P-20
Digital Portable Piano

OWNER'S MANUAL

Thank you very much for purchasing the Digital Piano.

We recommend that you read this manual carefully so that you can fully take advantage of the advanced and convenient functions of the instrument.
We also recommend that you keep this manual in a safe and handy place for future reference.

Main Features

Full Touch screen button design

88 Note Keyboard With Hammer Action

128 Built In Sounds

Auto Power

MP3 player/Bluetooth

Digital Metronome & Tempo

Transpose

Digital Reverb & Chorus Effects

Headphone Output

USB MIDI Interface

Included Accessories
• Owner's Manual, Music Rest, AC Power Adaptor

Options
• Keyboard Stand L-65B/L-55WH, Pedal Unit (LP-65B/LP- 65WH), Foot Pedal CSP001,
  Headphones (CH-20 / CH-25 / CH-30), AC Power Adaptor

CONTENTS

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING
Please keep this manual in a safe and handy place for future reference.

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

Power Supply/AC Power Adaptor

Do not place the power cord near heat sources such as heaters or radiators. Also, do not excessively bend or otherwise damage the cord, or place heavy objects on it.
- Only use the voltage specified as correct for the instrument. The required voltage is printed on the name plate of the instrument.
- Use the specified adaptor (page 20) only. Using the wrong adaptor can result in damage to the instrument or overheating.
Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.

Do Not Open

- This instrument contains no user-serviceable parts. Do not open the instrument or attempt to disassemble or modify the internal components in any way. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified service personnel.

Handling Caution

- Do not insert a finger or hand in any gaps on the instrument.
- Never insert or drop paper, metallic, or other objects into the gaps on the panel or keyboard. This could cause physical injury to you or others, damage to the instrument or other property, or operational failure.
- Do not rest your weight on, or place heavy objects on the instrument, and do not use excessive force on the buttons, switches or connectors.
- Do not use the instrument/device or headphones for a long period of time at a high or uncomfortable volume level, as this can cause permanent damage to your hearing.

Water / Fire Warning

- Do not expose the instrument to rain, use it near water or in damp or wet conditions, place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the instrument, turn off the power immediately and unplug the power cord from the AC outlet. Then have the instrument inspected by qualified service personnel.
- Never insert or remove an electric plug with wet hands.
- Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.

Location / Placement

- Do not place the instrument in an unstable position where it might accidentally fall over.
- Before moving the instrument, remove all connected cables, to prevent damage to the cables or injury to anyone who might trip over them.
- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet. Even when the power switch is turned off, electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet.
- Use only the stand specified for the instrument. When attaching the stand or rack, use the provided screws only. Failure to do so could cause damage to the internal components or result in the instrument falling over.

Always turn the power off when the instrument is not in use.
Even when the [ ] (Standby/On) switch is in standby status (power lamp is off), electricity is still flowing to the instrument at the minimum level.
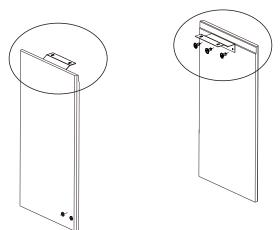*When you are not using the instrument for a long time, make sure you unplug the power cord from the wall AC outlet.*

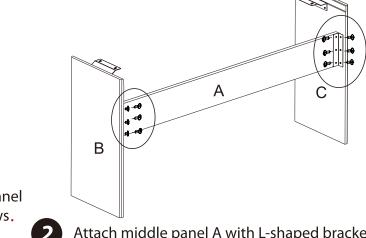# KEYBOARD STAND ASSEMBLY FOR OPTIONAL L-65 STAND & LP-65 PEDAL UNIT

> Be careful not to confuse any of the parts, and be sure to install all parts in the correct direction.
> Please assemble according to the sequence given below.

> Use only the screws provided when assembling the stand. Use of any other screws may result in an inadequate assembly
> that may cause damage to both the keyboard stand and the pedal unit.

> Always use the pedal unit properly installed on the specified keyboard stand. Also make sure to unplug the pedal cord
> when putting the instrument on a desk or table, since leaving it connected can damage the pedal unit.

