WELCOME...

To the happy family of satisfied 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

● Strong multifunctional LCD system with large-scream display, which makes selecting and editing parameters much easier.

● 153 different kinds of voices, including 25 voices of Chinese folk instruments(Trichord, Gu-Zheng, Erhu, Suona)

● Almost including 100 popular accompaniment styles in the world. Each has its own intro and main (A, B two types), variation and ending.

● 36 types of commonly-used voices and 36 types of commonly-used styles for rapid choice.

● With 9 groups of percussion instrument and a group of Chinese traditional percussion instruments.

● Graceful piano shape design and soft LCD back light make 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.

● Record function can record with one accompaniment track and two melody tracks.

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

● Demo has Minus Channel function, which enables you to repeatedly play a certain sentence, thus, makes great contribution to teaching.

● Memory Bank reserves 16 panel parameter presets for your rapid choice.

● MIDI function enables W680 suitable for every standard MIDI system.

CONTENT

SAFETY PRECAUTIONS···

■ *Symbols*

   Various symbols are used in this user's manual guide and on the product itself to ensure that the product is used safely and Correctly, and to prevent injury to the user and other person as well as damage to property. Those symbols along with their Meanings are shown below.

■ *WARNING!* ⚠

This indication stipulates matters that have the risk of causing death or serious injury if the product is operated incorrectly while ignoring this indication.

■ *CAUTION!* ⚠

This indication stipulates matters that have the risk of causing injury as well as matters for which there is the likelihood of occurrence of physical damage only if the product is operated incorrectly while ignoring this indication.

■ *Symbol Examples*

⚠This triangle symbol means that the user should be careful. (The example at left indicates electrical shock caution.)

🚫This circle with a line through it means that the indicated action must not be performed. Indications within or nearby this symbol are specifically prohibited. (The example at left indicates that disassembly is prohibited.)

The black dot means that the indicated action must be performed. Indications within this symbol are actions that are specifically instructed to be performed. (The example at left indicates that the power plug must be unplugged from the electrical socket.)

———————— ⚠ ! WARNING ————————

■ **Please use caution regarding the handling of the AC adaptor.** ⚠
   ●Do not use a voltage other than the indicated power supply voltage. Use of a voltage other than that indicated may cause fire or electrical shock.
   ●If the power cord should become damaged (expose wired, disconnection, etc.), purchase a new AC adaptor. Use of a damaged power cord may cause fire or electrical shock.
   ●Do not cut or damage the power cord. Also do not place heavy objects on top of it or subject it to excessive heat.
      Damage to the power cord may cause fire or electrical shock.

●Do not attempt to shape the power cord or subject it to excessive bending, twisting or pulling. This may cause fire or electrical shock.
●Please use the adaptor specified for this instrument. Use if another adaptor may cause fire, electrical shock, or malfunction.

■ **Do not locate the instrument or its stand on an uneven or unstable surface.**
* Locating the instrument or its stand on an uneven or unstable surface can cause it to full, creating the danger of personal injury.

■ **Do not place containers containing water or other liquids on the instrument.**
●Do not place the following objects on the instrument. Placing such objects on the instrument may cause fire or electrical shock of they pill and get inside the instrument.

●Containers filled with water or other liquids(including vases, potted plants, cups, cosmetics and medicines)
●Small metal objects (including hairpins, sewing needles and coins)
●Flammable objects
In the event a foreign object should happen to get inside the instrument, please take the following actions:
1.Turn power off.
2.Unplug the AC adaptor from the wall outlet.
3.If there are any batteries loaded in the keyboard, remove them.
*. Do not touch the batteries directly with your hands when removing them. They may be hot or battery fluid may be leaking from them.
4.Consult with the dealer where you purchase the keyboard or with an authorized service provider.

■ **Do not disassemble or modify the instrument.**
Never attempt of take apart or modify the instrument, its accessories, or separately sold options. Doing so may cause fire, electrical shock or malfunction. Consult your dealer concerning all inspection, adjustment or repair of internal components.

■ **Do not use if there is an abnormality or malfunction.**
*. Do not use the instrument if there appear to be abnormalities such as the presence of smoke or abnormal odor. Also do not use the instrument if there appear to be mal-functions such as the power not coming on or sound not being produced. Use under such conditions may cause fire or electrical shock. In such cases, take the following actions immediately. Never attempt to repair the instrument yourself.
1.Turn power off.
2.Unplug the AC adaptor from the wall outlet.
3.If there are any batteries loaded in the keyboard, remove them.
*. Do not touch the batteries directly with your hands when removing them. They may be hot or battery fluid may be leaking from them.
4. Consult with the dealer where you purchased the keyboard or with an authorized service provider.

■ **When the instrument has been dropped:**
*. In the case the instrument has been dropped or damaged, take the following actions. Continued use may cause fire or electrical shock.
1. Turn power off.
2. Unplug the AC adaptor from the wall outlet.
3. If there are any batteries loaded in the keyboard, remove them.
*. Do not touch the batteries directly with your hands when removing them. They may be hot or battery fluid may be leaking from them.
4. Consult with the dealer where you purchased the keyboard or with an authorized service provider.

■ **Be careful of the bags around children.**
*. Never allow anyone to place the plastic bags of the instrument, its accessories, and its separately sold options over their heads. Doing so many cause suffocation. Particular caution is required in homes with small children.

! CAUTION

■ **AC Adaptor**
*. Do not locate the power cord in close proximity to heaters or other heating appliances. This may cause the cord to melt leading to possible fire or electrical shock.
*. When unplugging the AC adaptor from an electrical outlet, always make sure to pull on the adaptor itself and not the cord. Pulling excessively on the cord may cause it to be damaged or break leading to possible fire or electrical shock.
*. Do not touch the AC adaptor with wet hands when it is plugged in. This may cause electrical shock.
*. When not using the instrument for an extended period such as when travelling, always make sure to unplug the AC adaptor from the electrical outlet for safety reasons.
*. After use turn off the power switch of the instrument and unplug the AC adaptor from the electrical outlet.

■ **Batteries**
*. Improper battery use may cause batteries to rupture and leak. This may cause injury, malfunction of the instrument or discoloration of furniture and other articles that come into contact with battery fluid. Take care to observe the followings.
   *. Install batteries so their polarity (+/-) matches that indicated on the instrument.
   *. For safety and to prevent possible leakage of battery fluid, always make sure to
■ remove batteries from the instrument when you do not plan to use it for a long time.
   *. Always make sure that the batteries making up a set are all of the same type.
   *. Never combine the new batteries with old ones.
   *. Never dispose of batteries by incinerating them. Never short or disassemble batteries, and do not expose them to excessive heat.
   *. Replace dead batteries as soon as possible.
   *. Never attempt to recharge batteries.

■ **Transport**
*. When transporting the instrument, always make sure to unplug the AC adaptor from the electrical outlet and confirm that all other external connections have been disconnected. Only then should the instrument be transported. If the above is not done, the cord may be damaged leading to possible fire or electrical shock.

■ **Care**
*. Whenever caring, make sure to first unplug the ac adaptor from the electrical outlet. Also remove the instrument's batteries if battery power if being used.

■ **Location**
*. Never locate the instrument in areas subject to high humidity or heavy accumulation of dust. Doing so may cause fire or electrical shock.
*. Never locate the instrument in areas subject to grease splatters or steam, such as in a kitchen or near a humidifier. Doing so may cause fire or electric shock.

■ **Don not place keyboard on lacquered furniture.**
   *. The instrument's silicone rubber feet may eventually blacken or scar lacquered surfaces. Use felt cloth pads to insulate the feet preferably use a musical instrument stand designed for your keyboard.

■ **Do not place heavy objects on the instruments.**
   *. Do not place heavy instruments on the instruments. This may cause the instrument to tip over or break resulting in injury.

■ **Volume**
   *. Very high volume levels can damage hearing. Avoid using the instrument at very high volume settings for long periods. Consult with a physician immediately if you experience impaired hearing or ringing in the ears.

■ **Liquid Crystal Display (LCD) Precautions**
   *. Avoid subjecting the keyboard's LCD to strong impact, which can crack or break the LCD's glass creating the danger of personal injury.
   *. Should the LCD glass ever crack or break, do not allow the liquid inside the LCD to come into contact with your skin, which can cause inflammation and reddening.
   *. Should the LCD liquid get into your mouth, immediately wash out your mouth with water and then consult a physician.
   *. Should the LCD liquid get into your eyes or on your skin, immediately flush with water for at least 15 minutes and then consult a physician.

■ **Do not get onto the instrument or stand.***
   *. Do not crawl on top of the instrument or its optional stand. Particular caution is required in homes having small children. This may cause the instrument or stand to tip over and break resulting injury.

■ **Optional stand***
   *. Carefully assemble the stand following the assembly instructions that come with it. Securely tighten all bolts, nuts, and fasteners, and make sure that you mount the instrument correctly onto the stand. Incorrectly or insufficiently tightening screws, or incorrectly mounting the instrument onto the stand can cause the stand to tip over or the instrument to fall off the stand, possibly leading to injury.

   * The stand is available as an option.

CONTROL BOARD

Main Panel

MAIN CONTROL BOARD

Rear Panel

MIDI IN   MIDI OUT   SUSTAIN   PHONES   DC12V

⑲ ⑱
⑳
㉑

Setting up the Music Stand

PREPARATIONS

*. Please notice the connecters here. These are the main connecters you have to use while playing this instrument.

MIDI IN   MIDI OUT   SUSTAIN   PHONES/OUTPUT   DC12V
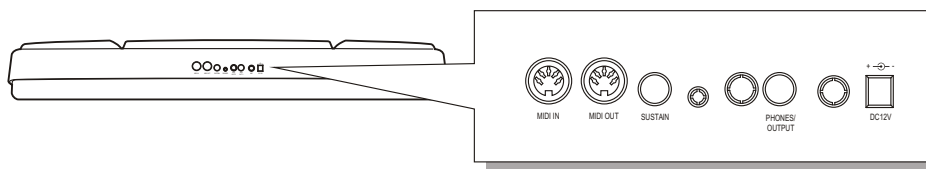
■ **POWER SUPPLE:**
This keyboard can be powered by current from a standard household wall outlet (using the specified AC adaptor) or by batteries. Always make sure you turn the keyboard off whenever your are not use it.

■ **USING THE AC ADAPTOR**
Make sure that you sure only the AC adaptor specified for this keyboard.

DC12V
+ ⊖ -

LLA1285
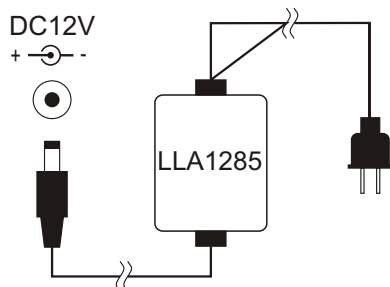
Also note the following important warnings and precautions when using the AC adaptor.
Warning!
*. Take care to avoid any damage to or breakage of the power cord. Never place any heavy objects on the power cord or expose it to direct heat. Doing so creates the danger of power cord damage, fire, and electrical shock.
*. Use only the specified AC adaptor. Use of another type of adaptor creates the danger of fire and electrical shock.

■ *Caution!*
. For safety sake, be sure to unplug the AC adaptor from the wall outlet whenever leaving the keyboard unattended for a long time(such as when leaving on a trip).
. Always turn off the keyboard and unplug the AC adaptor from the wall outlet when you are not using the keyboard.

--------------------- IMPORTANT ! ---
*. Make sure that the keyboard is turned off before connecting or disconnecting the AC adaptor.
*. Using the AC adaptor for a long time can cause it to become warm to the touch. This is normal and does not indicate malfunction

■ **Using Batteries**
  Always make sure you turn off the keyboard before loading or replacing the batteries.
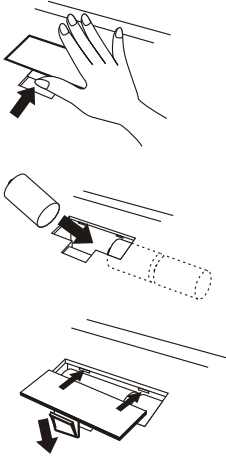
■ **To load batteries**
  1.Remove the battery compartment cover.
  2.Load 6 1.5V D-size (or R-14 same size) batteries into the battery compartment.
  *. *Make sure that the positive(+) and negative (-) ends are meeting correctly.*
  3. Insert the tabs on the battery compartment cover into the holes provided and close the cover.
    The keyboard may not function correctly if you load or replace batteries with power turned on. If this happens ,turning the keyboard off and then back on again should return functions back to normal.

