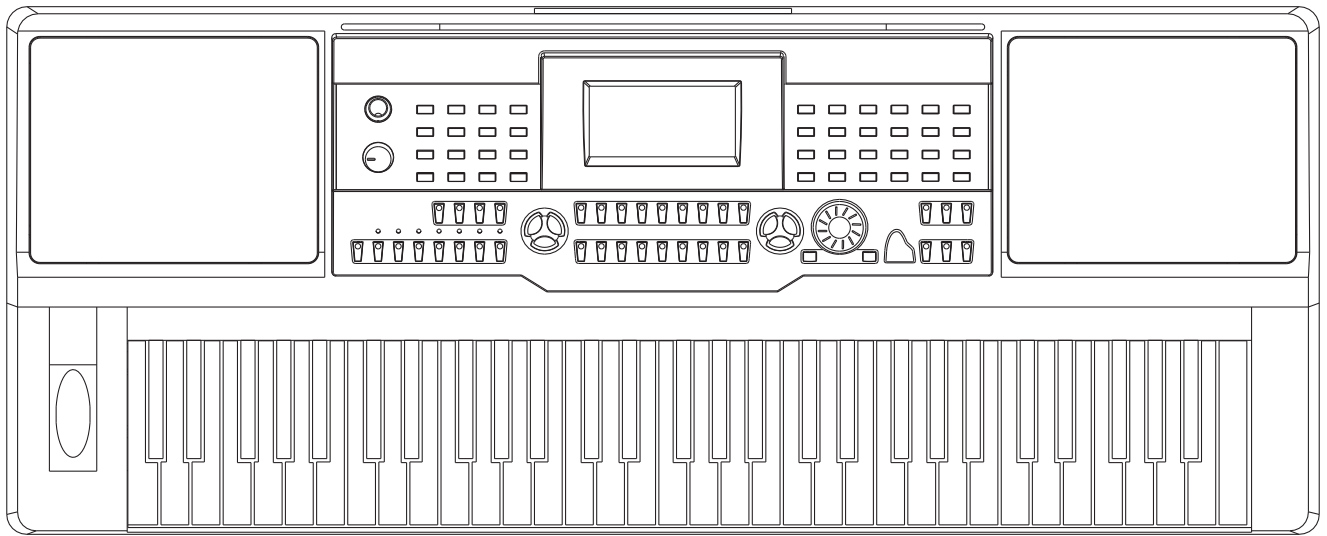# Instruction Manual
ELECTRONIC KEYBOARD

Introduction

Congratulations on your purchase of this Electronic keyboard!
The keyboard is an user friendly keyboard with fabulous sound quality and advance feature such as style record and self-learning. No matter you are adult or children, you will enjoy playing the keyboard as it provides amazing styles for accompaniment, expressive tones, and real time record. Other features such as numbered musical notation display chord dictionary, variety of songs will help you better master the playing skill.

You are recommended to study this manual carefully before using the unit.

Inside This Package

Please make sure the package completely contains the following:

● The Instrument

● === 12V Adaptor

● Instruction Manual

● Music Rest
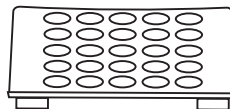
⚠ Important Notes

Your keyboard will give you years of playing pleasure if you follow the simple rules given below:

Location

- Do not expose the unit to the following conditions to avoid deformation, discoloration, or more serious damage
  - Direct sunlight
  - High temperature (near a heat source, or in a car during the day time)
  - Excessive humidity
  - Excessive dust
  - Strong vibration

Power Supply

- Make sure to use the suitable AC adaptor, and also make sure the AC outlet voltage at your country matches the input voltage specified on the AC adaptor's label
- Turn the power switch OFF when the instrument is not in use
- An AC adaptor should be unplugged from the AC outlet if the instrument will not be used for an extended period of time
- Unplug the AC adaptor during electric storms
- Avoid plugging the AC adaptor into the same AC outlets as appliances with high power consumption, such as electric heaters or ovens. Also avoid using multi-plug adaptors since this could reduce sound's quality, causes operation errors and damages

Turn Off Power When Making Connections

- To avoid damaging the instrument and other devices to which it is connected, turn off the power switches of all related devices prior to connecting or disconnecting cables

Cleaning

- Clean the unit with a soft dry cloth
- Slightly dampen a cloth helps to remove stubborn grime and dirt
- Never use cleaners such as alcohol or thinner
- Avoid placing vinyl object on top of the unit (vinyl might discolor and stick to the surface)

Handling and Transporting

- Never apply excessive force to the controls, connectors or other parts of the instrument
- Always unplug cables by gripping the plug firmly, but not pulling the cables
- Disconnect all cables before moving the instrument
- Physical shocks caused by dropping, bumping, or placing heavy objects on the instrument could result in scratches or even severe damages

Electrical Interference

- This instrument contains digital circuitry and may cause interference if it is placed too close to radio or television receivers. If this occurs, move the instrument further away from the receivers

Caution! • The normal function of the product may be disturbed by Strong Electro Magnetic Interference. If so, simply reset the product to resume normal operation by following the instruction manual. In case the function could not resume, please use the product in other location.

Main Features

- **KEYBOARD**
  61-key touch response keyboard

- **LCD DISPLAY**
  The keyboard indicates the note
  you playing on the staff

- **VOICE**
  559 voices in total, 36 voices can
  be selected conveniently from the panel

- **STYLE**
  203 styles in total, including 3 user
  styles, 24 styles can be selected
  conveniently from the panel

- **SONG**
  100 songs in total. Each song has
  its learning mode

- **DEMO**
  2 demos in total

- **CHORD MODE**
  Single finger chords, multi finger chords,
  A.B.C. On/Off

- **CHORD DICTIONARY**
  A function for you to learn the chords,
  including Dict 1 mode (dictionary mode)
  and Dict 2 mode (test mode)

📝 NOTE

- By pressing and holding **[YES/+]** and **[NO/-]**
  together and turning the power on simultane-
  ously; default setting will be loaded into the
  keyboard, then the memory and the record
  song will be lost

- **RECORD**
  3 recording song. Each recording song
  has 6 track--1 ACCOMP track and 5
  melody tracks.

- **STYLE RECORD**
  3 recording style

- **MEMORY FEATURE**
  48 memories, 8 banks with 6 memories
  each

- **MIXER MENU**
  Rhythm s、Rhythm m、Bass、Chord1、
  Chord2、Chord3、Phrase1、Phrase2、
  Voice R1, Voice R2, Voice L

- **PEDAL**
  Foot Switch (Sustain Pedal、Soft Pedal、
  Memory Change Pedal、Start/stop Pedal)
  Volume Pedal

- **INTERFACE**
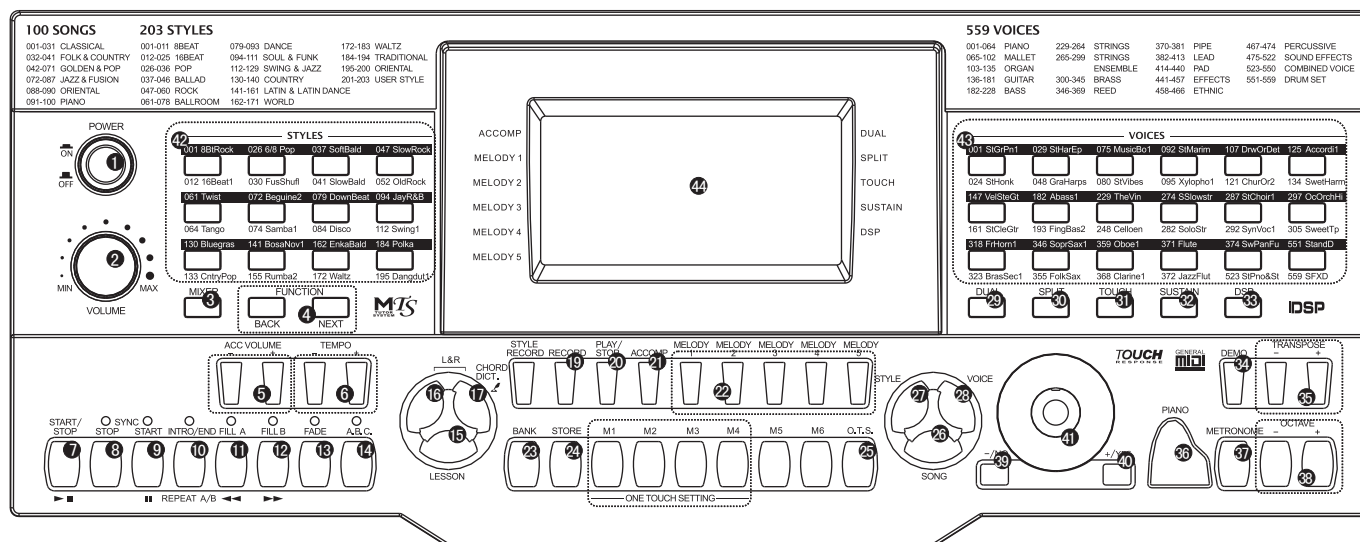 MIDI THRU, IN, OUT
  USB
  Headphones

Contents

General Guide

Front Panel

100 SONGS

001-031	CLASSICAL
032-041	FOLK & COUNTRY
042-071	GOLDEN & POP
072-087	JAZZ & FUSION
088-090	ORIENTAL
091-100	PIANO

203 STYLES

001-011	8BEAT	079-093	DANCE	172-183	WALTZ
012-025	16BEAT	094-111	SOUL & FUNK	184-194	TRADITIONAL
026-036	POP	112-129	SWING & JAZZ	195-200	ORIENTAL
037-046	BALLAD	130-140	COUNTRY	201-203	USER STYLE
047-060	ROCK	141-161	LATIN & LATIN DANCE		
061-078	BALLROOM	162-171	WORLD		

559 VOICES

001-064	PIANO	229-264	STRINGS	370-381	PIPE	467-474	PERCUSSIVE
065-102	MALLET	265-299	STRINGS	382-413	LEAD	475-522	SOUND EFFECTS
103-135	ORGAN		ENSEMBLE	414-440	PAD	523-550	COMBINED VOICE
136-181	GUITAR	300-345	BRASS	441-457	EFFECTS	551-559	DRUM SET
182-228	BASS	346-369	REED	458-466	ETHNIC		

1	POWER ON/OFF		20	PLAY/STOP
2	MASTER VOLUME		21	ACCOMP
3	MIXER		22	MELODY1
4	FUNCTION NEXT			MELODY2
	FUNCTION BACK			MELODY3
5	ACCOMPANIMENT VOLUME −			MELODY4
	ACCOMPANIMENT VOLUME +			MELODY5
6	TEMPO −		23	BANK
	TEMPO +		24	STORE M1-M6

In the Style mode

7	START/STOP
8	SYNC STOP
9	SYNC START
10	INTRO/END
11	FILL A
12	FILL B
13	FADE
14	AUTO BASS CHORD

In the Song mode

7	START/STOP ▶▪
9	PAUSE ▪▪
10	REPEAT A/B
11	REW ◀◀
12	FF ▶▶

15	LESSON
16	LEFT HAND
17	RIGHT HAND
	CHORD DICTIONARY（Hold for two seconds）
18	STYLE RECORD
19	RECORD

24	ONE TOUCH SETTING（M1-M4）
25	ONE TOUCH SETTING
26	SONG
27	STYLE
28	VOICE
29	DUAL
30	SPLIT
31	TOUCH
32	SUSTAIN
33	DSP
34	DEMO
35	TRANSPOSE −
	TRANSPOSE +
36	PIANO
37	METRONOME
38	OCTAVE −
	OCTAVE +
39	− /NO
40	+ /YES
41	DATA DIAL
42	STYLE DIRECT SELECT BUTTON
43	VOICE DIRECT SELECT BUTTON
44	LCD DISPLAY

45 MODULATION
46 PITCH BEND
47 PHONES
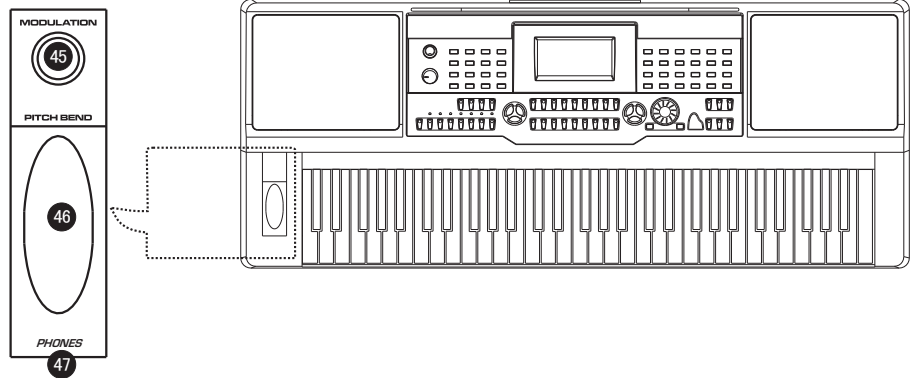
# Rear Panel

1 USB JACK
2 MIDI THRU
3 MIDI IN
4 MIDI OUT
5 SUSTAIN
6 VOLUME
7 AUX.OUT
8 DC 12V
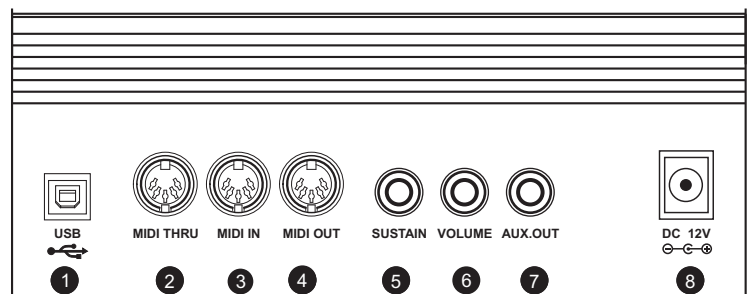
LCD Display

1 ACCOMP
2 MELODY 1
3 MELODY 2
4 MELODY 3
5 MELODY 4
6 MELODY 5
7 DUAL
8 SPLIT
9 TOUCH
10 SUSTAIN
11 DSP
12 VOICE/STYLE/DEMO/SONG
13 MEASURE
14 BEAT
15 TEMPO
16 STORE M1-M6/ONE TOUCH SETTING
17 NOTE INDICATION
18 LEFT/RIGHT HAND LESSON MODE
19 TREBLE CLEF
20 BASS CLEF
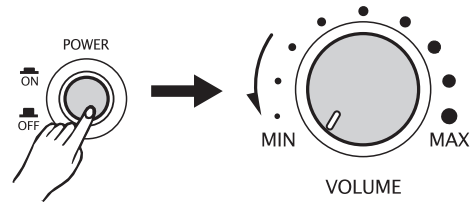21 61 KEY KEYBOARD
22 FILL A/B
23 RECORD/STYLE RECORD
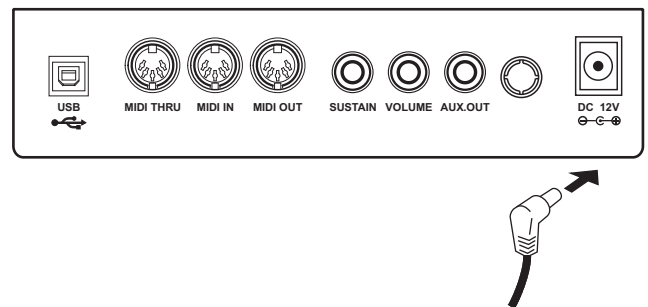24 CHORD
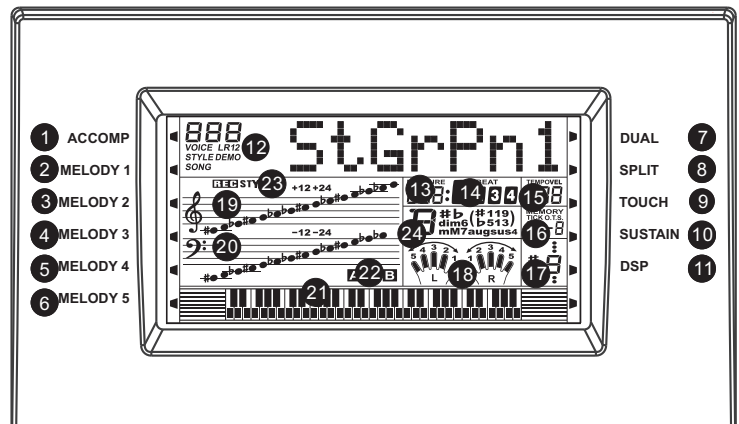
Preparation

Power Supply

● **Using the AC Adaptor**

1. First, please ensure the keyboard is turned off, then turn the volume switch to reach the minimum volume level.

POWER
ON
OFF

MIN   MAX
VOLUME

2. Connect the adaptor into the AC wall outlet and the cord into the unit.

USB   MIDI THRU   MIDI IN   MIDI OUT   SUSTAIN VOLUME AUX.OUT   DC 12V

NOTE

• When the keyboard is not in use or in the time of thunderstorm, please disconnect the power for safety purpose.