> Protect the floor by placing a mat or area rug underneath the pedals.
> The pedals may damage the floor after an extended period of time.

> Make sure the stand is sturdy and safe, and all screws have been tight and firm before use. If not, the stand may overturn,
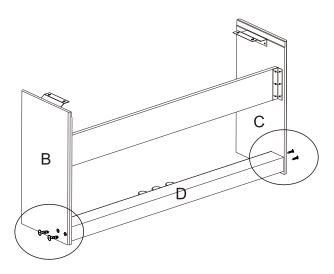> the keyboard may drop, or may result in injury to the user.

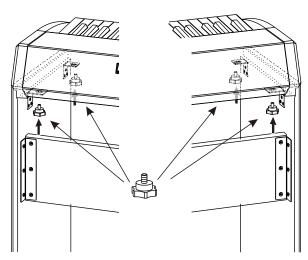> To disassemble, reverse the assembly sequence given below.

Have a Phillips-head(+)screwdriver ready

1 Attach one L-shaped bracket to each side panel
at the pre-drilled position with 3 small screws.

2 Attach middle panel A with L-shaped brackets
to side panels B & C. Use the pre-drilled holes to
position the brackets.

3 Attach pedal unit D to side panles B & C
with 2 long screws on each side

4 After the piano load on the piano stand,tighten
with four strews as above

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OPERATION

POWER ON/OFF

1. Connect the AC power adaptor to the DC IN jack.
2. Plug the AC power adaptor into an AC outlet.
3. Flip the (Standby/On) switch to turn on the power. The power lamp lights up. To turn off the power, flip this switch again.

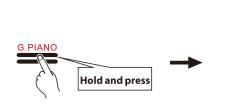Att: Hold and press the power switch for 1.5 seconds to turn on the piano

VOLUME CONTROL

When you start playing, use the [MASTER VOLUME] slider to adjust the volume of the entire keyboard sound.
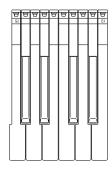
MIN   MAX
MASTER V

VOICE SELECTION

To Select A Voice:
Build in 128 types of voices for selection(Voice list please refer to Page 10)
Hold and press [G.PIANO] button which light will blinking then press the keys
between G2 toE3.For example: if you want to select NO.2 voice,then you can hold and
press [Grand Piano] button, then press Key G2 (Number 0)twice,also Key A3 （number 2）
same operation for select other voices.If you want to return to the Grand Piano voice directly,
then you can press the [GRAND PIANO]button.
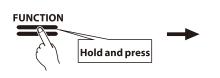
G.PIANO

Hold and press

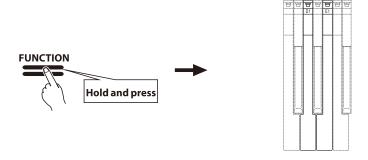## How to use Record

Hold and press [FUNCTION] button which light will blinking then press Key A0， Function will be on ,then what you played will be recorded into the piano. press [FUNCTION] button +Key A0, record function will stop.

Hold and press [FUNCTION] button,which light will blinking then press Key B0， piano will start to play what you just played on the piano.
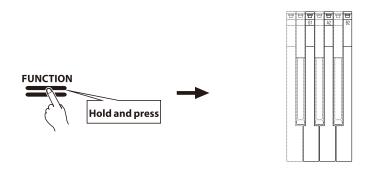
FUNCTION

Hold and press

OPERATION

How to use Transpose function

Build in transpose function,range with -12------+12
Hold and press [FUNCTION] button which light will blinking, press D1or E1 to increase
or decrease the transpose level.