■ **Important battery Information**
  *. The following shows the approximate battery life.
■ **Manganese batteries**………2 hours
    The above value is standard battery life at normal temperature, with the keyboard volume at medium setting.
    Temperature extremes or playing at very loud volume settings can shorten battery life.
  *. Any of the following symptoms indicate low battery power. Replace batteries as soon as possible whenever any of the following occurs.
  *. Dim power supply indicator
  *. Instrument does not turn on
  *. Display that is flickering, dim, or difficult to read
  *. Abnormally low speaker/headphone volume
  *. Distortion of sound output
  *. Occasional interruption of sound when playing at high volumes
  *. Sudden power failure when playing at high volume
  *. Flickering or dimming of the display when playing at high volume
  *. Continued sound output even after you release a key
  *. A totally different tone may sound

IMPORTANT !

Improper handling of batteries can cause them to burst and leak, which creates the danger of personal injury or damage due to contact with battery acid. Be sure to sure to note the following important precautions.
*.Always make sure that the positive(+) and negative(-) poles are facing correctly as indicated near the battery compartment.
*.To avoid damage caused by leaking batteries, be sure to remove batteries from the keyboard whenever you leave it unattended for long period (such as when leaving on a trip).
*. Never mix batteries of different types.
*. Never mix old batteries with new ones.
*. Never discard batteries by incinerating them, do not allow their poles to be shorted (connected to each other), never take batteries apart, and do not expose to direct heat.
*. Replace batteries as soon as possible after any sign they are getting weak.
*. Never attempt to recharge batteries.

CONNECTION

■ Earphone Connection and Audio output
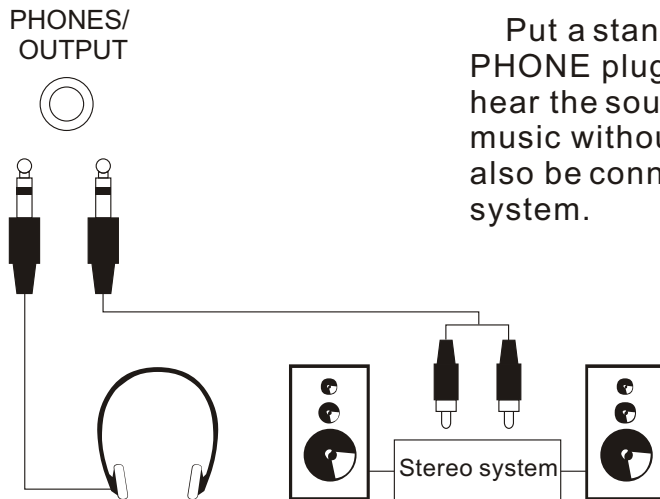
PHONES/
OUTPUT

   Put a standard earphone to connect the keyboard's PHONE plug. While connection 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

■ Sustain jack Terminal
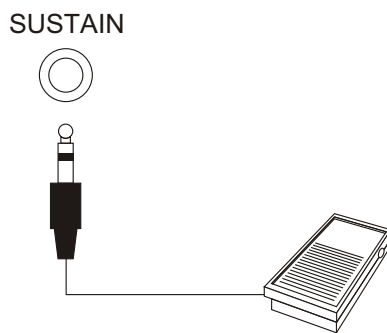
SUSTAIN

You can connect an optional sustain pedal to the SUSTAIN JACK terminal to enable the capabilities described below.
Notice:
*. With piano voices, depressing the pedal causes notes to linger, much like a piano's damper pedal.
*. With organ voices, depressing the pedal causes notes to continue to sound until the pedal is released.

■ MIDI IN/OUT
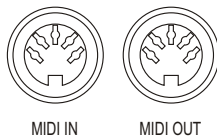
MIDI IN   MIDI OUT

MIDI IN
Receive the MIDI Data from the outside devices connected
MIDI OUT
Send the MIDI Data of this keyboard

LISTENING TO THE DEMO SONGS

After installation, you can play the demo songs of this keyboard. Just experience its excellent performance. There are all together six Demos.
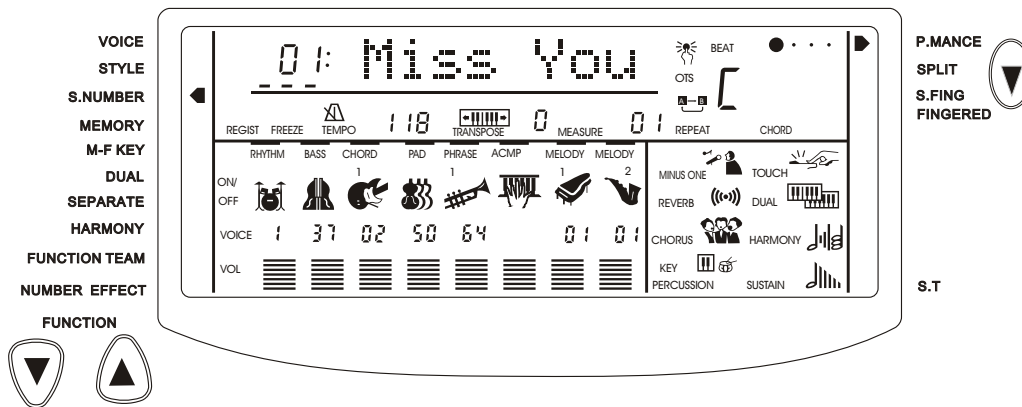
■ **LISTENING TO THE DEMO SONGS**
● **1. Tune on the POWER SWITCH dial.**
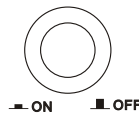
● **2. Use the MAIN VOLUME dial to lower the keyboard volume.**
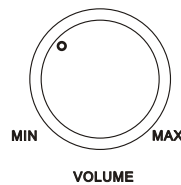
. It's always a good idea to set the keyboard volume at a relatively low level before playing.
. Switching the MIN or MAX makes the current volume setting appear on the display. Switch MIN or MAX again to change the setting.

● **3. Play the Demos**
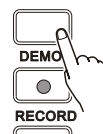
Press the [DEMO] button, this keyboard will play the music automatically. The name of the first song will appeared on the screen. This keyboard comes with 6 songs in memory while they will play orderly and circularly before being stopped.

- **4. To select a song**

VOICE
STYLE
S.NUMBER
MEMORY
M-F KEY
DUAL
SEPARATE
HARMONY
FUNCTION TEAM
NUMBER EFFECT

Miss You

1 2 3
4 5 6
7 8 9
-/NO 0 +/YES
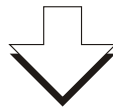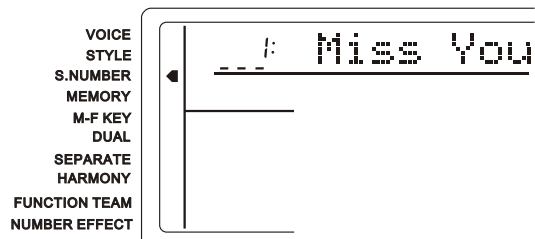
Find the song you want to listen while the keyboard automatically playing. Use the [-/NO] and [+/YES] or the NUMBER buttons to pick up a song. Press [START/STOP] button to return to the auto play.

- **5. To stop Demo play, press the [DEMO] button or [START/STOP] button again.**

Miss You

DEMO

RECORD

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.

BASIC OPERATION

This instrument can display many important parameters in the screen. The following are the introductions about these parameters and icons in the screen, and as well as the basic operation of the panel buttons.

Parameter Icons

BEAT ● · · ·
Beat Icon
This shows the current tempo and beat both in Song Mode and Style Mode.

REGIST FREEZE
Registration Memory Icon
This shows the current setting number of registration memory.

TEMPO
Tempo Icon
This shows the tempo of the accompaniment and song playback.

Cursor Buttons

These buttons are used to select various parameters in the screen. The selected parameter will either be added an underline, or be brightened, or flicker. The cursor will be moved in the direction according to the corresponding cursor button. Up and down cursor buttons can also be applied to select certain functions in the Function Team.

CURSOR

VOICE
STYLE
S.NUMBER
MEMORY
M-F KEY
DUAL
SEPARATE
HARMONY
FUNCTION TEAM
NUMBER EFFECT
FUNCTION

01: Gra

REGIST FREEZE TEMPO 118 TRANS

RHYTHM BASS CHORD PAD PHRASE

ON/OFF

VOICE 1 35 02 17 30

VOL

M3 M4
M7 M8

Function Team

By using Up and Down Function buttons you can select every function of this instrument, such as voice, style, song number and etc. The arrow in the screen points to the function you have selected. Pressing the Function buttons to move this arrow.

Accompaniment Track Parameters and Icons.
There are altogether 7 accompaniment tracks, such as Rhythm, Bass, Chord 1/2, Pad, and Phrase 1/2. Each track has its own switch, voice number and volume parameter. When one track is turned on, the corresponding icon appears in the screen.

RHYTHM BASS CHORD PAD PHRASE

Transpose Icon
This shows the value of current transpose.

Measure Icon
This shows the measure number of current song playback.

Repeat Icon
This tells you the Points A and Point B when you editing the repeat section.

Chord Icon
This tells you the current chord name in both Song Mode and Style Mode.

Mode
In the right part of the panel, there write four modes of this instrument. You can select each one by pressing [MODE] button. The arrow next to the modes points to the mode you current use.

Normal Performance.	Normal Performance Mode
Keyboard Split	The keyboard has been divided into two parts, which can be applied to two different voices.
Single Finger Chord	Single finger accompaniment. Press one, two or three keys to decide the chord.
Fingered Chord	Fingered accompaniment. The chord is played according to the exact chord you've played.
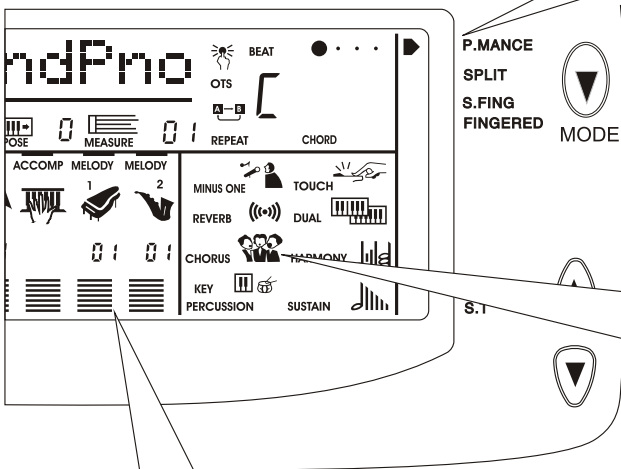
Function ON/OFF Icons

Minus One.
It appears when this function is selected.

Reverb.
It appears when Reverb Function is turned on.

Chorus.
It appears when Chorus Function is turned on.

Touch.
When this icon appears, the keyboard enables the Touch Response function.

Dual.
It appears when Dual Function is turned on.

Sustain.
It appears when Sustain Function is turned on.

Keyboard Percussion.
It appears when the keyboard percussion is turned on.

Song Track Parameter and Icons
These three Song Tracks also can have switches, voice numbers and volume parameters just like the accompaniment tracks. Corresponding icon appears in the screen when the track is turned on.

ACCOMP   MELODY   MELODY
              1   2

PLAYING THE PIANO

VOICE
STYLE
S.NUMBER
MEMORY
M-F KEY
DUAL
SEPARATE
HARMONY
FUNCTION TEAM
NUMBER IMPACT
FUNCTION

01: Miss You

REGIST FREEZE TEMPO *118* TRANSPOSE *0* MEASURE *01* REPEAT CHORD

BEAT
OTS
A—B

RHYTHM BASS CHORD PAD PHRASE ACCOMP MELODY MELODY
ON/OFF
VOICE *1 37 02 50 64 01 01*
VOL

MINUS ONE TOUCH
REVERB DUAL
CHORUS HARMONY
KEY PERCUSSION SUSTAIN

P.MANCE
SPLIT
S.FING
FINGERED

S.C
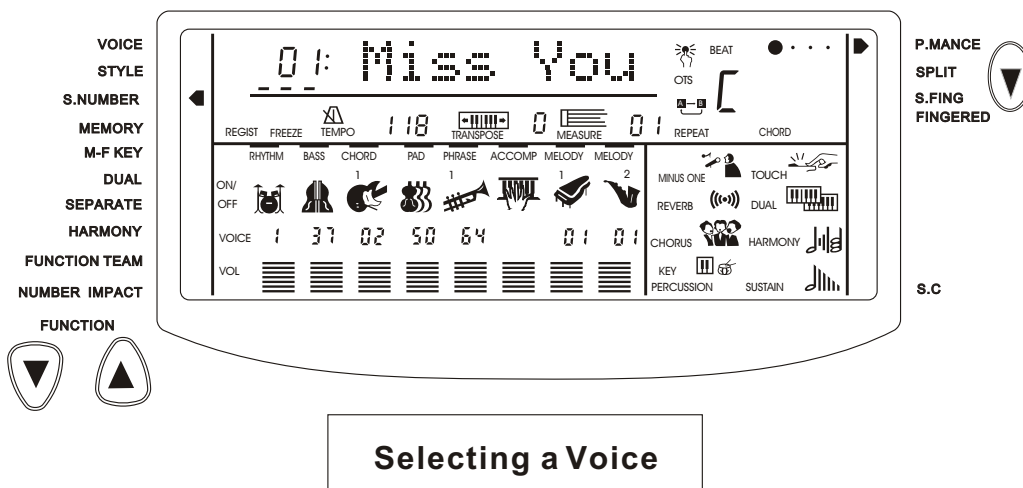
Selecting a Voice

This keyboard comes with 153built-in voices and 9percussive.Use the following procedure to select the voice you want to use.

