WELCOME...

To the happy family of electronic musical instrument owners! To get the most out of the many features and functions of the keyboard, please be sure to read carefully this manual and keep it at hand for future reference.

MAIN FEATURES

● 88-key standard piano touch response keyboard.

● 163 different kinds of well-chosen voices, including 4 voices of Chinese folk instruments(Trichord, Gu-Zheng, Erhu, Suona)

● Including 100 popular accompaniment styles in the world. Each style has its own intro and main (A, B), variation and ending.

● 24 types of commonly-used voices and 24 types of commonly-used styles for rapid choice.

● With 9 groups of percussion instrument and a special-effect-voice group, including a group of Chinese traditional percussion instrument.

● Song Recording function can record one accompaniment track and two melody tracks.

● Soft LCD back light makes the piano more luxurious.

● Be able to synthesize certain digital effects like the reverb、chorus、and 3 D stereo effect, which could create various sound field effects.

● Functions like minus channel, repeat playback, fast forward fast withdraw are excellent for teaching and practising.

● Be able to record 5 user songs, keeping track of your performance.

● 22 demonstration songs, making great contributions to lifting your performance level.

● Memory Bank can reserve at most 8 panel parameter settings and each setting can be recalled whenever you want.

● MIDI function makes this instrument able to connect to any other standard MIDI system.

CONTENT

SAFETY PRECAUTIONS···

■ Locations:
  - Avoid exposure to sunlight.
  - Do not place the item in or near overheated places like car or oven for a long time.
  - Do not place the item in places of moisture, dirty and vibration.
  - Do not place the item near facilities with strong electromagnetic such as television and radio.

■ Avoid strong crash and scratches with hard object.

■ Turn off the power supply when not in use. If the item is not in use for a long time, please plug out the power supply cable to avoid any accident.

■ Cut the power supply if any of the followings occur:
  - Power supply cable is damaged.
  - Fluid is splashed into/onto the item.
  - Thundering.

■ When cutting the power supply, plug out the power socket, rather than pull the cable.

■ When connecting to an external power supply, mind the maximum rated power.

■ Clean the item with soft and clean cloths. Few amounts of neutral cleanser could be used, but never use solvents which would damage the finishing of the piano, such as alcohol, benzene, paint, or diluent.
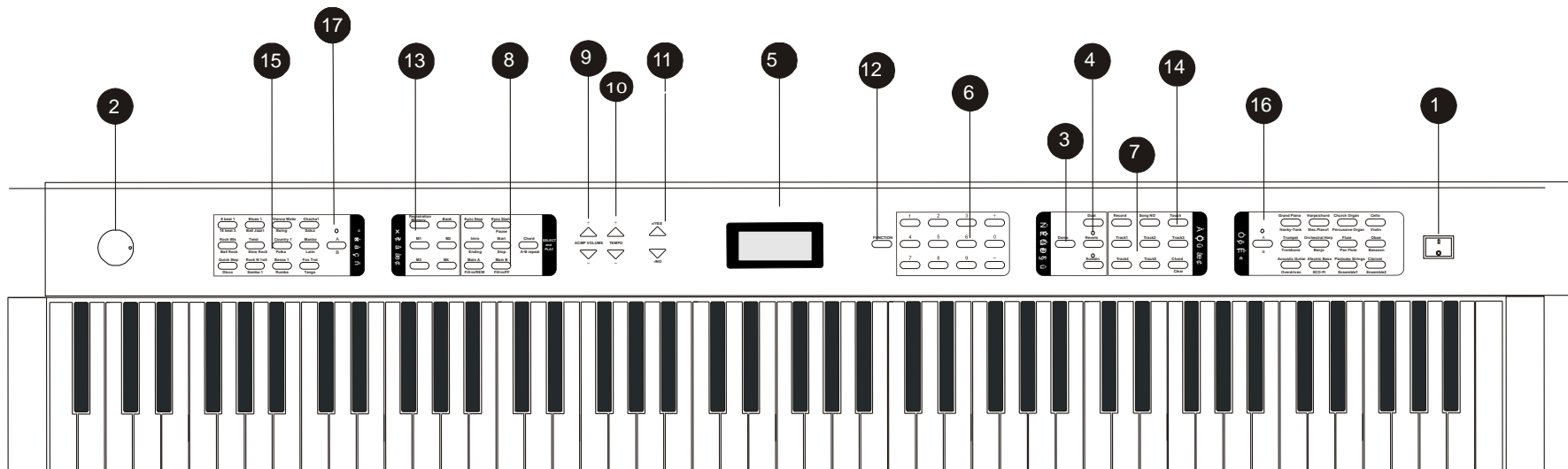
■ Control Board：

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❷ MASTER VOLUME dial .... P. 7

❸ DEMO button .... P. 7

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- REVERB button P.15
- DUAL button P.12
- SUSTAIN button P.13

❺ LCD screen P.11

❻ Number buttons[0-9] and [+/YES],
  [-/NO] buttons P.13

❼ SONG MEMORY P.25

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- Sync Start/Stop P.22
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External Terminals

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BACK BOARD

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20 21

BACK BOARD

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FOOT SWITCH

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24

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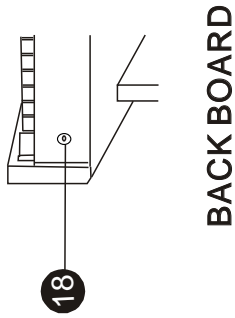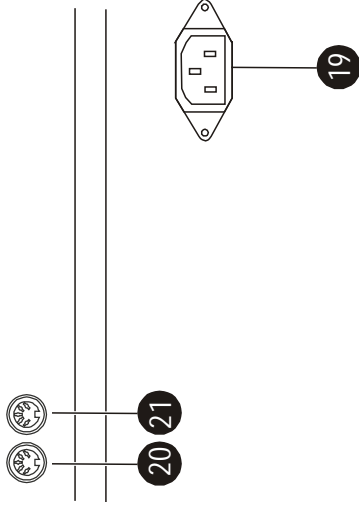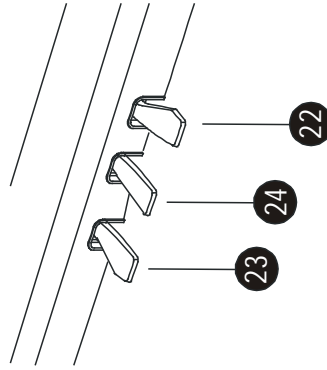
■ Front Panel

⑱ Headphone / Auxiliary Output ············· P. 8

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㉒ Sustain Pedal ············· P. 22

㉓ Sostenuto Pedal ·············P. 22

㉔ Soft Pedal ············· P. 22

PREPARATIONS

■ **Setting Up**
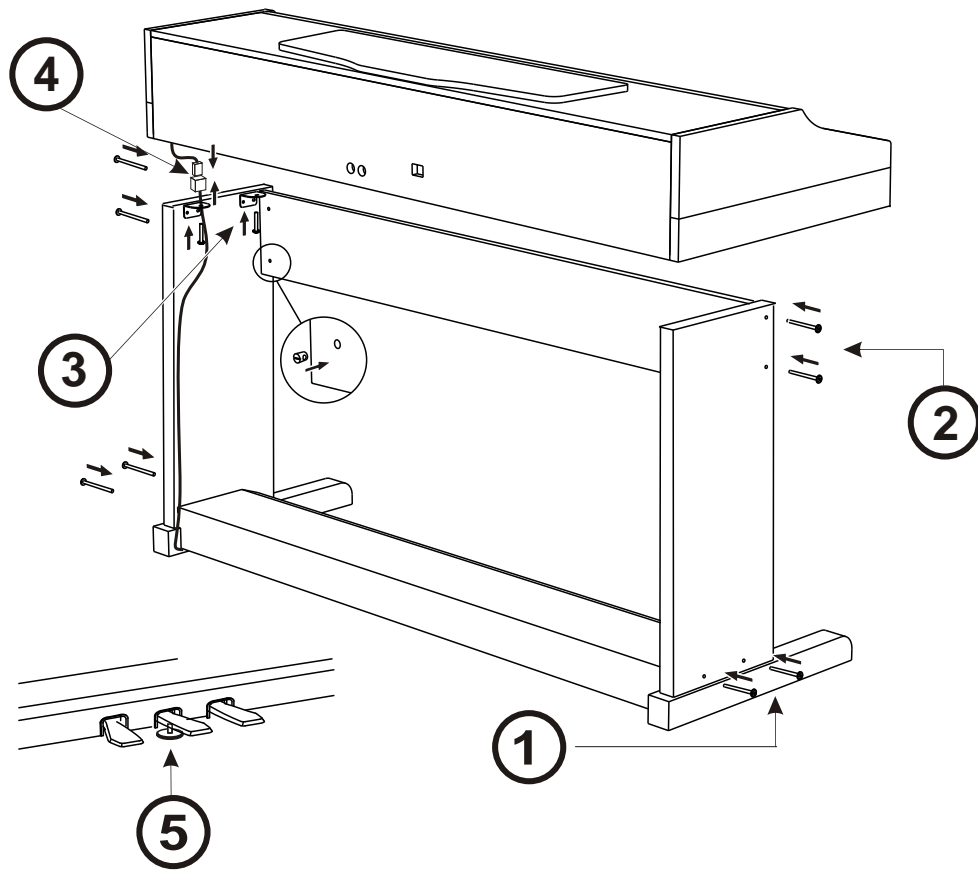
1.Fix the left and right feet on the ground board with 4 black screws at each side.

2.Fix the left and right feet on the front panel with 4 black screws at each side.

3.Place the body onto the plank, and fix it with 4 zinc-gilded screws at each side as shows in the illustration.

4.Connect the cable of foot switch with the plug cable (As shown in the illustration).

5.Move the screw between the sustain pedal and damper pedal right onto the ground, in order to pin up the pedal.

■ Earphone and Audio output

PHONES/
OUTPUT
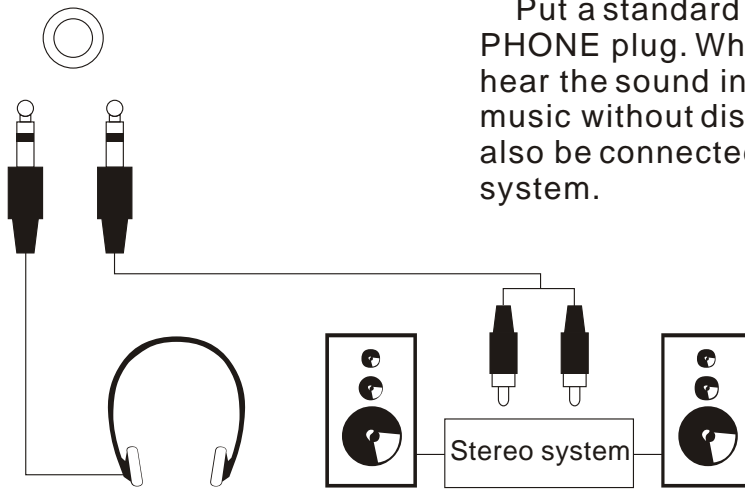
Put a standard earphone to connect the keyboard's PHONE plug. While connection is made, you may only hear the sound inside the earphone and practice the music without disturbing the others. This plug can also be connected to the speaker to have a stereo system.