FUNCTION

Hold and press

How to use Touch
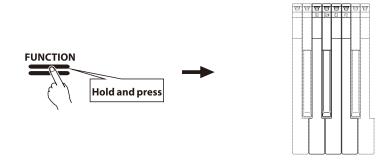
Build in three types of touch for selection
Hold and press [FUNCTION] button which light will blinking press G1,A2 or B2 select
the touch level with Strong, Middle or soft.(G1 for Strong,A2 for middle, B2 for soft)

FUNCTION

Hold and press

How to use Metronome

Quick click [METRONOME] button,function on,[METRONOME] button light will be turn to
red .
Hold and press [METRONOME] button,and press D2,D2#.E2 or F2 to select different type of Beat.
D2=4/4,   D2#=3/4,E2=2/4,F2=1/4

FUNCTION

Hold and press

How to use TEMPO

Build in Tempo FUNCTION with range 20 to 280.
To adjust the tempo, first turn on the metronome, then hold and press [METRONOME],
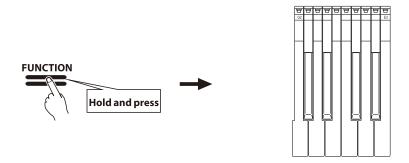then press the keys between G2 to E3.For example if you want to adjust the tempo to 120
hold and press [METRONOME],then press G2#(number 1),A3（number 2）,G2（number0）
For other temple level use the same way of operation .
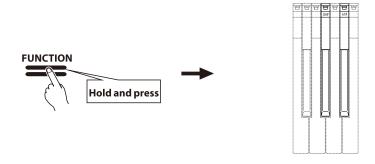
FUNCTION

Hold and press

How to use TUNE

Build in Tune FUNCTION with range -50 to -50
To adjust the tune, hold and press [FUNCTION],which light will blinking then press G6#(decrease)
or A7#(increase)
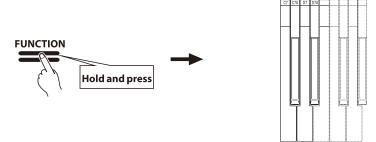
FUNCTION

Hold and press

How to use REVERB

Build in 3 types of reverb for selection, you can also turn off the reverb.
To adjust the reverb, hold and press [FUNCTION]which light will blinkingthen press keys between
C7 to D7# to adjust the reverb (C7 for reverb off,C7#for reverb 1, D7 for reverb 2, D7# for
reverb 3)
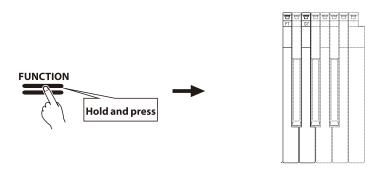
FUNCTION

Hold and press

How to use DUAL

Build in DUAL FUNCTION .
To adjust the DUAL, hold and press [FUNCTION]which light will blinking press Key F7or G7
to turn on or turn off the function of Dual.(F7 for off,G7for on).when function of Dual on,
hold and press [FUNCTION]button, and press the keys between G2 to E3 to select the
voice you prefer.

FUNCTION

Hold and press
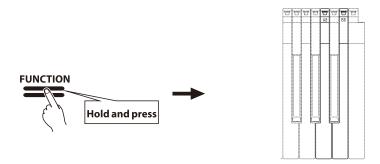
How to use AUTO POWER

Build in AUTO POWER FUNCTION .
To adjust the AUTO POWER, hold and press [FUNCTION]which light will blinkingpress Key b8
to turn on the function of AUTO POWER.Then if the piano without playing more than one
hour then piano will auto power off.
hold and press [FUNCTION]which light will blinkingpress A8 AUTO POWER function will
be off ,then piano will always be on.

FUNCTION

Hold and press

OPERATION
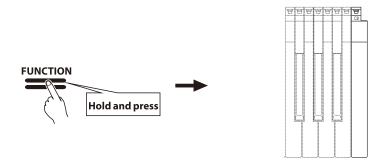
How to use LOCAL CONTROL
Build in LOCAL CONTROL FUNCTION .
This function specially for professional MIDI editor
To adjust the local control function, hold and press [FUNCTION]which light will blinking
press Key C8 to turn on the function of Local control ,at this time piano will be still working
but no sound.To turn off the function of local control,you can hold and press [FUNCTION],
other buttons light off, press key C8,then piano will have the sound.
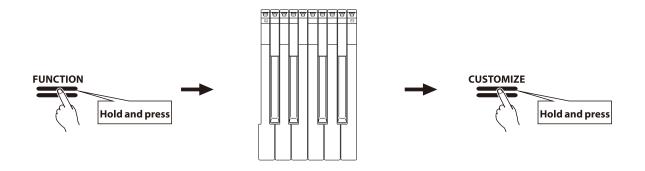
FUNCTION
Hold and press