■ *1.*Selecting a mode

P.MANCE
SPLIT
S.FINGER
FIGERED
MODE

S.T
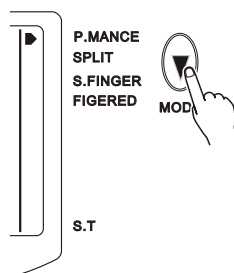
Press the MODE button till the arrow marks to the P.MANCE.

■ *2.* Selecting the VOICE Play Function

VOICE
STYLE
S.NUMBER
MEMORY
M-F KEY
DUAL
SEPARATE
HARMONY
FUNCTION TEAM
NUMBER EFFECT
FUNCTION

01: GrandPno

VOICE

Press the VOICE button or press the FUNCTION button ▲ ▼ till the arrow marks to the VOICE .

■ **3. Selecting a voice**
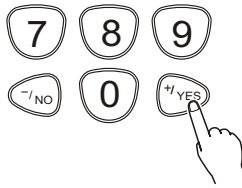
You can select a voice you desire by using [-/NO] and [+/YES] buttons or the digital number buttons on the panel. The name and number of the present voice shows in the first line of the LCD..

*. Pressing the [-/NO] & [+/YES] buttons
After the voice performance function is selected, these buttons can change the voice number in order. Holding down these buttons can quicken the speed.

*. Using digital number buttons

Press the NUMBER buttons to input the two digit voice number(01-99) to select the voice you desire.

Example: To select 57, input 5 and then 7.

If you want to input large voice number(100～152), press the NUMBER button 1 till it appears on the first position, and then input the rest two numbers by the way above.
*. Directly input
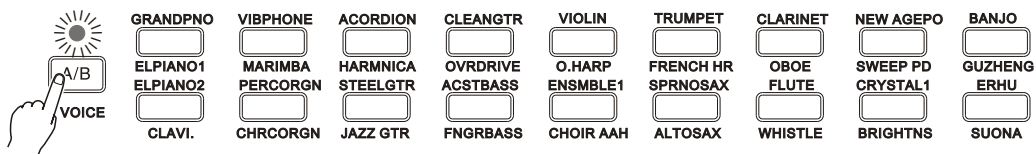
Press the VOICE A/B button on the front panel. And then press the voice you desire. While the up-light is on, means the voices you select is the one printed on the underside. If the down-lingt, the voice you select is the one on the upside of the button you press.

■ **4. Adjust the Volume**

Play the keyboard and adjust the VOLUME dial.

*.The keyboard volume & accompaniment volume could be adjust separately

Press the VOICE button, Quickly select the keyboard volume.

■ *5.* **Percussion**

Press the PERCU button to start/close percussion voice. The voice assigns various percussion sounds to the keyboards. See the Drum Set Table on page 51 for full details.

PERCUSSION

● **1. Selecting the PERCUSSION FUNCTION**
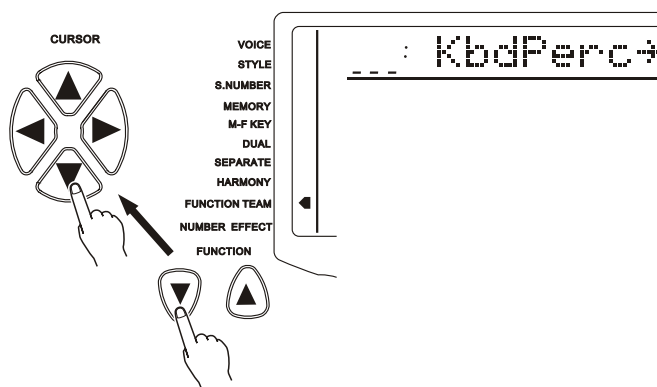
Keep pressing the FUNCTION button until the "arrow" marked to the FUNCTION TEAM. Then adjust the CURSOR ▲▼ Till the "KbdPERC" appears on the screen.

● **2. Selecting the PERCUSSION TEAM**
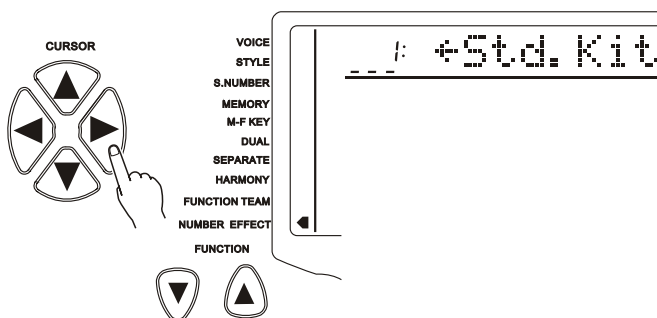
Press the CURSOR ▶ button to enter in. Use [-/NO] and [+/YES] or NUMBER button to select one group of the total 9 Percussion groups. The one you select may appears on the screen. You may also keep pressing the PERCU button till the "arrow" marked to the NUMBER IMPACT and one of the Percussion group will appears on the screen.

- **3. 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.

SPLIT MODE

*.Under this mode, the keyboard split to the right & left hands. Each can play a different Voice.
Example: BASS/PIANO
  This mode splits the keyboard. One range is assigned a bass voice and other range is assigned a piano voice. The split point is B2(Key No.59). It could be changed willfully. The voice of the right hand selects by normal mode, the voice of the left hand selects by the split mode. The following describes the details.
    Press the MODE button till the "arrow" marks to the SPLIT. Thus you enter into the SPLIT MODE.
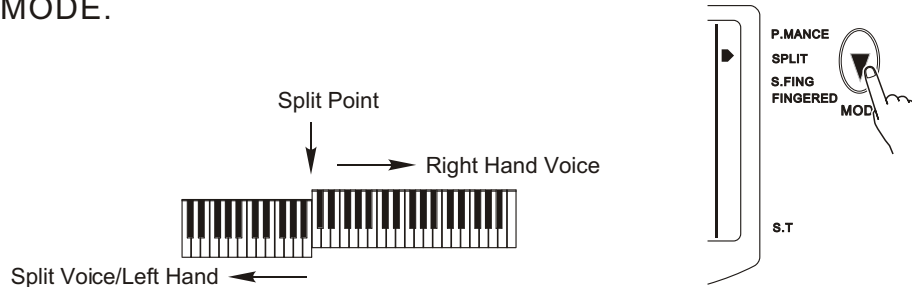
NOTICE:

*. The SPLIT MODE and the DUAL MODE can play at the same time and only the right hand plays the DUAL.

━━━━━━━━━ **Changing the Split voice & relative parameters** ━━━━━━━━

- **1. Selecting the SPLIT MODE**
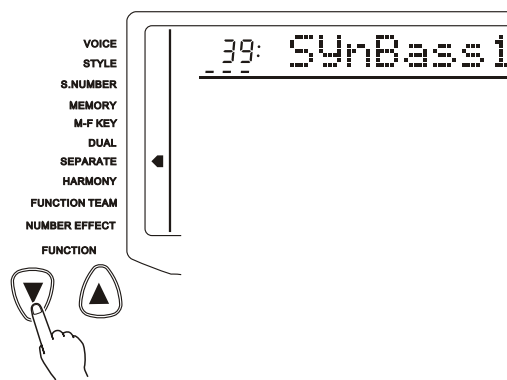
Press the FUNCTION KEY till the "arrow" marks to the SEPARATE MODE.

• **2.Selecting the proper function**

CURSOR

```
1  2  3
4  5  6
7  8  9
-/NO  0  +/YES
```
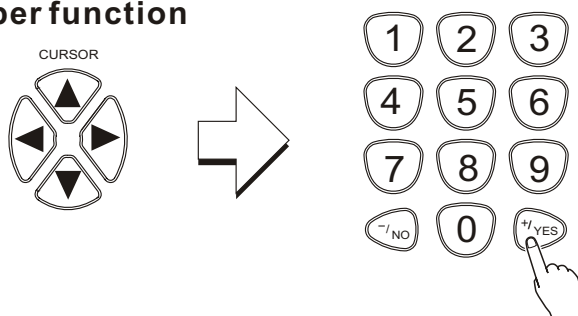
Press the CURSOR ▲ ▼ to select the function you want. Then use the [-/NO] & [+/YES] or NUMBER button to select the parameter setting. This setting will be appears on the screen.

Function	Explanation
Split voice	Change the voice of the left hand
S. Volume	Setting the voice of the left hand (0-152)
S. Octave	Change the volume of the left hand tone. -1: -1 Octave -2: -2 Octave+1,+2: +1,2 Octave
S. Revlv 1	Setting the voice of left hand output Rev-level. From 0 (none)to 127 (Max Effect)
S. Cholv 1	Setting the voice of left hand output Cho-level. From 0 (none)to 127 (Max Effect)
S. Pan	Setting the pan of left hand voice. From -7(left) to +7 (right)
S. Split	Setting the split point. The point itself belong to the left hand. Directly press one key to set the point and parameter appears on the screen. Or you can also use the [-/NO] &[+/YES] and the number button to select the key number. C1=36. centre C(C3)=60, C6=96. Split point could be any key from 0-127. (if use for MIDI, original point set is 59 (B2).

NOTICE:
Pressing [-/NO] & [+/YES] together can enable the initial setting of left hand voice parameter. To enter in minus numbers of S. Pan and S. Octave, you first press [-/NO] button, then press the number. The return level of Reverb and Chorus can be set in Number Effect function.

3. Quit
Press [VOICE] button or any other function button to quit from the Split Mode.

TOUCH RESPONSE

■ *. Press the [TOUCH] button may open/close the keyboard reaction function. While this function is on, the relative icon appears on the screen display. While the function is closed, the keyboard will produce the same volume to simulate instruments without such touch response, such as the CLASSIC ORGAN & PIANO.

TOUCH
DUAL
HARMONY
SUSTAIN

TOUCH
DUAL
HARMONY/ECHO
SUSTAIN
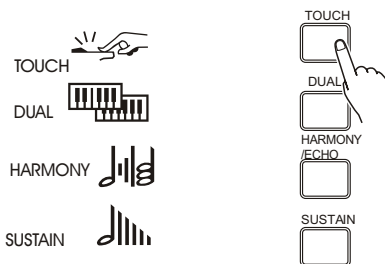
*. This function automatically open when the power switch turns on.
   Press the [TOUCH] button to quickly select the parameter of the touch sensitivity.
More information please refer to P 43.

DUAL

*This function make available the keyboard play two combined voices at the same time.
One voice is selected by the normal function, and another voice by this function.
While the function is selected, the relative icon appears on the screen display.

TOUCH

DUAL

HARMONY

SUSTAIN

━━━━━━━ Selecting the relative parameters of DUAL ━━━━━━━

■ 1.Selecting the DUAL MODE
● Press the FUNCTION buttons till the "arrow" points to the DUAL Mode position.

VOICE
STYLE
S.NUMBER
MEMORY
M-F KEY
DUAL
SEPARATE
HARMONY
FUNCTION TEAM
NUMBER EFFECT
FUNCTION

    63: SynStr92
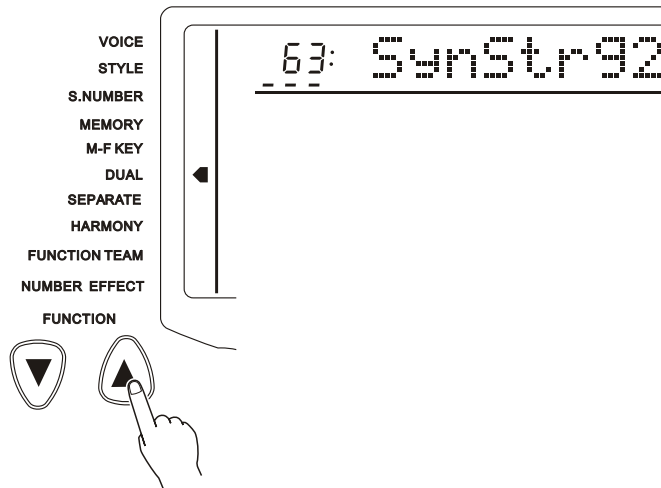
■ 2. Selecting/setting the function
● Select the function by the CURSOR button ▲▼. Then use the [-/NO]&[+/YES] or the NUMBER button to select the parameter setting. The current setting appears on the display.