Stereo system

■ MIDI input/output
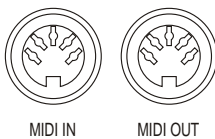
MIDI IN   MIDI OUT

MIDI IN
Receive MIDI Data from the outside devices connected (e.g. Sequencer)

MIDI OUT
Send MIDI Data of this keyboard

LISTENING TO THE DEMO SONGS

After installation, you can play its demonstration songs, just to experience its excellent performance. There are 22 Demo songs.

• **1. Tune on the POWER**

Before connecting to the alternating current, be sure to set the [POWER] switch to 0 position. Plug the power supply output into the AC socket, then connect the power supply input to the alternating current. Finally press down the 1, then the screen show [001].

POWER

• **2. Adjust the MASTER VOLUME dial to 1 / 4 circle. You can also adjust it during playback**

MIN   MAX
MASTER VOLUME
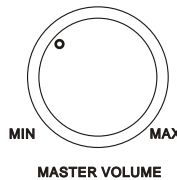
Note: during normal performance, the master volume should be set to max. 2/3 position, as some voices will distort if the volume is over 2/3.

• **3. Press the [DEMO] button**

Press the [DEMO] button, this piano will play all the demo songs automatically. The screen shows [E.0.1.]. The songs will be played in order and circularly before being stopped.
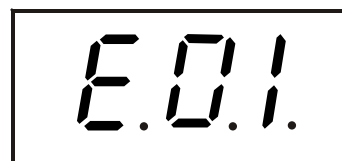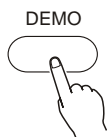
DEMO

- **4.To Select other demos**

  During the demo playback, you can use [+/YES] and [-/NO] or the number pad to select other demo songs.

  Press [PLAY/STOP] button, and this instrument will play from the beginning of the song you have selected.

```
E.2.2.
```

1	2	3	+/YES
4	5	6	0
7	8	9	-/NO
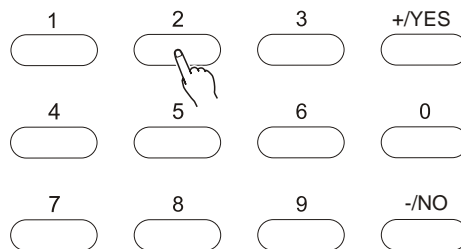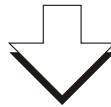
- **5.Quit**

  Press [DEMO] or [PLAY/STOP] button to stop the playback, then press [VOICE] button to return to normal performance.
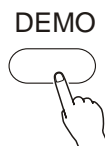
DEMO

NOTICE:

  If you press the [PLAY/STOP] button again after you stopped the playing all the demo songs in order, this instrument only plays the present demo song and stops when the song stops.

FOLLOW THE DEMO SONGS

This instrument offer 3 practise methods.

MINUS CHANNEL MODE

■ Under this mode, the left/right part of the keyboard of the demo could be closed.
J00 - J02 shows the closed channel. Details refer to the table below.
Press the [Function] button to open this function. Press [+/YES] and [-/NO] buttons to close the appointed part.
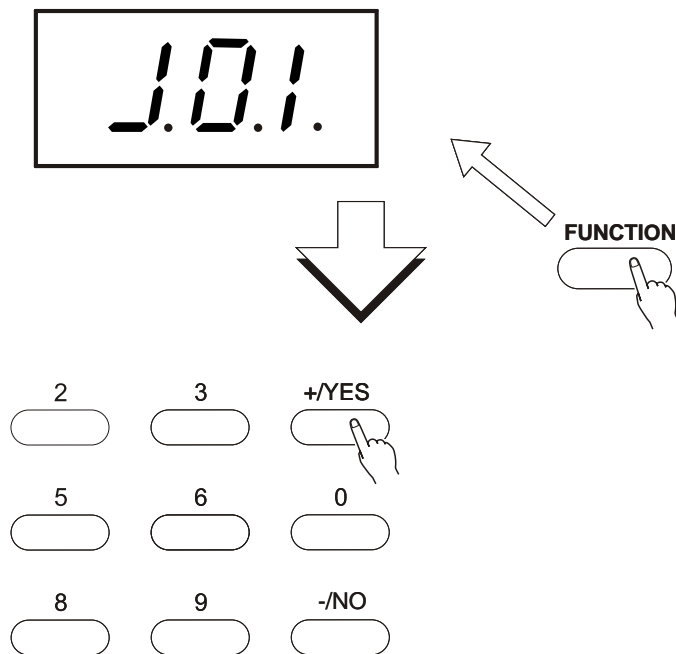
Display	Part Turned Off
J00	Left hand
J01	Right hand
J02	Both hands

Notice:
*.Minus Channel Mode has no effect on the song you record by yourself.

REPEATED PLAYBACK

■ This function lets you repeat a certain part of the song. During playback, press the [REPEAT] button at the beginning of your desired part(A shows in the screen) and press it again at its end(B shows in the screen). Then it can repeatedly play the part you desired until you press the [REPEAT] button again.

Sync Stop　**Sync Start**

Pause

Intro　**Start**　**Chord**

Ending　**Stop**　**A-B repeat**

Main A　**Main B**

Fill-in/REW　**Fill-in/FF**
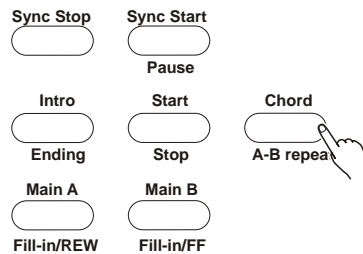
Also you can set the part you want to repeat even if the playback is off. Use measure parameter to set point A and then press the [A-B repeat] button. Then set point B, and press [A-B repeat] button again. Press the[Start/stop] button to start the playback of the part you desired.

Press [A-B repeat] button to close this function.

Notice:
  If you set the point A only, the repetition will start from A to the end.
  For example, you set the point A at measure 2 and point B at measure 8, the repetition will play from measure 2 to 8.

FAST FORWARD/REWIND

■ While playing the demo songs, fast forward and rewind functions can be set according to your needs.
Press [Main A/ Fill in/RW] button to return to the beginning of the demo song
Press [Main B/ Fill in/FF] button to speed up the song playing.

Sync Stop　**Sync Start**

Pause

Intro　**Start**

Ending　**Stop**

Main A　**Main B**

PAUSE

Fill-in/REW　**Fill-in/FF**
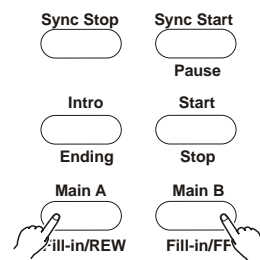
■ While playing the demo songs, you can pause if you like.
Press [SYNC START/ PAUSE] button to pause playback and press again to continue.

Sync Stop　**Sync Start**

Pause
Start

Intro

Ending　**Stop**
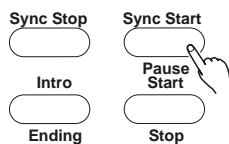
PLAYING THE PIANO

Selecting and Playing a Voice

This instrument comes with 163 built-in voices (01-163) and 10 percussion groups(01-10) for selection. Default voice is Acoustic Grand Piano.

■ *1.*Selecting the normal mode

■ *2.*Selecting the Voice Play function

You have to select the Voice Play Function before performance. The easiest way is to press [VOICE] button. Another approach is to keep pressing the [FUNCTION] button until the screen shows [001], or simply to select the 24 commonly-used voices in the Voice Selecting area. When the indicator of [VOICE] A/B is on, it is the voice below the button that is selected, and vice versa.

+/YES

△

▽

-/NO

0.0.1.
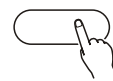
FUNCTION

■ *3.*Selecting a Voice

You can use [+/YES] and [-/NO] buttons or numeric buttons to select any of the 163 voices. The selected voice number shows in the screen.

● [+/YES] and [-/NO] buttonsl
After entering the Voice Play function , the buttons can change the voice number in order, which could be accelerated by holding the button.

3   +/YES

6   0

9   -/NO
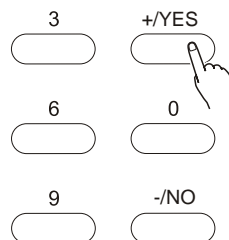
● Numeric buttons

These buttons are used to input the desired voice number. For two-digit numbers (01-99) entries, simply pressing the two numbers in order will be fine. For example, if you want to select voice number 57, you just have to press [5] and [7].
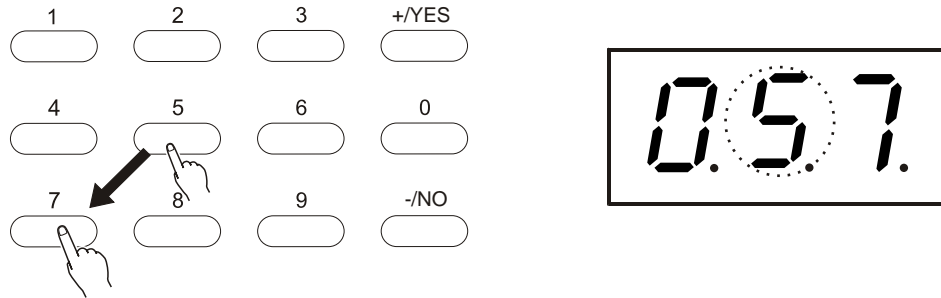
When it comes to three-digit number entry, hold [1] until it appears at hundred place, then input the next two numbers following the same procedure as above.

.
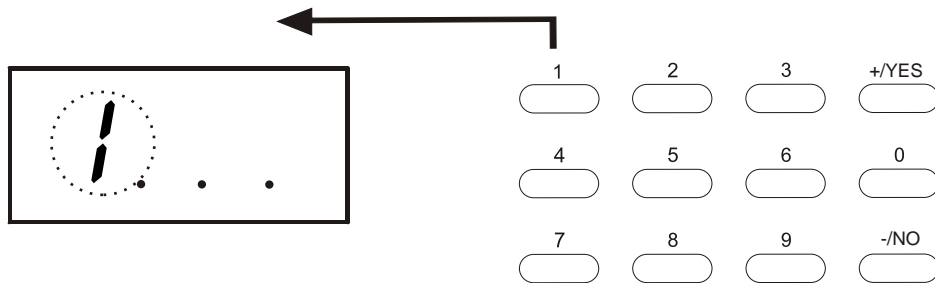
PERCUSSION

Keep pressing [Function] button to voice section. and then use [+/YES] and [-/NO] buttons or numeric buttons to select the one percussion group out of 10 groups. The selected percussion group number shows in the screen. Percussion group number is from 154 to 163.
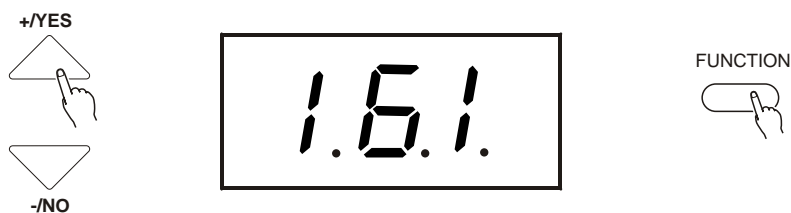
■ PERCUSSION GROUP

01	STANDARD DRUMS	02	CHINESE PERCUSSION GROUPS
03	ROOM DRUMS	04	ROCK DRUMS
05	ELECTRIC DRUMS	06	T808 DRUMS
07	JAZZ DRUMS (same as 01)	08	BRUSH KIT
09	CLASSIC DRUMS	10	SFX KIT

Notice:
*.while selecting the Percussion, you may not use the DUAL and the HARMONY function at the same time. These functions will automatically close.