Setting Music Rest

Please set up the music rest as the instruction below:
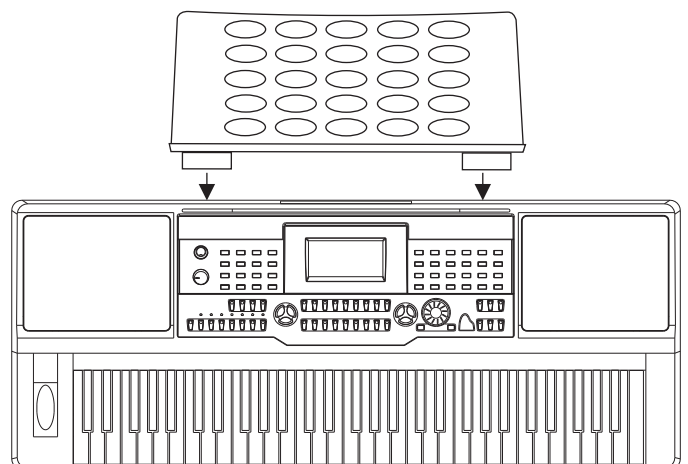
Connections

Headphones Jack

1. If you prefer to play with headphones for high quality personal monitoring, plug a set of stereo headphone into the PHONES jack.

2. Plug a set of headphones into the **[PHONES]** jack and the speakers will be shut automatically.

📝 NOTE

- Never use headphones in high volume, as it may hurt your ears.
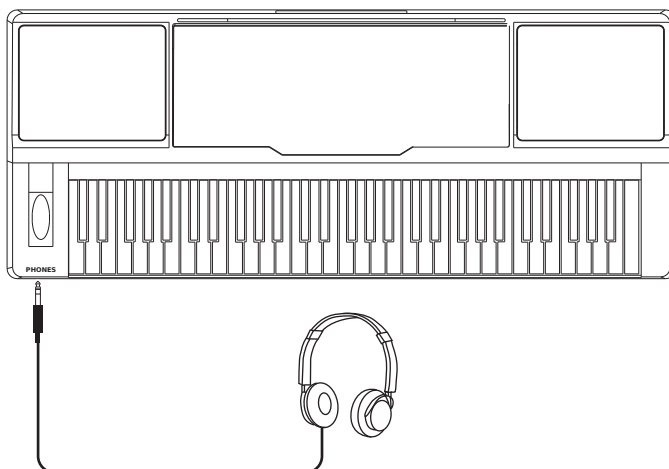
AUX.OUT Jack

The AUX.OUT jack delivers the output signal of the keyboard to an external amplifier.

Use an audio cord to plug into the **[AUX.OUT]** jack located on the rear panel; then plug the other end of the cord into LINE IN or AUX.IN of the amplifier.

📝 NOTE

- To avoid damaging the speakers, please ensure that the volume has set to the minimum level before connecting the power and other devices.
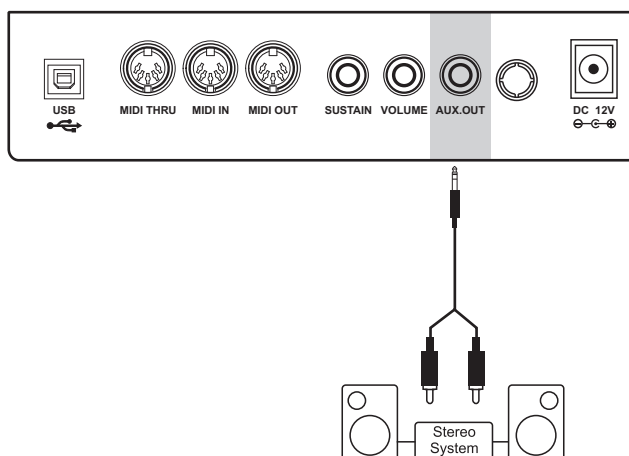
⚠ WARNING

To avoid damages, turn off the power switches of this keyboard and all related devices if you want to plug in or unplug between this instrument with all related devices.
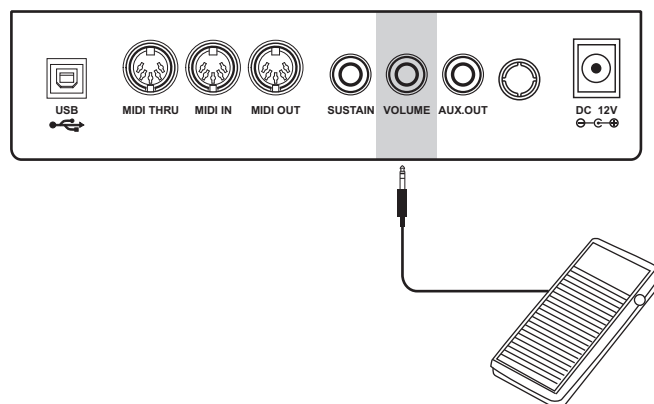
Sustain Jack

1. An optional footswitch can be plugged into the **[SUSTAIN]** jack for sustain control.

2. The footswitch functions like the damper pedal on a piano-press for sustain, release for normal sound.
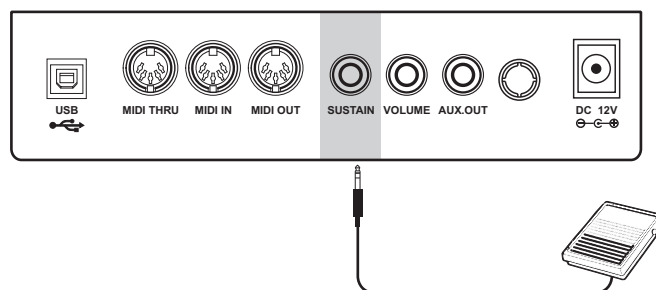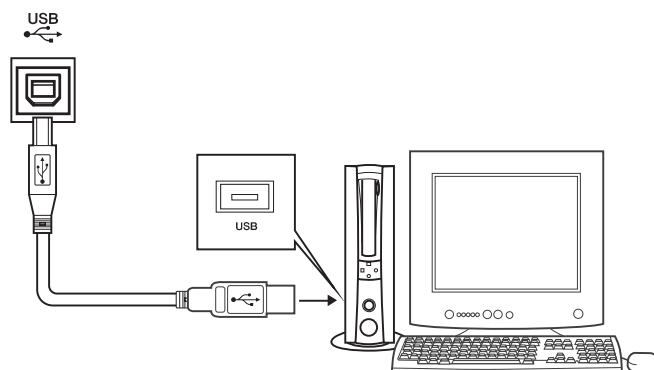

Volume Jack

An optional volume control can be plugged into the **[VOLUME]** jack for adjusting the volume of sound.


USB Jack

1. Connect PC or other USB host devices that support USB audio.

2. For devices with USB cable, after the driver is installed and initialization is finished, you can choose USB audio device in the device menu of the software to transfer midi data.

Basic Operation

Power Switch & Volume

1. First, please ensure the correct connection based on previous instruction.

2. Turn the volume switch to reach the minimum volume level, then turn the **[POWER]** switch on. The LCD display lights up.

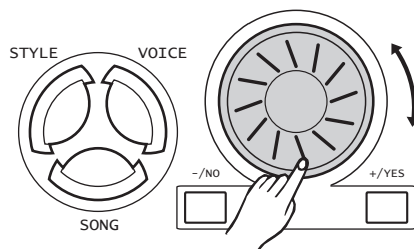3. Use the **[VOLUME]** control switch to adjust the volume to your desired level.
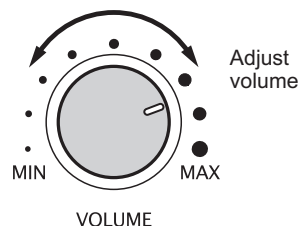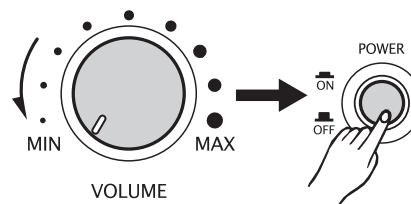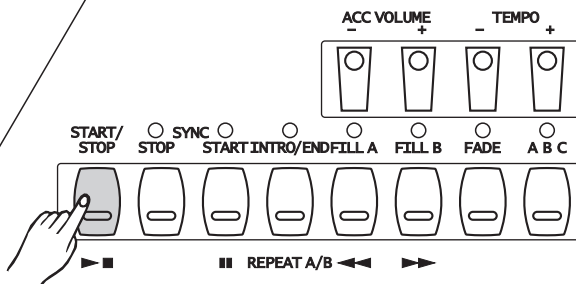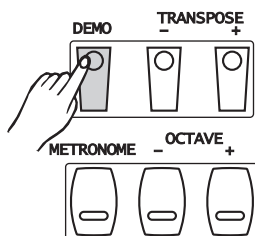
DEMO

There are total of 2 demos.

1. Press **[DEMO]** button to play demo songs.
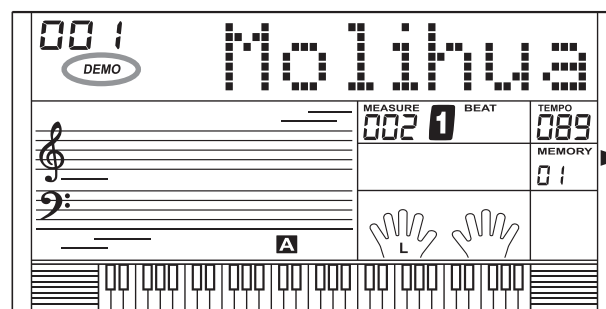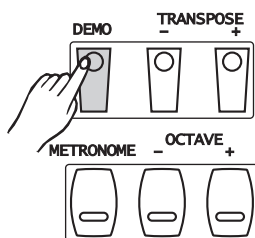
2. Select a demo song with **[+/YES]** / **[-/NO]** or dial.

3. Press **[DEMO]** or **[START/ STOP]** button to exit from the demo mode.
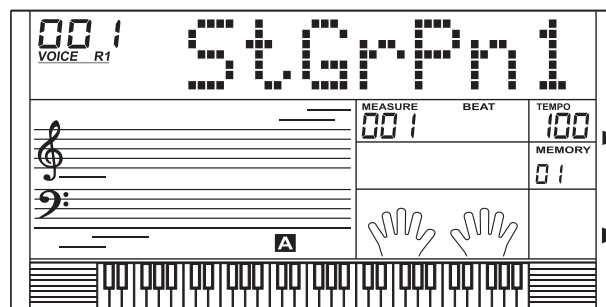
📝 NOTE

• In the demo mode, all function keys except DEMO, START/STOP, TEMPO, +/YES, -/NO, VOLUME, POWER ON/OFF will be voided.
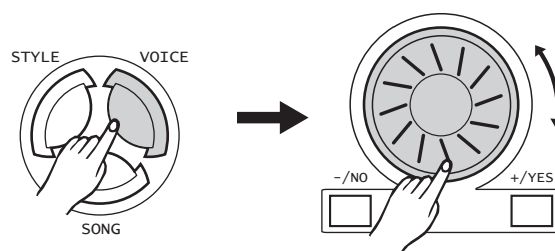
Voices and Effects

559 voices in total (See appendix: page 55).

Select a Voice

1. Press **[VOICE]** button to enter **"voice mode"** . The default VOICE R1 is "No:001 Stereo Grand Piano"; LCD displays **"VOICE R1"** and the voice number.
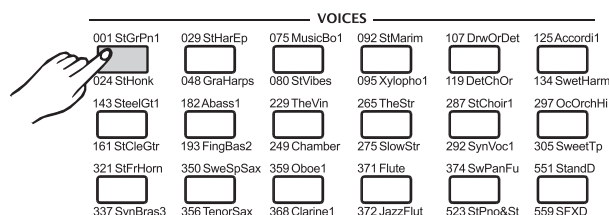

2. Press **[+/YES]** / **[-/NO]** or dial or use the **Direct Select** Button to select the voice you want.

Direct Select Button

Use the Direct Select Button to select a voice (36 voices), 2 direct voices for each button(upper & nether key)

VOICES					
001 StGrPn1	029 StHarEp	075 MusicBo1	092 StMarim	107 DrwOrDet	125 Accordi1
024 StHonk	048 GraHarps	080 StVibes	095 Xylopho1	119 DetChOr	134 SwetHarm
143 SteelGt1	182 Abass1	229 TheVin	265 TheStr	287 StChoir1	297 OcOrchHi
161 StCleGtr	193 FingBas2	249 Chamber	275 SlowStr	292 SynVoc1	305 SweetTp
321 StFrHorn	350 SweSpSax	359 Oboe1	371 Flute	374 SwPanFu	551 StandD
337 SynBras3	356 TenorSax	368 Clarine1	372 JazzFlut	523 StPno&St	559 SFXD

3. After selecting a voice, you can now play the keyboard.

> **NOTE**
>
> • While changing a voice, pay attention to the rules: If you press the same button, the voice will be changed between the upper and nether key.
>
> • When the upper/nether voice is on, and then you press another direct button, the corresponding upper/nether voice will be selected.
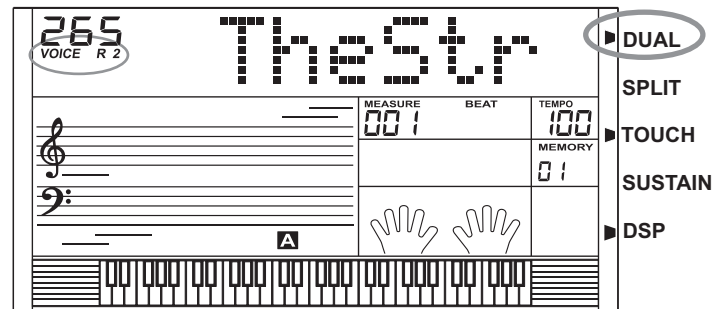
Dual Voice

This function is capable of enhancing the delicacy of your music by playing two voices of musical instruments simultaneously; new combinations of voices and music could be created then. When the dual function is off, the voice indicated is VOICE R1. When the dual function is on, the voice indicated is VOICE R2.

1. During the **VOICE R1** status, press **[DUAL]** button to enter the dual voice function. "VOICE R2" and "DUAL" signal would be lightened simultaneously. The number of the dual voice will be displayed on the LCD. Now, two different sounds at the same time when pressing one key.
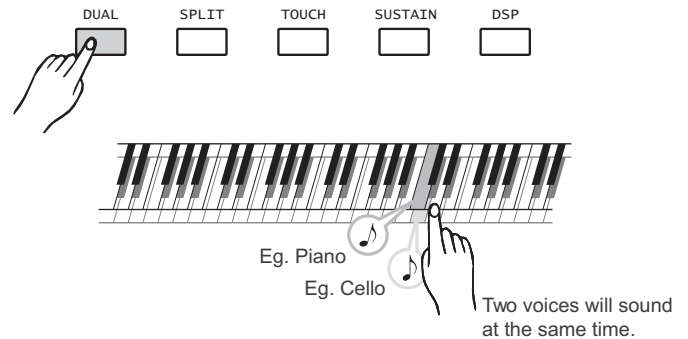
2. Press **[+/YES]** / **[-/NO]** button, or turn the DIAL to select your desired voice. The default DUAL VOICE number is "No:265 The Strings".

3. Press **[DUAL]** button again to turn off the DUAL VOICE. Voice R2 will be disabled, the note you play sounds a single voice of Voice R1.

NOTE
• In DUAL VOICE status, only section above split point on keyboard has dual voice.

Lower Voice/Split Point

You can split the keyboard to melody and chord area by this function.

1. Press **[SPLIT]** button to turn on the LOWER VOICE, LCD lights the **LOWER VOICE** flag and displays "VOICE L" and its name. When you play in real time, you can activate Split Mode simply by pressing this button.
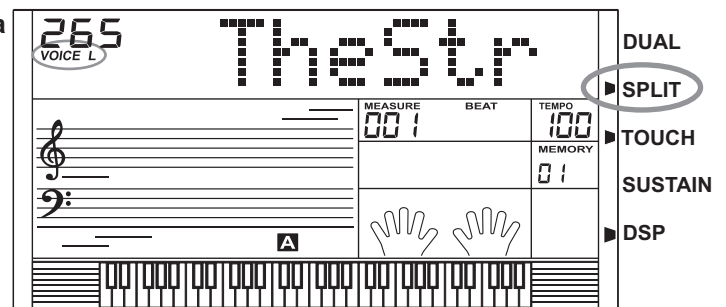
2. Press **[+/YES]** / **[-/NO]** button, or turn the DIAL to select the voice you want. The default LOWER VOICE number is "No:265 The Strings".

3. Press **[SPLIT]** button again to turn off the LOWER VOICE. LCD darkens its flag.
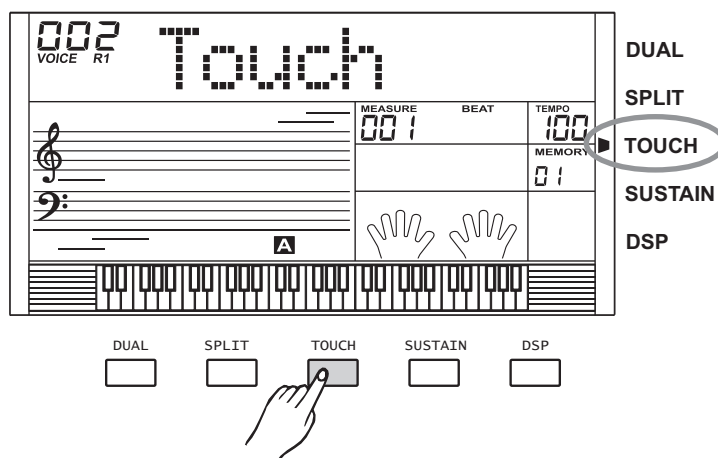
13
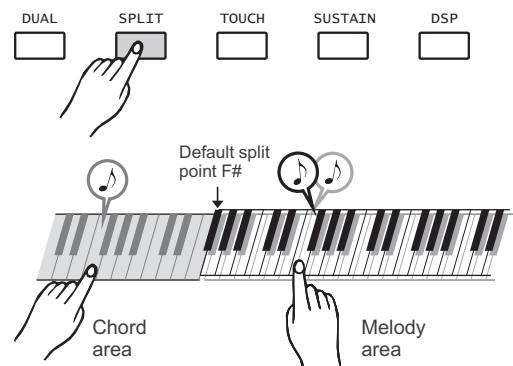
Touch

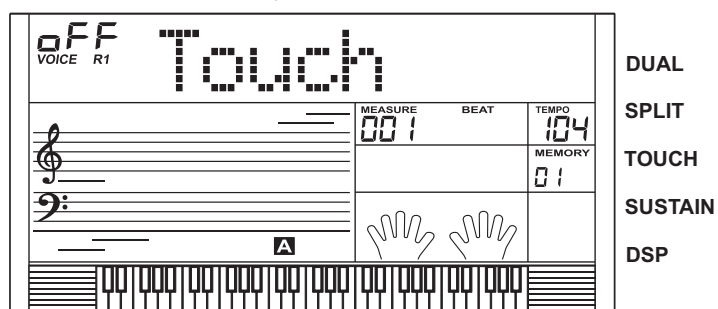**This function allows you to activate the dynamic level while playing the keyboard.**

1. The LCD displays the touch value ranging from off to level 3.
Press **[+/YES]** / **[-/NO]** button, or turn the DIAL to change the touch response level.
Default level of touch response is 2.

