano's split point is Central C.

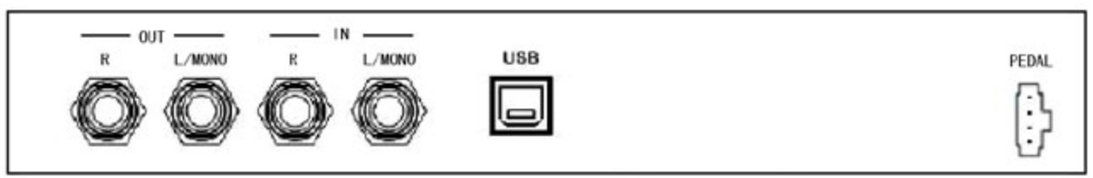


Rear connection board

F-10 connection



F-20 connection

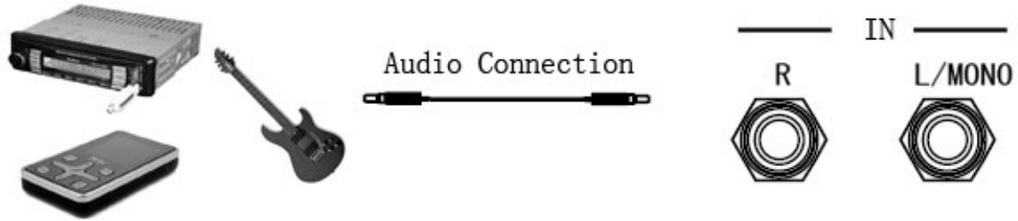


(1)Audio Output Stereo output, connect the digital piano to a peripheral speaker system
(2)Audio Input Stereo Input, connect the digital piano to a built-in speaker system
(3)USB USB MIDI connection
(4)HEADPHONE Connecting headphone
(5)Speaker Connect to speaker
Note: Speakers will be out of function while headphone is plugged in.

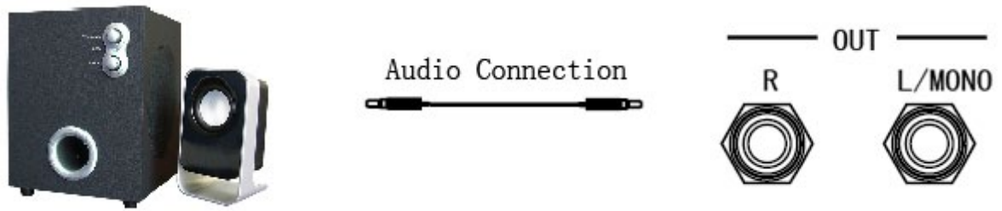
USB MIDI

Audio Connection

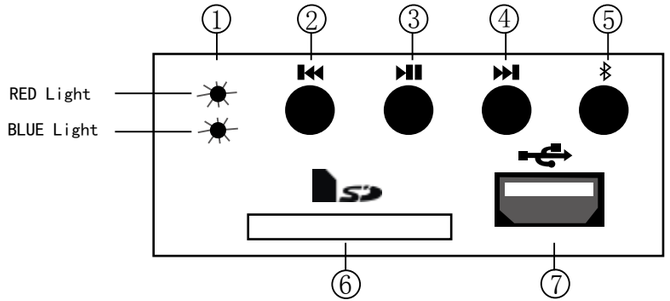
Audio Input: Connect the musical instrument to the built-in speaker system, regarding the digital piano as speaker.



Audio Output: Regarding this digital piano as sound source, connect it to the external speaker system.



Bluetooth MP3 Function



1、**Status Indicator Light**：Red light turns on to indicate USB, SD status. Blue light turns on to indicate Bluetooth status;

2、**Previous Composition/Volume-:** In playing status, press it shortly to switch to previous composition. Long press to lower the volume;

3、**Play-Pause/Bluetooth Matching:** Press it shortly to play or pause. Long press for Bluetooth matching;

4、**Next Song/Volume:** In playing status, press it shortly to switch to next composition. Long press to raise the volume;

5、**Mode Switch:** Switch between USB, SD and Bluetooth;

6、**SD Card Jack**

7、**USB Jack**

USB/SD Use Guideline：

The default status of Bluetooth is standby after power on. It switches to reading status after inserting USB and SD Card. The red LED flashes during reading. Press【⏮】or 【⏭】to select composition; Press【⏯】to play or pause. The red LED lights constantly when it is paused.

Bluetooth Use Guideline：

Long press【⏯】to enter Bluetooth matching status and the blue LED flashes slowly. Use the cell phone to search for Bluetooth device. The blue LED will flash quickly while playing if it is matched successfully. Press【⏮】or【⏭】to choose music. Press【⏯】to play/pause music. The blue LED turns on shortly and flashes when it is paused.