TOUCH RESPONSE

*. Press the [TOUCH] button may open/close the keyboard touch function. Press the button again to close the function. While the function is is off, the keyboard will produce the same volume to imitate certain instruments without such response, such as organ and ancient pianos.
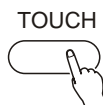
TOUCH

Notice:This function automatically opens when the power switch turns on.

Touch Sensitivity Adjustment

*. Press [TOUCH] button for 3 seconds to enter into touch sensitivity curve selection mode. The initial sensitivity is class 3, then press [+/YES] and [-/NO] buttons to adjust sensitivity parameter. (5 classes, from C00 to C04).

+/YES

-/NO

$\ulcorner 02$
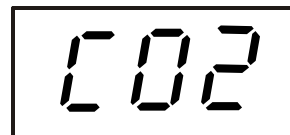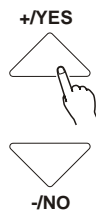
DUAL VOICE

*This function make available the keyboard play two combined voices at the same time.
One voice is selected by the normal function, and the second voice is selected before the
dual voice function is on.*

Press this button to turn on/off the second voice. The display on LED is the voice NO
of the second voice, such as [049].

Dual

Reverb

049

─────── Selecting the relative parameters of DUAL ───────

■ Selecting the DUAL MODE

Press the [DUAL] buttons on the panel, LED shows [049]. Then select the second
voice number with [+/YES] and [-/NO] buttons, The current second voice number
will be displayed on LED.

Notice:
**.Press [FUNCTION] button to edit the settings of the second voice.Press [+/YES] and [-/NO] buttons
at the same to return to the initial setting of the second voice:70.*

*.Percussion can not be applied to Dual.
*.The initial voice number of the second voice is 49.

■ Quit
Press the [DUAL] button or select the other function to quit from this mode.

HARMONY/ECHO

■ Selecting Harmony/Echo function

Press [FUNCTION] button until the LED shows [H00].

$H00$

FUNCTION

──────── Selecting the type of Harmony/Echo ────────

■ Selecting Harmony/Echo function

■ Types of Harmony/Echo

TYPE	EXPLANATION	
01:Duet	Double-voice Harmony, 2nd voice lower than the melody	
02:Octave	Add a bass octave to the melody	
03:Tremolo 1/4	Produce the tremolo 1 / 4	
04:Tremolo 1/6	Produce the tremolo 1 / 6	
05:Tremolo 1/8	Produce the tremolo 1 / 8	
06:Tremolo 1/12	Produce the tremolo 1 / 12	
07:Echo 1/4	Produce the Echo 1 / 4	♩
08:Echo 1/6	Produce the Echo 1 / 6	♪.
09:Echo 1/8	Produce the Echo 1 / 8	♪
10:Echo 1/12	Produce the Echo 1 / 12	♪.

10 kinds of harmony/echo can be selected with [+/YES], [-/NO] or numeric buttons.
H00 means harmony off.

■**Quit**

Press [-/NO] and [+/YES] buttons to close harmony or to select another function
to quit from harmony/echo.

REVERB

■ **Selecting the Reverb function**

Press the [REVERB] button on the panel to open this function, the indicator above the
button is on, and the whole keyboard has reverb effect.

Selecting the type of Reverb

■ **Selecting the Reverb function**

Press the [REVERB] function for 3 seconds, the LED displays as below. You can select
8 reverb types from R01 to R08 with [+/YES] and [-/NO] buttons or numeric buttons.

+/YES

-/NO

r05
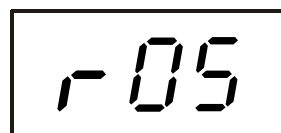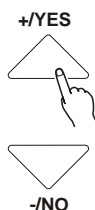
Reverb

Reverb Styles

:

01:ROOM1	02:ROOM2
03:ROOM3	04:HALL1
05:HALL2	06:PLATE
07:DELAY	08:PANNINGDELAY

Notice:

The reverb function is automatically on when the instrument is powered on.

■Quit

Press [REVERB] button to close harmony or to select another function to quit from reverb function.

```
CHORUS
```

■Selecting the Chorus Function

Press [Function] button until the LED shows U00, the chorus function.

+/YES

-/NO

Chorus

Selecting the Chorus Style

CHORUS STYLE

01：CHORUS1	02：CHORUS2
03：CHORUS3	04：CHORUS4
05：FEEDBACK CHORUS	06：FLANGER
07：SHORT DELAY	08：SHORT DELAY WITH FEED-BACK

Select one of the 8 chorus styles(U01-U08) with [+/YES], [-/NO] buttons. U00 means chorus off.

■ Quit

Press [+/YES] and [-/NO] buttons or select other functions to quit from chorus mode.

TRANSPOSE

*.This function can transpose the note up/down one octave by every half note

■ Select transpose function

Hold [Function] button until the LED shows [P00], transpose function.

■ Select the parameters of transpose

Use the [+/YES], [-/NO] buttonsl to select the parameter number(-12, P00, 12), P00 stands for the standard pitch**.**

```
P12
```

3	+/YES
6	0
9	-/NO
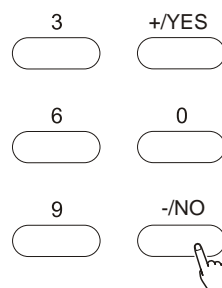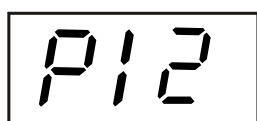
NOTICE:
 *.Press [+/YES] and [-/NO] buttons at the same time and the transpose value will return to 00.
 *.The new transpose value will be applied to the next note played.

TUNING

*. This function determines the exact pitch of main voice and the selected accompaniment bass/chord and the song. Such function enables you to match this unit and the other musical instruments with the exact pitch. Tuning scope is +/-100 (about one semitone).

■ Select tuning function

■ Select the parameters of tuning

Hold [Function] button until the LED shows [d00], tuning function.
Use the [+/YES], [-/NO] buttons to select the parameter number(-100...d00...d99), d00 stands for the standard pitch**.**

```
d99
```

3	+/YES
6	0
9	-/NO
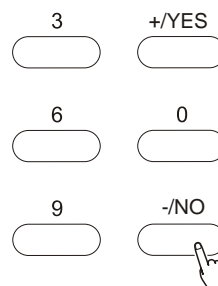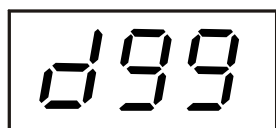
NOTICE:
 *.Press [+/YES] and [-/NO] buttons at the same time and the tuning value will return to 00.
 *.The new tuning value will be applied to the next note played.

KEYBOARD SPLIT MODE

*.*Under this mode, the keyboard split to the right & left hands. Each can play a different Voice.*

Example: SYNTHVOICE/PIANO
This mode splits the keyboard. One range is assigned a synthv voice and other range is assigned a piano voice. The voice of the right hand selects by normal mode. The initial split point is B3 (Note No.55).

■ Press [Keyboard Split] button and the LED shows [55]. Then the keyboard is split into left and right hand, and the indicator above the button is on. You can select right hand voice with [+/YES] and [-/NO] buttons, the voice number will be displayed on LED accordingly.
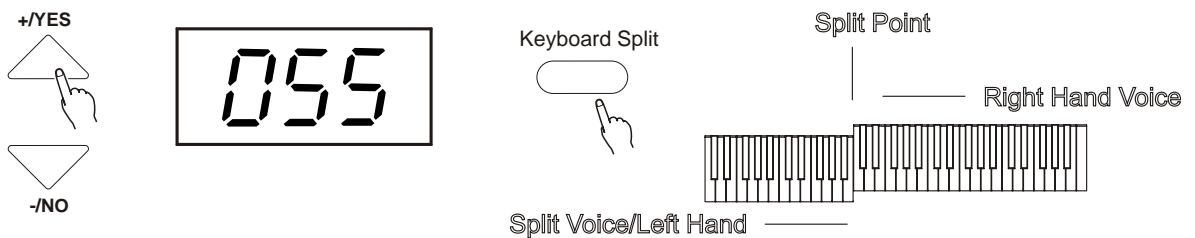
NOTICE
The keyboard Split Mode and Dual Mode can play at the same time. Only the right hand plays the Dual.

PEDALS

*.Sustain Pedal (23): Using this pedal can bring sustain effect to the melody.

*.Soft Pedal (24): Using this pedal can soften the volume of the melody.

*.Sostenuto Pedal (25): Using this pedal can sustain one note or one chord and meanwhile having no effect on other notes.

USING AUTO ACCOMPANIMENT

This instrument comes with 100 built-in styles, providing a complete band or style accompaniment. The auto-played bass and chord could match your performance and personal style perfectly. (When using auto accompaniment, the maximum number of notes played at the same time will be reduced accordingly.)

■ Selecting Chord Accompaniment Mode

When auto accompaniment is on, this function could add bass and chord accompaniment to your performance with fingered chords. Play keys in auto accompaniment area with single or fingered methods, the chords will vary accordingly. Single finger chord is to play the chord with one, two or several fingers, while fingered chord is to play all the chord notes. No matter which method you apply, this unit could recognize the chord and play it.

Keep pressing the [CHORD] button till SINGLE FINGER OR FINGERED appears on the LCD.

Press [Chord] button, LED shows [F02], meaning single finger mode. Press [Chord] button again, LED shows [F03], meaning fingered mode. Press the button again to close chord.

Chord

A-B rep

F.0.2.
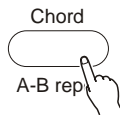
■ *.SINGER FINGER MODE

Under this mode, the chord accompaniment lets you play four types of chords with one or two fingers..

Example   Chord Types
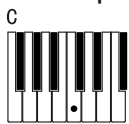
C
Major   Major chord---Press the root note of the chord.
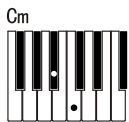
Cm
Minor   Minor chord----Press the root note together with the nearest black key to the left of it.
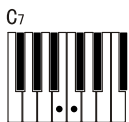
C7
Seventh   Seventh chord----Press the root note together with the nearest white key to the left of it.

Cm7
minor seventh   Minor seventh chord----Press the root note together with the nearest white and black keys to the left of it (three keys altogether).