CURSOR

VOICE
STYLE
S.NUMBER
MEMORY
M-F KEY
DUAL
SEPARATE
HARMONY
FUNCTION TEAM
NUMBER EFFECT
FUNCTION
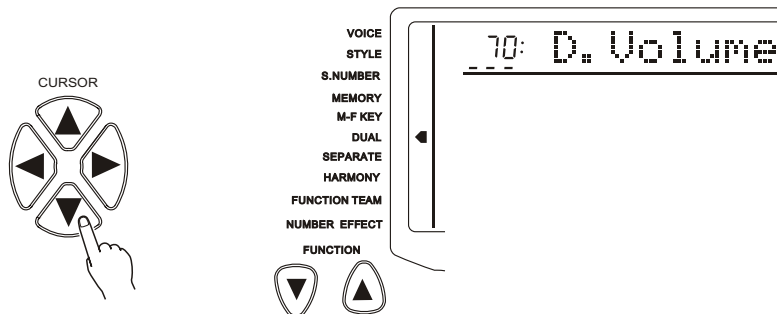
    70: D.Volume

Function	Explanation
Dual voice	To select the second Voice, Its parameter appears in the display. This keyboard has 153 different voices.
D. Volume	Setting the volume of the voice (0-127)
D. Octave	Change the volume of the second octave Voice. -1: -1 Octave -2: -2 Octave +1,+2: +1,2 Octave. The original setting by the Function team.
D. Revlv1	Setting the second voice of the dual output Rev-level. From 0 (none)to 127 (Max Effect)
D.Cholv1	Setting the second voice of the dual output Cho-level. From 0 (none)to 127 (Max Effect)
D.Pan	Setting the pan of the dual. From -7(left) to +7 (right)

■ **3.Quit**

Press the [VOICE] button or select the other function to quit from this mode.

SUSTAIN

Press Sustain pedal to turn on / off sustain function. When this function is on, the sound will be sustained.

TRANSPOSE

*.*This function makes the keyboard transpose a half tone.*

● 1.**TO SELECT THE PARAMETER OF THE TRANSPOSE**

Use the CURSOR button⊕⊖ to select the number at right side of the "TRANSPOSE" in the screen display, which makes the number flash.
*.Press the [-/N]&[+/YES] at the same time can remove the transpose parameter to 0.
The new parameter of the transpose will act on the following tone.

● 2. **To set the parameter you need**
Use the [-/NO]&[+/YES] or the NUMBER button to select the parameter number(-12 to +12).0 stands for the standard pitch**.**
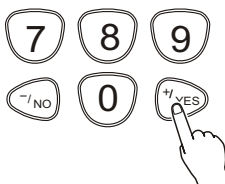
*. *Press the [-/NO] and the NUMBER button at the same time can input the (-) number.*

NUMBER EFFECT

RB RANGE

The roller on the left side of the keyboard could change the volume of the keyboard. Up to rise and down to reduce.

The extension could be set by the "PBRange" parameter by the Function Team.
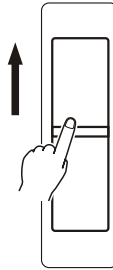
USING NUMBER EFFECT
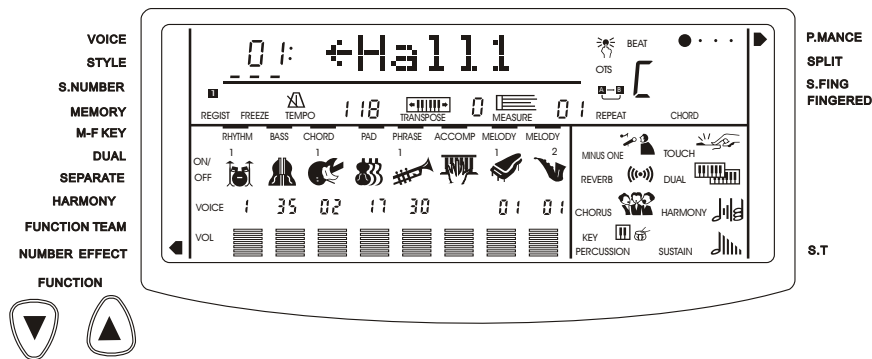
This keyboard provides many Number Effects:8 Halls; 8 Chorus; 3 D Effect to make your play perfect.

CHANGING THE REVERB EFFECT

Selecting the Reverb Style

• **1.Selecting the Reverb function**

Press the FUNCTION button till the "arrow" points to the NUMBER IMPACT position. Then select the REVERB by the CURSOR buttons.
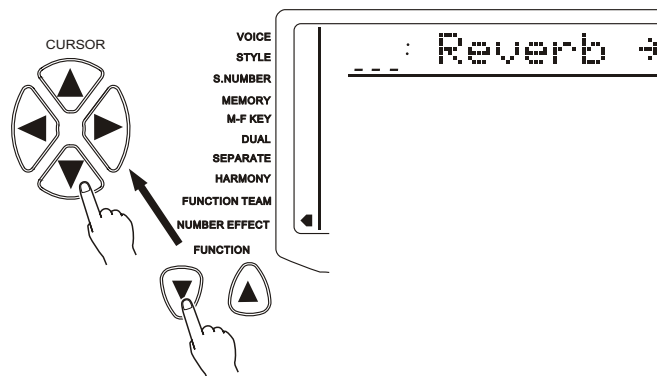
● **2.Selecting the Reverb type**
   Use the ▶ CURSOR to enter in. Then use the [-/NO] & [+/YES] or NUMBER button to select one of the 8 Reverbs. The relative name appears on the display.
   Also you can press [REVERB] button until the arrow in the screen points to the Number Effect position.
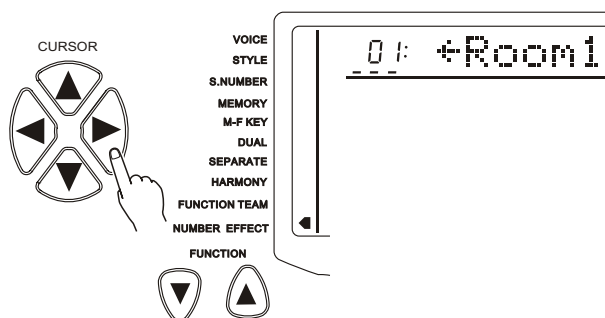
● **3.Quit**
   Press [VOICE] button or to select another Function to quit.

   Notice:
      Pressing both [-/NO] & [+/YES] buttons returns to the original Reverb setting.
      Press the (<) CURSOR to return to the former page. 'Reverb' and then select the Chorus.

   Reverb Type:

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

━━━━━━━━━━ **Setting Reverb Return Level** ━━━━━━━━━━

   This parameter determinates the output of the Reverb Effect

● **1.Selecting the Reverb Return Level**
   Press the FUNCTION button till the "arrow" points to the NUMBER IMPACT position.
Then select the RevRtnlv by the CURSOR button.

   Notice:
      This setting influences all the voices. Every voice of the reverb send Level (including Split & Dual) could be set separately.
      Press both [-/NO] &[+/YES] buttons may return to the original setting of Reverb return level(64).

● **2.Setting Return Level**
   Use the [-/NO] & [+/YES] or NUMBER button.

● **3.Quit**
   Press the [VOICE] button or select another function to quit.

CHANGING THE CHORUS

Selecting the Chorus Style

- **1.Selecting the Chorus Function**

    Press the FUNCTION button till the "arrow" points to the NUMBER IMPACT position. Then select the Chorus by the CURSOR button.

```
CURSOR                    VOICE
                          STYLE          :  Chorus  →
                          S.NUMBER
                          MEMORY
                          M-F KEY
                          DUAL
                          SEPARATE
                          HARMONY
                          FUNCTION TEAM
                          NUMBER EFFECT
                          FUNCTION
```
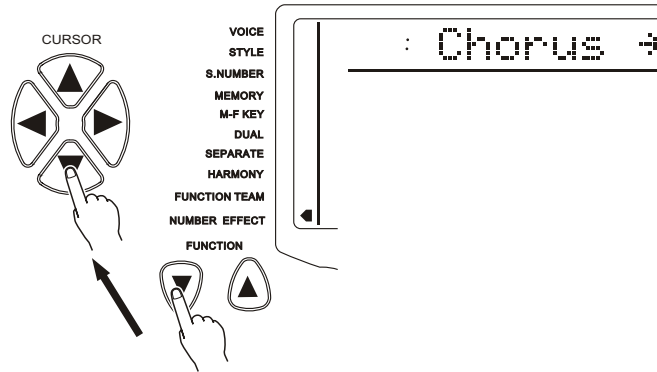
- **2.To select the Chorus style**

    Use the ▶ CURSOR to enter in. Then use the (-/NO) & (+/YES) or NUMBER button to select one of the 8 Chorus. The relative name appears on the display.

```
CURSOR                    VOICE
                          STYLE        __:  ←Chorus1
                          S.NUMBER
                          MEMORY
                          M-F KEY
                          DUAL
                          SEPARATE                     PERCU
                          HARMONY
                          FUNCTION TEAM                CHORUS
                          NUMBER EFFECT
                          FUNCTION                     DUAL
```
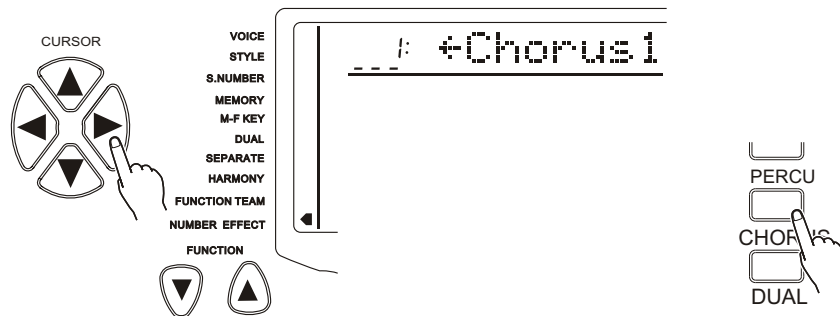
    You may also press the CHORUS button till the "arrow" points to the NUMBER IMPACT position, and the current chorus name appears in the screen display.

- **3.Quit**

    Press the [VOICE] button or select another function to quit.

Notice:
Press both [-/NO] & [+/YES] button may return to the original setting of Chorus style.
Press the ◀ CURSOR to return to the former page: 'Chorus' and then select the Reverb 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

Seting the chorus Return level

This parameter determines the output level of chorus Effect.
- **1.Selecting the Chorus Return Level**
    Press the FUNCTION button till the "Arrow" points to the NUMBER IMPACT position.
   Then select the ChoRtnlv by the CURSOR button.

```
 64: RevRtnLv
```

- **2．Setting the Return Level**
   Use the [-/NO] & [+/YES] or NUMBER button. （00-127）

- **3．Quit**
   Press the [VOICE] button or select another function to quit.
   Notice:
    This setting influences all voices. Every voice of the reverb send Level (including Split & Dual) could be set separately.
    Pressing both [-/NO] & [+/YES] buttons may return to the original setting of Reverb return level.(64).

3 D EFFECT

*. Press the FUNCTION button till the "arrow" points to the FUNCTION TEAM position. Then use the CURSOR ▲▼ button to select the parameter of 3 D EFFECT. Meanwhile you can use the [-/NO] &[+/YES] button to open/close the 3D EFFECT.