If you want to switch to Bluetooth playing status when the USB and SD Card is reading, you have to press【 ᛒ 】button to switch to Bluetooth mode for matching.

Sound list

No.	PC#(midi)	Instrument
00	PIANO GRD	"GrdPiano"
01	PIANO BRITE	"BrtPiano"
02	PIANO ELEC	"EtrPiano"
03	HONKY-TONK	"HonkTonk"
04	E PIANO1	"E Piano1"
05	E PIANO2	"E Piano2"
06	HARPSCRD	"HarpChrd"
07	CLAVI	"Clavinet"
08	MUSIC BOX	"MusicBox"
09	XYLOPHONE	"XylPhone"
10	ROCK ORG	"Rock Org"
11	CHURCH ORG	"ChrchORg"
12	ACCORDN 1	"Accordn1"
13	GTR NYLON	"GtrNylon"
14	Acoustic Guitar	"Acoustic"
15	FINGR BASS	"FngrBass"
16	VIOLIN	"Violin"
17	Tremolo Strings	"Tremolo"
18	HARP	"Harp"
19	STRINGS 1	"Strings1"
20	Voice Oohs	"Voice Oohs"
21	TRUMPT	"Trumpt"
22	BRASS SECT	"BrassSec"
23	SAX TENOR	"SaxTenor"
24	OBOE	"Oboe"
25	FLUTE	"Flute"
26	Lead 6 (voice)	"Lead 6 "
27	ErHu	"Er Hu "
28	GuZheng	"Gu Zheng"
29	PiPa	"Pi Pa "
30	SuoNa	"Suo Na "

Precussion

note#	note	0stand set	1Room set	2Power set	3Electri set	4Synth set
27	C1	Syn Sound	Syn Sound	Syn Sound	Syn Sound	Syn Sound
28	C#1	Slap	Slap	Slap	Slap	Slap
29	D1	Scratch1	Scratch1	Scratch1	Slap	Scratch1
30	D#1	Scratch2	Scratch2	Scratch2	Scratch2	Scratch2
31	E1	Sticks	Sticks	Sticks	Sticks	Sticks
32	F1	Click	Click	Click	Click	Click
33	F#1	Metronome Click	Metronome Click	Metronome Click	Metronome Click	Metronome Click
34	G1	Metronome Bell	Metronome Bell	Metronome Bell	Metronome Bell	Metronome Bell
35	G#1	Kick2	Kick2	Kick2	Eleotry Kick2	Kick2
36	A1	Kick1	Kick1	Power Kick1	Eleotry Kick1	Synth Kick
37	A#1	Side Stick	Side Stick	Side Stick	Side Stick	Synth Side Stick
38	B1	Snare Drum2	Snare Drum2	Power Snare	Eleotry Snare Drum2	Synth Snare
39	C2	Hand Clap	Hand Clap	Hand Clap	Hand Clap	Hand Clap
40	C#2	Snare Drum1	Room Snare1	Snare Drum1	Eleotry Room	Snare Drum1

					Snare 1	
41	D2	Low Tom2	Power Low Tom2	Power Low Tom2	Eleotry Low Tom2	Synth Low Tom2
42	D#2	Closed Hi-Hat	Closed Hi-Hat	Closed Hi-Hat	Closed Hi-Hat	Synth Closed Hi-Hat
43	E2	Low Tom1	Power Low Tom1	Power Low Tom1	Eleotry Low Tom1	Synth Low Tom1
44	F2	Pedal Hi-Hat	Low Tom1	Pedal Hi-Hat	Pedal Hi-Hat	Synth Pedal Hi-Hat
45	F#2	Mid Tom2	Power Mid Tom2	Power Mid Tom2	Eleotry Mid Tom2	Synth Mid Tom2
46	G2	Open Hi-Hat	Open Hi-Hat	Open Hi-Hat	Open Hi-Hat	Synth Open Hi-Hat
47	G#2	Mid Tom1	Power Mid Tom1	Power Mid Tom1	Eleotry Mid Tom1	Synth Mid Tom1
48	A2	High Tom2	Power High Tom2	Power High Tom2	Eleotry High Tom2	Synth Tom2
49	A#2	Crash Cymbal	Crash Cymbal	Crash Cymbal	Crash Cymbal	Synth Crash Cymbal
50	B2	High Tom1	Power High Tom1	Power High Tom1	Power High Tom1	Synth High Tom1
51	C3	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal	Ride Cymbal
52	C#3	Chinese Cymba1	Chinese Cymbal 1	Chinese Cymbal 1	Chinese Cymbal 1	Chinese Cymbal 1
53	D3	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell
54	D#3	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine

