

ST-PKB-54

**54 Key Multi-Function LED
Display Keyboard**

USER MANUAL

Caution

Be sure to follow the below warnings to avoid hurting yourself or others and to avoid damage to the equipment.



Warning

- Do not disassemble or modify this instrument. Otherwise, Electric shock, burns, or other harm may be incurred. For all internal inspections and repair, be sure to take this unit to a qualified professional.
- If any wear or damage occurs to the power cord or plug, or you experience any power failures, or you smell an unusual odor, you should immediately turn off the power, remove the plug, and contact your local technician.
- Before cleaning your electric keyboard, be sure to power off and unplug the power cord. Do not operate with wet hands and do not wipe and clean the piano with a corrosive solvent.
- Do not mount the electrical piano on a mobile stand, slanted, or otherwise unstable surface. Otherwise, the piano may fall causing damage to the piano or harm to the user. Be sure to secure the electric piano to the stand with the provided screws.
- Keep the electric piano from rain, wet places, or areas of high humidity. Do not place the following items on the electric piano:
 - Containers full of water or other liquids.
 - Small Metal Objects that can fall into the piano, such as hairpins, sewing needles, coins.
 - Open flames.



Caution

- Avoid placing the piano in the following places to prevent the surface and internal components of the piano from damage:
 - Places of high humidity and dust
 - The kitchen or any other place with fumes.
 - In places of direct sunlight or anywhere else that may cause the instrument to become too hot.
 - Near other electronic appliances, such as the TV, radio, speakers, etc. To avoid electrical noise disturbances.
- Do not place heavy items on the piano and do not press any buttons or keys too hard.
- When not using the piano for long periods, please remove the plug. When removing the plug, be sure to pull it out by the plug and not the wires.
- Be sure to follow all instructions when installing the rack. Make sure to fasten all screws and fasteners.

- When moving the electric piano, lift with at least two people. If you try to move the piano on your own, you may strain yourself or cause damage to the piano.
- Be sure to regularly check that screws remain fastened.
- Do not place power cord near high sources of heat. Avoid over wrapping the power cord. Do not place anything heavy on power cord, and do not place the power cord where people walk.
- Do not play music too loudly for extended periods of time. Be careful with headphones, as loud music will hurt your ears.

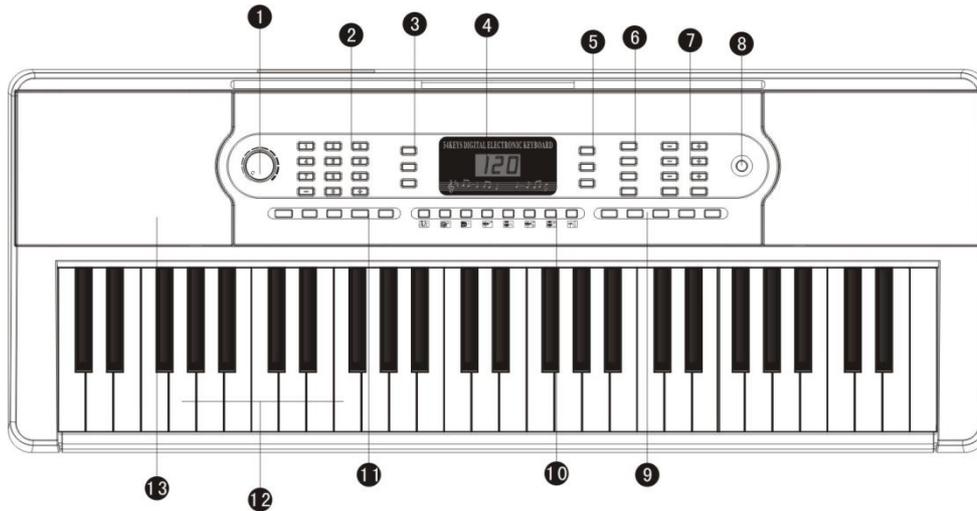
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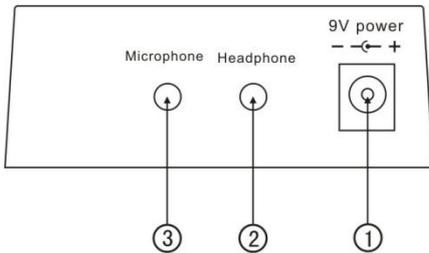
Panel control and external function