■ *. FINGERED MODE

Under this mode, the left keyboard(In Style mode, the split point always lays at key no. 54) plays the accompaniment chord. The following chords listed are recognizable. (Take C chords for example, notes in parentheses can be omitted.)

FINGERED

C CM6 CM7 CM7#11

CMadd9 CM9 C69 Caug

Cm Cm6 Cm7 Cm7b5

Cmadd9 Cm9 Cm11 CmM7

CmM9 Cdim Cdim7 C7

C7sus4 C79 C7#11 C713

C7b9 C7b13 C7#9 CM7aug

C7aug Csus4 C1+2+5
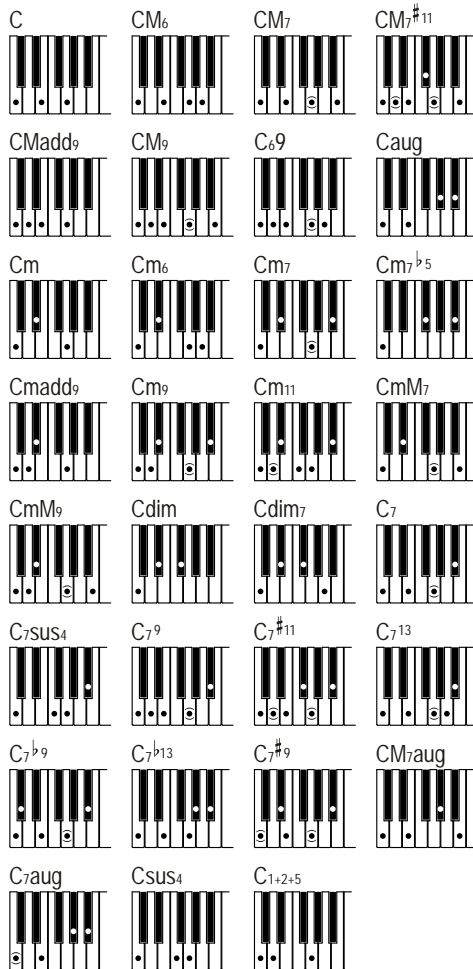
CHORD NAME	ABBREVIATION	
MAJOR	M	1-3-5
MAJOR SIXTH	M6	1-3-5-6
MAJOR SEVENTH	M7	1-3-(5)-7
MAJOR SEVENTH SHARP ELEVENTH	M7#11	1-(2)3#4-(5)-7
MAJOR ADD NINTH	Madd9	1-2-3-5
MAJOR NINTH	M9	1-2-3-(5)-7
MAJOR SIXTH ADD NINTH	69	1-2-3-(5)-6
AUGMENTED	aug	1-3-#5
MINOR	m	1b3-5
MINOR SIXTH	m6	1b3-5-6
MINOR SEVENTH	m7	1-b3-(5)-7
MINOR SEVENTH FLATTED FIFTH	m7b5	1-3-5-7
MINOR ADD NINTH	madd9	1-2-3-5
MINOR ADD NINTH	m9	1-2-3-5
MINOR MAJOR ELEVENTH	m11	1-3-(5)-7
MINOR MAJOR NINTH	mM9	1-2-3-(5)-7
DIMINISHED	dim	1-3-5
DIMINISHED SEVENTH	dim7	1-3-5-6
SEVENTH	7	1-3(5)-7
SEVENTH SUSPEND FOURTH	7sus4	1-4-5-7
SEVENTH NINTH	79	1-2-3-(5)-7
SEVENTH SHARP ELEVENTH	7#11	1-(2)3-#4-(5)-b7
SEVENTH THIRTEENTH	713	1-3-(5)-7 »Ć2-3-5-6-7
SEVENTH FLATTED NINTH	7bg	1-2-3-(5)-7
SEVENTH FLATTED THIRTEENTH	7b13	1-3-5-6-7
SEVENTH SHARP NINTH	7#9	(1)-#2-3-(5)-7
MAJOR SEVENTH AUGMENTED	M7aug	1-3#-5-7
SEVENTH AUGMENTED	7aug	(1)-3-#5-7
SUSPEND FOURTH	sus4	1-4-5
ONE PLUS TWO PLUS FIVE	1+2+5	1-2-5

NOTE:

• *Notes in parentheses can be omitted.*
• *Playing two same root keys in the adjacent octaves produces accompaniment based only on the root.*
• *A perfect fifth (1+5) produces accompaniment based only on the root and fifth which can be used with both major and minor chords.*
• *The chord fingerings listed are all in "root" position, but other inversions can be used with the following exceptions: m7, m7♭5, 6, m6, sus4, aug, dim7, 7♭5, 6(9), 1+2+5.*
• *Inversion of the 7sus4 and m7(11) chords are not recognized if the notes shown in parentheses are omitted.*
• *The auto accompaniment will sometimes not change when related chords are played in sequence (e.g. some minor chords followed by the minor seventh).*
• *Two-note fingerings will produce a chord based on the previously played chord.*

■ Selecting the STYLE Function

Press the [8 Beat 1 button to select this function. This function can also be selected by pressing [FUNCTION] button until the arrow points to STYLE.

8 beat 1	Blues 1	Vienna Waltz	Chacha1	
16 beat	Ball Jazz1	Swing	Salsa	○
Rock 80s	Twist	Country 1	Manbo	A
Ball Rock	Slow Rock	Polka	Latin	B
Quick Step	Rock N'Roll	Bossa 1	Fox Trot	
Disco	Samba 1	Rumba	Tango	

L.0.0.
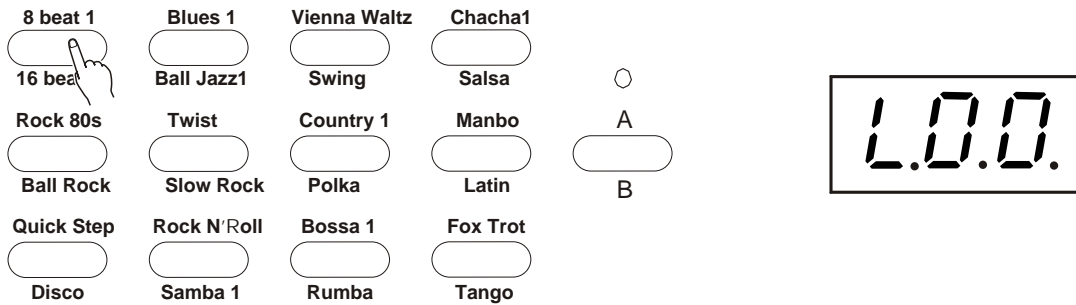
■ Selecting one STYLE

Select one of the 100 styles with [+/YES], [-/NO] buttons or numeric buttons, with the current style and number displayed on LED. Or select directly from the 24 commonly-used styles on the STYLE CHOICE area. When the indicator of A/B is on, the selected style is the one on lower-line of the button, if the indicator is on, then the selected style is on the upper line..

■ Setting the TEMPO

Every Style type has its own Tempo. It displays on the right side of the TEMPO mark. While the Accompaniment is started, this Tempo will not be changed even if you select any other Style at the same time.

Select the Tempo of 40-240/tempi by the TEMPO ▲▼ buttons. Every press to increase one tempi. Keep pressing to quicken the procedure. Press the TEMP ▲▼ at the same time to return to the original tempo.

TEMPO

0.9.4.
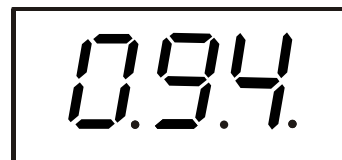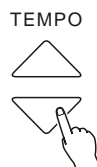
■ Setting the VOLUME

Select the Tempo of 40-240/tempi by the ACMP VOLUME ▲▼ buttons, adjusting scale to be 00~127. Press ▲▼ at the same time to return to the initial volume 60.

ACMP VOLUME

0.6.0.

■ Start the Accompaniment

*.Direct start:

   Press the [START/STOP] button, rhythm will start playing the current choice A or B without Bass or chord.

Sync Stop	Sync Start	
	Pause	
Intro	Start	Chord
Ending	Stop	A-B repeat
Main A	Main B	
Fill-in/REW	Fill-in/FF	
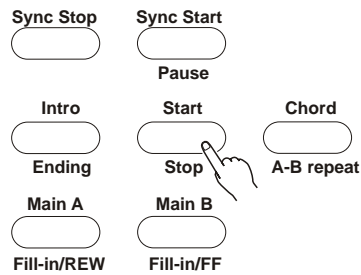
*.Started from Intro, and then play the Main [A]

   Press the [INTRO] button, and then press the [A] to make the light on. (If the light is already on, then you do not have to press this button.)

Sync Stop	Sync Start	
	Pause	
Intro	Start	Chord
Ending 3	Stop 1	A-B repeat
Main A	Main B	
Fill-in/R 2	Fill-in/FF	
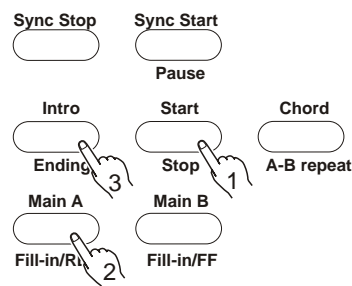
*.Started from Intro, and then play the Main [B]

   Press the [INTRO] button, and then press the [B] to make the light on. (If the light is already on, then you do not have to press this button.)

Sync Stop	Sync Start	
	Pause	
Intro	Start	Chord
Ending 3	Stop 1	A-B repeat
Main A	Main B	
Fill-in/REW	Fill-in/ 2	
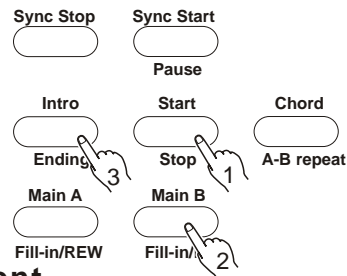
■ Using Auto Accompaniment

This instrument will automatically recognize the chord while you are playing the left part, and it can play the proper bass chord for the current style. Even if your left hand has released the keys, it will still automatically continue playing.
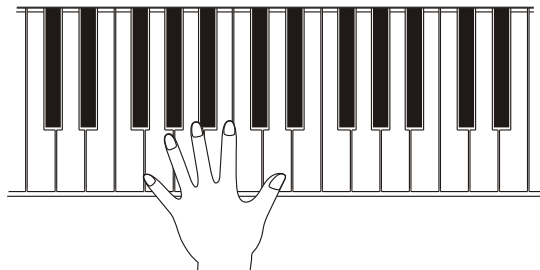
*. SYNC Start

   Press the [SYNC/STOP] button to enable you to play any style of the accompaniment while you first press the Split Point in the left keyboard. 54(F#3).

Sync Stop	Sync Start
	Pause
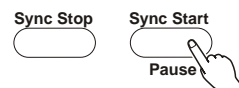
Pressing the [SYNC/STOP] button only makes the accompaniment play after you first press a key on the left hand of the keyboard. Pressing the [SYNC/STOP] button first and then press the [INTRO]& [MAIN] buttons enables you to have the Sync with intro. While selecting the Sync style, tempi light flashes and shows the current tempo. Pressing the [SYNC/STOP] button again before playing will cancel this function.