55	E3	Splash Cymbal	Splash Cymbal	Splash Cymbal	Splash Cymbal	Splash Cymbal
56	F3	Cowbell	Cowbell	Cowbell	Cowbell	Cowbell
57	F#3	Crash Cymbal	Crash Cymbal	Crash Cymbal	Crash Cymbal	Crash Cymbal
58	G3	Vibra-Slap	Vibra-Slap	Vibra-Slap	Vibra-Slap	Vibra-Slap
59	G#3	Ride Cymbal1	Ride Cymbal1	Ride Cymbal1	Ride Cymbal1	Ride Cymbal1
60	A3	High bomgo	High bomgo	High bomgo	High bomgo	High bomgo
61	A#3	Low conga	Low conga	Low conga	Low conga	Low conga
62	B3	Mute conga	Mute conga	Mute conga	Mute conga	Mute conga
63	C4	High conga	High conga	High conga	High conga	High conga
64	C#4	Low conga	Low conga	Low conga	Low conga	Low conga
65	D4	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale
66	D#4	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale
67	E4	High Agogo	High Agogo	High Agogo	High Agogo	High Agogo
68	F4	Low Agogo	Low Agogo	Low Agogo	Low Agogo	Low Agogo
69	F#4	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa
70	G4	Msracas	Msracas	Msracas	Msracas	Msracas
71	G#4	Short Hi Whistle	Short Hi Whistle	Short Hi Whistle	Short Hi Whistle	Short Hi Whistle
72	A4	Long low whistle	Long low whistle	Long low whistle	Long low whistle	Long low whistle
73	A#4	ShortGuiro	ShortGuiro	ShortGuiro	ShortGuiro	ShortGuiro
74	B4	logn Guiro	logn Guiro	logn Guiro	logn Guiro	logn Guiro

75	C5	Claves	Claves	Claves	Claves	Claves
76	C#5	Hi Wood Block	Hi Wood Block	Hi Wood Block	Hi Wood Block	Hi Wood Block
77	D5	Low Wood Block	Low Wood Block	Low Wood Block	Low Wood Block	Low Wood Block
78	D#5	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica
79	E5	Open Cueca	Open Cueca	Open Cueca	Open Cueca	Open Cueca
80	F5	Mute Triangle	Mute Triangle	Mute Triangle	Mute Triangle	Mute Triangle
81	F#5	Open Triangle	Open Triangle	Open Triangle	Open Triangle	Open Triangle
82	G5	Shaker	Shaker	Shaker	Shaker	Shaker
83	G#5	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
84	A5	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree
85	#5	Castanets	Castanets	Castanets	Castanets	Castanets
86	B5	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo
87	C6	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo

MIDI function

FUNCTION		TRASMITTED	RECOGNIZED	REMARKS
Basic Channel	Default	1-16	1-16	Reach 3 channels simultaneously
	Changeable	1-16	1-16	in pre-setting mode
Mode	Default	Mode 3	Mode 3	
	Information	×		
	Changeable	******	Mode 3	
Pitch	Pure Sound	0-127	0-127	
		21-108	21-108	
Velocity	ON	○	○	
	OFF	×	×	
AFTER	Key's	×	×	
TOUCH	Ch's	×	×	
Control Switch	0	○	○	MSB Sound Bank Selection
	7	○	○	Master Volume
	11	○	○	Express Control
	64	○	○	Muffler Pedal

	66	○	○	Sustain Pedal
	67	○	○	Soft Pedal
	91	○	○	Reverb
	93	○	○	Chorus
	120	○	○	All Sound OFF
	123	○	○	All Tone OFF
Program Switch Default True #		0-127 0-15	0-15 0-15	(*) (*)
Special System		○	○	
Real-time System	Clock	○	○	
	Commands	○	×	
Auxiliary Logic	Local On-Off	×	×	
Device Information	All Note Off	○	○	
	ActiveSense	○	○	
	Reset	×	×	
NOTES:(*)	Filterable Information			
Mode 1:Omni On,Poly	Mode 2:Omni On,Mono ○=YES			
Mode 3:Omni Off,Poly	Mode 4:Omni Off,Mono ×=YES			

DEMO SONGS LIST

No.	English Name
001	Chopin Fantasy
002	PianoBallad
003	Fountain
004	bach
005	Minuet
006	Love romance
007	Four little swans
008	Puppy Waltz
009	TraditionPiano6
010	Menuett
011	chopinNO.31
012	Arabesque
013	Dolly'sDreaming and Awakening
014	Polonaise
015	Marcia Aiia turca

No.	English Name
016	Baier
017	TraditionPiano4
018	bB Minor Nocturne
019	Lovely home
020	Revolutionary Etude
021	Prelud
022	Dream of doll
023	Turkish march
024	germany ballad
025	sonata-Beethoven
026	say
027	Liuyang River
028	pastorale
029	Nocturne-Chopin
030	Canon