USING AUTO ACCOMPANIMENT

*.The following procedure describes how to use the keyboard's Auto accompaniment
feature.
The keyboard comes with 100 built-in styles, and provides with complete
accompaniment band or rhythm.
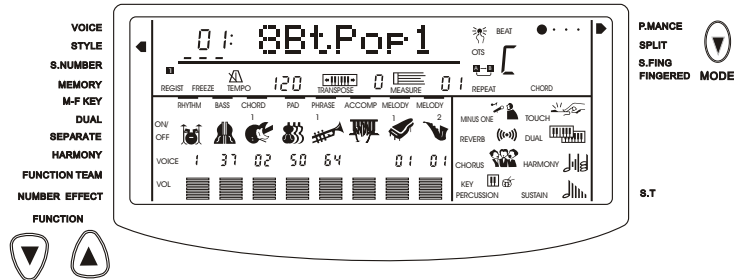
■ 1.Selecting the SINGER FINGER or FINGERED Accompaniment Mode

Keep pressing the [MODE] button (on the right side of the screen) till the "arrow"
points to the SINGER FINGER or FINGERED MODE.
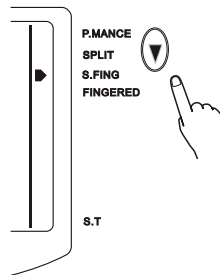
*.SINGER FINGER MODE
Under this mode, the chord accompaniment lets you play four types of chords with
one or two fingers..
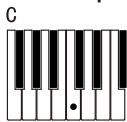
Example		Chord Types
C	Major	Major chord---Press the root note of the chord.
Cm	Minor	Minor chord----Press the root note together with the nearest black key to the left of it.
C7	Seventh	Seventh chord----Press the root note together with the nearest white key to the left of it.
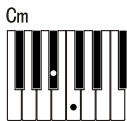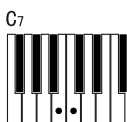
Cm7

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
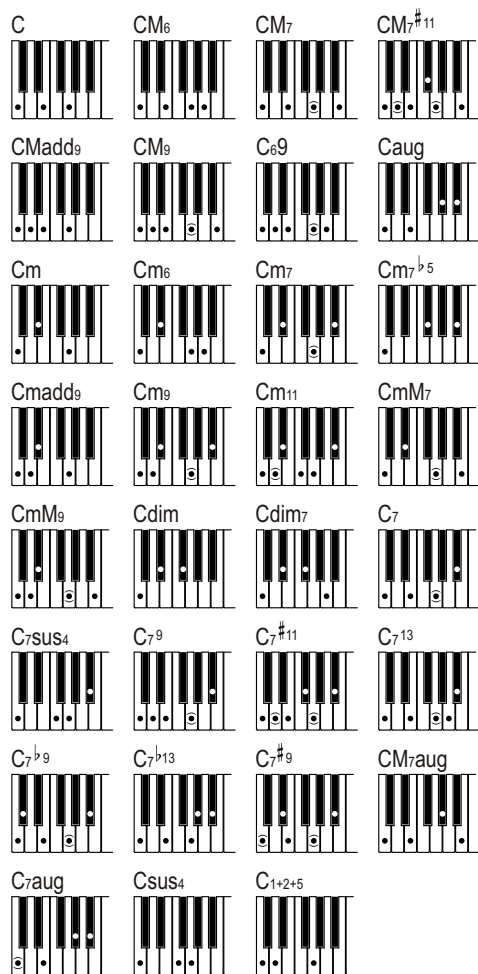
CHORD NAME	ABBREVIATION	
MAJOR	M	1-3-5
MAJOR SIXTH	M6	1-3-5-6
MAJOR SEVENTH	M7	1-3-(5)-7
MAJOR SEVENTH SHARP ELEVENTH	M7#11	1-(2)3#4-(5)-7
MAJOR ADD NINTH	Madd9	1-2-3-5
MAJOR NINTH	M9	1-2-3-(5)-7
MAJOR SIXTH ADD NINTH	69	1-2-3-(5)-6
AUGMENTED	aug	1-3-#5
MINOR	m	1b3-5
MINOR SIXTH	m6	1b3-5-6
MINOR SEVENTH	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 2-3-5-6-7
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, m7b5, 6, m6, sus4, aug, dim7, 7b5, 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.

■ **2.Selecting the STYLE Function**
   Press the [STYLE] button to select this mode. Or keep pressing the [FUNCTION] button till the "arrow" points to the STYLE position.

VOICE
STYLE
NUMBER
MEMORY
M-F KEY
DUAL
SEPARATE
HARMONY
FUNCTION TEAM
NUMBER EFFECT
FUNCTION

_01: 8Bt.Por1

VOICE
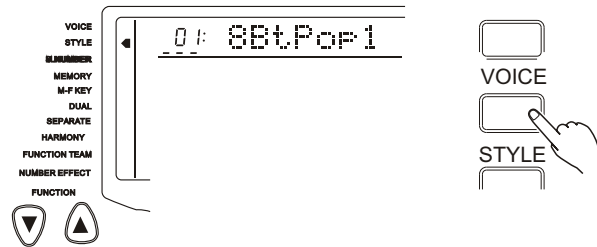
STYLE

   *. Keep pressing the [STYLE] button to quickly select the ACCOMP VOL parameter in the total function team.
[refer to P 43]

8-BEAT	ROCK	HOUSE	HOUSE1	BLUES	BALL ROCK	R&R	SWING	WALTZ1
16-BEAT	BALLAD	TECHNO	DANCE2	JAZZ1	SLOW ROCK	TWIST	JAZZ2	JAZZ3
COUNTRY1	REGGAE	SAMBA	CHACHA	MAMBO	FOX	TANGO1	WALTZ3	MARCH
WALTZ2	BOSSA	RUMBA	SALSA	LATIN	WALTZ3	TANGO2	WALTZ4	POLKA

A/B
STYLE
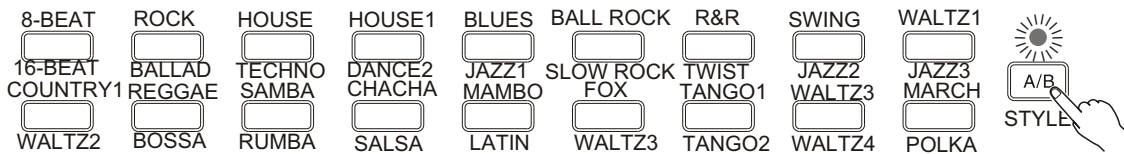
■ **3.Selecting a STYLE**
   *. Use the [-/NO]&[+/YES] button or the NUMBER buttons to select one of 100 style of this keyboard.
   In the front panel there are some chord styles. More information please refer to P. 53. The current style number displays in the screen.
   *. Directly press the STYLE [A/B] button[below the front panel]to select the common 36 styles. The selection for up and down side. While [A/B]up- light on, the voice you select is the down side, while the down-light the up side style.

■ **4.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.
   To select the Tempo of 40-240/tempi by the TEMPO ▲ ▼ button. Every press to increase one tempi. Keep pressing to quicken the procedure. Press the ▲ ▼ at the same time to return to the original tempo.

TEMPO

TEMPO 118
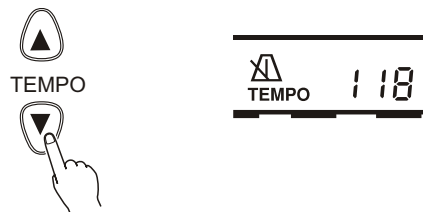
   You may also select the Tempo parameter by the CURSOR button. Use the [-/NO] & [+/YES] button or the NUMBER button to change the parameter. Press the [-/NO] & [+/YES] button at the same time to return to the original tempo. You can select this while playing or before the performance.

*. To input the Tempo(100-199), keep press the (1) button till it displays on the hundred fold position and then press the rest two numbers.
*. To input the Tempo (200-299), keep press the (2) button till it displays on the hundred fold position and then press the rest two numbers.

■ **5 Starting the Accompaniment**

*.Direct start:
   Press the [START/STOP] button, rhythm will start playing the current choice A or B without Bass and chord.
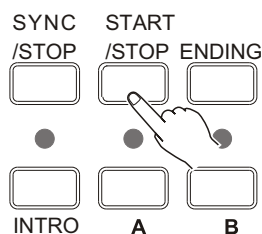
*.Started from Intro, and then play the Main [A]
   Press the [INTRO] button, and then press the [A] to make the light on. (If the light is already on, then you do not have to press this button.)
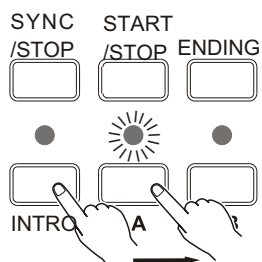
*.Started from Intro, and then play the Main [B]
   Press the [INTRO] button, and then press the [B] to make the light on. (If the light is already on, then you do not have to press this button.)
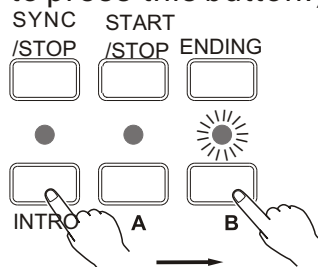
*. SYNC Start
   Press the [SYNC/STOP] button to enable you to play any style of the accompaniment while you first press the Split Point in the left keyboard. 54(F#3).
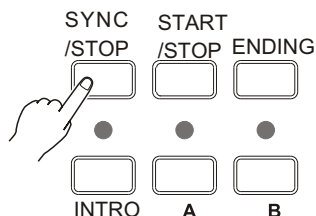
Pressing the [SYNC/STOP] button only makes the accompaniment play after you first press a key on the left hand of the keyboard. Pressing the [SYNC/STOP] button first and then press the [INTRO]& [MAIN] buttons enables you to have the Sync with intro. While selecting the Sync style, tempi light flashes 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.
. The Split Point setting could be changed by the Function Team.

■ **6. Using Auto Accompaniment**

This keyboard 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.
The name of the chord displays in the screen.
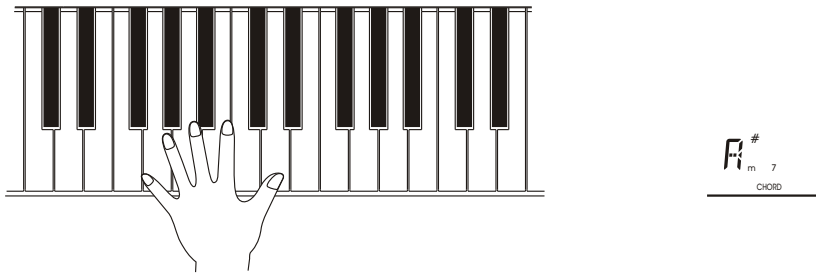
*. **BEAT display**
   In the BEAT part shows current Beat.

	4/4 time	3/4 time
1st beat	●●●●	●●●●
2nd beat	• ● • •	• ● • •
3rd beat	• • ● •	• • ● •
4th beat	• • • ●	**BEAT**
	BEAT	

■ **7. To select Main (A) or (B)**

While playing, you can freely choose Main [A] or [B]. After you press [A] or [B], this keyboard will automatically add in a kind of fill-in(altogether 2 kinds), in order to make the change smoothly. This is also available for the same part. For example: While you are playing Main [A] and press the Main [A] at the same time, this keyboard will quickly fill in, and then continuously play the Main [A]. The same for different Main.
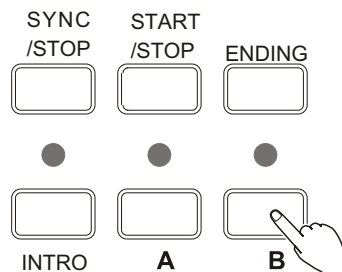
■ 8 Stopping the Auto Accompaniment

Press [START/STOP] button to stop accompaniment. Or press [ENDING] button to stop it after the ending. The Ending will start from the beginning of next measure.
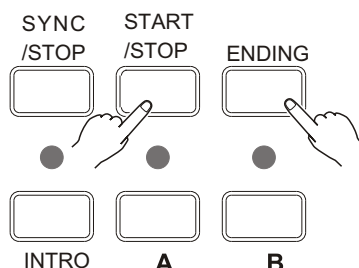
*. The volume of the Accompaniment could be set by the function team. (Refer to P43)

*. Quiescence Accompaniment Function
   Under the function of Single Finger & Fingered, after you stop the accompaniment, if you play on the left part of the keyboard, it will continue playing proper bass chord that suitable for your performance.

```
ACCOMPANIMENT TRACK CONTROL
```

*. This keyboard has 7 Accompaniment Tracks: RHYTHM, BASS, CHORD1/2, PAD and PHRASE1/2. After a style is selected, CHORD1and PHRASE1 will display in the screen. Press FUNCTION button till the "arrow" points to the track position. Press the CURSOR (<)(>) button can select 7 tracks. Then you can use [-/NO] & [+/YES] button to open/close the Accompaniment Track separately.
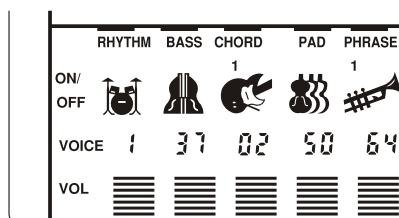
*.The content of Accompaniment Track:

RHYTHM   Provide the Percussion or Drum voice

BASS   Provide different Bass voices, according to the style, such as ELECTRIC BASS; ACOUSTIC BASS

CHORD 1&2   Provide the Rhythm Strings accompaniment, like the voice of Guitar and Piano.