Notice:
*.While playing, you may also select the [INTRO] button to play Intro.
*. Press the [SYNC/STOP] button to stop the accompaniment and enter into the Synchro.

● **Metronome**

Press [Function] button until the LED shows [N00], metronome function. Then press {+/YES] and [-/NO] button to turn on/off the metronome.

```
 ┌──────────────┐
 │   r.0.0.      │
 └──────────────┘
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Notice:
*.N00 means metronome is off, and N01 means on.
When the instrument is switched on, metronome is off..

■ **Stop Accompaniment**

In single finger or fingered mode, when auto accompaniment stops, play keys on the left hand, the instrument will play proper bass chords with the performance.

■ **Sync Stop**

This function makes it possible that the auto-accompaniment stops/pauses as soon as your fingers leave the auto accompaniment area on the keyboard. Replay the chord to restart auto accompaniment. This function very useful when you want to add dynamic interlude in your performance, for instance, you can stop the style and melody when you play an interlude or solo with your right finger.

● Press [Sync Start] to enter into auto accompaniment, then press [Sync Stop]

Turn on Accompaniment function, press [Chord] button enter into singer finger or fingered mode, play a chord on the keyboard (in the auto accompaniment area). The style and chord are automatically on when playing. Press [Sync Stop] again to turn it off.

Sync Stop   Sync Start

Pause
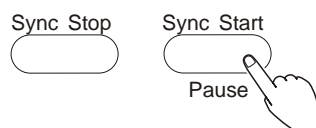
● Release the chord to stop auto accompaniment. Playing the chord again to restart auto accompaniment,

● If you want to close Sync Stop function, just press [Sync Stop] button will do.
Press [Start/Stop] button to close the styles completely.

■ Stop Auto Accompaniment

Press [Start/stop] button to stop accompaniment, or press [ending] and wait till it ends, then the accompaniment will stop. The ending will start from the beginning of the next measure.l
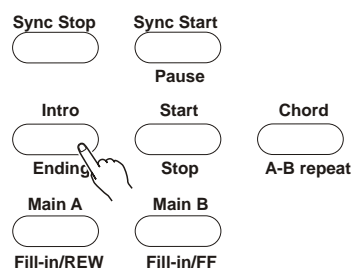
REGISTRATION MEMORY

The memory of this instrument can record 8 parameters of panel setting. It could be recalled at your service.

■ Setting the control buttons

The following setting could be saved.

*. Voice number	*. Style number	*. Touch sensitivity
*. Accompaniment Volume	*. Percussion group	*. Dual parameters
*. Chorus Level	*. Keyboard volume	*. Chorus(style, return level)
*. Tempo, Transpose	*. Reverb level	*. Acmp track data(on/off, Vol,Tone)
*. Mode (Normal; Duel; Fingered; 8 Finger)		

■ Selecting bank

Press [Bank] button, the LED shows [b01]. Use [+/YES] and [-/NO] buttons to select the bank that needs to be saved. There are 8 banks [b01-b08] for your selection..
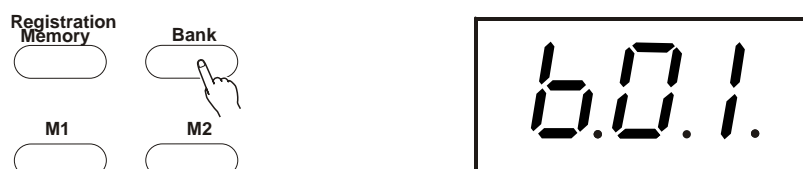
■ Saving current panel setting

■ 2.Registering the setting

while holding down the Memory button, press a memory number button (M1-M4), the LED shows the registration memory number . The new settings will be recorded to the bank, and the LED restores to prior display after showing the registration memory number for a short time.
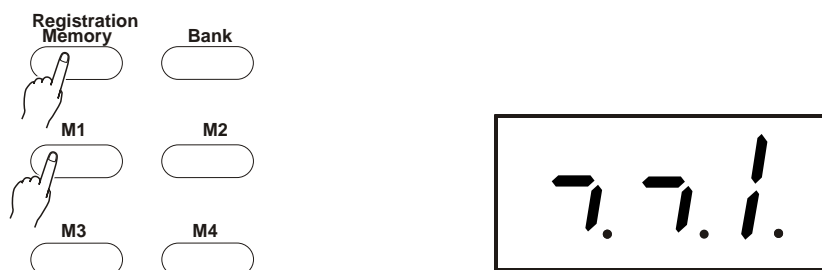
RECALLING THE REGISTERED SETTING

■ Press [Bank] button, select the registration memory bank 1-8 with [+/YES] and [-/NO] buttons or numeric buttons.

Memory   **Bank**
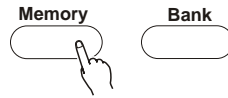
■ Press the memory number that needs to be recalled, and the panel settings are recalled. The LED shows the registration memory number for a short time and restores to its previous display.

Memory   **Bank**

M1   **M2**
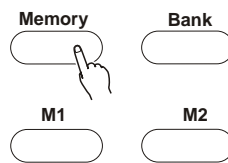
Notice:
*.If no power is provided, the saved data can only be reserved for one week or more. Important data should be stored in other equipment through the function of batch output.

SONG RECORDING

*. Song recording is to record your performance (5 melody parts) and accompaniment(chord part), and save as a song, and replay the song whenever you want. This unit can save up to 5 songs. The song recording function has 8 control buttons: [Song Number] for song selection, [Record] for record preparation, [Track1-5] for melody track selection, and [Chord/Clear] for chord track recording selection or chord track clearance.

As a matter of fact, this function provides with 5 musical tracks available for saving the melody (Melodies in each track can choose different kinds of voices and percussions) and one special track to save the accompaniment (using Style mode or auto bass chord function). Please save the songs with the methods below:
• Save any melody track or chord track. (Single track record)
• When the auto bass chord function is on, save the melody track and chord track together.(Double tracks record)

Song 5
Song 4
Song 3
Song 2
Song 1

| Melody Track 1 |
| Melody Track 2 |
| Melody Track 3 |
| Melody Track 4 |
| Melody Track 5 |
| + |
| Chord Track |
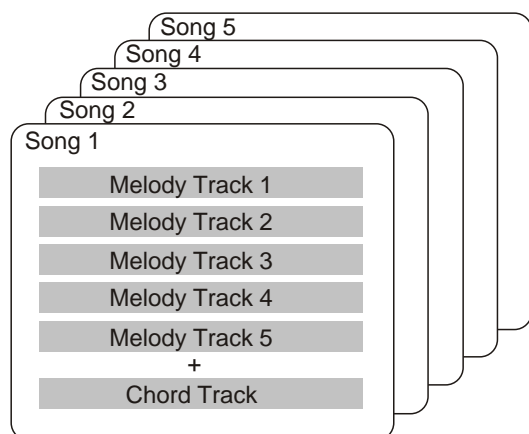
NOTE:
There's no special difference between single-track recording and double-track recording. Even when you record the melody and chord performance by double-track recording, this instrument can automatically separate it into melody track and chord track according to your performance. Thus, you can re-record a certain track (or correct an error) after double-track recording.

In addition, each track can save what stated below
• Melody1-5: the melody played on the keyboard, voice, dual on/off(and the choice of the second voice), dual balance, reverb on/off, sustain on/off, pitch bend roller, touch response on/off, chorus on/off, transpose on/off(with the parameters you've set), and tuning on/off.

• Chord: the chord played on the keyboard (regardless of which auto bass chord you use), Style choice, accompaniment proceeding (intro, fill-in, ending, A/B variation on/off, change of accompaniment volume).

NOTE:
Both the beginning tempo and the tempo change in the recording will be recorded as parts of the song.

RECORDING A USER SONG

■ **The data that can be recorded to normal(melody) tracks**

*. Note ON/OFF   *.Glide
*.Touch ON/OFF and scope   *.Sustain ON/OFF
*. Voice number   *.Tempo, time signature
*. Reverb ON/OFF and scope   (if it is not in the chord track)
*. Chorus style ON/OFF

The data that can be recorded into Chord track

*. Style Number   *. Accompaniment Vol
*. Chord changes and timing   *. Tempo, time signature
*. Section changes(Intro, Main A/B,   *. Reverb scope
  Fill-in, Ending, etc.)

*. *Those settings can only be recorded only once when the music begins, while others can be changed during playing.*

■ **Selecting a Song Number**

Press [Song Number] button, and then press [+/YES],[-/NO] button to select the desired song number.
LED shows [A01]. [A] means user song ,01-04 stands for song number.

Record	Song NO	Touch

$$A01$$

1	2	3	+/YES
4	5	6	0
7	8	9	-/NO

| Track1 | Track2 | Track3 |

■ **Selecting a track number**