2. If the "touch function" is disabled, there will be no touch response.

3. To experience the effect, play any note on the keyboard after you turn it on.

Sustain Voice

This function helps you to get a voice with a sustained effect, while playing the keyboard.

1. Press **[SUSTAIN]** button to activate the sustain effect. The **"SUSTAIN"** flag lightens on the display.

2. Press **[SUSTAIN]** button again to eliminate the sustain effect. The **"SUSTAIN"** flag will disappear.
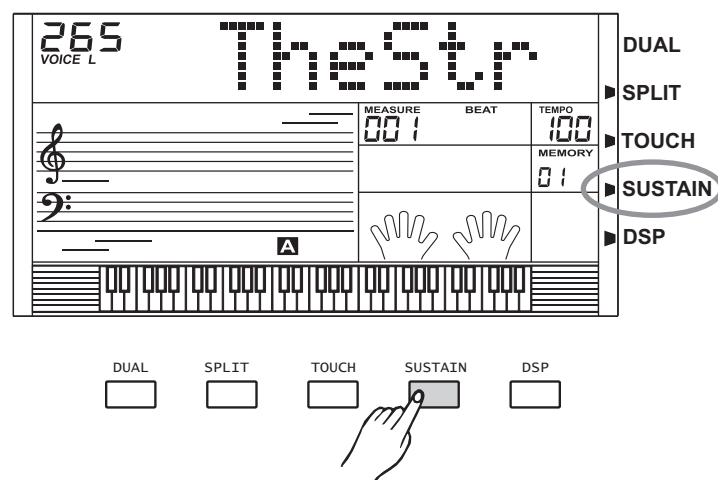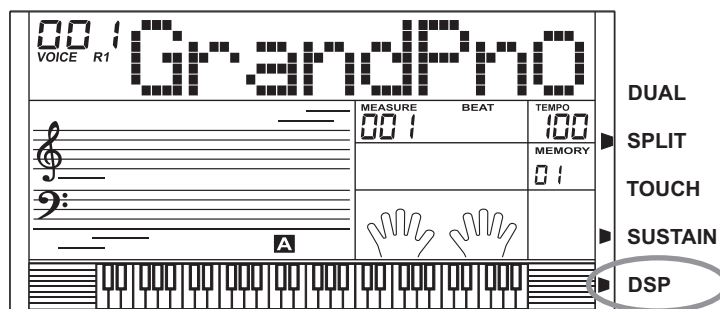
📝 NOTE

• When you step on the 'sustain pedal', its sustain effect is stronger than the effect by pressing the **[SUSTAIN]** button.

DSP Effect

This function allows you to perform the overall sound in a realistic style.

1. The DSP effect is set to ON when keyboard power on. The default setting of DSP effect is ON.

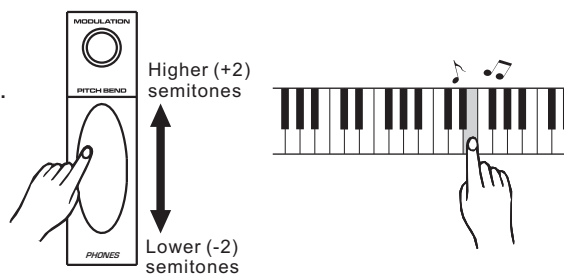2. Press **[DSP]** button to turn off the DSP effect.

Pitch Bend

The pitch bend wheel can be used to bend the note upwards or downwards, ranging between +/- 2 semitones. When the wheel is released, the note will return back to the normal status.

Modulation

Press and hold **[MODULATION]** button. You can hear the modulation effect while playing the keyboard. Release the button to exit the modulation effect.
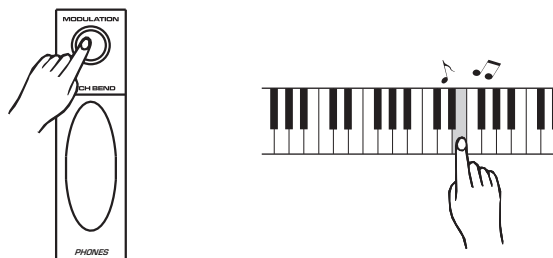
Transpose

You can change the key of the entire keyboard with the TRANSPOSE function by adjusting the pitch in semitone steps.

1. Press **[TRANSPOSE +]** or **[TRANSPOSE -]** button to enter the Transpose setting mode.
The LCD will display the current transpose value. The default transpose value is 00.
Use **[TRANSPOSE +]** / **[TRANSPOSE -]** to adjust the value from -12 to +12 semitones.
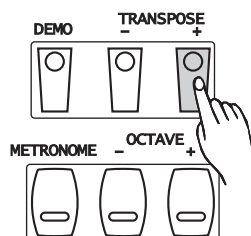
2. Press **[TRANSPOSE +]** and **[TRANSPOSE -]** simultaneously to set the default value: 00.

📝 NOTE

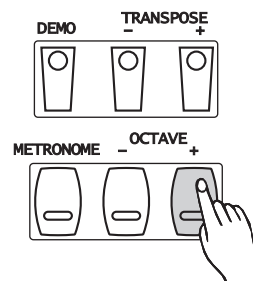• If you don't press any button for 5 seconds after entering the Transpose setting mode, it will quit this menu automatically.
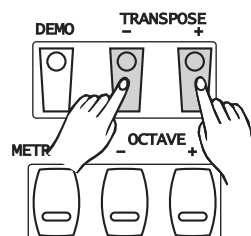
Octave

1. Press **[OCTAVE +]** or **[OCTAVE -]** button to set the octave mode. The LCD will display the current octave value.

2. Use **[OCTAVE +]** or **[OCTAVE -]** to change the octave value. This function can change the key -1 to 1 octave up or down.

3. Press **[OCTAVE +]** and **[OCTAVE -]** simultaneously to set the octave value back to its default. The default octave value is 00.

NOTE

• If you don't press any button for 5 seconds after entering the Octave setting mode, it will quit this menu automatically.
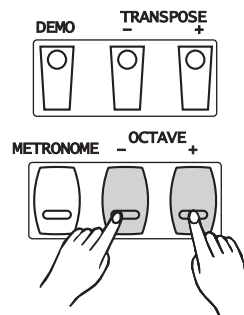
Piano

1. Press **[PIANO]** button to return to the piano mode. The LCD displays PIANO, and the voice is changed to piano immediately. In this mode, A.B.C. is OFF.

2. Press **[PIANO]** button again to exit the PIANO mode.

3. You can select the style number with the **[+/YES]** / **[-/No]** key, or turn the dial at the PIANO mode. Press the **[START/STOP]** button to activate the style(only drum).

4. The MIXER and FUNCTION menu can be functioned.
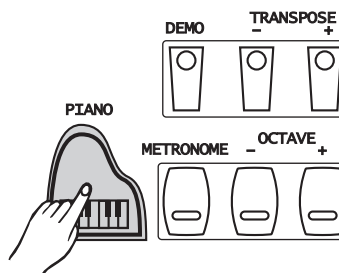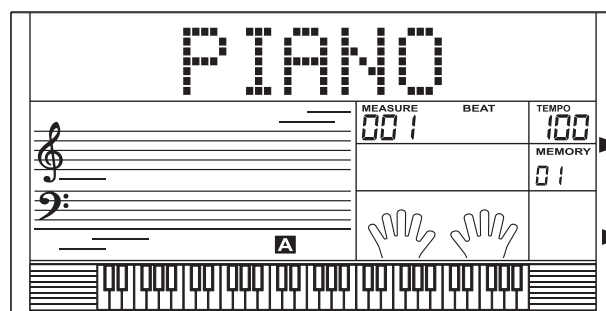
Style Control

The keyboard has a total of 203 styles, from 001 to 203, including 3 user styles. The default style is 001. (See appendix: page 60)

Select a Style

1. Press **[STYLE]** button to set the keyboard to the "style mode". The "STYLE flag" and the style number will show up on the display.

```
001  8Bt.RocK
STYLE
                    MEASURE      BEAT      TEMPO
                    001                    100
                                           MEMORY
                                           01
                              A
```
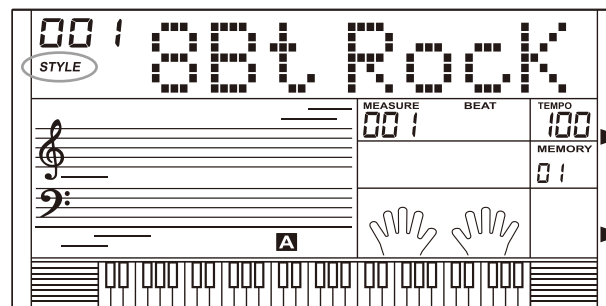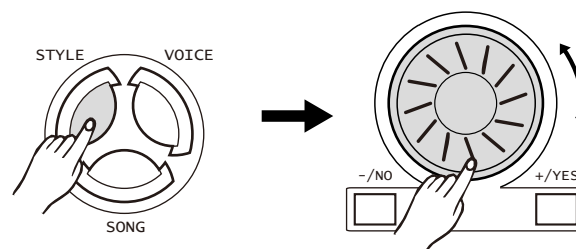
2. Press **[+/YES]** / **[-/NO]** button or use the Direct Select Button to select the voice you want.

STYLE   VOICE

SONG

-/NO   +/YES

3. Direct Select Button

Use the Direct Select Button to select your desired style (24 styles), 2 direct styles for each button (upper & nether).

STYLES

001 GT Pop	012 Pop16Bt1	026 6/8 Pop	037 NewRBBld
24 Sweet B	021 16Bt Bld	030 FusShufl	047 PopRock
61 Twist	079 DownBeat	094 JayR&B	112 Swing1
064 BandFox2	086 DscParty	110 BritSoul	130 Bluegras
141 Latin	154 Rumba	162 Enka	172 Waltz
149 Beguine	158 PopChaCh	171 Norteno	184 6/8March

NOTE

• While changing a style, pay attention to the rules:
If the same button has been pressed twice, the style will be swapped from one to another.

• When the upper/nether style is on, and you then press another direct button, the corresponding upper/nether style will be selected.

18

The Accompaniment Section

Accompaniment consists of Intro, main, variation, fill (a-a, a-b, b-a, b-b), ending. Using different sections based on the structure of styles enables you to enhance musical performance.

1. INTRO

Press the **[INTRO/END]** button to insert an intro section before you start to play . The rhythm will begin with a 2-4 measure introduction which will be followed by a menu section.
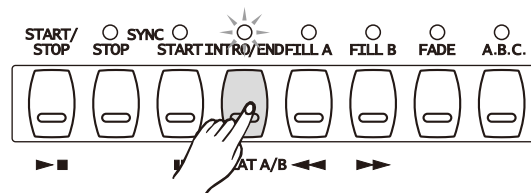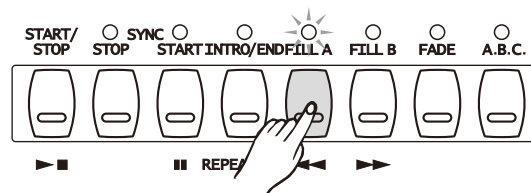
2. MAIN and VARIATION

There are two sections: main and variation. Each section consists of 2 to 4 measures.

3. FILL

While the accompaniment is playing, you can fill in the rhythm/accompaniment by pressing the **[FILL A]** button or the **[FILL B]** button. This will automatically insert a fill section.

4. ENDING

When you press the **[INTRO/END]** button, it brings rhythm accompaniment and your performance to on end with a 2-4 measure conclusion.
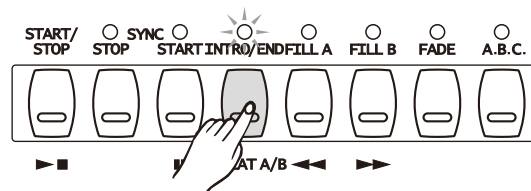
Start a Style

1. Start immediately:

Use **[START/STOP]** button to start the style.
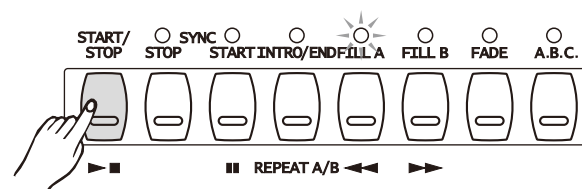
2. A.B.C. Mode:

The default setting of A.B.C is off. Press **[A.B.C.]** button to turn on the auto bass chord.
The area to the left of split point is known as the chord area. When playing the chord, both the bass and the chord voice sound.

Split point

Accompaniment range
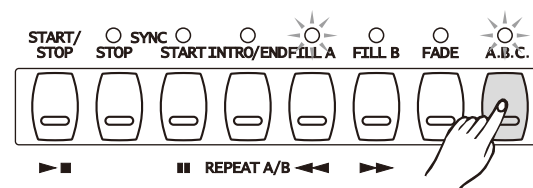
3. **Sync start:**

- Press **[SYNC START]** button to enter the sync start waiting mode. The 4 beats on LCD flash together.

Synchro-start standby mode
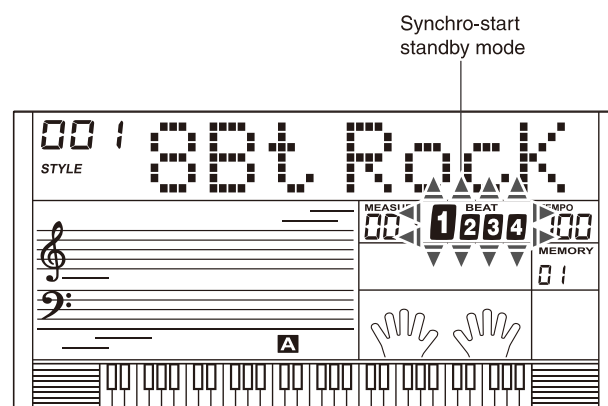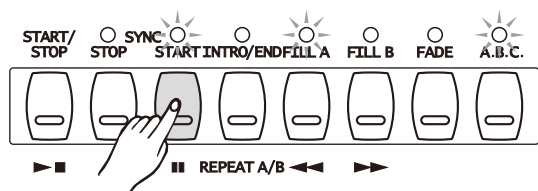
- If the A.B.C. mode is on , play any key in left area of keyboard, the style start playing with bass and chord. If the A.B.C. Mode is off, play any key on keyboard; the style plays only the drum voice.

Split point

Accompaniment range
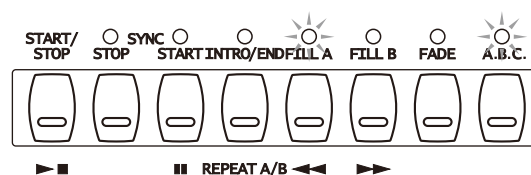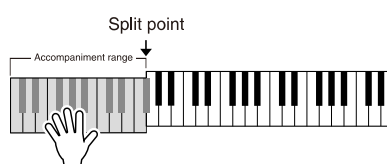
- Press **[START/STOP]** again to stop the style.
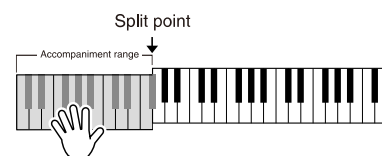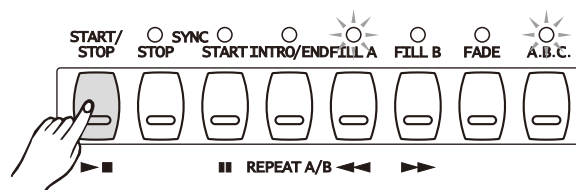
4. Intro start:

- Press **[INTRO/END]** button when the style is not playing, 'A' flashes on LCD, indicates the intro section is ready to play. Length of intro varies in different style.

Flashing

Flashing
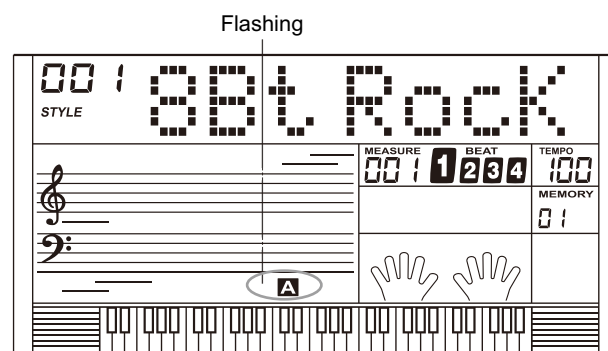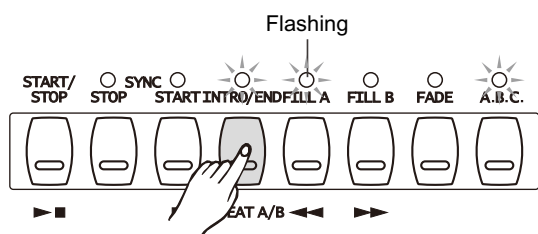
- Press **[START/STOP]** button, then the style starts with an intro section , followed by the main section.