PAD   Provide the long chord, such as strings and Organ.

PHRASE 1&2   Provide the decorations, including the separate Chord, strong note, etc.

Notice: While a style is selected, The track including the data will display in the screen.

■ Changing the Voice of Accompaniment Track

Move the cursor to the VOICE position, to make it flash. Then use the [-/NO] &[+/NO] Button or the NUMBER button to select a VOICE. The voice of the Accompaniment Track is different from the panel. RHYTHM Track could only choose the voice of 1-8. The rest tracks could choose voice (01-128).

```
              PAD

   ON/
   OFF

   VOICE     50     — VOICE NO

   VOL              — VOLUME
```
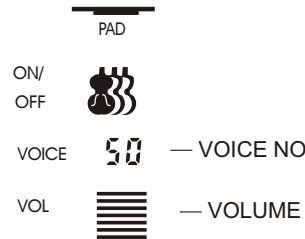
■ Adjusting the Accompaniment Track Volume

Adjusting each VOL would create a Rev Effect. Move the cursor to the VOL position to make it flash. Then use [-/NO] & [+/YES] buttons to set the number. The bigger the number, the higher the VOL. It has a function of keeping the highest Volume.

Notice:
If other style is selected, accompaniment track parameter will recover. You can use the Registration Memory function to save the parameter you need.
After changing the voice or volume, you can press [-/NO] & [+/YES] at the same time to return to the original setting.
The data of accompaniment track have effect on every section(INTRO,MAIN etc). While recording the song, a single track has no sound, and changing the accompaniment track voice and volume function has no effect.

```
┌─────────────────────────────────────────────────────────┐
│    CHANGING THE SPLIT POINT OF ACCOMPANIMENT TRACK        │
└─────────────────────────────────────────────────────────┘
```

● **1.Selecting the split point function**

Press the FUNCTION button on the front panel till the "arrow" points to the FUNCTION TEAM. Then use the CURSOR ▲ ▼ button to select the AccSpPNT.

```
   CURSOR            VOICE
                     STYLE          54:  AccSpPnt
      ▲              SONUMBER
   ◄     ►           MEMORY
      ▼              M-F KEY
                     DUAL
                     SEPARATE
                     HARMONY
                     FUNCTION TEAM
                     NUMBER EFFECT
                     FUNCTION
                       ▼    ▲
```
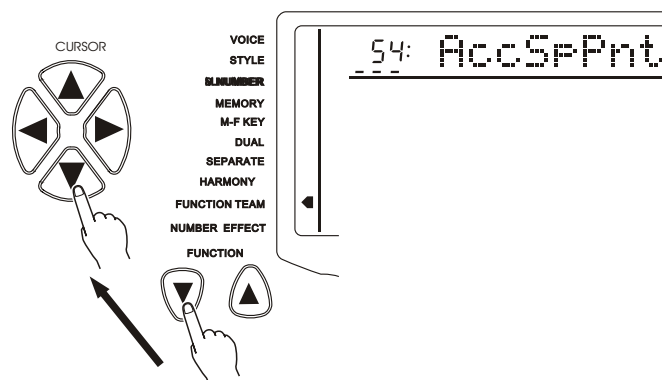
- **2.Setting the Data**

    Input directly by the Key(of the keyboard). Or select by the [-/NO] & [+/YES] or the NUMBER buttons. The relative name appears in the screen. The lowest C1keyboard number is 36; centre C (C3) is 60; and highest C6 is 96. Split point number could be any of 0-127(though it has overpassed the range of this instrument) in order to make easier using the MIDI Function.
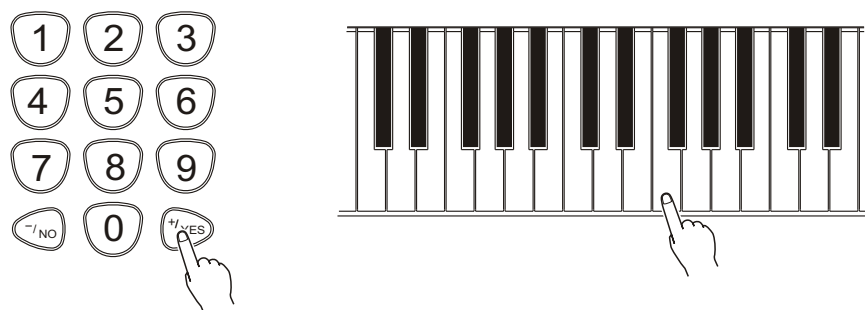
- **3.Quit**
    Press [VOICE] or select other function to quit.

    Notice:
    Split point is the highest not of the left hand part.
    Press the [-/NO] & [+/YES] buttons together can return to the original setting 54.

REGISTRATION MEMORY

REGISTER PANEL SETTING

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

VOICE
STYLE
S.NUMBER
MEMORY
M-F KEY
DUAL
SEPARATE
HARMONY
FUNCTION TEAM
NUMBER EFFECT
FUNCTION

/: Memory 1

REGIST FREEZE TEMPO 118 TRANSPOSE 0 MEASURE 01 REPEAT CHORD
RHYTHM BASS CHORD PAD PHRASE ACCOMP MELODY MELODY
ON/OFF 1 1 2 MINUS ONE TOUCH REVERB DUAL
VOICE 1 37 02 50 64 01 01 CHORUS HARMONY
VOL KEY PERCUSSION SUSTAIN

BEAT
OTS
P.MANCE
SPLIT
S.FING
FINGERED

S.T
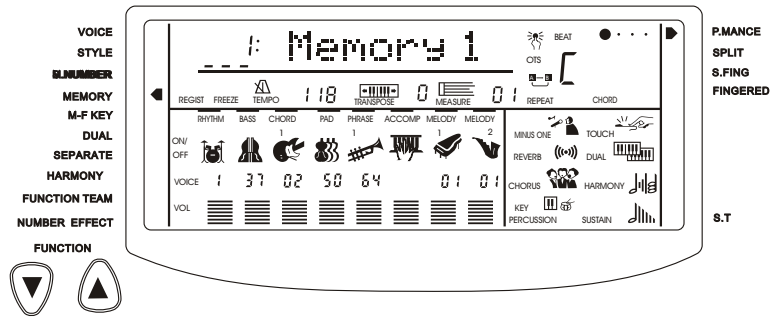
■ 1. Setting the control buttons needed.

The following setting could be saved.

*. Voice number   *. Pan   *. Style number
*. Split voice Parameters   *. Touch sense   *. Accompaniment Vol
*. Dual parameters   *. P. B Range   *. Split Point (Accompaniment function)
*. Harmony/Echo type   *. Metronome (on/off)   *. Reverb (Reverb RevRtnLv)
*. Volume of the keyboard   *.Percussion team   *. Chorus (Chorus ChoRtnLv)
*. Octave   *. 3D Effect (on/off)   *. Tempo. Transpose
*. Rev Level   *. Chorus Level   *.Accompany vol data(open/close;Vol;Ttone)
                                                                      *Mode (Normal; Duel; Fingered; 8 Finger)

■ 2. Selecting the Memory Bank (if needed)

There are altogether 8 banks for your choice. Press the FUNCTION button in the front panel till the "arrow" points to the MEMORY position. Then use the [-/NO] & [+/YES] buttons or the Memory button (M1-M8) to select.

■ 3. Registering the setting

while holding down the Memory button, press a memory number button (M1-M8) to make this keyboard memory a new setting. The former data will be erased. The corresponding register number appears at the position of the REGIST in the screen.

MEMORY M1   M2   M3   M4

FREEZE M5   M6   M7   M8
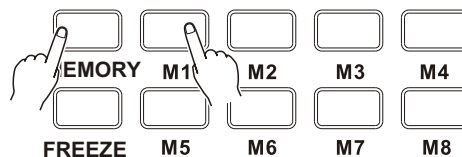
Notice:
    Holding the MEMORY button can quickly select the Memory Function.
    While registered, the former data is replaced by new comers.

RECALLING THE REGISTERED SETTING

*After select a Memory Bank, press the registration memory number button may recall
the corresponding parameter setting. The register number will appear in the screen at
 the REGIST position. And the parameters will appear in the screen.

REGIST

MEMORY   M1   M2   M3   M4
FREEZE   M5   M6   M7   M8
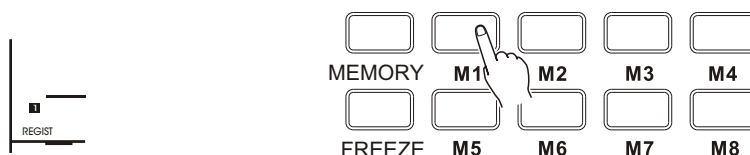
FREEZE

* Under this function, recalling a memory number will not change the parameters of the
accompaniment. This will not disturb your playing while using different memory settings
Press the [FREEZE] button to open/close the function. When this function is on, the
word FREEZE appears in the screen.

REGIST   FREEZE

MEMORY   M1   M2   M3   M4
FREEZE   M5   M6   M7   M8
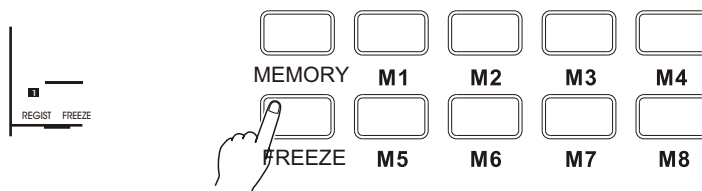
Notice:
Selecting different memory bank will not close the FREEZE function.

RECORDING

*. You can record and replay a song by this keyboard. The song includes the accompaniment and the melody you played. The song track includes an accompaniment track and two melody tracks. Song 7 is a user song(to record your performance). This keyboard lets you record a complete user song at one time.

MELODY TRACK RECORDING
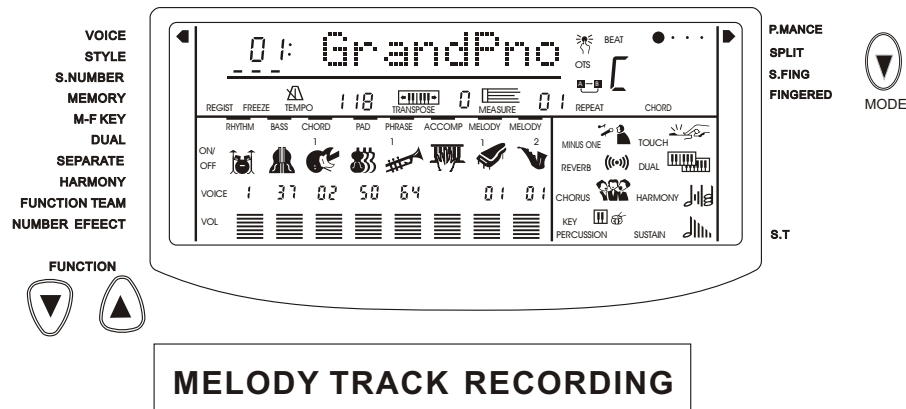
Melody Track Recording can control the following operation and data.
*. Note ON/OFF   *. Voice number of the Dual (vol; Octave; Rev; Chorus Level; Pan)
*. Touch   *. Range
*. Voice number   *. Rev
*. Octave   *. Duel switch
*. Vol of the Keyboard *. P.B Range
*. Tempo (accompaniment and melody track)

*. It records only at the beginning of a song. Any changes made during recording will not be recorded.

■ 1.Selecting a Song Number

If needed, press the FUNCTION button to select a S. NUMBER. Then use the [-/NO] & [+/YES] buttons or the NUMBER buttons to select Song 7 (user song)
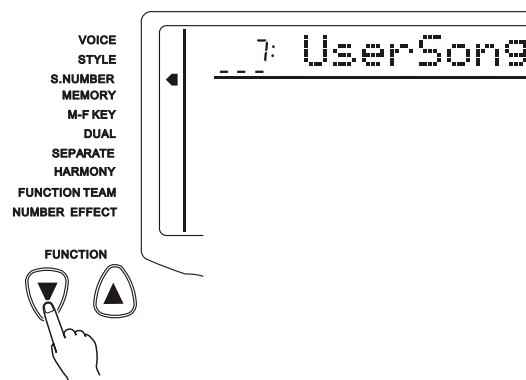
■ **2.Selecting the Voice and Setting the relative parameters**

After selecting the voice, you can set the Effect and other parameters.

Notice:
You can not record in Split Mode. While preparing for recording, the keyboard automatically selects the normal mode.