While holding down the [RECORD] button，press the appropriate Song Memory button. Melody track 1 to 5 can only be chosen once at a time and the display light of time signature flicks. The track number temporarily appears in the LED before it recovers to Its the previous display.

Record	Song NO	Touch
Track	Track2	Track3

Notice:
Keep in mind that all recording operations replace all the information recorded before. In other words, if you record to a track that already has recorded data, all previous data in the track will be erased and replaced by the newly recorded data.

■Recording to the Chord Track

A special chord track is prepared for recording accompaniment data. This is automatically recorded to the Chord track(track A). Selecting the chord track will also automatically turns on the accompaniment.

● Press [Record] and [Chord] button at the same time, then play a chord in auto accompaniment area, the accompaniment will be on and you can play the song and the chord along with the style and go on with recording.
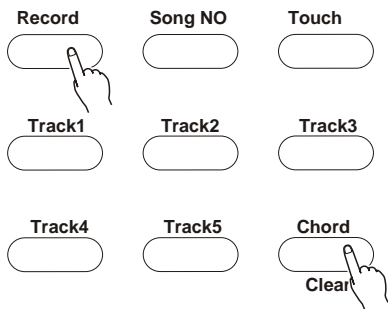
Notice:
User's song No.1-5 can record up to 5 different accompaniment track (accompaniment chord). And the 5 tracks(1-5) of one user song can only use one accompaniment track. If you record on the user song that is already recorded with accompaniment tracks, the new recorded accompaniment will erase and replace the original accompaniment chord.
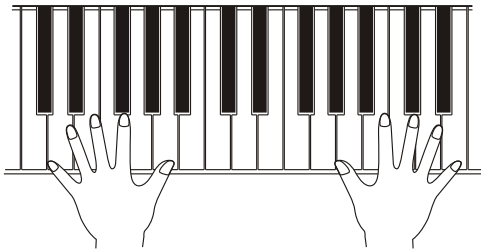
● Stop recording
  Press the [Start/Stop] button, or [Record] button to stop recording.

● Playing the recorded song
  You just need to press [Start/Stop] again to play the recorded song from the beginning, and press once again to stop playing.

Notice:
*.If no power is provided, the recorded data can only be reserved for one week or more. Important data should be stored in other equipment through the function of batch output.

Clear User Songs

Song clearance can delete all the recorded data of the selected song number. Do not use this function unless you are sure to delete one song and record another new one. If you want to delete one track and keep the other tracks intact, please use single chord clearance.

- Clear a user song

  Press [Song No.] Button and choose the song number to be cleared with [+/YES] and [-/NO] buttons. Hold the [Clear] button and the Track number (for instance: A01) at the same time, the LED shows [Cu1]. Press [+/YES] or [-/NO] button to confirm deletion.
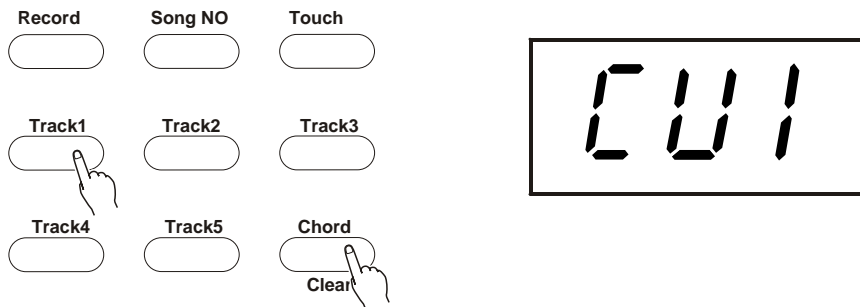
- Clear single track

  Press [Song No.], Then hold the song number that needs to be deleted for 3 seconds, the LED shows [Cl1]. Then press [+/YES] and [-/NO] buttons to confirm.
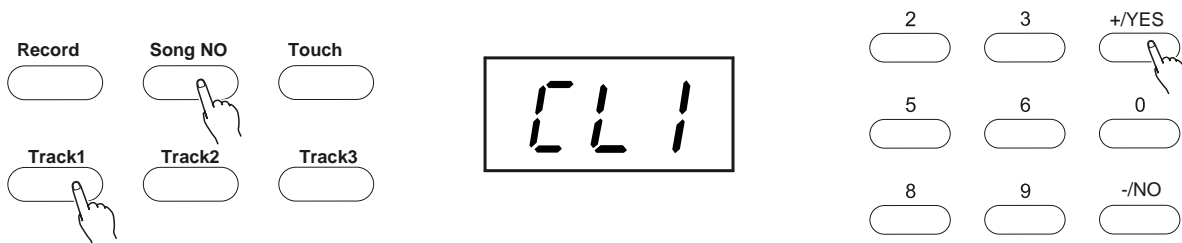
- Clear accompaniment

  Press [Song No.] Button and choose the song number to be cleared . Hold [Chord/Clear] button, the LED shows [CLA] Then press [+/YES] or [-/NO] button to confirm deletion.

Notice:
*.Recording a song will delete all previous information.

WHOLE FUNCTION

Some of the operations in the WHOLE FUNCTION have been introduced before. But some have not. And we are going to introduce the new ones.

What displays in the LED are the abbreviations of the Functions. The following list their full names, display names and parameter extensions.

Function	Display	Extension
Voice	001	001~163
Style	L01	L01~L99
Demo	E01	E01~E22
Minus Off	J00	J00~J02
Harmony	H00	H00~H08, H00 Off
Chorus	U00	U00~U08, U08 Off
Transpose	P00	-12~P00~12
Tuning	D00	-100~D00~D99
Second Voice Volume	70	00~127
Metronome	N00	N00, N01

Notice:
All the above functions can use [+/YES] and [-/NO] button to choose function type.

MIDI FUNCTIONS

This instrument is MIDI-compatible, featuring MIDI IN and MIDI OUT terminals and providing a variety of MIDI-related controls. By using MIDI functions, you can expand your musical possibilities In this chapter, it mainly talks about what MIDI is, what it can do, and as well as how you apply MIDI to this instrument.

WHAT IS MIDI?

No doubt you have heard the terms----acoustic instruments and digital instruments. In the world today, these are the two main categories of musical instruments. Let's consider an acoustic piano and a classical guitar as representative acoustic instruments. They are easy to understand. With the piano, you strike a key, and a hammer inside hits some strings and plays a note. With guitars, you directly pluck a string and the note sounds. But how do digital instruments go about playing a note?

Acoustic guitar note production
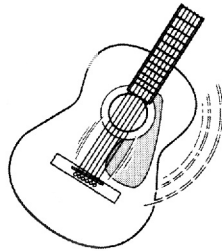
Pluck a string and the body resonates the sound.

Digital instrument note production

Tone Generator (Electronic circuit)

L   R

Sampling note   Sampling note

Playing the keyboard
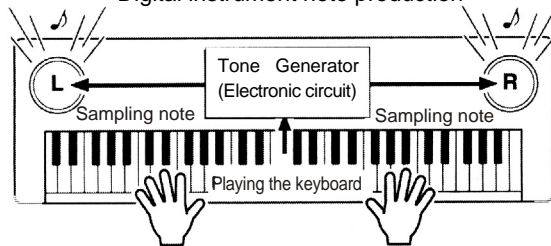
Based on playing information from the keyboard, a sampling note stored in the tone generator is played through the speakers.

As shown in the pictures above, in digital instruments, the sample notes (reserved notes) stored in the tone generator section (electronic circuit) can be played when the information on the keyboard is collected. Then what is the information on the keyboard?
For instance, if you use this instrument to play a C quarter note, unlike an acoustic instrument that puts out a resonated note, it puts out information from the keyboard such as "with what voice", "wth which key", "about how strong", and "when was it pressed" and "when was it released". All the information will be converted to a number value and sent to the tone generator. Based on these data, the music source will adopt stored sample note and play it.

MIDI FUNCTION

MIDI is the abbreviation of musical instruments digital interface. It allows the digital instruments to communicate with each other, by sending and receiving compatible notes, control change and program change, and as well as other types of MIDI data and information.

MIDI is an international standard. It enables all the instruments to connect together, and allows them to control each other and exchange data. That is, it makes all the instruments a system, and greatly enlarges its function.

This instrument can control MIDI device by transmitting note-related data and various types of controller data, and also can be controlled by outside MIDI information, which can automatically decide the music source mode, and choose MIDI track, voice and effect, and change the parameter and as well as perform the appointed voice.

■MIDI Interface

MIDI IN is to receive outside data from other MIDI devices like sequencer in order to control this instrument; MIDI OUT is to send MIDI data (like the note and touch data) from this instrument.

MIDI IN   MIDI OUT

■REMOTE PASSAGE