Panel control



- | | | |
|----------------------------|---|---|
| 1. Master volume | 6. Keyboard drum/sustain/
vibrato/keyboard split | 10. Panel percussion |
| 2. Digit key 1-9/+, - | 7. Accom volume +/- / tempo +/-
/ tune +/- / transpose +/- | 11. Start/stop/sync/fill in/
single chord/finger chord |
| 3. Voice/style/chord clear | 8. Power | 12. Chord area |
| 4. LED display | 9. Metronome/teaching A/
teaching B/demo all/demo one | 13. Loudspeaker |
| 5. Record/program/play | | |

External Function



1. DC 9V power input
2. headphone output
3. microphone jack

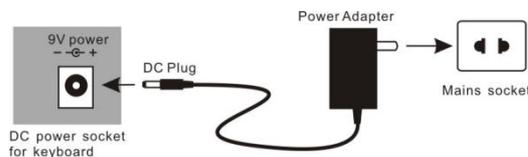
Prepare to play

Power requirement

1. Use of AC-DC power adapter:

Please use the AC-DC power adapter provided with this electronic organ or a power adapter with 9V DC output and 500mA output current and with central a node. Connect the DC plug of power adapter into the DC 9V power socket in the rear of electronic organ, then connect the other end into the main socket (see that the input voltage of power adapter conform to the voltage of electric supply), finally turn on power switch and start performance.

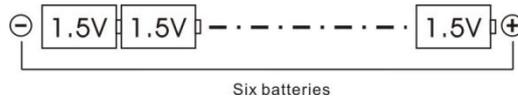
Caution: When you do not use this electronic organ for a long term, you should remove the plug of power



adapter from main socket to avoid possible damage.

2. Battery

Open the battery lid in the bottom of electronic organ and load six 1.5V size D batteries, ensuring the polarity should conform to the direction marked on battery lid. Replace the lid after loading batteries.



Caution: Do not use batteries of different kinds and mix new and old batteries. Low batteries will cause low volume or poor timbre and replace batteries at that time. To avoid possible damage caused by battery liquid leakage, please take out batteries if you will not use the electronic organ for a long term.

Auxiliary socket

1. Use an external microphone

Use the microphone (plug size 3.5mm) insert the microphone interface.

2. Headphone

Put headphones plug into the headphone jack on the back of the keyboard, at this time, the keyboard will automatically cut off the internal speaker. Use headphones to avoid disturbing others, especially for personal and night practice.



Notice: All of the auxiliary equipment is not included with keyboard. Must be purchased separately.

Basic operation

1. Turn on the power:

Connect with the correct installation of the AC power adapter or battery connection; press the "power" button to turn on the power.



2. Master volume control:

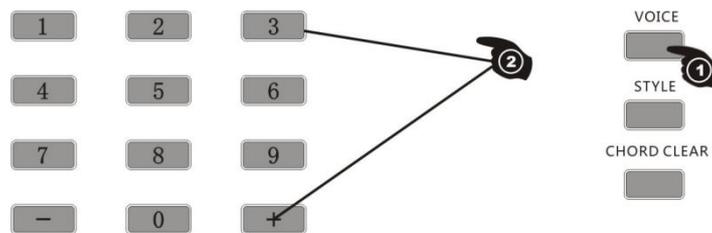
By turning the volume knob to adjust the volume level of the heart, clockwise turn up the volume, adjust the volume rotating in the counterclockwise direction Low volume, adjust the volume and volume changes.



Voice

Voice selection:

There are 160 kinds of voice. The default mode is "voice", if the current mode is not voice; you need to press the "voice" button. Can be entered directly using the numerical digit pad or through the "+/-" button to select the tone.