031	The entertainer
032	Sonatina
033	Greensleeves
034	Prelude
035	French old song
036	Mining tea Flapping Butterfly
037	For Elise
038	Moments Musicaux Op.94-3
039	Humoresque
040	Trout
041	caoute Dance
042	Shepherd piccolo
043	Gavotte Dance
044	Minuet
045	Jc bach

046	Ragtimeii
047	Sad people
048	The memory of love
049	Zi Zhudiao
050	Eugenia
051	Fantasize rhythm
052	In rain
053	xz2piano
054	The wing is flied with songs
055	WAHAHA
056	Brave E Lunchun
057	Under the moonlight
058	Little star
059	Deep ocean
060	Let us rowing

061	The Bulltrout
062	pianoDrum
063	Happiness go by

064	Song of Allemande
065	Happy farmer

TOUCH RESPONSE	Graded Hammer Feeling, Advanced multi-layer dynamics curves sensor recognition processing skill, making your performance and expression more easily	EASY	Easy to use Simple and Easy control panel
	MAF Filter Technique (Original sound effect) can create simulated mechanical noise to imitate grand piano and upright piano.	CD	Speaker system is designed according to CD System Technique Standard. The sound is clearer and has more layers. The sound effect is more shocking.
Sample A Technique Harpsichord	Spectral synthesis sampling technique can imitate traditional acoustic grand piano sound effect.	EFFECT	International top DSP processing skill, perfect combination of signal transmitting and post-production, makes your performance more pleasing to ear.

Specification

●**Keyboard:** Fatar 88 Grand-Response Key Trends with hammer action & dynamic curve keyboard

●**Polyphony:** 128(Stereo)；

●**Demo:** 65 classical demos;

●**Dynamics:** 5 kinds of standard piano dynamics curves;

●**Sound:** 31, including 4 folk music and one percussion music;

●**Record Function:** Record and replay, maximum notes for per composition is 12,000. MIDI Record supports 64 tracks, 16 channels. MIDI 0&1 format.

●**Sound Control:** Grand piano tone, Double piano, Dual voice, Double Keyboard, Split point

●**Dual Voice:** String music background, user can edit multiple sound combinations.

●**Split Keyboard:** Double piano, Same range, Split the keyboard into two zones with same pitch, Piano Duet, String ensemble, Wind ensemble, Piano + The violin family, Guitar + Violin performance, multi-combination available.

●**Volume Control:** Master volume, volume can be adjusted when you play in the evening.

●**Transposition:** 25 gears, （0，-/+12）

●**Effect Function:** 0-64 reverb, 0-64 chorus

●**Metronome**：1,2,3,4,5,6,7,8,9

●**Pedal Function:** Imitated grand piano pedal function, soft pedal, selected sustain pedal, sustain pedal

●**USB Jack:** USBMIDI PC Jack, Unlimited composition record storage, Support 64 tracks 16 channels MIDI record, MIDI 0&1, GM International Standard, System unlimited extension and upgrade

●**Jack:** USB Jack, Pedal Jack, Power Jack, Headphone Jack*2, Stereo Line In(*2)/Line Out(*2)

●**W**：70W

●**Voltage:** AC120V

●**Size:**F-10:1355*340*750（mm，L*W*H)

F-20:1366*425*816（mm，L*W*H）

●**Weight:** F-10:45kg F-20:52Kg

●**Accessories:** Power Cable, Warranty Card, Certificate, User Guide

Trobleshooting

Problem	Cause/Action
There is noise when turn on/off the power.	This is normal
After turn on the power, no sound is produced when press the keys.	Please confirm the connection to power is good
The note and its timber are of a little differences under the same patch.	This is normal
When use the sustaining function, some patches are long while others are short.	This is normal
The volume is too low.	Please turn up the the sound by using the volume switch buttom
Pitch from speakers does not match the key played	Please check if the double keyboard mode or transposition mode is on
Nose comes from speakers when near sell phones	This is normal, caused by interferance from mobile signals
When use the mobile phone, there is some noises.	Moblie phone could bring in disturbance. To avoid the noise, turn off the moblie or keep away from the piano.
When play the piano, the pitch is not in accordance with the keyboard.	You may activate the SPLIT mode function. Please turn off it.
Pitches can not be changed when playing the piano, and the pitch is not in accordance with the keyboard.	You may activate the SPLIT mode function and set the split point to the highest level. Turn off the SPLIT mode function and set the split point to the original.
Distortion or intermittent for the demo songs.	Long time playing leads to high temperature of the amplifier, so self— protection system of the circuit board will startup. Turn down the volume or turn off the power for a while then it will return to normal.
Two sounds appear at the same time when playing the piano	You may activate the dual mode function. Turn off it.
Dynamics is not as before	There are four dynamics, including weak, standard, strong and off. You may select different dynamics. Select the dynamics again as per your needs.

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.