20
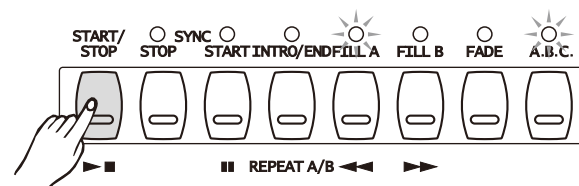
Fill A/B

1. In MAIN mode, press **[FILL A]** button to insert 1 measure fill and LCD flashes 'A'. After one measure is over, MAIN style will be returned.
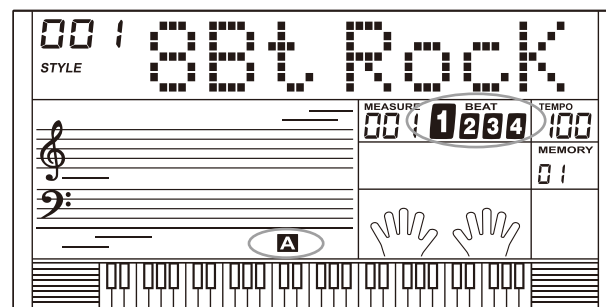
2. In MAIN mode, press **[FILL B**] button to insert 1 measure fill and LCD flashes 'B'. After one measure is over, VARIATION mode will be started.
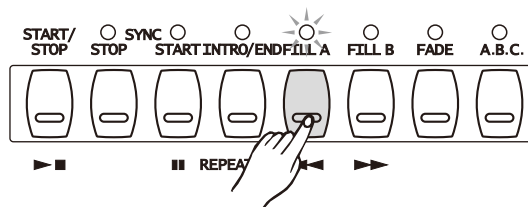
3. In VARIATION mode, press **[FILL B]** button to insert 1 measure fill and LCD B flashes 'B'. After one measure is over, VARIATION style will be returned.
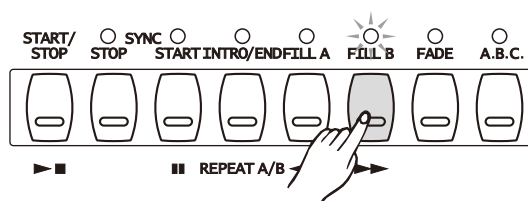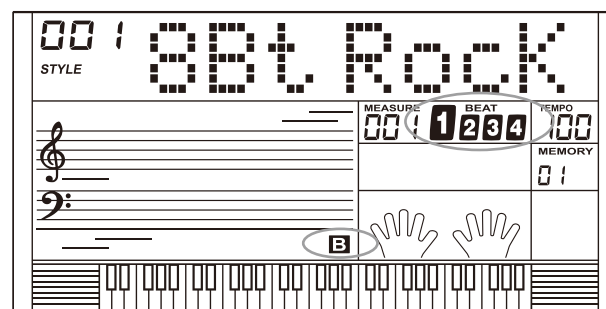
4. In VARIATION mode, press **[FILL A]** button to insert 1 measure fill and LCD flashes 'A' . After one measure is over, MAIN style will be started.

NOTE

• Hold down the FILL A/B button when the style is playing, the selected FILL pattern repeats continuously until button is released.

• Press **[FILL A]** when style stop, it will change to the main section, the flag A on LCD will be lightened;

• Press **[FILL B]** , it will change to the variation section, the flag B on LCD will be lightened.

Stop a Style:

1. Stop immediately:

The accompaniment can be stopped at any time by pressing the **[START/STOP]** button.

Flashing
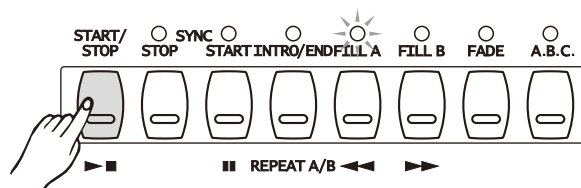
2. Ending stop:

Press the **[INTRO/END]** button to complete the song with ending section. The ending section will begin from the top of the next measure.
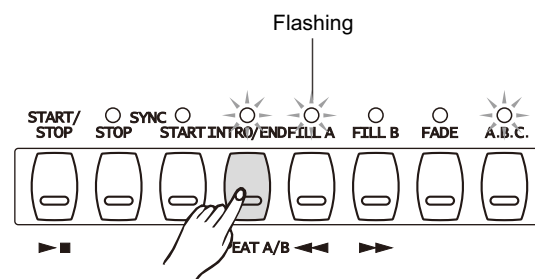
3. Sync Stop:

[SYNC STOP] would be enabled only when A.B.C. indicator is on.
Press the **[SYNC STOP]** button, stop playing, system enters synchronized start mode. Press a chord to start playing, and when you release the chord, the style would stop with this action, and enters synchronized start mode

Split point

Accompaniment range
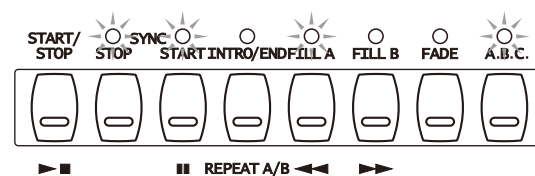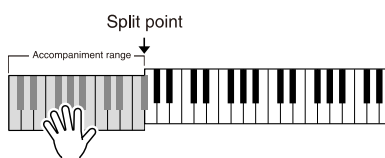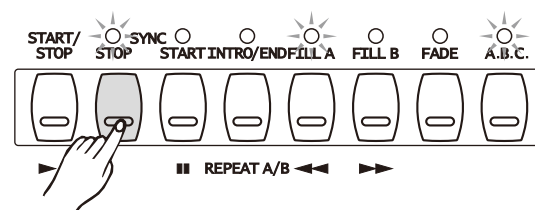
Tempo

1. Press the **[TEMPO+]** or **[TEMPO-]** button to change the tempo, the DIAL can also be used to change the tempo .
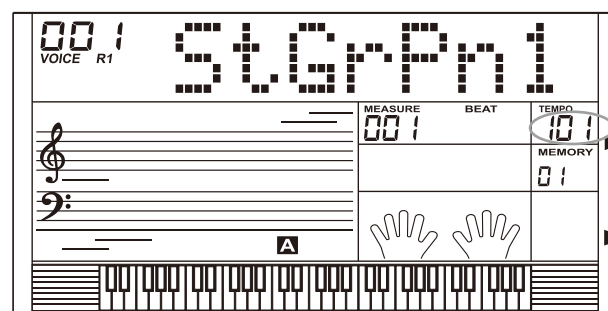
2. Press the **[TEMPO+]** and **[TEMPO-]** simultaneously can set the tempo value back to the default one.
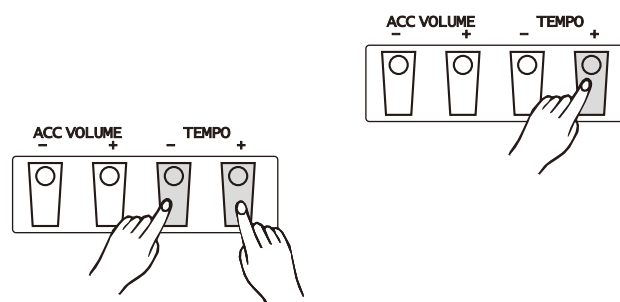
NOTE

• Selecting the style when it stops, the tempo will change with the style automatically to the default one.

• When style is playing, the tempo will not change with the style you select.

Fade IN/OUT

1. Press **[FADE]** button when style is playing, the volume will gradually fade from maxima to 0, the "FADE " LED on panel will be lightened. Press **[FADE]** button again, the volume will gradually sound from 0 to maxima, the "FADE " LED on panel will be darkened.
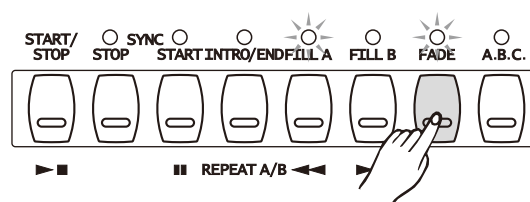
2. Press **[FADE]** button when style is not playing, the LED "FADE" on panel will be lightened. When play style, the volume will change from 0 to maxima.

23
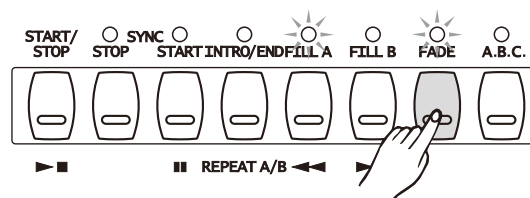
Recognizing Chords

Default mode for A.B.C. is off on the keyboard.
Press **[A.B.C.]** button to turn on this "auto bass chord"
function. The left section of the keyboard is known as
the "chord area", while playing the chord, both the bass
and the chord voices sound.
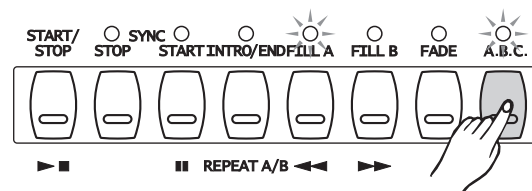
> **NOTE**
>
> • Since the chord detection of A.B.C. is based on the
> Chord Root priority, some chords that could be played
> under the Chord Dictionary may not be recognised by
> A.B.C. , eg. B6、bB6、B6(9)、bB6（9）、Baug、
> bBaug、bBm6、Bm6、Adim7、bBdim7、Bdim.

Split point

Accompaniment
range

Root notes and the corresponding keys
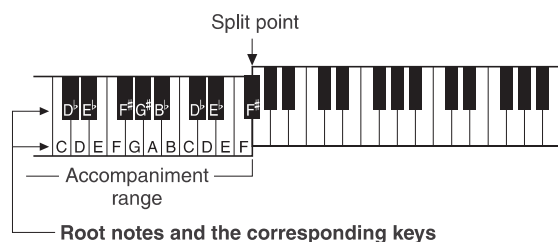
**There are 2 ways to detect the chord: "single finger detect" and "multi finger
detect".**
If the chord played is based on "multi finger detect", it is recognized as the "multi finger chords□.
If not, "single finger chord" will be recognized.

● **Single Finger Chords**

Single finger type not only can detect single finger but also
can detect multi finger. And the single finger makes it easily
to play chords through only one, two or three keys.
Including major, minor, seventh, and minor seventh chord.
Refer to relevant picture on the right for details.

★ Major Triad
Only press the root note on the
keyboard.

★ Minor Triad
Press the root note and the nearest
left black key simultaneously.

★ Seventh chord
Press the root note and the nearest
left white key simultaneously.

★ Minor seventh chord
Press the root note and the nearest
left white and black keys
simultaneously.

> **NOTE**
>
> • When A.B.C. is on, press the keys on the left of
> split point. The chord will be recognized as single
> finger chords.

● **Multi Finger Chords**

Multi finger type only can recognize those chords
have listed in the chord list, and also can be found
in the dictionary function.

Notes enclosed in parentheses⊛are optional;
the chords could be recognized without them.

● **Chord Basics**

A chord, in music, is any harmonic set of three or more notes that is heard as if sounding simultaneously. The most frequently encountered chords are triads. A triad is a set of three notes that can be stacked in thirds. When stacked in thirds, the triad's members, from lowest pitched tone to highest, are called: the Root, the Third, and the Fifth.
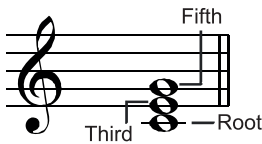
● **Triad Type**

There are following basic triad types:

Major Triad	A root with a major third added above and a perfect Fifth will consist as a Major Triad.
Minor Triad	A root with a minor third added above and a perfect fifth will consist as a Minor Triad.
Augmented Triad	A root with a major third added above and an augmented fifth will consist as an Augmented Triad.
Diminished Triad	A root with a minor third added above and a diminished fifth will consist as a Diminished Triad.

● **Chord Inversion**

We define this chord its root is not in the bass (i.e., is not the lowest note) as an inversion chord. When the root is in the bass, we call the chord: root-position chord. If we put the Third and Fifth in the root position, then it forms Inversion, we call this chord Inversion Chord. See the following major triad and its inverted chord.

● **Chord Name**

The chord name contains two parts content: Chord root and Chord type.
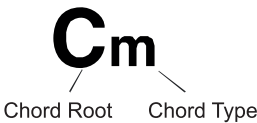
Metronome

1. Press the **[METRONOME]** button to turn on the metronome, the beat sounds.
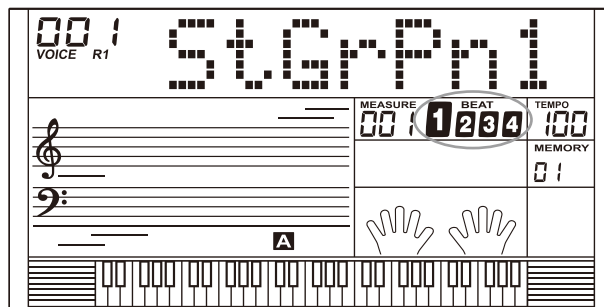
2. Press the **[METRONOME]** button again to turn off the metronome.

NOTE

- Metronome can be played in tempo with the accompaniment whenever you turn on the sytle.
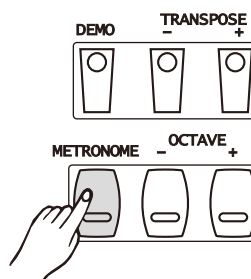
Accomp Volume

1. Press **[ACC VOLUME+]** or **[ACC VOLUME -]** button to adjust volume of accompaniment in style playing. The LCD displays the ACCOMP volume which range between 0 and 31. Default Accomp Value is 28.
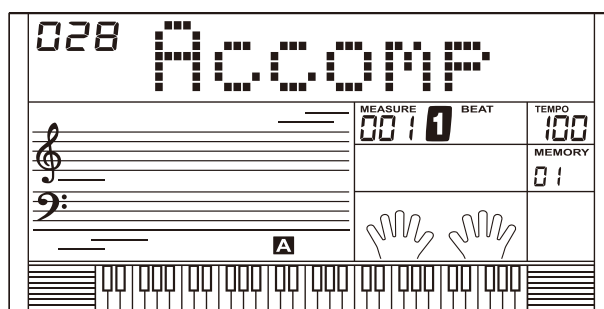
2. Press **[ACC VOLUME +]** and **[ACC VOLUME -]** button together to turn off the ACCOMP volume.
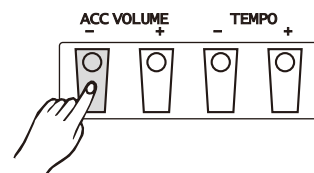
3. Press **[ACC VOLUME +]** and **[ACC VOLUME -]** button together again to turn on the ACCOMP volume.
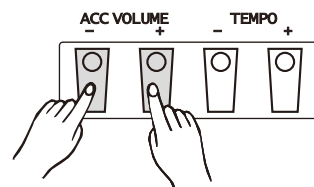
Function Menu

Press **[FUNCTION/NEXT]** or **[FUNCTION/BACK]** button to enter the menu of function. The default
option of the menu is "TUNE". When you enter the menu next time, you will find the option is the same as
last time. Press **[FUNCTION/NEXT]** or **[FUNCTION/BACK]** button to select the option to be set.
Use **[+/YES]** / **[-/NO]** or the DIAL to set the parameter. The option and the parameters are as the follows:

Option	LCD Display	Range	Default
TUNE	000Tune	-50—050	000
BEAT	004Beat	000ˇ 002—009	004
SPLIT POINT	019Split pt	001—061	019
PEDAL ASSIGN	001 Ped Sust	Sust、Soft、Mem、ST/S	Sust（001）
REVERB LEVEL	040Rvb Lev	000— 127	040
CHORUSLEVEL	000Cho Lev	000— 127	000
MIDI RECEIVE	ALL Receive	001— 016、ALL	ALL
MIDI TRANSMIT	001 Transmit	001— 016	001

NOTE

• If you don't press any button for 5 seconds after entering FUNCTION menu, it will quit this menu automatically.

Tune

**This function sets the pitch of selected voice by
semitone increment.**
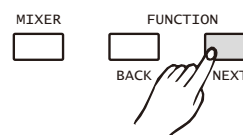
1. The LCD displays the tune value. Use **[+/YES]** / **[-/NO]**
   or DIAL to change the tune value. Its range is from -50
   to 50 semitones only by the right area of keyboard.

MIXER   FUNCTION

BACK   NEXT

000 Tune

2. Pressing **[+/YES]** and **[-/NO]** together will set the TUNE
   value back to its default setting.

-/NO   +/YES
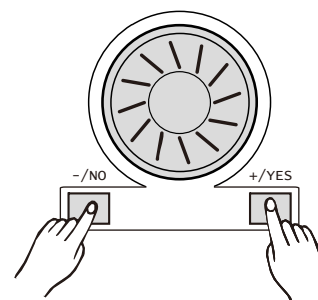
Beat

This function sets the beat value ranging from 0, 2-9 in tempo setting.

MIXER   FUNCTION

BACK   NEXT
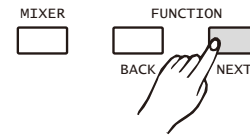
1. The LCD displays the beat value.

004 Beat

2. Use **[+/YES]** / **[-/NO]** or **DIAL** to change the BEAT value.

-/NO   +/YES
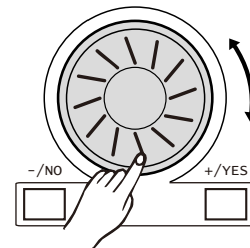
Split Point

This function sets the point that separate chord area and melodic area.