To set the MIDI passage to receive outside keyboard data, please select 01-16. The outside keyboard must set the source passage from which the data is sent and its MIDI OUT connects this keyboard's MIDI IN by the MIDI cable. When set is OFF, this keyboard will receive from all the16 tracks. Pressing [-/NO] and [+/YES] buttons at the same time can retune to the original setting (OFF).

■KEYBOARD OUTPUT

To determine whether the data output from the MIDI OUT.

CAUTION

Never use MIDI cables longer than about 15m. Cables longer than this can pick up noise which can cause data errors.

CONNECT TO A PERSONAL COMPUTER

By connecting MIDI terminals to a personal computer, you can have access to a wide variety of music software.

• When using a MIDI interface device installed in the personal computer, connect the MIDI terminals of the personal computer and the instrument.

MIDI OUT   MIDI IN

MIDI IN   MIDI OUT

Computer
(Sequencer software)
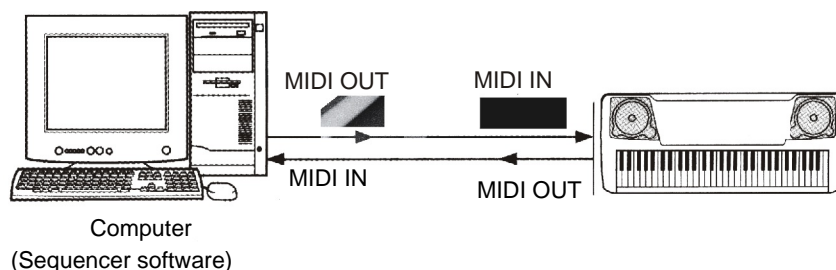
• When using a MIDI interface with a Macintosh series computer, please connect the RS-422 terminal of the computer(Modem port or printer terminal) to the MIDI interface, as shown in the diagram below.

MIDI Interface

RS-422   MIDI IN

MIDI OUT

Computer
(Sequencer software)
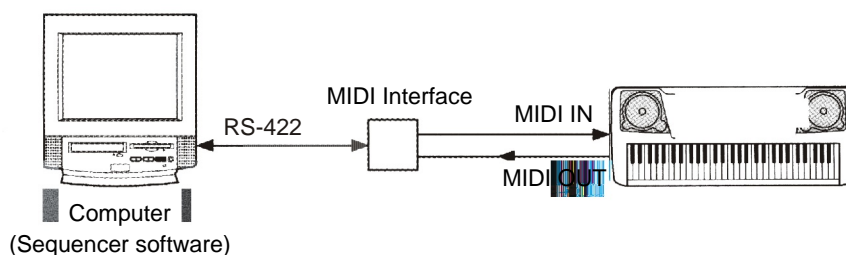
• When connecting to a computer with a USB interface, just use MIDI interface: first use a standard USB cable to connect Ux16 interface to the computer, and then connect this instrument to UX16 interface correctly.

Ux16 Interface   MIDI IN

USB

MIDI OUT

Computer
(Sequencer software)
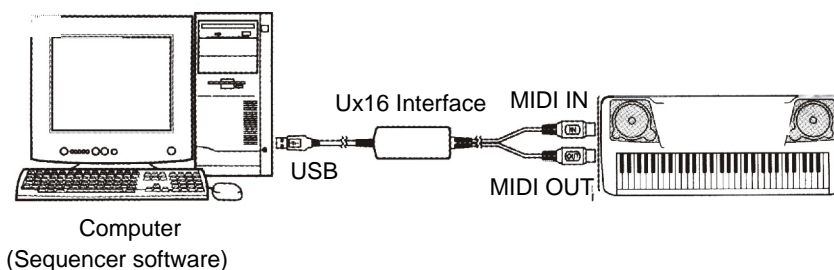
APPENDIX

VOICE LIST

This instrument has 64-note maximum polyphony. This means that it can play a maximum of up to 64 notes at once, including the notes of dual voice, keyboard split, auto accompaniment and stored music files. If the total notes exceed 32, the extra notes will be los (i.e no sound).

Caution: The Voice List includes MIDI program change numbers for each voice. Use these program change numbers when playing this instrument via MIDI from an external device.

Voice No	MIDI No	Name of Voice	中文名称
		PIANO钢琴	
01	0	ACOUSTIC GRAND PIANO	原声大钢琴
02	1	BRIGHT ACOUSTIC PIANO	亮原声钢琴
03	2	ELECTRIC GRAND PIANO	电子大钢琴
04	3	HONKY-TONK PIANO	酒巴钢琴
05	4	ELECTRIC PIANO1	电钢琴1
06	5	ELECTRIC PIANO2	电钢琴2
07	6	HARPSICHORD	拨弦古钢琴
08	7	CLAV1	击弦古钢琴
		CHROMATIC PERCUSSION打击乐器	
09	8	CELESTA	钢片琴
10	9	GLOCKENSPIEL	钟琴
11	10	MUSIC BOX	音乐盒
12	11	VIBRAPHONE	振琴
13	12	MARINBA	马林巴
14	13	XYLOPHONE	木琴
15	14	TUBULAR BELLS	管钟
16	15	DULCIMER	洋琴
		ORGAN风琴	
17	16	DRAWBAR ORGAN	卓芭风琴
18	17	PERCUSSIVE ORGAN	打击风琴
19	18	ROCK ORGAN	摇滚风琴
20	19	CHURCH ORGAN	教堂风琴
21	20	FEED ORGAN	簧片风琴
22	21	ACCORDION	手风琴
23	22	HARMONICA	口琴
24	23	TANGO ACCORDION	探戈手风琴
		GUITAR吉它	
25	24	ACOUSTIC GUITAR(NYLIN)	尼龙弦吉它
26	25	ACOUSTIC GUITAR(STEEL)	钢弦吉它
27	26	ELECTRNIC GUITAR(JAZZ)	爵士电吉它
28	27	ELECTRNIC GUITAR(CLEAN)	清音电吉它
29	28	ELECTRNIC GUITAR(MUTED)	弱音电吉它
30	29	OVERDRIVEN GUITAR	夸张吉它
31	30	DISTOTION GUITAR	失真吉它
32	31	GUITAR HARMONICS	吉它泛音
		BASS 贝司	
33	32	ACOUSTIC BASS	古典贝司
34	33	ELECTRIC BASS(FINGER)	指弹电贝司
35	34	ELECTRIC BASS(PICK)	拨片电贝司
36	35	FRETLESS BASS	无品贝司
37	36	SLAP BASS1	打弦贝司1
38	37	SLAP BASS2	打弦贝司2
39	38	SYNTH BASS1	合成贝司1
40	39	SYNTH BASS2	合成贝司2

Voice No	MIDI NO	Name of Voice	中文名称
		STRINGS 弦乐	
41	40	VIOLIN	小提琴
42	41	VIOLA	中提琴
43	42	CELLO	大提琴
44	43	CONTRABASS	低音提琴
45	44	TREMOLO ATRINGS	震音弦乐
46	45	PIZZICATO STRINGS	拨奏弦乐
47	46	ORCHESTRAL HARP	竖琴
48	47	TIMPANI	定音鼓
		RNSEMBLE合奏	
49	48	STRINGS ENSEMBLE1	弦乐合奏1
50	49	STRINGS ENSEMBLE12	弦乐合奏2
51	50	SYNTH STRINGS1	合成弦乐1
52	51	SYNTH STRINGS2	合成弦乐2
53	52	CHOIR AAHS	唱音 啊
54	53	VOICE OOHS	人声 噢
55	54	SYNTH VOICE	合成人声
56	55	ORCHESTRA HIT	管弦乐齐奏
		BRASS铜管	
57	56	TRUMPET	小号
58	57	TROMBONE	长号
59	58	TUBA	大号
60	59	MUTED TRUMPET	弱音小号
61	60	FRENCH HORN	圆号
62	61	BRASS SECTION	铜管乐队
63	62	SYNTH BRASS1	合成铜管乐1
64	63	SYNTH BRASS2	合成铜管乐2
		REED簧管乐器	
65	64	SOPRANO SAX	高音萨克斯
66	65	ALTO SAX	中音萨克斯
67	66	TENOR SAX	次音萨克斯
68	67	BARTION SAX	低音萨克斯
69	68	OBOE	双簧管
70	69	ENGLISH HORN	英国管
71	70	BASSOON	巴松管
72	71	CLARINET	单簧管
		PIPE木管乐器	
73	72	PICCOLO	短笛
74	73	FLUTE	长笛
75	74	RECORDER	竖笛
76	75	PAN FLUTE	排箫
77	76	BLOWN BOTTLE	吹瓶
78	77	SHAKUHACHI	尺八
79	78	WHISTLE	口哨
80	79	OCARINA	奥卡利那笛

VOICE LIST

Voice No	MIDI No	Name of Voice	中文名称
SYNTH REED 合成管乐器
81	80	LEAD1(WOUARE)	方波管乐
82	81	LEAD2(SAWTIITH)	锯齿波管乐
83	82	LEAD3(CALLIOPE)	蒸汽琴管乐
84	83	LEAD4(CHIFF)	雪坊管乐
85	84	LEAD5(CHARANG)	沙朗管乐
86	85	LEAD6(VOICE)	人声管乐
87	86	LEAD7(FIFTH)	五度管乐
88	87	LEAD8(BASS+LEAD)	贝司管乐
SYNTH PAD合成背景音色
89	88	PAD1(NEW AGE)	新世纪垫
90	89	PAD2(WARM)	温暖音色垫
91	90	PAD3(POLYSYNTH)	聚合成音色垫
92	91	PAD4(CHOIR)	唱诗垫
93	92	PAD5(BOWED)	弓弦音色垫
94	93	PAD6(METALLIC)	金属音色垫
95	94	PAD7(HALO)	环形音色垫
96	95	PAD8(SWEEP)	掠扫音色垫
SYNTH EFFECTS合成效果音色
97	96	FX1(RAIN)	雨
98	97	FX2(SOUNDTRACK)	声轨
99	98	FX3(CRYSTAL)	水晶
100	99	FX4(ATMOSPHERE)	大气
101	100	FX5(BRIGHTNESS)	闪亮
102	101	FX6(GOBLINS)	小妖怪
103	102	FX7(ECHOES)	回声
104	103	FX8(SCO-FI)	科幻
ETHNIC民族乐器
105	104	SITAR	西塔尔
106	105	BANJO	班卓琴
107	106	SHAMISEN	三弦
108	107	GUZHENG	古筝
109	108	KALIMBA	卡林巴
110	109	BAGPIPE	风笛
111	110	ERHU	二胡
112	111	SUONAI	唢呐
PERCUSSION打击乐器
113	112	TINKLE BELL	响铃
114	113	AGOGO	啊果果
115	114	STEEL DRUMS	钢鼓
116	115	WOOOBLOCK	盒梆
117	116	TAIKO DRUM	日本鼓
118	117	MELODIC TOM	旋律鼓
119	118	SYNTH DRUM	合成鼓
120	119	REVERSE CYMBAL	反钹

Voice No	MIDI No	Name of Voice	中文名称
SOUND EFFECT 效果音色
121	120	FRET NOSE	弦马杂音
122	121	BREATH NOISE	呼吸音
123	122	SEASHORE	海滨
124	123	BIRD TWEET	小鸟叫声
125	124	TELEPHONE RING	电话铃
126	125	HELICOPTER	直升飞机
127	126	APPLAUSE	喝彩
128	127	GUNSHOT	枪声
FOLK民乐音色
129	128	YUNLUO	云锣
130	129	GUANMEILANG	甘美郎
131	130	BIANMANG	编铓
132	131	YANGQIN	扬琴
133	132	LUSHENG	芦笙
134	133	PIBA	琵琶
135	134	LUOQIN	柳琴
136	135	YUQIN	月琴
137	136	DARUAN	大阮
138	137	ZHONGRUAN	中阮
139	138	GUOHU	高胡
140	139	ERHU	二胡
141	140	ZHONGHU	中胡
142	141	ERHUQUN1	二胡群1
143	142	ERHUQUN2	二胡群2
144	143	ZHONGHUQUN	中胡群
145	144	BANGDI	梆笛
146	145	KUNDI	昆笛
147	146	XIAO	箫
148	147	BANHU	板胡
149	148	XIPI	西皮
150	149	ZHUIHU	坠胡
151	150	SANXIAN	三弦
152	151	GUZHENG	古筝
153	152	GUOYINSUONA	高音唢呐
PERCUSSION打 击 乐
154	153	STANDARD DRUMS	标准鼓组
155	154	CHINESE PERCUSSION	中国打击乐组
156	155	ROOM DRUMS	房间鼓组
157	156	ROCK DRUMS	摇滚鼓组
158	157	ELECTRIC DRUMS	电子鼓组
159	158	T 808 DRUMS	T808鼓组
160	159	JAZZ DRUMS	爵士鼓组
161	160	BRUSH KIT	刷子鼓组
162	161	CLASSIC DRUMS	古典鼓组
163	162	SFX KIT	效果鼓组

STYLE LIST

No	Name	中文名
	8/16BEAT	8/16拍
00	8BEAT-1	8拍1
01	8BEAT-2	8拍2
02	8BEAT-3	8拍3
03	16BEAT-1	16拍1
04	16BEAT-2	16拍2
05	16BEAT-3	16拍3
	POP	流行乐
06	POOPROCK	流行摇滚
07	FOLKROCK	民歌风摇滚
08	POPBOLERO	流行波莱罗
09	POPWALTZ	流行华尔兹
10	SOULBALLAD	流行民谣
11	MOOTOWN	底特律节奏
	DANCE	舞曲
12	HOUSE	家庭舞曲
13	TECHNO-1	现代舞曲1
14	TECHNO-2	现代舞曲2
15	RAVE	拉布
16	DANCE-1	舞曲1
17	DANCE-2	舞曲2
18	DISCO-70S	70年代迪斯科
19	DISCO	迪斯科
20	MACARENA	马卡伦那
	R&B	蓝调摇滚
21	GOSPEL-1	黑人福音音乐1
22	GOSPEL-2	黑人福音音乐2
23	R&B-1	蓝调摇滚1
24	R&B-2	蓝调摇滚2
25	BLUES-1	布鲁斯1
26	BLUES-2	布鲁斯2
27	FUNK	早期爵士乐
	ROCK	摇滚乐
28	ROCK-60S	60年代摇滚
29	ROCK-70S	70年代摇滚
30	ROCK-80S	80年代摇滚
31	BALLROCK	舞会摇滚
32	SLOWROCK	慢摇滚
33	SLOWROCK6/8	慢摇滚6/8
	ROCK&ROLL	快速摇滚乐
34	ROCK&ROLL-1	快速摇滚1
35	ROCK&ROLL-2	快速摇滚2
36	SHUFFLE	滑曳摇滚
37	TWIST	扭扭舞
38	BOOGIE-1	布吉乐1
39	BOOGIE-2	布吉乐2
	SWING/JA	摇摆舞/爵士
40	SWING	摇摆舞