Effects and control

1. Keyboard drum:

Press the button "keyboard drum" to enter percussion mode. Each key on the keyboard corresponds to a percussion instrument (54 black and white keys corresponding to the 54 kinds of keyboard percussion). Re-press the button to revert to the original mode.



2. Sustain:

Press the "sustain" button to start the action. Any keys pressed in this mode will slowly decay after the key is released. Press "sustain" button again to turn off.



3. Vibrato:

Press the "vibrato" button to start the function. At this time the black and white keys will generate the

vibrato effect, then press again to exit this function.



4. Keyboard split:

Press "keyboard split" \pm to enter the double keyboard mode. The Keyboard will be split into 2 zones. Left 24 keys will have the voice selected prior to splitting. To change the voice of the right portion of the keyboard, use the number keys while in keyboard split mode



5. Tempo:

Press "+/-" button, the tempo can be adjusted for style, metronome, demo. The adjusting range from 30 to 240 bpm. At the same time, press the "+/-" button, to restore the default value of 120.



6. Transpose:

Press the transpose "+/-" button can be used to shift each key up or down a half step up to 3 whole steps. Press "+/-" keys at the same time to automatically return to the default keyboard tone.



7. Tune:

Press the tune "+/-" button, fine tuning the control can be adjusted between plus or minus 99. Press the tuning key, it can increase or decrease, can also return to the preset value



8. Metronome:

Press the "metronome", button; there are 4 kinds of beats for the metronome effect. Each time you press the button: 1/4 film, 2/4 film, 3/4 film, 4/4 film; if the current display speed, press the button to exit the function.



9. Panel percussion:

Press the panel percussion (a total of eight kinds of panel percussion), in response to the percussion performer, according to need to insert the corresponding percussion instruments to increase the performance effect.

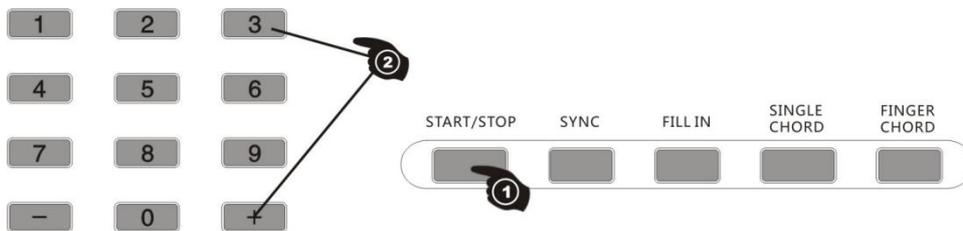
Bass Drum L	Low Tom	Wood Block L	Hand Clap	Hi-Hat Open	Hi-Hat Closed	Snare L	Bass Drum H Soft



Style and style-related functions

1. Start/Stop:

There are 128 kinds of style to choose from. Style comparison table, see Appendix table. Press the "start /stop" button to select. The LED displays show the current number of style, press 0 ~ 9 button or "+ / -" button to select.



2. Sync:

Press "sync" to open the sync accompaniment function, press the 19 keys on the left sync starting style; if the chord function have been start, press this 19 key automatic chord will start simultaneously. if the style is playing, Press this button to stop the style, and open the sync accompaniment function. If you have to start sync function, press this button to exit.



3. Fill in:

When style is playing "fill in" can insert a bridge to enhance performance, and then continue to the original tempo.



4. accompaniment volume:

We have a total of 8 levels of accompaniment volume, the system default is 06, by pressing "+ / -" key accompaniment volume can be adjusted. For adjusting, LED has a corresponding display. At the same time, press the "+ / -" accompaniment volume button, the system will automatically revert.



Chord accompaniment

1. Single chord:

When the style has been launched, pressing "single chord", puts you into a single automatic chord function with the first 19 keys, press the different fingering, seen below you can hear a different chord accompaniment.

Press the "start / stop" to exit.



2. Finger chord:

When the style has been launched, pressing "finger chord", puts you into a finger automatic chord function with the first 19 keys, press the different fingering, seen below you can hear a different chord accompaniment. Press the "start / stop" to exit.