■ **3.Entering into the Melody Track Recording Preparation**
Press the [RECORD] button, and the light flashes. While REC appears at MELODY 1 position, it shows that it is ready. Use [-/NO] & [+/YES] buttons or the NUMBER buttons to select another Melody Track..
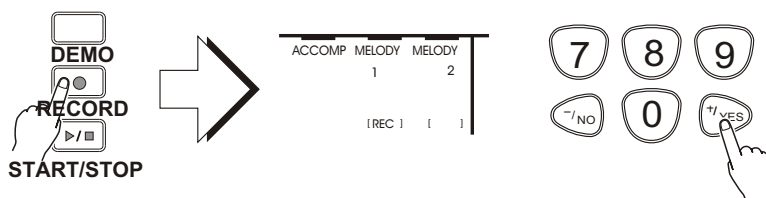
Beat flashing shows the current tempo. If the BEAT function is on, it flashes by the tempo.

Notice:
If the former recorded accompaniment track is on (the relative mark shows in the screen), It could be monitored while recording. If you do not need the accompaniment, press the FUNCTION button to the Song Track position and use the CURSOR ⏶⏷ to select the Accompaniment track. Use the [-/NO] to close it. Once you press the REC button, this Keyboard will automatically select the Music 7USERSONG.
The melody track volume is the current volume of the keyboard.
Each time you could only record one Melody track.
Press the REC again to quit the record standby state.
After entering into the record standby, the keyboard will set the measure as 01. (Not From the pointed measure.)

■ **4.Recording**
Just play the keyboard or press the [PLAY/STOP] button to start recording. Time indicator shows the current Time.
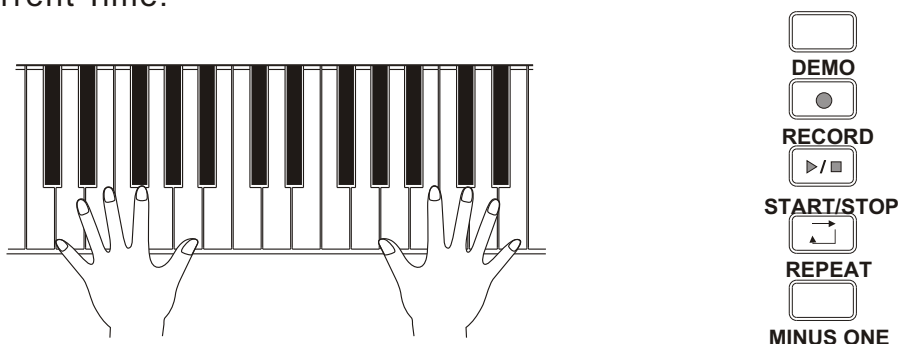
Notice:
Song recording will delete all the former data of the same track.
Recording proceeds by measures. If you stop between the measure, the rest will be recorded as pause.
If the music Memory is full, the letter FULL will appear on the screen. The recording Stops.
Only the Voice number (Voice function) shows in the Melody Track. (No Dual)

■ **5.Stop recording**

Press the [PLAY/STOP] button, and REC disappears and the volume of the Melody track appears in the screen.

```
▶/■
```
START/STC

ACCOMP TRACK RECORDING (WITH/WITHOUT MELODY)

Song accompaniment track can record the following data and operation:

*. Section change (INTRO, FILL IN, ENDING) *. Style number
*. Chord change, current value   *. Melody track on/off, Voice, Volume change
*. Rev   *. Accompaniment volume
*. Chorus
* *Only start recording when the song begins, and the changes made during the performance will not be recorded.*

● **1.Selecting a Song number**

If needed, press the FUNCTION button to select the Song number. Then press the [-/NO]& [+/YES] or the NUMBER buttons to select Song Number 7(USER SONG)

VOICE
STYLE
S.NUMBER
MEMORY
M-F KEY
DUAL
SEPARATE
HARMONY
FUNCTION TEAM
NUMBER EFFECT

`7: UserSong`

FUNCTION
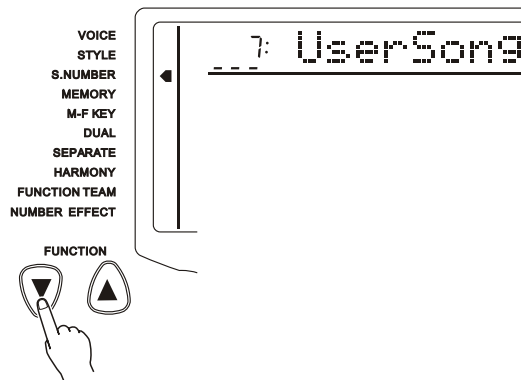
● **2.Selecting Single Finger or Fingered Mode**

Select Single Finger or Fingered mode and any style to suit the song.

P.MANCE
SPLIT
S.FING
FINGERED MODE

S.T
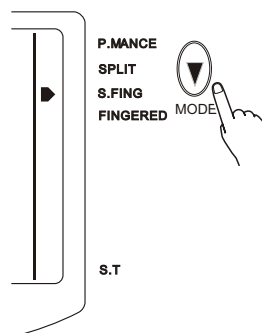
3.Entering into ACCMP / Melody Recording Preparation

Press the REC button, and the light flashes. "REC" appears at the ACCOMP and MELODY position. Use the [-/NO] &[+/YES] or NUMBER buttons to select another melody track. You may also not select any Melody track.

The Time flashes to show current Tempo. If the METRONOME function is on, it flashes by the Tempo.


```
ACCOMP  MELODY  MELODY
           1        2
[ REC ]   [ REC ]   [    ]
```
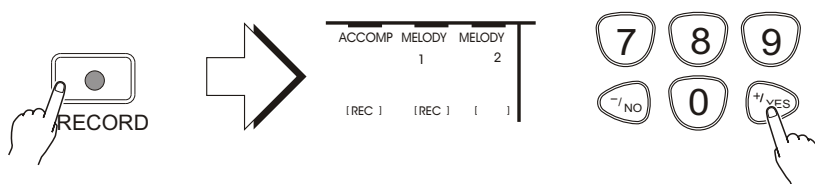
Notice;

If the former recorded Melody track is on (the relative icon shows in the screen), it could be monitored while recording. If you do not need the Melody sound, press the FUNCTION button to the MELODY position and use the CURSOR ▲▼ to select the Melody 1,2. Use the [-/NO] to close it.

The volume of the melody is the current accompaniment volume.

After entering into the record standby, the keyboard will set the measure as 01. (It could not start from the pointed measure)

4.Recording

At this moment it records the left part of the keyboard you play. If you record both the Accompaniment and the song, playing at the right part of the keyboard will start recording the melody.
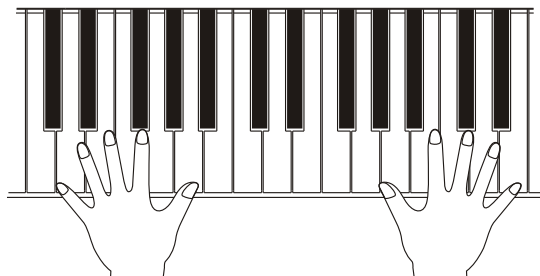
Also you can start recording by press the [START/STOP] button. At this moment there is only Rhythm. Only when you play the accompaniment chord come the Chord and Bass.


```
SYNC     START
/STOP    /STOP    ENDING

INTRO    A        B
```
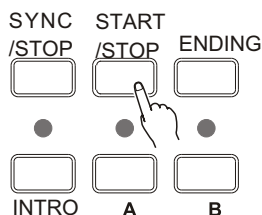
Play every section of the accompaniment(intro, main, etc). If you'd like to record both Accompaniment and Melody, playing at the right part of the keyboard will record the Melody.

```
MEASURE  02
```

Notice:

Song recording will delete all the former data of the same track.

Recording proceeds by measures. If you stop between the measure, the rest will be recorded as pause.

If the music Memory is full, the letter FULL will appear on the screen. The recording stops.

5.Stop Recording

You can stop recording by pressing the [START/STOP] button either in the Song part or auto accompaniment part, or pressing the [ENDING] button.

If the record is stopped, there is no REC signal in the screen.

Voice number and volume of the accompaniment show in the screen.

> ### Accompaniment & Melody Tracks Playback

1.Selecting S.NUMBER

If needed, press the FUNCTION button to select the Song Number. Then use the [-/NO] & [+/YES] or NUMBER buttons to select No. 7 (USER SONG)
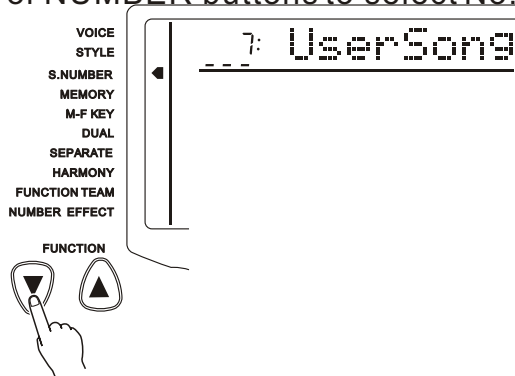
2.Start Playback

Press the [START/STOP] button, and you could open/close the accompaniment & melody tracks according to your need.

3.Stop Playback

The playback automatically stops at the end. You can also press the [START/STOP] button to stop the playback.

Notice:

Press the FUNCTION button to Melody position,and use the Cursor button to select a certain track, and then use the [-/NO] & [+/YES] to open/close this track. When closed, the track mark disappears. When the playback is on, the voice volume can be rewritten.

4.Rewriting the Voice & Volume

While playing, you could rewrite the setting of the voice of any track. After selecting a Voice number of one track (the mark flashes) by the Cursor button, use [-/NO] & [+/YES] buttons to change the setting. The setting will soon work. The voice change in the record data will take in effect at the same time.

While playing, you could rewrite the setting of the volume of any track. After selecting a volume of one track (this mark flashes) by the Cursor button, use the [-/NO] & [+/YES] buttons to change the setting. The setting will soon work. The volume change in the record data will take in effect at the same time.

Notice:

Only the Voice and Volume of the USER SONG can be rewritten.

PRACTICE FUNCTION

*. The keyboard provides two functions to help you practice.
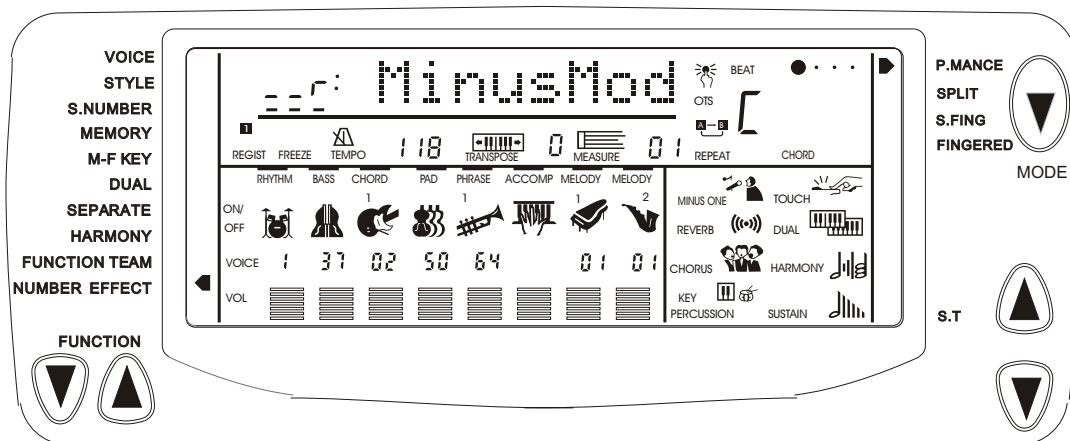
MINUS CHANNEL MODE

*. Under this mode, the left/right part of the keyboard of the DEMO could be closed.
TO make you more convenient to follow the playing. "MinusMod" of the FUNCTION
TEAM has a parameter to control the Channel.
   Press the MINUS ONE button to open this function. The relative mark appears in
the screen.

■ APPOINTING MINUS ONE MODE
   Press the FUNCTION button to select FUNCTION TEAM.("arrow" marks to the
position). Then use the CURSOR button ▲ ▼ to select MinusMod parameter. Use the
[-/NO] & [+/YES] buttons to appoint MinusMod.

Mode	Part Turned Off
‾ ‾ r	Left hand MinusMod
L ‾ ‾	Right hand MinusMod
L ‾ r	Both hand MinusMod

Notice:
   Minus One Mode has no effect on the song you record yourself.
   Holding the MINUS ONE button could quickly select the parameter of MinusMod.
   When the power switch turns to ON, this keyboard will automatically select r(right hand MinusMod)

REPEATED PLAYBACK

*. This function lets you repeat a certain part of the song. While 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.
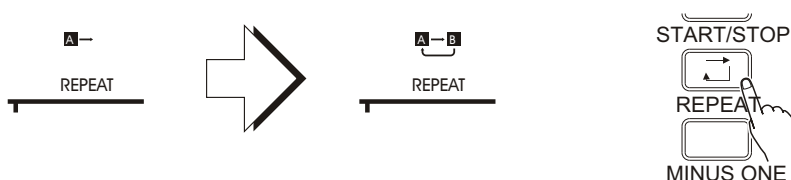
   Also you can set the part you want to repeat even if the playback is off. Use measure
parameter to set point A and then press the [REPEAT] button. Then set point B, and
press [REPEAT] button again. Press the[START/STOP] button to start the playback of
the part you desired.