MIXER   FUNCTION

BACK   NEXT
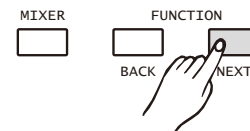
1. The LCD displays the split point value.

019 SPlit Pt
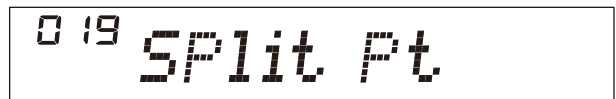
2. Use **[+/YES]** / **[-/NO]** or **DIAL** to change the split point. You may also use keyboard to change the split point by simply selecting the note you desired to be the point of separation. The part below the split point is the the CHORD area.

-/NO   +/YES
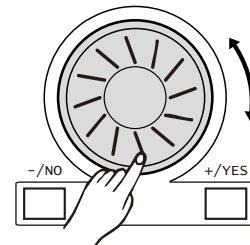
Pedal Assign

This function sets the pedal type to sustain pedal, soft pedal, start/stop pedal or memory select pedal. The default pedal is sustain pedal.

MIXER   FUNCTION

BACK   NEXT
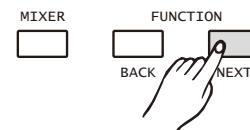
1. The LCD displays the type of pedal.

001 Ped Sust
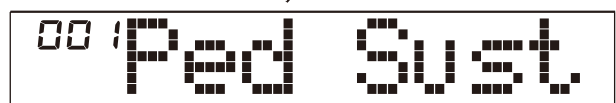
2. Use **[+/YES]** / **[-/NO]** or **DIAL** to change the pedal assign.

-/NO   +/YES

28

Reverb Level

MIXER   FUNCTION

BACK   NEXT
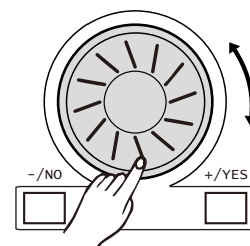
1. The LCD displays the reverb level. The level ranges from 0 to 127. The default level is 40.
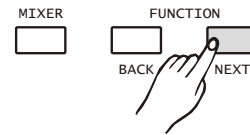
040 **Rev Lev**

2. Use **[+/YES]** / **[-/NO]** or **DIAL** to change the reverb level.

-/NO   +/YES

Chorus Level

MIXER   FUNCTION

BACK   NEXT
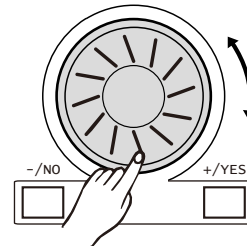
1. The LCD displays the chorus level. The level ranges from 0 to 127. The default level is 0
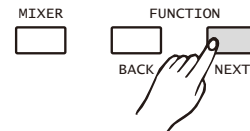
000 **Cho Lev**

2. Use **[+/YES]** / **[-/NO]** or **DIAL** to change the chorus level.

-/NO   +/YES

MIDI Setting

MIXER   FUNCTION

BACK   NEXT
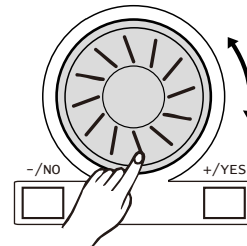
1. You can set the channel to MIDI IN by RECEIVE. The default setting is "all ". Otherwise, channel 1~16 can also be selected separately.

Use **[+/YES]** / **[-/NO]** button or the **DIAL** to select the channel.
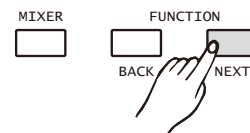
ALL **Receive**

2. You can set the channel to MIDI OUT by TRANSMIT. There are total of 16 channels for selection. Default setting is "001".

Use **[+/YES]** / **[-/NO]** button or the **DIAL** to select the channel.

MIXER   FUNCTION

BACK   NEXT

001 **Transmit**

29
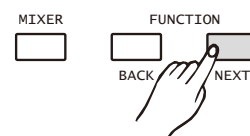
Mixer Menu

Press **[MIXER]** button to enter the menu of MIXER. The default option of the menu is "Rhythm s ", When you enter this menu next time, you will find the option is the same as last time. Press **[MIXER]** button, select the option you want to set. Use **[+/YES] / [-/NO]** or the **DIAL** to set the parameter. The option and the parameters are as the follows:
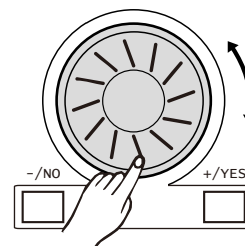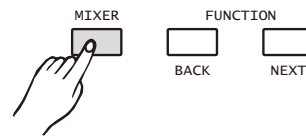
NOTE

• If you don't press any button for 5 seconds after entering the MIXER menu, it will quit this menu automatically.

MIXER   FUNCTION

BACK   NEXT

026 Rhythm-s

-/NO   +/YES

028 Rhythm-s

Option	LCD Display	Range	Deafult	Description
Rhythm s Volume	026 Rhythm_s	000-031	026	percussion instrument 1
Rhythm m Volume	026 Rhythm_m	000-031	026	percussion instrument 2
Bass Volume	026 Bass	000-031	026	bass foil
Chord 1 Volume	026 Chord1	000-031	026	symphonic melody 1
Chord 2 Volume	026 Chord2	000-031	026	symphonic melody 2
Chord 3 Volume	026 Chord3	000-031	026	symphonic melody 3
Phrase 1 Volume	026 Phrase1	000-031	026	intermezzo snippet 1
Phrase 2 Volume	026 Phrase2	000-031	026	intermezzo snippet 2
Voice R1 Volume	026Voice R1	000-031	026	single voice
Voice R2 Volume	010 Voice R2	000-031	010	dual voice
Voice L Volume	010 Voice L	000-031	010	lower voice

Memory

Memory feature can be used to preset 48 complete control-panel setups which could be recalled whenever needed.

Bank

There are 8 banks in total; each bank has 6 memories (M1~M6).

1. Press **[BANK]** button, the LCD displays "00x Mem Bank", with 00x showing the Bank that has been selected.
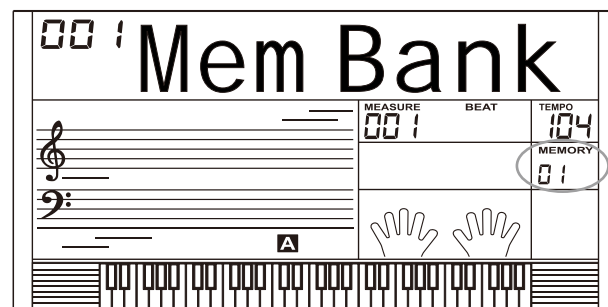
2. Use **[+/YES]** / **[-/NO]** button or **DIAL** to select the bank.
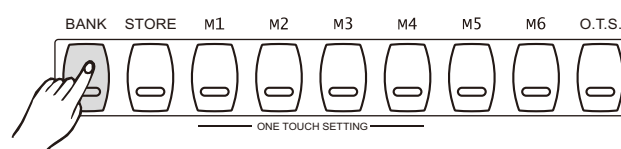
Store and Load

1. Select the desired parameter. The following data can be stored to memory: Voice Right 1, Voice Right 2, Voice Left, Sustain, Style, Tempo, Function parameter, Mixer parameter, ACCOMP volume and the Octave.
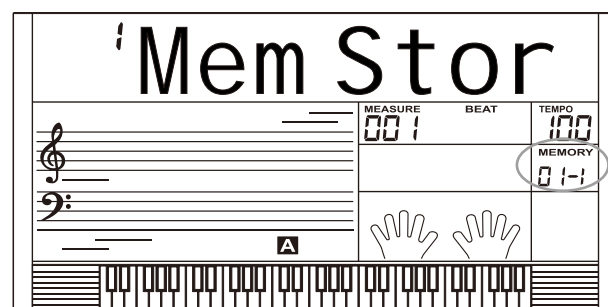
2. Press and hold **[STORE]** then press M1(or M2~M6). The data will be stored to the M1 (M2~M6). Please note that it will clear the recorded data.
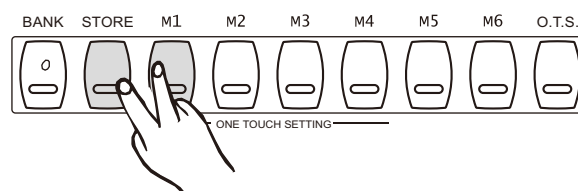
Memory Date

The data can be stored to the memory are as follows: Voice Right 1, Voice Right 2, Voice Left, Sustain, Style, Tempo, Function parameter, Mixer parameter, ACCOMP volume and the Octave.

> **NOTE**
>
> • If current data is not the same as the current memory data, the corresponding memory flag on LCD will be erased.

31

One Touch Setting

When One Touch Setting is switched on, you can instantly recall all auto accompaniment related settings including voices selection and digital effects simply with a single touch of a button.In this function, 4 types of parameters (M1~M4) will be loaded for operating the current style.

1. Press **[O.T.S.]** button to turn this mode on and the O.T.S. Flag lighten on the LCD.
   Press any of the **[M1] ~ [M4]** button, it will load the relative type of parameter according to the current style. A.B.C. mode is automatically on during O.T.S. Mode.
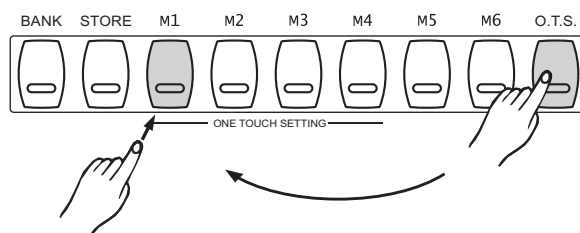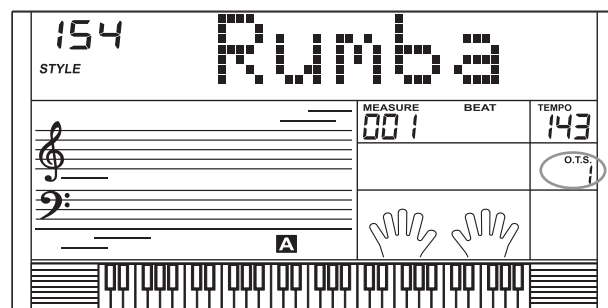
2. Press any of the M1-M4 buttons, which is corresponded to your desired setting.
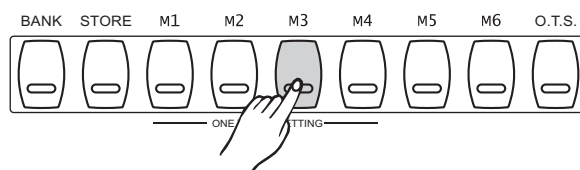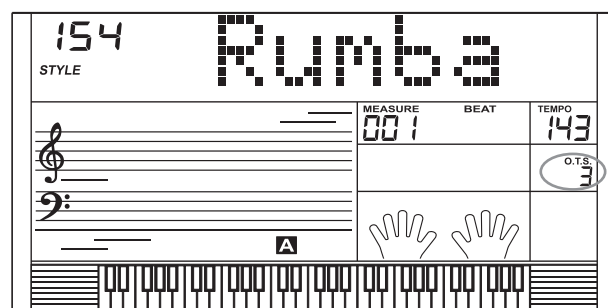
3. Press **[O.T.S.]** button again to turn off the O.T.S. Mode.
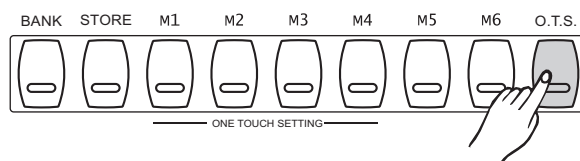
4. The parameters stored in the O.T.S. including:
   VOICE R1, VOICE R2, OCTAVE(R1/R2) and VOLUME.

Record

3 user songs can be recorded in the keyboard with 6 tracks (1 ACCOMP track, 5 MELODY tracks) in each song.

📝 **NOTE**

- The recorded data will not be lost when you turn off the power.
- When power is on, you can press **[RECORD]** and **[PLAY/STOP]** button together to delete all the recorded data.
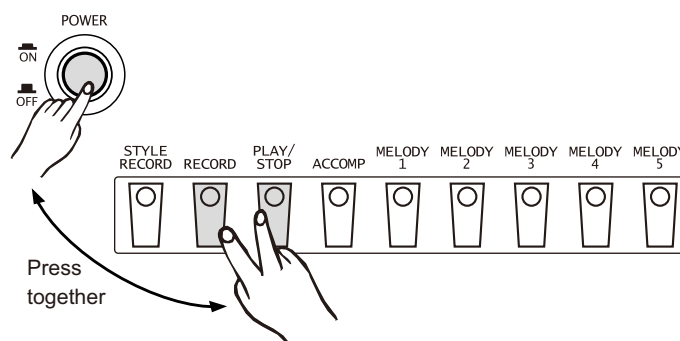
Real-time Recording

1. Start Recording

- Press **[RECORD]** button to enter the user song selected mode. The LCD Lightens "Rec_Song" and sequence number.

- Press **[+/YES]** / **[-/NO]** button or **DIAL** to select the user song you want to record.
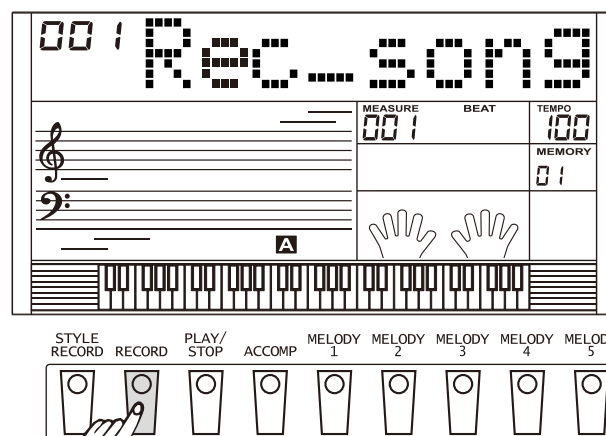
- Press **[RECORD]** button again to enter the record mode. The LCD lightens the "REC" flag. Four beats and "MELODY 1" (or other tracks) on LCD flash, indicates waiting for recording.
  Parameters such as the voice, style and tempo can be revised.

  When recording a new song, the keyboard will automatically select "melody 1" as the recorded track. Press "Accomp" (or "Melody 2" to "Melody 5") to make your own selection.

  When recording an existing song, the keyboard will automatically select the empty track next to the occupied track. For example, if "Melody 1" is occupied, "Melody 2" will be selected as the recorded track.

  When all 6 tracks have been recorded and a specific track needs to be revised, press the button of the desired track and start recording. The original data will be replaced.

- press **[START/STOP]** button or play the keyboard to start recording.

33
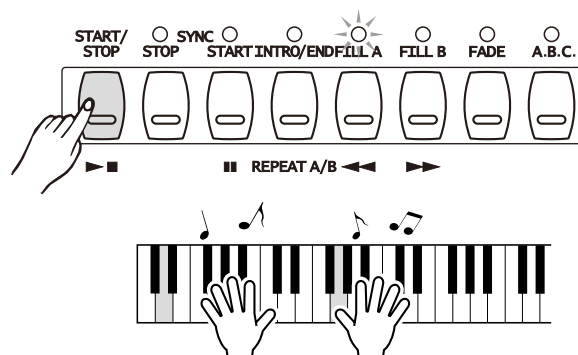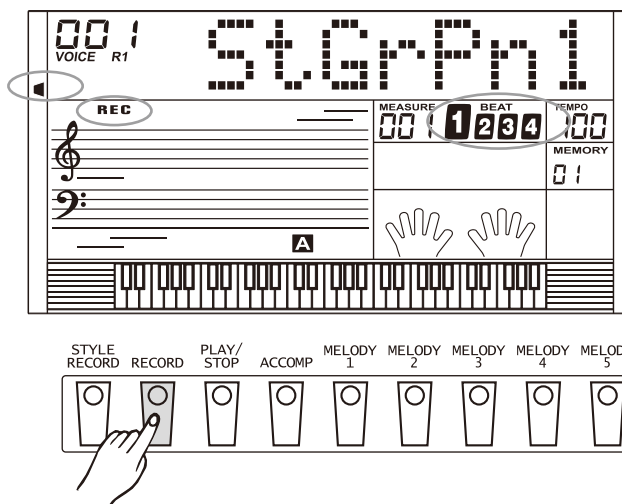
Record

2. Choosing Tracks

- There are 3 states of choosing tracks in the left cursor of LCD: Lighten, Flashing, Darken.

  When the cursor is flashing, it indicates the flashing track is the track chosen to be recorded.

  When the cursor is lightened, it indicates there there's recorded material in this track for the selected song. Material on this track will be played simultaneously while recording for another track.

  When the cursor is darkened, it indicates there's no data in this track or there's data on this track but it's forbid to play the recorded material while recording.

- Press "Accomp" (or "Melody 1" to "Melody 5") to select the desired track. The corresponding track will be switched between the above three states.