3. Chord clear:

After start of the chord, press "chord clear" the sound of chord accompaniment stop, and continue to play style.



Recording function

1. Press "record" to enter the recording mode, press any key to start recording. The maximum record time is 48 seconds, when shows "FUL" recorded you will not be able to continue to record the next note. Pressing the keys again will start recording and overwrite previous data.



2. Press the "play" button; you can play the recorded music.



3. Press the "program" button, enter the style-programming mode. By pressing the 8 percussion / keyboard editing a style, can record up to 32 drums. press the play button to play when complete the edit. For a new style can adjusting by the speed of "+ / -" to achieve the best effect of the style. Each time you press the button, will remove the last memory and return to the programming mode.



Demo all

Pressing "demo all" will play a demo song and automatically play the next song after.



Demo one

Pressing "demo one" will play a demo song indefinitely. Press again to play the next song.



Teaching function

Press the "teaching A" or "teaching B" to enter the teaching function then press the number keys or the "+/-" button to select different teaching Songs. Reprress to exit. The function of "teaching A": both learning to play correct or not, can send out the right sound, and continue to play the song.



"Teaching B" : follow the display according to the correct notes, play to automatically enter the next note.



Automatic power off function

Within five minutes without any operation, the system will be shuts off. Press any keys to recovery.

Appendix I. The table of voice

NO.	Name of voice	NO.	Name of voice	NO.	Name of voice	NO.	Name of voice
00	Acoustic Grand Piano	40	Violin	80	Lead 1 (square)	120	Guitar Fret Noise
01	Bright Acoustic Piano	41	Viola	81	Lead 2 (sawtooth)	121	Breath Noise
02	Electric Grand Piano	42	Cello	82	Lead 3 (caliope le	122	Seashore
03	Honky-tonk Piano	43	Contrabass	83	Lead 4 (chiff lead	123	Bird Tweet
04	Rhodes Piano	44	Tremolo Strings	84	Lead 5 (charang)	124	Telephone Ring
05	Chorused Piano	45	Pizzicato String	85	Lead 6 (voice)	125	Helicopter
06	Harpsichord	46	Orchestral Harp	86	Lead 7 (fifths)	126	Applause
07	Clavichord	47	Timpani	87	Lead 8 (bass+lead)	127	Gunshot
08	Celesta	48	String Ensemble	88	Pad 1 (new age)	128	Percussion
09	Glockenspiel	49	String Ensemble	89	Pad 2 (warm)	129	Rhythm electric Piano
10	Music box	50	Synth Strings 1	90	Pad 3 (polysynth)	130	Baritone Xylophone
11	Vibraphone	51	Synth Strings 2	91	Pad 4 (choir)	131	Glass instrument
12	Marimba	52	Choir Aahs	92	Pad 5 (bowed)	132	Bright Dulcimer
13	Xylophone	53	Voice Oohs	93	Pad 6 (metallic)	133	Rhythm Grand Piano
14	Tubular Bells	54	Synth Voice	94	Pad 7 (halo)	134	Traditional Piano
15	Dulcimer	55	Orchestra Hit	95	Pad 8 (sweep)	135	Aluminium jean
16	Hammond Organ	56	Trumpet	96	FX 1 (rain)	136	Rock Grand Piano
17	Percussive Organ	57	Trombone	97	FX 2 (soundtrack)	137	Electronic organ
18	Rock Organ	58	Tuba	98	FX 3 (crystal)	138	Psychedelic electronic
19	Church Organ	59	Muted Trumpet	99	FX 4 (atmosphere)	139	Water jean
20	Reed Organ	60	French Horn	100	FX 5 (brightness)	140	Bright Guitar
21	Accordion	61	Brass Section	101	FX 6 (goblins)	141	Orchestra piccolo
22	Harmonica	62	Synth Brass 1	102	FX 7 (echoes)	142	Heavy metal guitar
23	Tango Accordion	63	Synth Brass 2	103	FX 8 (sci-fi)	143	Crystal guitar
24	Acoustic Guitar (nylon)	64	Soprano Sax	104	Sitar	144	Queer electric Piano
25	Acoustic Guitar (steel)	65	Alto Sax	105	Banjo	145	Bright bass
26	Electric Guitar (jazz)	66	Tenor Sax	106	Shamisen	146	Rock Electric Bass
27	Electric Guitar (clean)	67	Baritone Sax	107	Koto	147	Rhythm Electric Bass
28	Electric Guitar (muted)	68	Oboe	108	Kalimba	148	Psychedelic Bass
29	Overdriven Guitar	69	English Horn	109	Bagpipe	149	Heavy metal bass
30	Distortion Guitar	70	Bassoon	110	Fiddle	150	Magic electronic
31	Guitar Harmonics	71	Clarinet	111	Shanai	151	Bright violin
32	Acoustic Bass	72	Piccolo	112	Tinkle Bell	152	Atonic violin
33	Electric Bass(finger)	73	Flute	113	Agogo	153	Heavy bass orchestra
34	Electric Bass (pick)	74	Recorder	114	Steel Drums	154	Synth clarinet
35	Fretless Bass	75	Pan Flute	115	Woodblock	155	Interactive Lead
36	Slap Bass 1	76	Bottle Blow	116	Taiko Drum	156	For the keyboard
37	Slap Bass 2	77	Shakuhachi	117	Melodic Tom	157	Bagpipes
38	Synth Bass 1	78	Whistle	118	Synth Drum	158	Suona
39	Synth Bass 2	79	Ocarina	119	Reverse Cymbal	159	Pipa