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.*

FUNCTION TEAM

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

What displays in the screen are the abbreviations of the Functions. The following list their full names and their parameter extensions.
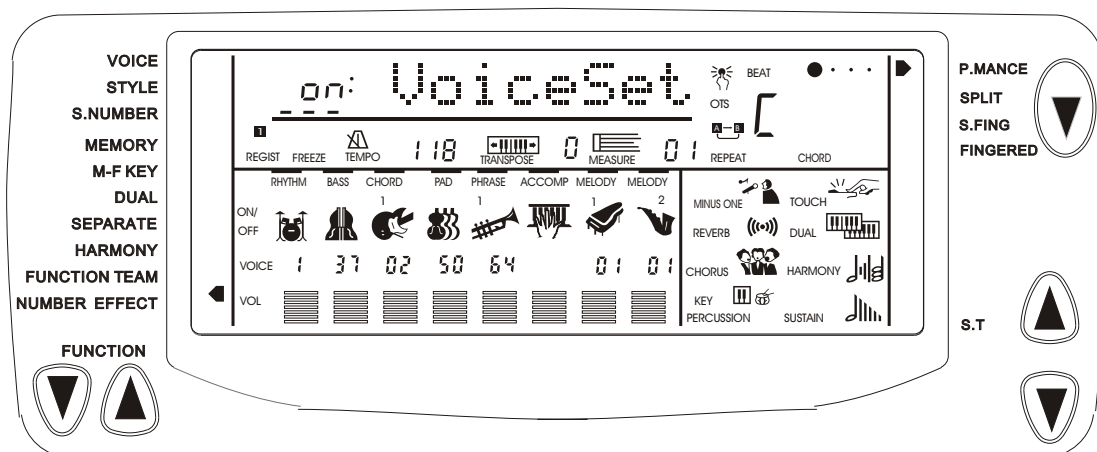
Function	Display	extension	Page No
Keyboard volume	KybdVo1	00～127	44
8 Octave	Octave	-2～0～2	44
Reverb Level	RevLevel	00～127	44
Chorus Level	ChoLevel	00～127	45
Pan	Pan	-7～0～7	45
Voice set	VoiceSet	OFF, ON	45
Accompany volume	Acompvol	00～127	45
Accompany Separatepoint	AccSpPnt	00～127	32
Touch Sense	TouchSns	00～127	46
Minus mode	MinusMod	-r, L--, L-r	41
Minus channel right	MinusChR	01～16	46
Minus channel left	MinusChL	01～16	46
P B Range	PBRange	01～12	46
Metronome	Metronom	OFF, ON	46
Pitch	Pitch	-100～100	46
Remote channel	RemoteCh	OFF, 01～16	47
Keyboard output	KybdOut	OFF, ON	47
Keyboard Percussive	KBDPERC	01～10	17
3D Effect	3DEffect	OFF, ON	25

Press the FUNCTION buttons to select the FUNCTION TEAM function (The "arrow" marks the position). Use the CURSOR button to select the parameter you need and then use [-/NO] & [+/YES] buttons (or NUMBER buttons) to set the parameter.

CURSOR

VOICE
STYLE
S.NUMBER
MEMORY
M-F KEY
DUAL
SEPARATE
HARMONY
FUNCTION TEAM
NUMBER EFFECT

FUNCTION

```
100: Kybd Vol
```

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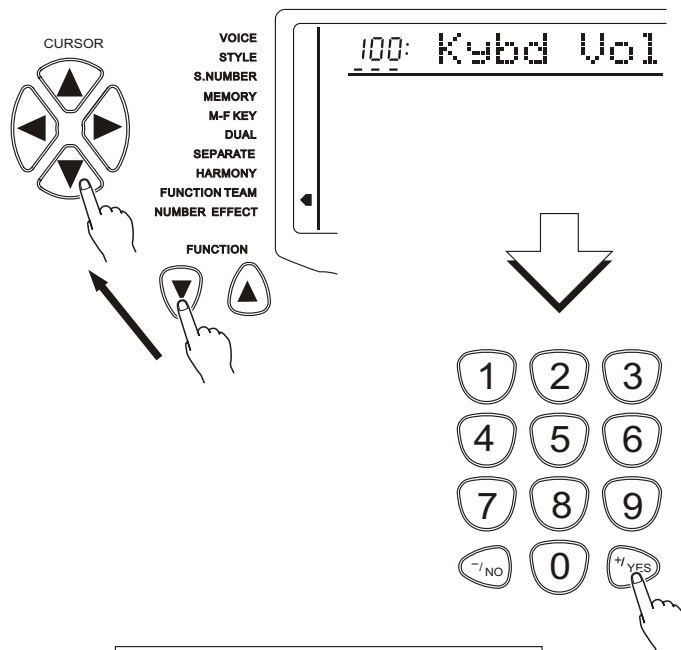
COMMON FUNCTIONS

■ **KEYBOARD VOLUME**

To set the volume suitable to the accompaniment and playback.(including DUAL & SPLIT VOICE). Extension:00 to 127. 00 stands for no sound, and 127 the highest Vol.

```
100: Kybd Vol
```

Notice:
Holding the [VOICE]button can quickly select this function.
Press both [-/NO] & [+/YES] buttons to return to the original volume setting(100).

■ **8 OCTAVE**

To change the Octave pitch of the right part of the keyboard. -1 is to fall by an Octave, and -2 by Octaves, and +1,+2 to rise by one or two Octaves.

```
0: Octave
```

■ **REV LEVEL**

To set the voice output to the REV LEVEL. Extension: 00-127. Return LEVEL is set by "SET RETURN REV LEVEL" above.

```
28: RevLevel
```

Notice:

Press both [-/NO] &[+/YES] buttons to return to the original setting of Return REV -
LEVEL(28)

■ CHORUS LEVEL

Setting tone output to the CHORUS LEVEL. Extension: 00-127. Return chorus level
is set by "SET RETURN CHOLEVEL" above.

```
 70: ChoLevel
```

Notice:

Press both [-/NO] &[(+/YES] buttons to return to the original setting of Return
CHOLEVEL(28).

■ PAN

To change voice stereo phase of the right part of the keyboard by the Voice function.
Extension: -7(left) to +7(right)

```
  0: Pan
```

Notice:

When the Voice Set is on, the PAN you select by VOICE is 0.
Holding [-/NO] and NUMBER button to input minus number.
Press both [-/NO]& [+/YES] bottons to return to the original setting.

■ VOICE SET

This function automatically sets the parameters which have great influence on voice,
in order to create the best effect..
The following are the types of different parameters.
*. Octave   *.REV LEVEL
*. CHO LEVEL   *. KBD VOL

```
 on: VoiceSet
```

■ ACCOMPANIMENT VOLUME

To set suitable volume for Melody and Playback. Extension: 00-127. 00 stands for no
sound and 127 the highest volume.

```
100: AcompVol
```

Notice:

Hold the [STYLE] button to quickly select this function.
Press both the [-/NO] & [+/YES] buttons to return to the original volume setting(100).

■ **TOUCH SENSE**
When the Touch Response function is on, this parameter determines the touch sense. The bigger the number, the higher the sense.

```
100: TouchSns
```

Notice:
Press both the [-/NO] & [+/YES] buttons to return to the original volume setting(100). Holding down the [TOUCH] button can quickly select this function.

■ **MINUS CHANNEL MODE.**
You can make the Song(DEMO)Minus counterpoint to the passage. By closing the passage you can close the Minus during you practice.

```
01: MinusChR
```

```
02: MinusChL
```

Notice:
Passage 1-16 is available. Press both the [-/NO] & [+/YES] buttons to return to the original number setting(01 for right hand, 02 for left hand).

■ **P.B RANGE**
Set the semitone as a unit. Extension: 01-12 (one octave)

```
02: PBRange
```

Notice:
Press both [-/NO] & [+/YES] buttons return to the original setting (2).

■ **METRONOME**
You can open/close this function. When its open, Metronome sounds with the function under accompany/Usersong and recording.

```
oFF: Metronom
```

Notice:
When the power switch turns on, this function is closed.

■ **PITCH**
Adjusting the Pitch a little bit to fit other musical instruments. Extension is from -100 to100. 00 is the standard Pitch.
Notice:
Press both [-/NO] & [+/YES] buttons to return to the original setting (00).

MIDI FUNCTION

MIDI is an international standard. It connects musical instruments that have this function in order to control and transmit data to each other. Thus , it makes all the instrument a big system and greatly enlarge the whole function.

■ **MIDI INTERFACE**

MIDI IN receives the data from the outside devices to control this keyboard.
MIDI OUT transmits the data from this keyboard (note of the keyboard and Touch data)

MIDI IN   MIDI OUT

Notice:
MIDI connection cable should be no longer than 15m. Otherwise, wrong data and noise may occur.

■ **REMOTE PASSAGE**

To set the MIDI passage from which outside keyboard data is sent, you could select 01-16. The outside keyboard must settled the passage from which data is sent.Its MIDI OUT connects this keyboard's MIDI IN by MIDI cable. When the set is OFF, this keyboard will receive from all 16 passages. Press both [-/NO] & [+/YES] buttons to return to the original setting (OFF)

oFF: RemoteCh

■ **KEYBOARD OUTPUT**

To determine whether the data output from the MIDI OUT.

oFF: RemoteCh

APPENDIX

VOICE LIST

The W680 has 64-note maximum polyphony. This means that it can play a maximum of up to 64 notes at once, regardless of what functions are used. Auto Accompaniment uses a number of the available notes, so when Auto Accompaniment is used the total number of available notes for playing on the keyboard is correspondingly reduced. The same applies to the Split Voice and Song functions.

Caution: The Voice List includes MIDI program change numbers for each voice. Use these program change numbers when playing the W680 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	VOLIN	小提琴
42	41	VLOLA	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

RHYTHM 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 Specification

Keyboard:
● 61 standard touch response keys voice 348PCM
Voice:
● 153 PCM
● the maximum coinstantaneous voice: 64
● the keyboard percussive:1～9 group
● volume:00～127
● octachord:-2～2
● phasic:-7～7
● keyboard split: left hand and right hand voice
● Dual voice right hand voice1;right hand vioce2
● harmony and resonance:10 styles
● DSP reverb styles:8 styles
● DSP chorus styles:8 styles
● The DSP reverb and chorus sending level:00～127
● The DSP reverb and chorus return level:00～127
 Accompaniment
● 100 Rhythms
● Accompaniment track: rhythm, bass, rhythmic chord, long chord, sentence 1/2
● large or small accompaniment mode
● Accompaniment track setting: start/off, voice, volume
● Accompaniment control: synchro, Intro, Main A/B(Auto Fill-ins), ending, start/stop buttons
● Tempo: 40 ～ 240
● Accompaniment Volume: 00 ～ 127
● Accompaniment split
Demonstrations:
● 6 Demo songs and 1 user song
Display:
● 122*50mm large LCD screen with multi-function
Record Track:
● 3 record tracks

Accompaniment Mode:
● Normal Play, Keyboard Split,Single finger chord and fingered chord Faceplate
Parameter Memory Bank
● 8 banks, Accompaniment Freeze
Total Function
● Transpose: -12～+12
  Metronome: ON/OFF
Control Buttons:
● Up/ Down/Right/ Left Cursors, Up/Down Function buttons, Mode button, Numeric buttons:0～9, [+/YES]/[-/NO], Style buttons, Voice buttons
● MIDI function:
  Receive and Send
Auxiliary Interfaces
● DC input, earphone/ auxiliary output: foot switch
● MIDI IN&OUT
Power Switch
5W*2(used with special DC power supply)
● earphone/auxiliary output: the resistance output: 32Ω
● loudspeaker
● 12cm*2+5cm*2 the resistance output 4 Ω
Battery:
● 6 batteries with model R14 or other batteries with the same type
Voltage:
● DC 88 ～ 15V
Packing Measurement
● 1030(L)*420(W)*190(H) mm
Gross Weight/Net Weight
● 10kg/ 8kg
Included accessories:
● music stand
● owner's manual
● Warranty card
● power supply adaptor

The Specifications are subject to change without notice.

W680 OWNER'S MANUAL

Owner's Manual