NOTE

- Only 1 Melody track can be recorded at a time, whereas "Accomp" track can be recorded with a Melody track at the same time.
- Style can only be recorded in "Accomp".
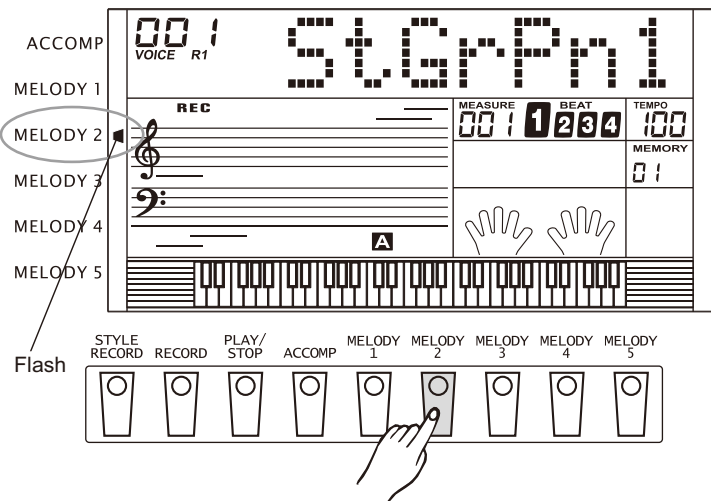
3. Stop Recording

- When the capacity is full, the recording will be stopped automatically when recording is in process.

- Press **[RECORD]** button again while recording to stop this action immediately.
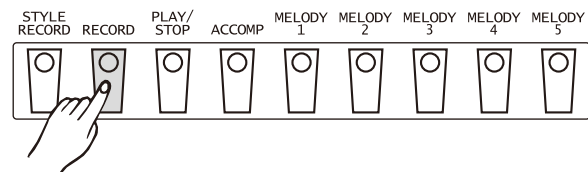
Playback Recording

1. Press **[PLAY/STOP]** button to enter the user song selected mode. LCD reveals the sequence number of user's song at upper left corner, the lattice district reveals " Play _ Song".
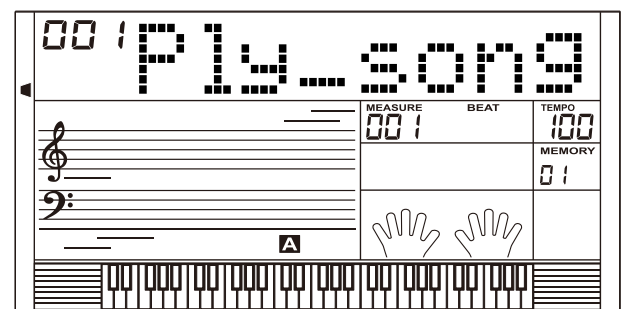
2. Press **[+/YES]** / **[-/NO]** button to select the user song you want to play.

34
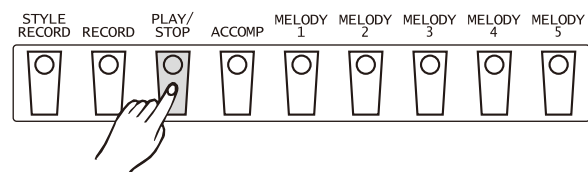
3. On the left side of LCD, cursor indicates the track where data has been recorded. If there's data on this track, the cursor will be lightened. Otherwise the cursor will not be lighted.
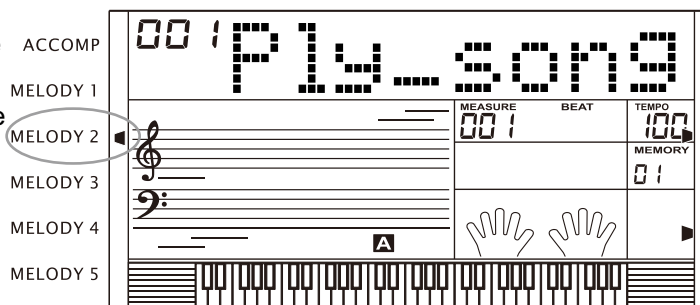
4. To disable a track with data, simply press the button of selected track and cursor will be darkened. This track will not sound when the song is played.
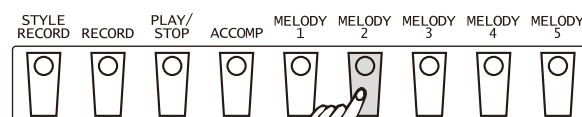
5. Press **[PLAY/STOP]** button again to play the user song. If there is no user song when you press **[PLAY/STOP]**, LCD will display "NULL" temporarily.
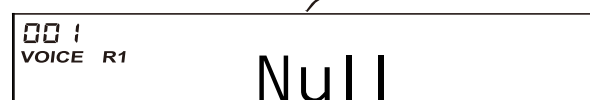
6. Press **[START/STOP]** button to stop the song.
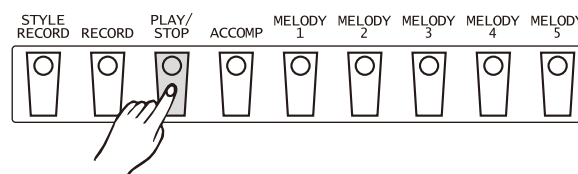
Delete Recording

1. Press **[PLAY/STOP]** button to enter the user song selected mode.
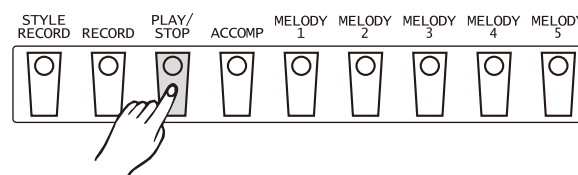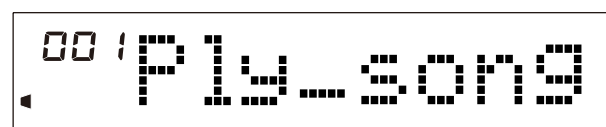
2. Press **[+/YES]** / **[-/NO]** button to select the user song you want to delete.
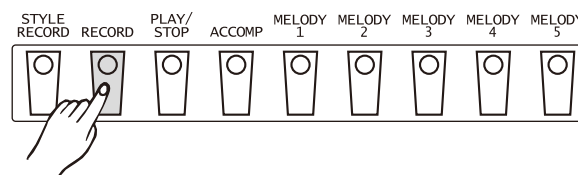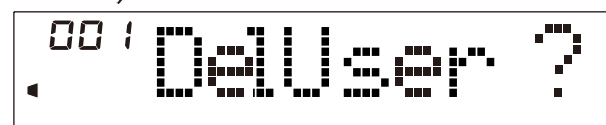
3. Press **[RECORD]** button, LCD will display "DelUser".
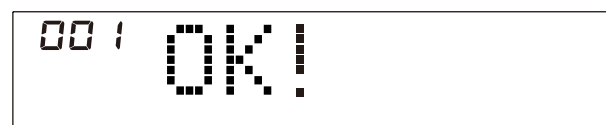
4. Press **[+/YES]** button to delete the current user song When complete, LCD displays " OK! ", the cursor of the track will all darken simultaneously.

35
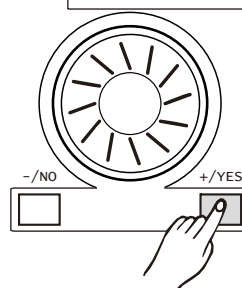
Style Record

Style record allows users to record, produce and compile a new rhythm. The built-in rhythm of the electronic organ regards all chord types as CM7 in the base, thus please be advised to regard CM7 as the fundamental key while producing your own rhythm. 3 styles can be recorded and these will be kept after the power is off. The recorded style may then be used as a built-in rhythm to perform your own song.

Before recording and producing a rhythm, you need to choose a template rhythm as the base rhythm. This template rhythm can be chosen from any of the existing 200 styles. The style must be recorded by paragraph and by track. After finishing recording a track of a paragraph, you may proceed to record a different track of the same paragraph or a track of a different paragraph.

Structure of a Rhythm:
Rhythm includes 8 paragraphs at most:
- Main _ A
- Main _ B
- Intro _ M (major prelude)
- Intro _ M (ditty prelude)
- Fill _ A (insert in a)
- Fill _ B (insert in b)
- Ending _ M(major)
- Ending _ m. Each(minor)

Each paragraph includes 8 tracks at most (voice part):
- Rhythm sub (rhythm subsidiary)
- Rhythm main, bass
- Chord 1 (symphonic 1)
- Chord 2 (symphonic 2)
- Chord 3 (symphonic 3)
- Phrase 1
- Phrase 2

Attention:
If electricity is lost during style recording, the recording data will be lost.

Start Style Record

Press **[STYLE RECORD]** button to enter style record. There are 5 major menus in each style record function. Navigate the menus by pressing **[FUNCTION / NEXT]** or **[FUNCTION/BACK]** and press **[+/YES]** or **[-/NO]** button to choose the parameter.
At any moment of style recording state, pressing **[STYLE RECORD]** button again will withdraw from the recording state. The data will not be saved.
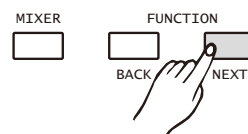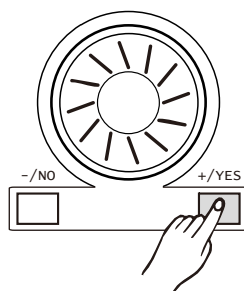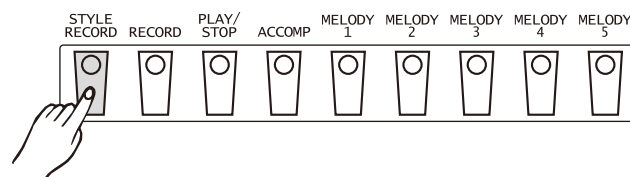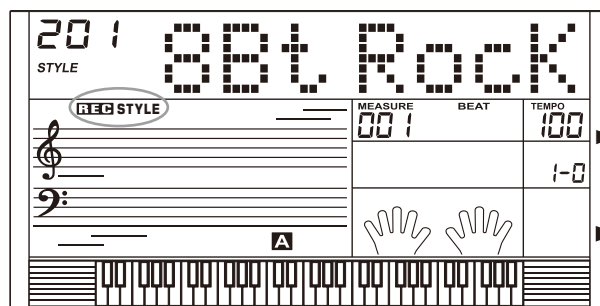
Record a new Style

1. Press **[FUNCTION / NEXT]** to enter choice menu.
- LCD now displays "Record".

- There are 5 submenus in this menu: Record, Copy, Quantization, Edit and Delete. If a new song is being recorded, only Record and Copy are available. Turn the dual or press **[+/YES]**, **[-/NO]** to select the state.
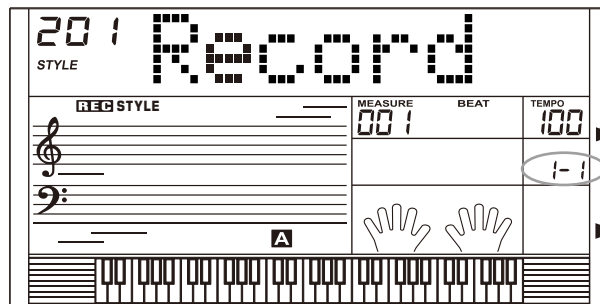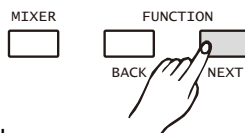
2. Press **[FUNCTION / NEXT]** to enter record mode menu.
- LCD now displays "Overdub".

- Press **[+/YES], [-/NO]** button or turn the **DIAL** to select a recording mode. 2 options for recording mode: overdub and replace.

  In Overdub, the note of the template will be kept while the newly recorded note will be added on top of the template.

  In Replace, the note of the rhythm recording track of the templates will be deleted while all notes need to be inputted again.
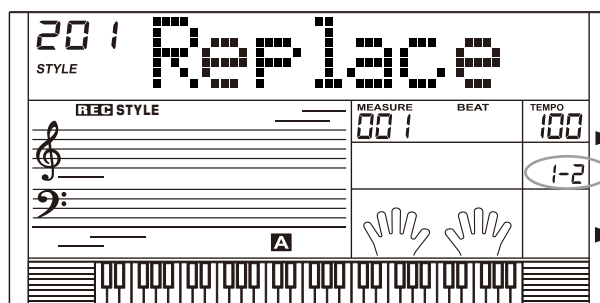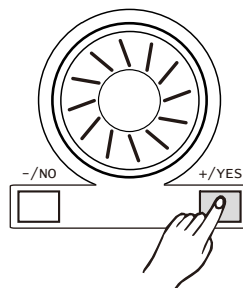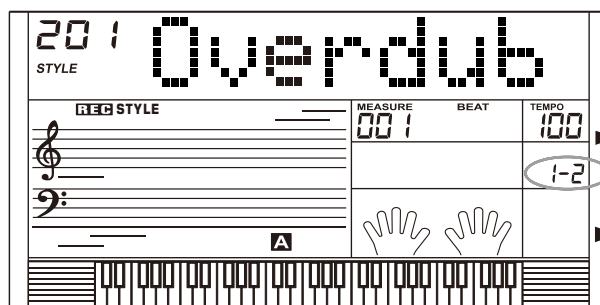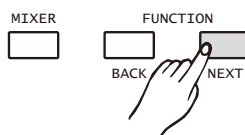
3. Press **[FUNCTION / NEXT]** to enter rhythm selection menu.
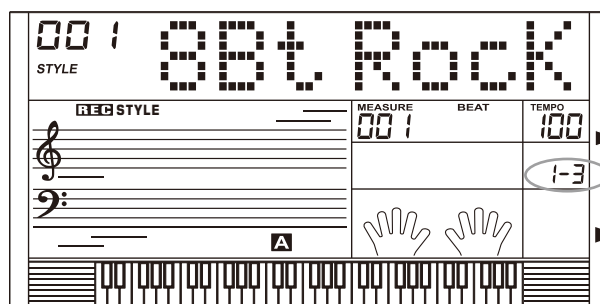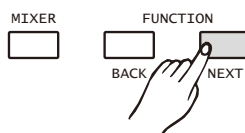
- Press **[+/YES], [-/NO]** button or turn the **DIAL** to select a template rhythm.
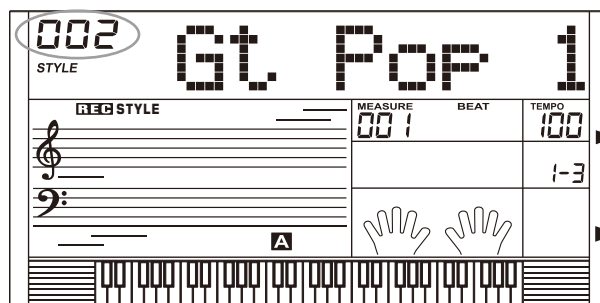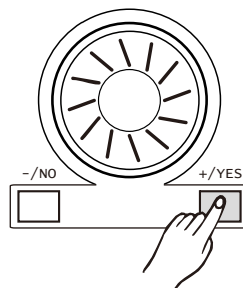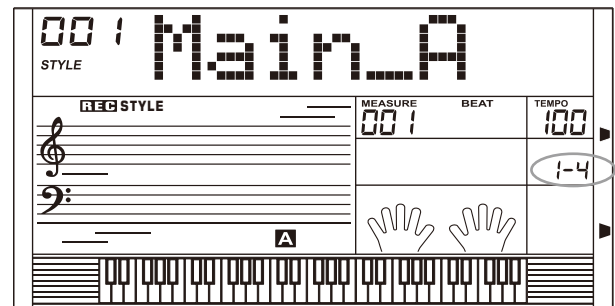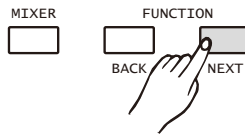
37

4. Press **[FUNCTION/NEXT]** button to enter the paragraph menu.

MIXER   FUNCTION
BACK   NEXT

001 Main_A
STYLE
REC STYLE   MEASURE   BEAT   TEMPO
                 001   100
                                    1-4
A

• Press **[+/YES], [-/NO]** button or turn the **DIAL** to select the paragraph of rhythm: Main _ A, Main _ B, Intro _ M, Intro _ m, Fill _ A, Fill _ B, Ending _ M, Ending _ m.

-/NO   +/YES

001 Main_B
STYLE
REC STYLE   MEASURE   BEAT   TEMPO
                 001   100
                                    1-4
A

5. Press **[FUNCTION/NEXT]** button to enter the paragraph menu.

MIXER   FUNCTION
BACK   NEXT

001 Chord 1
STYLE
REC STYLE   MEASURE   BEAT   TEMPO
                 001   100
                                    1-5
A

• Press **[+/YES], [-/NO]** button or turn the **DIAL** to select the track: Rhythm sub, Rhythm main, bass, chord 1, chord 2, chord 3, phrase 1, phrase 2.