Appendix II.The table of style

02	Beat3	34	Dance7	66	Country7	98	Slow_folk
03	Beat4	35	Dance8	67	Slow_country1	99	Step
04	Beat5	36	Dance9	68	Slow_country2	100	Euro_pop
05	Beat6	37	Dance10	69	Soul_country	101	Bachata_beat1
06	Beat7	38	Soul_funk	70	Baiao	102	Bachata_beat2
07	Beat8	39	Euro_soul	71	Bequine	103	Africa_bossanova
08	Beat9	40	Funky_soul1	72	Bolero	104	China_dance
09	Beat10	41	Funky_soul2	73	Bossanova1	105	Pop_beat
10	Beat11	42	Funky_soul3	74	Lambada	106	Vienna_waltz
11	Beat12	43	Funky_soul4	75	Mambo	107	Africa_beat
12	Beat13	44	Funky_soul5	76	Samba	108	Africa_mambo
13	Beat14	45	Slow_soul1	77	Reggae	109	Euro_march1
14	Rock1	46	Slow_soul2	78	Rhumba	110	Euro_march2
15	Rock2	47	Soul	79	Tango	111	Euro_merengue1
16	CntrRock	48	Big_band1	80	Habanera	112	Euro_merengue2
17	CountryRock	49	Big_band2	81	March1	113	Mideast_dance
18	DanceRock	50	Blue_grass	82	March2	114	Africa_dance
19	EasyRock	51	Jazz_samba	83	Polka1	115	Pop_samba1
20	GlamRock	52	Jazz_waltz	84	Polka2	116	Pop_samba2
21	HardRock1	53	Jazz1	85	Polka3	117	Africa_reggae
22	HardRock2	54	Jazz2	86	Vallenato	118	Euro_rhumba1
23	Pop_Rock	55	Swing1	87	Waltz1	119	Euro_rhumba2
24	Rock+Roll	56	Swing2	88	Waltz2	120	India_samba1
25	RockBeat	57	Swing3	89	Waltz3	121	India_samba2
26	RockFolk	58	Country1	90	Pop	122	Jazz_soul
27	RockyPop	59	Country2	91	Love_ballad	123	Country_swing1
28	Dance1	60	Country3	92	EasyBeat	124	Country_swing2
29	Dance2	61	Country4	93	SoftBeat	125	Country_swing3
30	Dance3	62	Country_waltz1	94	Shuffle	126	Pop_waltz
31	Dance4	63	Country_waltz2	95	Cobmo	127	Pop_classic