C8

How to use Customize
Build in Customize FUNCTION .
This function is for customer to save a sound a favorite voice for quick selection.
 Hold and press [FUNCTION] button, other buttons will light off, then press the keys
between G2 toE3.For example: if you want to select NO.2 voice, then you can hold and
press [FUNCTION] button, then press Key G2 (Number 0)twice,also Key A3 （number 2）
Then hold and press the [Customize] BUTTON for one second ,No 2voice will be saved.
for future use, if you want to play this voice ,then only need to quick click [customize]
If you want to save other voices then doing the same way as above

FUNCTION
Hold and press

G2   E3

CUSTOMIZE
Hold and press

OPERATION

MP3 USB MEDIA PLAYER AND RECORDER

This Digital Piano is equipped with a USB MP3 media player and recorder. You can use the media player and recorder with a standard formatted USB pen drive with a size of up to 8GB (pen drive not included).

If you want to playback your favourite songs on the Digital piano, use your computer to copy the MP3 files onto the pen drive.

Insert your USB pen drive into the USB jack socket located at the right side of the front panel on your digital piano. The music playback will automatically start if there is music already loaded onto the drive.

Using the MP3 Media Player/Recorder is simple :

1. **MODE（Optional）**

   Press this button to use the f unction of Blue-Tooth,you can turn on your mobile phone and connect with the piano by Blur tooth to play the musical songs. Press again then it will disconnect the Blue tooth and change to the mode of USB device.
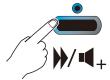
2. **PREV/V-**

   Press this button to skip the playback to the previous song.
   Hold this button to decrease the MP3 player playback volume

3. **NEXT/V-**

   Press this button to skip the playback to the next song
   Hold this button to increase the MP3 player playback volume

4. **PLAY/PAUSE**

   Press this button to playback or pause the Mp3 music.
   Hold this button to change the playback mode from Mp3 files to your own recorded music

5. **REC**

   Press this button one time to start a recording. The LED indicator above the button will start blinking during record. Press the [REC] button again to stop recording. Hold this button to delete your recording.

You can record as many tracks as you like.

Please unplug the USB pen drive when you have finished playing the piano.