-/NO   +/YES

001 Chord 2
STYLE
REC STYLE   MEASURE   BEAT   TEMPO
                 001   100
                                    1-5
A

38
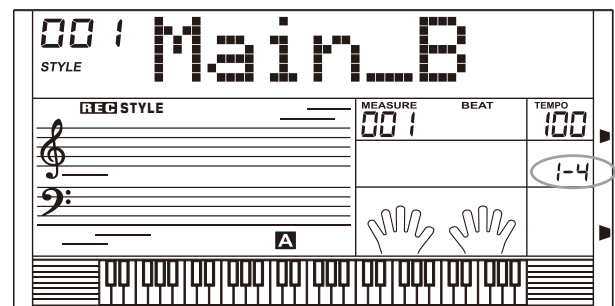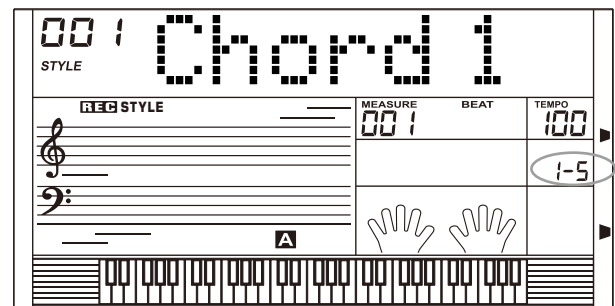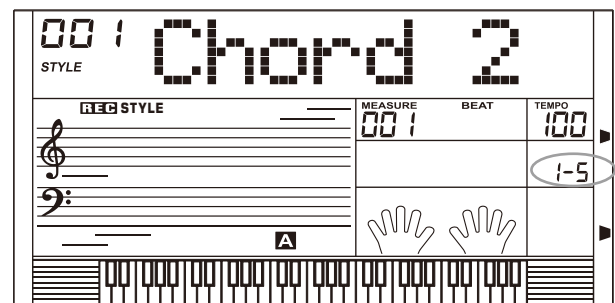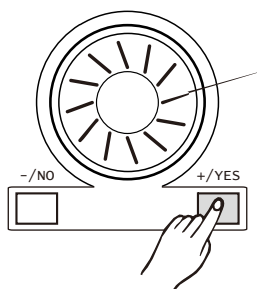
6. Press **[FUNCTION/NEXT]** to enter the record ready page.

```
001 M_A : Chd1
STYLE
[REC] STYLE                    MEASURE   BEAT   TEMPO
                               00   1 2 3 4  100
                                              1-6
                                    A
```

MIXER   FUNCTION

BACK   NEXT

Flash together

- Beat now flashes, indicating ready to record.
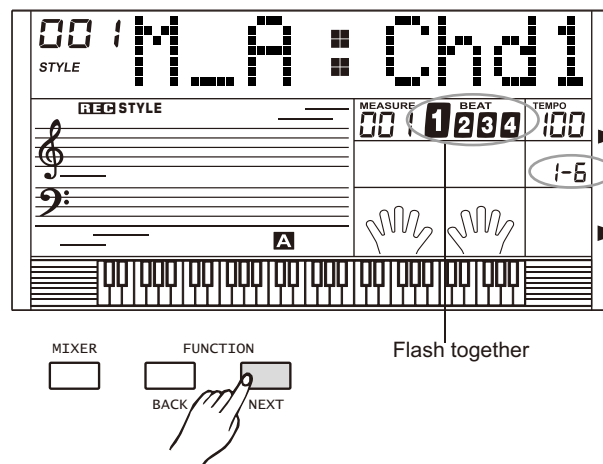
7. Press **[START/STOP]** button to begin recording.

```
201 M_A : Chd1
STYLE
[REC] STYLE                    MEASURE   BEAT   TEMPO
                               001  1         100
                                C  M7        1-7
                                    A
```

- Template rhythm begins to play in a loop of the selected paragraph. Use the keyboard to input the notes, the note that has just been inputed will be played in the next loop. The notes can be input repeatedly while template plays in a loop. The note will be replaced if a different note is input while the template is playing in the next loop.

START/   SYNC   START INTRO/END FILL A FILL B FADE A.B.C.
STOP   STOP

►■   ❚❚ REPEAT A/B ◄◄   ►►

```
001 M_A : Chd1
STYLE
[REC] STYLE                    MEASURE   BEAT   TEMPO
                               00   1 2 3 4  100
                                              1-6
                                    A
```

Flash together
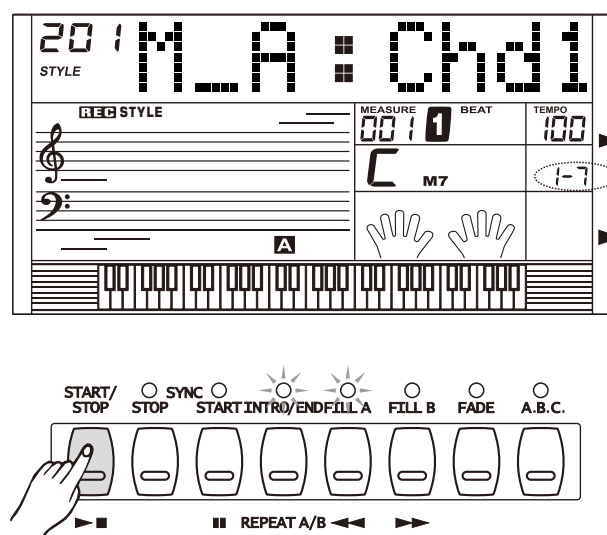
8. Press **[START/STOP]** button to stop the recording.

- Record ready page is resumed with beat now flashing again.

START/   SYNC   START INTRO/END FILL A FILL B FADE A.B.C.
STOP   STOP

►■   ❚❚ REPEAT A/B ◄◄   ►►

- If another paragraph or track needs to be recorded, simply use the **[FUNCTION/NEXT]** button to go back to step 4 or 5 and repeat the remaining steps.

39
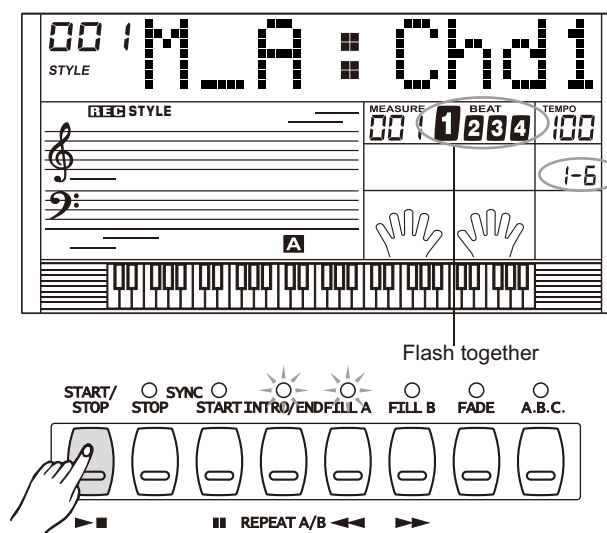
Copy a Style

1. Fist select an empty user style space.

  ● Press **[FUNCTION/NEXT]** button to enter choice menu.

  ● Press **[+/YES], [-/NO]** button or turn the **DIAL** to choose "Copy " .
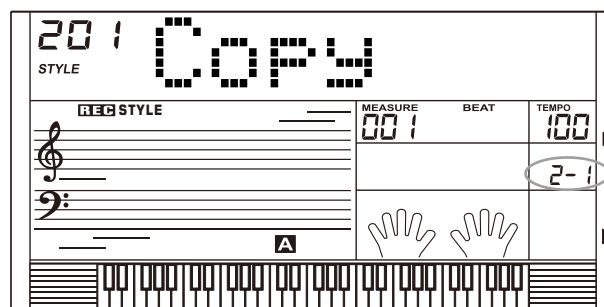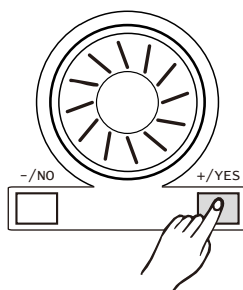
2. .Press **[FUNCTION/NEXT]** button to enter rhythm selection menu.

  ● Press **[+/YES], [-/NO]** button or turn the **DIAL** to select a user style that needs to be copied.
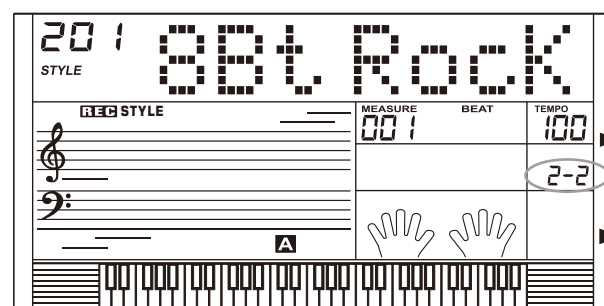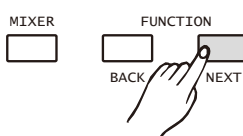
3. Press **[FUNCTION/NEXT]** button to enter next menu.

  ● LCD now displays: "Sure? " .

  ● Press **[+/YES]** if yes, otherwise press **[-/NO]** to return to previous menu.
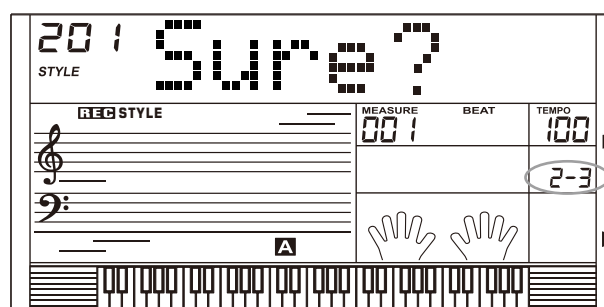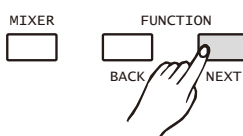
4. If pressed**[+/YES],** copy is now completed.
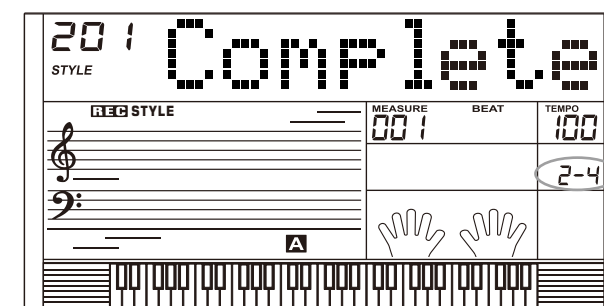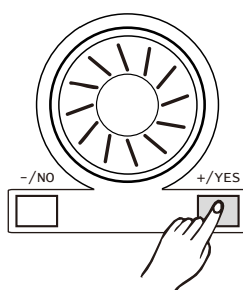
Quantify a Style

As timing of the recording may not be as accurate as it should be, Quantization helps users to correct the timing by aligning the notes to the exact beat. we'd suggest choosing the shortest note of the piece as the quantization precision for best result. If a lower quantization precision is chosen, for example choosing a quarter note as the precision when the shortest note is a 16th, the note with the short duration may be filtered.

1. Select the user style that needs to be quantified.

- Press **[FUNCTION/NEXT]** to enter choice menu.

- Press **[+/YES], [-/NO]** button or turn the **DIAL** to choose "Quantify" (if there is no data in user style, this menu can not be selected).
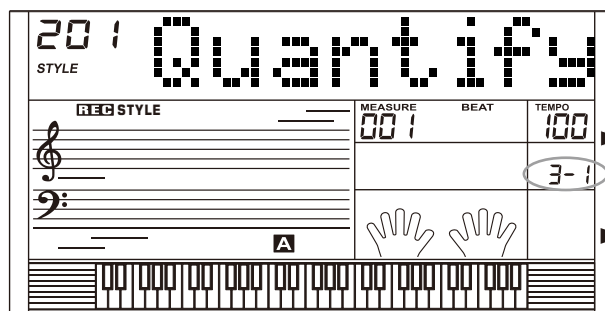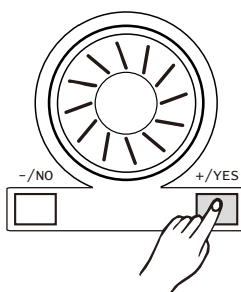
2. Press **[FUNCTION/NEXT]** to enter Quantization Precision menu.

- Press **[+/YES], [-/NO]** button or turn the dial to select quantization precision. Precision includes 1/4 (quarter), 1/3 (Quarter Triplet), 1/8 (Eighth), 1/8 (Eighth Triplet), 1/16 (Sixteenth), 1/16 (sixteenth Triplet), 1/32 (32nd), 1/32 (32nd Triplet).

Quantization Precision value

quarter note	eighth note	sixteenth note	thirty-second note	quarter note triplet	eighth note triplet	sixteenth note triplet	thirty-second note triplet

---
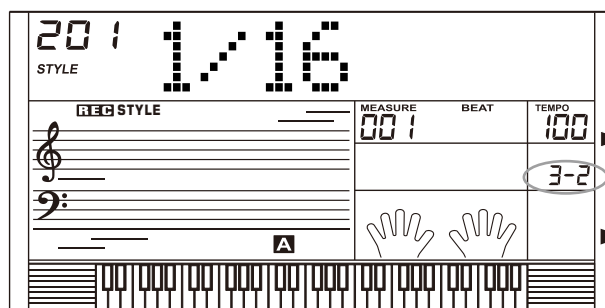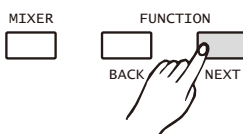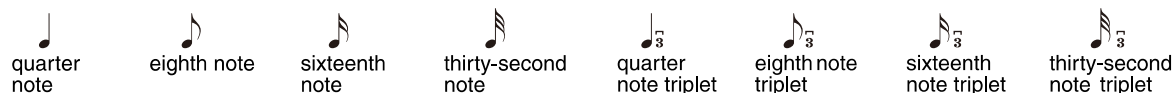
3. Press **[FUNCTION/NEXT]** to enter the paragraph menu.

- Press **[+/YES], [-/NO]** button or turn the **DIAL** to select the paragraph of rhythm: Main _ A, Main _ B, Intro _ M, Intro _ m, Fill _ A, Fill _ B, Ending _ M, Ending _ m.
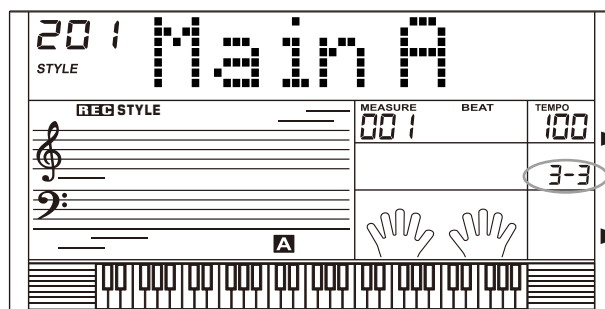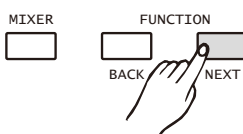
4. Press **[FUNCTION/NEXT]** to enter the Track menu.

- Press **[+/YES]**, **[-/NO]** button or turn the **DIAL** to select the track: Rhythm sub, Rhythm main, bass, chord 1, chord 2, chord 3, phrase 1, phrase 2.
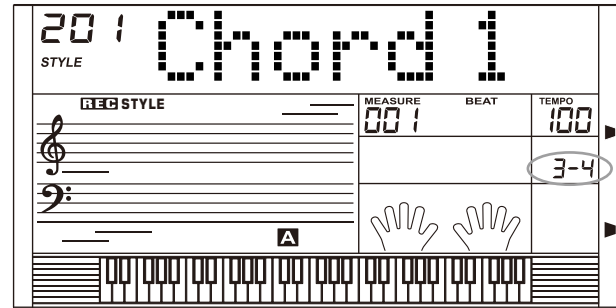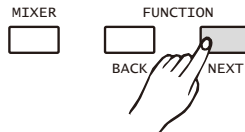
5. Press **[FUNCTION/NEXT]** to enter next menu.

- LCD now displays "Sure?".

- The original time and length of note will not be recoverable after quantization.

- Press **[+/YES]** if yes. Style will be quantified accordingly. Otherwise, press **[-/NO]** to return to previous menu.
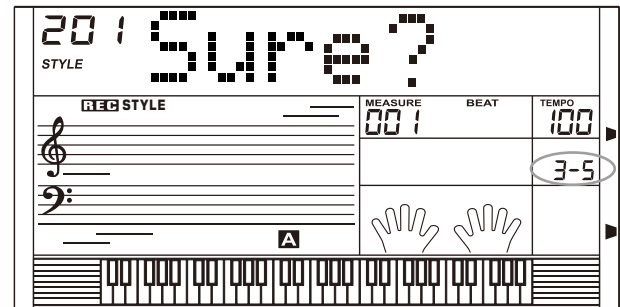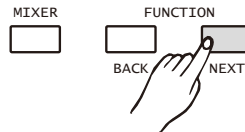
6. LCD displays "Complete". The recorded style will now be played with immaculate precision.
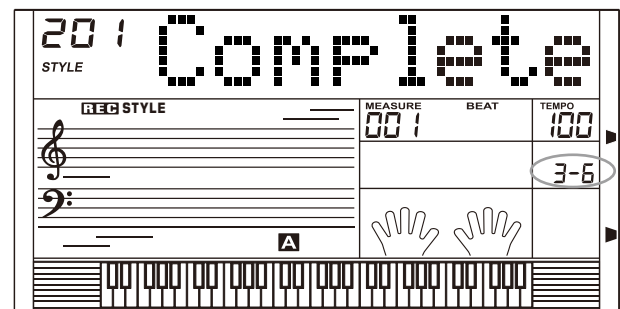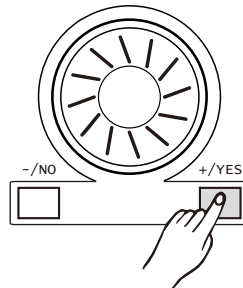
Edit a Style

Select the style that needs to be editted.

1. Press **[FUNCTION/NEXT]** button to enter choice menu.

- Press **[+/YES]**, **[-/NO]** button or turn the **DIAL** to choose "Edit".
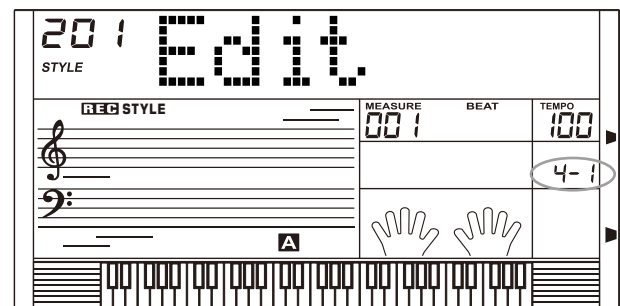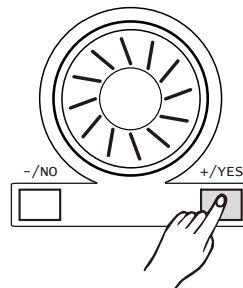
2. Press **[FUNCTION/NEXT]** button to modify tempo.