41	LOUNGE	悠闲爵士
42	DIXIE-1	新奥尔良爵士1
43	DIXIE-2	新奥尔良爵士2
44	JAZZBALLAD-1	舞会爵士乐1
45	JAZZBALLAD-2	舞会爵士乐2
46	JAZZWALTZ	爵士华尔兹
47	CHARLSTON	查尔斯顿舞
48	RAGTIME	早期爵士乐
	COUNTRY	乡村音乐

NO	Name	中文名
49	COUNTRY-1	乡村音乐1
50	COUNTRY-2	乡村音乐2
51	COUNTRYDANCE	乡村舞曲
52	COUNTRYROCK	乡村摇滚
53	COUNTRYWALTZ	乡村华尔兹
	CARIBBEAN	加勒比音乐
54	REGGAE-1	雷格1
55	REGGAE-2	雷格2
56	CARIBBEAN	加勒比节奏
	LATIN-1	拉丁1
57	BOSSA-1	波萨诺瓦1
58	BOSSA-2	波萨诺瓦2
59	SAMBA-1	桑巴1
60	SAMBA-2	桑巴2
61	RUMBA	伦巴
62	BEGUINE	贝津舞
63	CHACHA-1	恰恰1
64	CHACHA-2	恰恰2
	LATIN-2	拉丁2
65	SALSA	萨尔萨舞曲
66	CUMBIA	巴西舞曲
67	MERENQUE	美伦格舞
68	MAMBO	曼波舞曲
69	LATIN	拉丁舞曲
70	GIPSY	吉普赛舞
71	D.SAMBA	迪斯科桑巴
	ORIENTAL	东方舞曲
72	CINGENE	阿拉伯舞曲
73	MUS5/8	土耳其舞曲
74	ORIENTAL	东方舞曲
75	OYUNHAVA	小亚细亚舞曲
	WORLDMUSIC	世界音乐
76	SEVILLIANA	赛尔维利亚舞曲
77	HOLLYWOOD	好莱坞
78	SP.RUMBA	西班牙伦巴
79	SP.BOLERO	西班牙波莱多
80	SIRTAKI	希腊舞曲
81	BAROQUE	巴罗克
82	HAWAII	夏威夷舞曲
	BALLROOM	交谊舞曲
83	FOXTROT	狐步舞曲
84	QUICKSTEP	快步舞
85	SLOWFOX	慢狐步舞
86	TRAD.WALTZ	传统华尔兹
87	JIVE	轻快爵士
88	PASODOBLE	平舞土舞
89	TANGO	探戈
90	TANGOARG	阿根廷探戈
	WALTZ/MARCH	华尔兹进行曲
91	GERMWALTZ	德国华尔兹
92	VIENNAWALTZ	维也纳华尔兹
93	MUSETTE	风笛舞
94	SLOWWALTZ	慢速华尔兹
95	MARCH	进行曲
96	MARCH6/8	进行曲6/8
97	POLKA	波尔卡
98	D.POLKA	迪斯科波尔卡
99	SCHLAGER	德国进行曲

DRUM SET TABLE (MIDI CHANNEL 10)

	1 HQ STD SET1	2 CHINESE SET	3 HQ ROOM SET	4 HQ POWER SET	5 HQ ELEC. SET
39 - D#2	High Q				
40 - E2	Slap				
41 - F2	Scratch Push				
42 - F#2	Scratch Pull				
43 - G2	Sticks				
44 - G#2	Square Click				
45 - A2	Metronome Click				
46 - A#2	Metronome Bell				
47 - B2	HQ STD1 Kick2		HQ Room Kick2	HQ Power Kick2	HQ Elec Kick2
48 - C3	HQ STD1 Kick1		HQ Room Kick1	HQ Power Kick1	HQ Elec Kick1
49 - C#3	Side Stick				
50 - D3	HQ STD1 Snare1		HQ Room Snare1	Gated Snare	Elec SD
51 - D#3	Hand Clap				
52 - E3	Snare Drum 2		HQ Room Snare1	HQ Power Snare1	HQ Elec Snare1
53 - F3	HQ Low Floor Tom	大鼓 1	HQ Power Low Tom2	HQ Power Low Tom2	Elec Low Tom2
54 - F#3	Closed Hi Hat [EXC1]				
55 - G3	HQ High Floor Tom	大鼓 2	HQ Power Low Tom1	HQ Power Low Tom1	Elec Low Tom1
56 - G#3	Pedal Hi-Hat [EXC1]				
57 - A3	HQ Low Tom	中鼓 1	HQ Power Mid Tom2	HQ Power Mid Tom2	Elec Mid Tom2
58 - A#3	Open Hi-Hat [EXC1]				
59 - B3	HQ Low-Mid Tom	中鼓 2	HQ Power Mid Tom1	HQ Power Mid Tom1	Elec Mid Tom1
60 - C4	HQ Hi Mid Tom	小鼓 1	HQ Power Hi Tom2	HQ Power Hi Tom2	Elec Hi Tom2
61 - C#4	Crash Cymbal 1				
62 - D4	HQ High Tom	小鼓 2	HQ Power Hi Tom1	HQ Power Hi Tom1	Elec Hi Tom1
63 - D#4	Ride Cymbal 1				
64 - E4	Chinese Cymbal	小堂锣			Reverse Cymbal
65 - F4	Ride Bell	汤锣 1			
66 - F#4	Tambourine	闭小钹			
67 - G4	Splash Cymbal	汤锣 2			
68 - G#4	Cowbell	哑锣			
69 - A4	Crash Cymbal 2	低音堂锣			
70 - A#4	Vibraslap	大堂锣			
71 - B4	Ride Cymbal 2	开小钹			
72 - C5	Hi Bongo				
73 - C#5	Low Bongo				
74 - D5	Mute Hi Conga				
75 - D#5	Open Hi Conga				
76 - E5	Low Conga				
77 - F5	High Timbale	腰鼓 1			
78 - F#5	Low Timbale	腰鼓 2			
79 - G5	High Agogo	木鱼			
80 - G#5	Low Agogo	梆子			
81 - A5	Cabasa				
82 - A#5	Maracas				
83 - B5	Short Whistle[EXC2]				
84 - C6	Long Whistle[EXC2]				
85 - C#6	Short Guiro [EXC3]				
86 - D6	Long Guiro [EXC3]				
87 - D#6	Claves				
88 - E6	Hi Wood Block				
89 F6	Low Wood Block				
90 - F#6	Mute Cuica [EXC4]				
91 G6	Open Cuica [EXC4]				
92 - G#6	Mute Triangle [EXC5]				
93 A6	Open Triangle[EXC5]				
94 - A#6	Shaker				
95 B6	Jingle Bell				
96 C7	Belltree				

DRUM SET TABLE (MIDI CHANNEL 10)

	6 HQ TR808 SET	7 HQ DANCE SET	8 BRUSH	9 ORCHESTRA	10 SFX SET
39 - D#2				Closed Hi Hat	*
40 - E2				Pedal Hi-Hat	*
41 - F2				Open Hi Hat	*
42 - F#2				Ride Cymbal	*
43 - G2					*
44 - G#2					*
45 - A2					*
46 - A#2					*
47 - B2	HQ 909 BD	HQ Dance Kick	Jazz BD2	Concert BD 2	*
48 - C3	HQ 808 BD	HQ Elec Kick2	Jazz BD1	Concert BD 1	*
49 - C#3	808 Rim shot				*
50 - D3	808 Snare Drum	HQ Dance snare1	Brush Tap	Concert SD	*
51 - D#3			Brush Slap	Castanets	High Q
52 - E3	HQ 909 Snare	HQ Dance snare2	Brush Swirl	Concert SD	Slap
53 - F3	808 Low Tom2	Elec Low Tom2		Timpani F	Scratch Push
54 - F#3	808 CHH [EXC1]	808 CHH [EXC1]		Timpani F#	Scratch Pull
55 - G3	808 Low Tom2	Elec Low Tom1		Timpani G	Sticks
56 - G#3	808 CHH [EXC1]	808 CHH [EXC1]		Timpani G#	Square Click
57 - A3	808 Mid Tom2	Elec Mid Tom2		Timpani A	Metronome Click
58 - A#3	808 OHH [EXC1]	808 OHH [EXC1]		Timpani A#	Metronome Bell
59 - B3	808 Mid Tom1	Elec Mid Tom1		Timpani B	Guitar Slide
60 - C4	808 Hi Tom2	Elec Hi Tom2		Timpani c	Gt Cut Noise (down)
61 - C#4	808 Cymbal			Timpani c#	Gt Cut Noise (up)
62 - D4	808 HiTom1	Elec Hi Tom1		Timpani d	Double Bass Slap
63 - D#4				Timpani d#	Key Click
64 - E4		Reverse Cymbal		Timpani e	Laughing
65 - F4				Timpani f	Screaming
66 - F#4					Punch
67 - G4					Heart Beat
68 - G#4	808 Cowbell				Footsteps1
69 - A4				Concert Cymbal2	Footsteps2
70 - A#4					Applause
71 - B4				Concert Cymbal1	Door Creaking
72 - C5					Door Closing
73 - C#5					Scratch
74 - D5	808 High Conga				Wind Chime
75 - D#5	808 Mid Conga				Car Engine Start
76 - E5	808 Low Conga				Car Breaking
77 - F5					Car Pass
78 - F#5					Car Crash
79 - G5					Police Siren
80 - G#5					Train
81 - A5					Jet Take-off
82 - A#5	808 Maracas				Helicopter
83 - B5					Starship
84 - C6					Gun Shot
85 - C#6					Machinegun
86 - D6					Lasergun
87 - D#6	808 Claves				Explosion
88 - E6					Dog
89 F6					Horse Gallop
90 - F#6					Birds
91 G6					Rain
92 - G#6					Thunder
93 A6					Wind
94 - A#6					Sea Shore
95 B6					Stream
96 C7					Bubble
					*
					*
					*
					*

TECHNICAL SPECIFICATIONS

Keyboard
- 88 touch response hammer action keyboard

Voice
- 163 PCM voices
- Max polyphony note: 64 notes
- Keyboard percussion: 1~9 groups
- Sound effect: 1 group
- Volume: 00~127
- Keyboard Split: left & right hand voice
- Dual voice: left hand voice1, right hand voice 2
- Harmony and Echo: 10 styles
- DSP reverb styles: 8 styles
- DSP chorus styles: 8 styles

Auto Accompaniment Function
- 100 styles
- Major & minor accompaniment mode
- Accompaniment track setting: ON / OFF, voice, volume
- Accompaniment control: Sync Start, Sync Stop, Intro, Main A & B(Auto Fill-In), Ending, start / stop
- Tempo: 40~240
- Accompaniment volume: 00~127

Songs
- 22 demo songs and 5 user song

Display
- LED
- **Record Track**
- 5 record tracks

Accompaniment Mode
- Normal Performance, Single Finger, Fingered

Panel Parameter Memory Bank
- 8 banks,

Wholel Function
- Transpose: -12~+12, Tuning, Second Voice Volume, Chorus, Harmony, Metronome: ON & OFF

Control Buttons
- Function button, Mode button, Numeric buttons 0~9, [+/YES] and [-/NO] buttons

MIDI functions
- receive and send

Auxiliary Interfaces
- Earphone/Auxiliary output
- MIDI IN & OUT

Power Output
- 10W+10W

Earphone/Auxiliary output: resistance output-32 ohm

Speakers

16.5cm*2+5cm*2, 4 ohm

Voltage
- 220V AC

Packing Information
- Dimension: 1320(L)*850(W)*530(H)mm
- G. W.: 40kg

Complimentary Accessories
- Owners manual
- Warranty card
- Power supply cable
- Screws, screw caps

*.The specifications are subject to change without prior notice.

OWNERS MANUAL

Owner's Manual