Appendix III.The table of demo

NO.	Code of song	NO.	Code of song	NO.	Code of song
00	London bridge	17	Hawak kamay	34	Prom Queen
01	Medit	18	Rivermaya	35	Mang jose
02	Twist	19	Butterflies flutter picking	36	Blue Panube
03	Butterfly	20	Mozart Symphony	37	Hawthorn
04	Row your boat	21	Maiden's Prayer	38	Mary had a little lamb
05	Counswg	22	Chopin's Noctnes	39	Yellow ribbon
06	Rain melody	23	Another day in Paradise	40	The toreador's song
07	Seren	24	Red river	41	Radeski march
08	Bulegrass music	25	Green sleeves	42	Merchant
09	Music of the moment	26	Mozart piano sonatas	43	Memories unforgettable
10	Merry Christmas	27	Organ and lemon	44	Katyusha
11	Toreador	28	Hallelujah	45	Susanna
12	Bulaklak	29	Minuet	46	Little star
13	For Alice	30	I taktak mo	47	I don't care
14	I kaw Na Na Nga	31	Ulan	48	G minuet
15	Turkish March	32	Pamela	49	Carmen overture
16	Lullaby	33	Parokya Edgar		

Appendix IV. Trouble and exclude

Faults	Possible causes/resolution
When you turn on the keyboard, it will be some noise.	Do not worry; it's the normal phenomenon.
When you turn on the power switch, play with the keyboard, and its no voice at all.	Check the main volume button if it is in the proper position and headphone jack was connected with other equipment, so that the built-in speaker system cut off.
Distortion sound or interruption, or even can not work at all.	Use unqualified power adapter or the electric power of the battery is not enough, please use the power adapter that equipped with this keyboard or replace the batteries.
The note and the timbre of the note has a slight difference in a tone.	This is normal phenomenon caused by different tone sample diapason.
When use the function of sustain, some tone has long sustain but some has short sustain.	This is normal phenomenon because the best length of the sustain for different tone has been set.
The main volume and the accompaniment volume is abnormal.	Check the main volume and the accompaniment volume are set at the proper position.
In sync function, but the auto accompaniment does not work.	Check whether single chord or finger chord were set. At this situation, play 19keys in the left of the keyboard.
When use the external adapter, put on the power switch, no sound, LCD or LED no display.	Check whether power socket has the electricity, and the power adapter was well inserted, the power jack has the poor contact or the voltage is not enough.
When use the batteries, the keyboard is no sound when put on LED/LCD has no display.	Check whether batteries polarity was correct and the batteries have run out.
The pitch of note is not correct.	Check whether the parameter of transposes is "00".
When use the mobile phone, the keyboard has the noise.	Mobile phone can disturb the keyboard, to avoid the noise, please turn off the phone or use it in far place.

Appendix V. Technical Specifications

■STANDARD

GB8898-2011 GB17625.1-2012 GB13837-2012

■DISPLAY

- LED Display

■voice

- 160 kinds of voice

■Style

- 128 kinds of style

■Demo

- 50 demo songs

■Effect control

- Keyboard drumj、sustain、vibrato、keyboard split、transpose、tune、metronome

■Record program

- Record、play、program

■Percussion

- 8 kinds of panel percussion

■Style control

- Start/stop、sync、fill in、tempo control

■Chord control

- Single chord、finger chord、chord clear

■Intelligent tutoring

- Demo one、demo all、A/B two kinds of teaching function

■Other control

- Power switch、master volume、accomp volume

■External jack

- DC9Vpower input、microphone output、L&G channel audio output

■Diapason

- C2-F6

■Accuracy in musical tuning

- ≤ 5 cent

■Specifications

- 850x330x120(mm)

■Weight

- 5.4Kg

■Adapter

- DC9V 500mA

■Quiescent current

- 100mA

■Parts

- Adapter、music stand、manual