TECHNICAL SPECIFICATIONS

Keyboard: 88keys dynamic hammer action

Polyphony: 92

Voices: 128

Demo：100

Touch：3 types

Metronome: 1/4,2/4,3/4,4/4

Tempo: 20-280

Transpose: -12---+12

Tune: -50----+50

Dual: on/off

Local control :on/off

MP3 player/ Blue-tooth

AUTO POWER

Customize

Connectors: Headphone/ USB /USB-MIDI/AUDO INPUT/POWER

Power:25w+25w

Weight: 22KGS(Piano On ly),36KGS（Piano+Stand）

Accessaries:Manual/Adaptor/Screws

VOICE LIST

NO.	Name	Name on Display	NO.	Name	Name on Display	NO.	Name	Name on Display
1	Acoustic Grand Piano	GrandPno	44	Contrabass	Cnt Bass	87	Lead 7 (fifths)	5th Lead
2	Bright Acoustic Piano	BritePno	45	Tremolo Strings	Str trem	88	Lead 8 (bass+lead)	BassLead
3	Honky-tonk Pianoo	HnkyTonk	46	Pizzicato Strings	Str Pizz	89	Pad 1 (new age)	New Age
4	Electric Grand Piano	E.G.Pno	47	Orchestral Harp	Harp	90	Pad 2 (warm)	Warm Pad
5	Electric Piano1	ElecPno1	48	Timpani	Timpani	91	Pad 3 (polysynth)	PlySynth
6	Electric Piano2	ElecPno2	49	String Ensemble 1	Strings1	92	Pad 4 (choir)	ChoirPad
7	Harpsichord	Harpschd	50	String Ensemble 2	Strings2	93	Pad 5 (bowed)	BowGlass
8	Clavichord	Clavi	51	Synth Strings 1	Str Syn1	94	Pad 6 (metallic)	MetalPad
9	Celesta	Celesta	52	Synth Strings 2	Str Syn2	95	Pad 7 (halo)	HaloPad
10	Glockenspiel	Glocken	53	Choir Aahs	ChoirAah	96	Pad 8 (sweep)	Sweep
11	Music box	MusicBox	54	Voice Oohs	VoiceOoh	97	FX 1 (rain)	Rain
12	Vibraphone	VbPhone	55	Synth Voice	VoiceSyn	98	FX 2 (soundtrack)	SoundTrk
13	Marimba	Marimba	56	Orchestra Hit	Orch Hit	99	FX 3 (crystal)	Crystal
14	Xylophone	Xylophon	57	Trumpet	Trumpet	100	FX 4 (atmosphere)	Atmosph
15	Tubular Bells	TubBells	58	Trombone	Trombone	101	FX 5 (brightness)	Bright
16	Dulcimer	Dulcimer	59	Tuba	Tuba	102	FX 6 (goblins)	Goblin
17	Hammond Organ	HamndOrg	60	Muted Trumpet	Mute Tpt	103	FX 7 (echoes)	Echo
18	Percussive Organ	Perc Org	61	French Horn	Fr Horn	104	FX 8 (sci-fi)	Sci-Fi
19	Rock Organ	Rock Org	62	Brass Section	BrassSec	105	Sitar	Sitar
20	Church Organ	ChrchOrg	63	Synth Brass 1	BrasSyn1	106	Banjo	Banjo
21	Reed Organ	ReedOrgn	64	Synth Brass 2	BrasSyn2	107	Shamisen	Shamisen
22	Accordian	Acordion	65	Soprano Sax	SopraSax	108	Koto	Koto
23	Harmonica	Harmnica	66	Alto Sax	Alto Sax	109	Kalimba	Kalimba
24	Tango Accordian	TgAccord	67	Tenor Sax	Teno Sax	110	Bagpipe	Bagpipe
25	Acoustic Guitar (nylon)	GtrNylon	68	Baritone Sax	Bton Sax	111	Fiddle	Fiddle
26	Acoustic Guitar (steel)	GtrSteel	69	Oboe	Oboe	112	Shanai	Shanai
27	Electric Guitar (jazz)	Gtr Jazz	70	English Horn	Eng Horn	113	Tinkle Bell	TinkBell
28	Electric Guitar (clean)	GtrClean	71	Bassoon	Bassoon	114	Agogo	Agogo
29	Electric Guitar (muted)	GtrMuted	72	Clarinet	Clarinet	115	Steel Drums	SteelDrm
30	Overdriven Guitar	GtrOvrdr	73	Piccolo	Piccolo	116	Woodblock	WoodBlk
31	Distortion Guitar	Gtr Dist	74	Flute	Flute	117	Taiko Drum	TaikoDrm
32	Guitar Harmonics	GtrHarmo	75	Recorder	Recorder	118	Melodic Tom	Melod Tm
33	Acoustic Bas	Aco Bass	76	Pan Flute	PanFlute	119	Synth Drum	SynthDrm
34	Electric Bass (finger)	Fig Bass	77	Bottle Blow	Btl Blow	120	Reverse Cymbal	RevrsCym
35	Electric Bass (pick)	PickBass	78	Shakuhachi	ShkHachi	121	Guitar Fret Noise	GtrNoise
36	Fretless Bass	Fre Bass	79	Whistle	Whistle	122	Breath Noise	Breath
37	Slap Bass 1	SlapBas1	80	Ocarina	Ocarina	123	Seashore	SeaShore
38	Slap Bass 2	SlapBas2	81	Lead 1 (square)	SqurWave	124	Bird Tweet	BrdTweet
39	Synth Bass 1	SynBass1	82	Lead 2 (sawtooth)	SawTooth	125	Telephone Ring	TelPhone
40	Synth Bass 2	SynBass2	83	Lead 3 (calliope lead)	Calliope	126	Helicopter	Helicptr
41	Violin	Violin	84	Lead 4 (chiff lead)	Chiff	127	Applause	Applause
42	Viola	Viola	85	Lead 5 (charang)	Charang	128	Gunshot	GunShot
43	Cello	Cello	86	Lead 6 (voice)	VoicLead			