- Press **[+/YES]**, **[-/NO]** button or turn the **DIAL** to modify tempo.

42
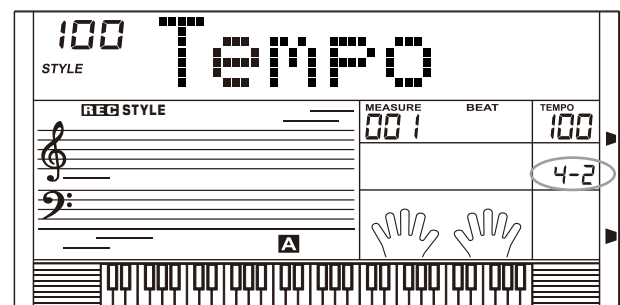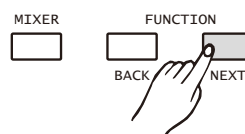
3. Press **[FUNCTION/NEXT]** button to enter page of the rename of style name (full name).

MIXER   FUNCTION
BACK   NEXT

`201` `8 Beat R`
STYLE
REC STYLE   MEASURE `001`   BEAT   TEMPO `100`
`4-3`
A
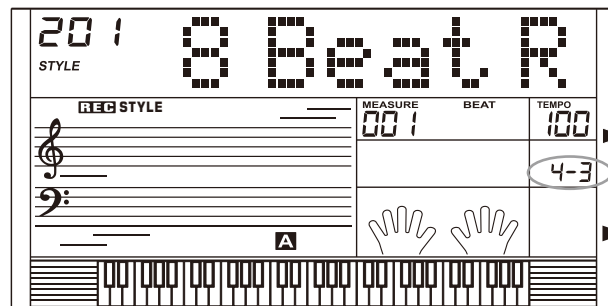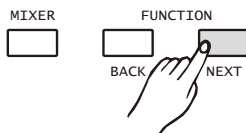
● Keyboard & Character Relative Table File name includes 1-8 characters to be input it with the keyboard.

SHIFT BACK DEL NEXT C E G J L O Q S V X 0 2 4 7 9 $ & [@ ` A B D F H I K M N P R T U W Y Z 1 3 5 6 8 ! # % ,] - _ { }
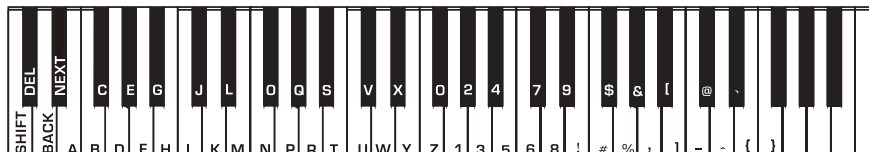
Explanation:

[SHIFT]:
26 letters will be displayed with capital letter by pressing the key-board in letter area directly.
To display small letter, press the **[SHIFT]** key hold on.

[DELETE]:
when the flashing cursor is at the last character (the eighth bit),press it to erase the current character. Otherwise, it will erase the left character.

[BACK]:
move the current cursor to the left.

[NEXT]:
move the current cursor to the right.

4. Press **[FUNCTION/NEXT]** button to enter page of the abbreviation of style name.

● Only 8 characters or digits can be entered.

MIXER   FUNCTION
BACK   NEXT

`001` `8Bt RocK`
STYLE
REC STYLE   MEASURE `001`   BEAT   TEMPO `100`
`2-2`
A
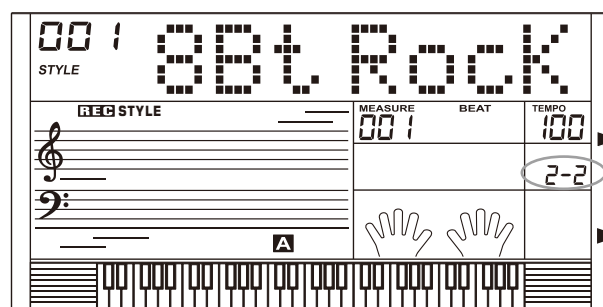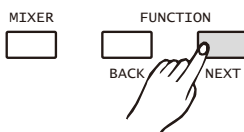
5. Press **[FUNCTION/NEXT]** button to enter next menu.

● LCD now displays "Save? "

● Press **[+/YES]** if yes, otherwise press **[-/NO]** to return to previous menu.

MIXER   FUNCTION
BACK   NEXT

`201` `Save ?`
STYLE
REC STYLE   MEASURE `001`   BEAT   TEMPO `100`
`4-5`
A
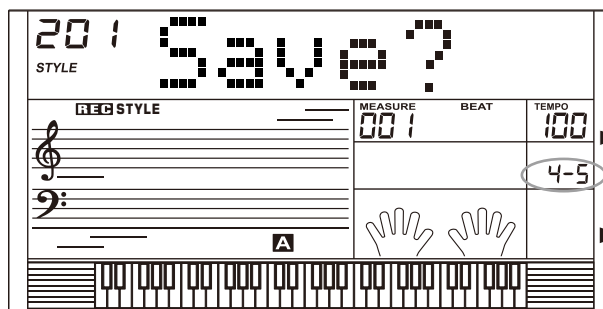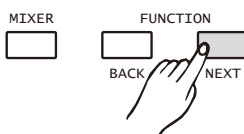
6. If pressed **[+/YES]** , edit is now completed.

-/NO   +/YES

`201` `Complete`
STYLE
REC STYLE   MEASURE `001`   BEAT   TEMPO `100`
`4-6`
A

43
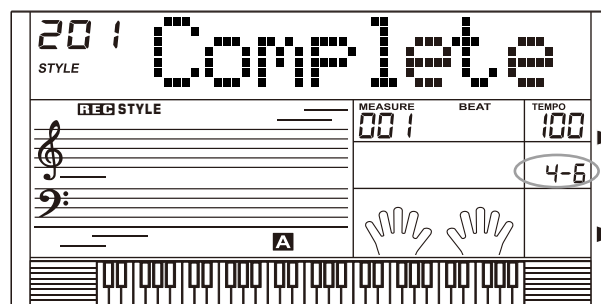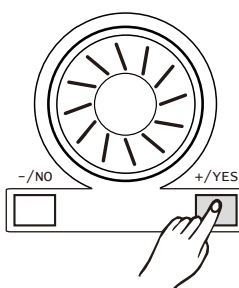
Delete a style

Select the user style that needs to be deleted.

1. Press **[FUNCTION/NEXT]** button to enter choice menu.

- Press **[+/YES], [-/NO]** button or turn the **DIAL** to choose "Delete".
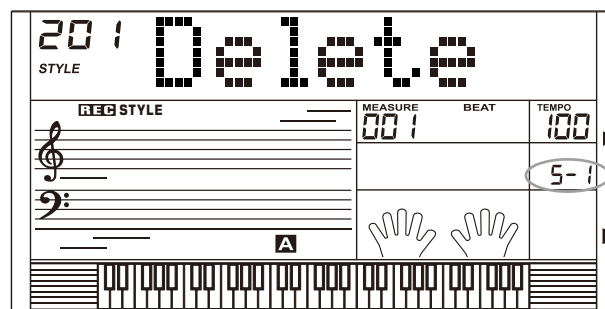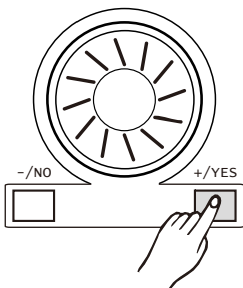
2. Press **[FUNCTION/NEXT]** button to enter Paragraph Selection page.

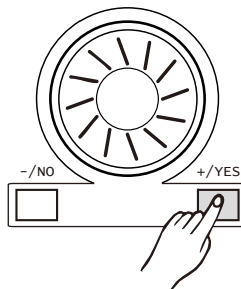- Press **[+/YES], [-/NO]** button or turn the **DIAL** to select the paragraph that needs to be deleted.
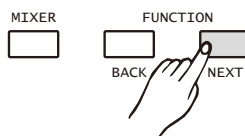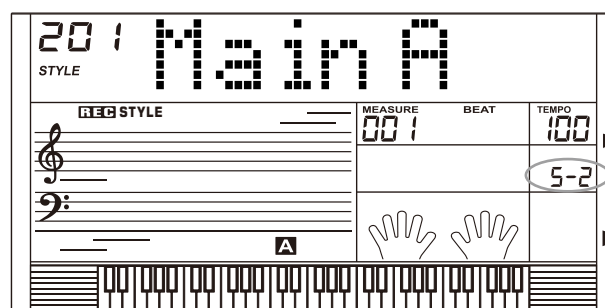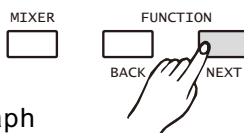
- If All is selected, the menu will jump to step 4.

3. Press **[FUNCTION/NEXT]** button to enter Track Selection page.

- Press **[+/YES], [-/NO]** button or turn the **DIAL** to select the track that needs to be deleted.
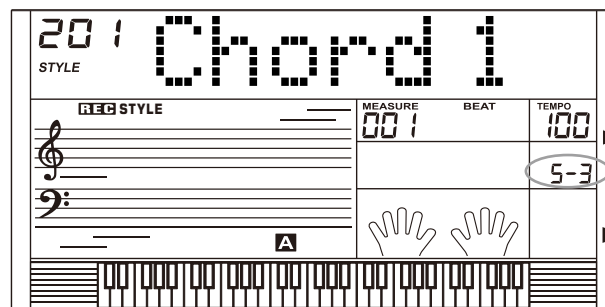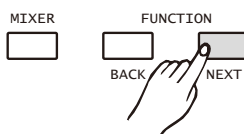
- If All is selected, the rhythm will be deleted.

4. Press **[FUNCTION/NEXT]** button to enter next menu.

- LCD now displays "Sure?".

- Press **[+/YES]** if yes, other Press **[-/NO]** to return to previous menu.
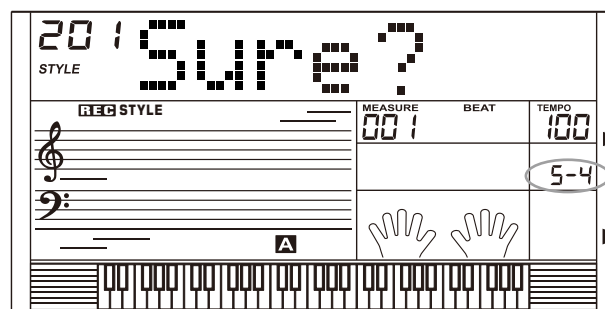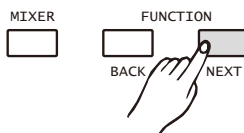
5. If pressed **[+/YES]**, Delete of the track is now completed.
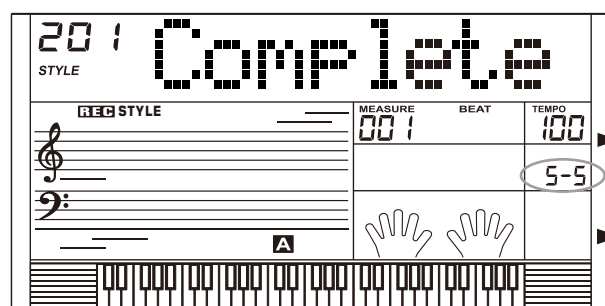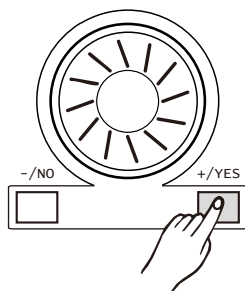
Song

Total of 100 songs, in which there are 10 piano songs. Each song can be practiced in LESSON mode. (See appendix: page 62)

1. **START/STOP the song:**
   Press **[SONG]** button to enter the song mode. It will play all songs in a loop.
   Press **[START/STOP]** button to start / stop playing the song, but it will not quit the song mode.

2. **Loop:**
   The 2nd time you start playing the song by pressing **[START/STOP]** button, it will play current song repeatedly.

3. **Select the song:**
   Use **[+/YES]** / **[-/NO]** button or **DIAL** to select the song you want.

4. **Song control:**

   - **Introductory beat:**
     Before the song start playing, the keyboard has the introductory beat, the measure starts from negative value. It begins to play the song when the measure goes to 1.

   - **REW,FF and PAUSE:**
     When the song is playing, press **[►►]** button to fast forward the song.
     Press **[◄◄]** to rewind the song (base on the measure), press **[❚❚]** to pause the playing song.

   - **Song repeat**
     When playing the song, press **[REPEAT A/B]** button to set the location of loop begin and loop end to the current song. Press the **[REPEAT A/B]** to set the loop begin, and press the **[REPEAT A/B]** twice to set the loop end. When in loop status, press **[REPEAT A/B]** again to quit to loop playing status.

   When the song is stopped, press **[STYLE]**, **[CHORD DICTIONARY]**, **[VOICE]**, **[DUAL]** or **[LOWER]** will exit the song mode.

   NOTE

   - The user song do not have the function of REW, FF and PAUSE.

45
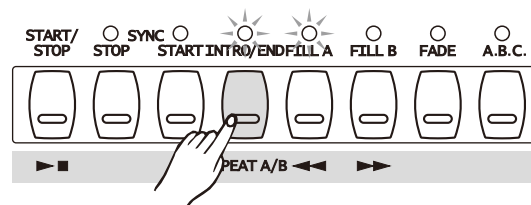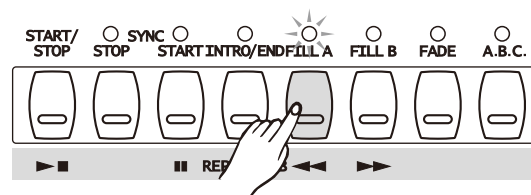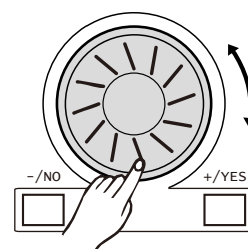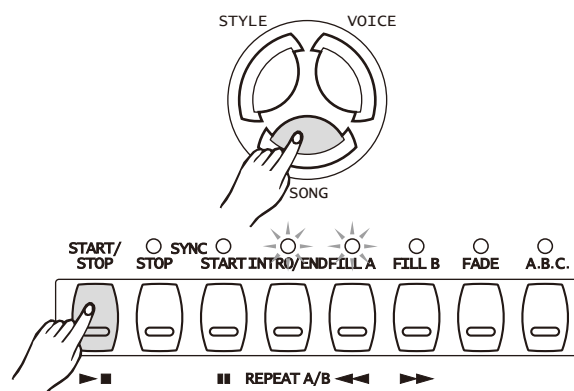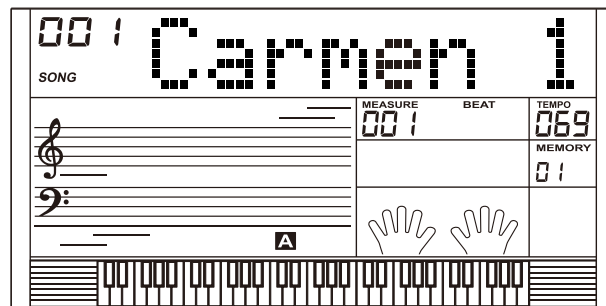
Lesson Mode

Learning a new song primarily involves with the timing of the piece and accuracy of the note. Thus the song learning function focuses on these two elements to help you better play a song.
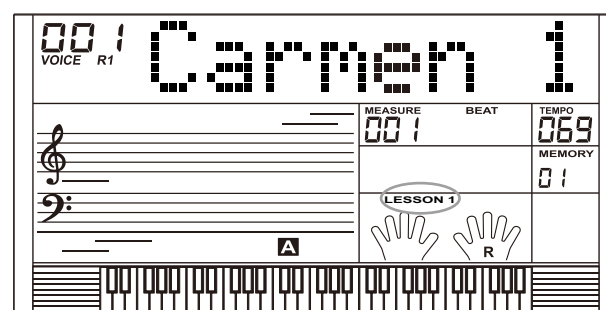
1. In song mode, press **[LESSON]** button to enter lesson mode.

2. There are 3 levels to score the performance of your playing. You can use **[R]** and **[L]** button to select which hand to practice. If neither hand is selected, the keyboard will choose the right hand automatically.
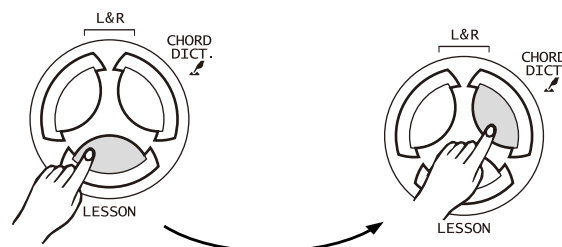
NOTE

- According to the type of the song, the content of your practice by left hand is not the same. If you choose chord song, the left hand practices the chord, otherwise, left hand practise the melody.

- When the song is playing, the note and the keyboard displayed on the LCD indicate the melody and chord position, the numbered musical notation displayed on LCD shows the last note played by RIGHT track, and it will be convenient for you to practice .

Lesson 1-Practice an timing

Press **[LESSON]** button to enter the lesson mode, the lesson 1 flag is lightened on LCD.
Evaluation is based on accuracy of time value, accuracy of note playing will not be graded.

1. Press **[START/STOP]** to begin.

2. If **[R]** is selected; it will mute the melody of right hand and you will have to follow the timing of the right hand. As long as the timing is correct, the melody will sound.

- If **[L]** is selected ; it will mute the changing chord and melody by left hand. You will have to follow timing of the left hand. As long as the timing is correct, the chord / melody will sound.

- If **[L]** and **[R]** are selected, the melody on left and right hand will be muted. You will have to follow timing on both left and right hand, the song will then play accordingly.

3. Once completed, the result of evaluation will be voiced.
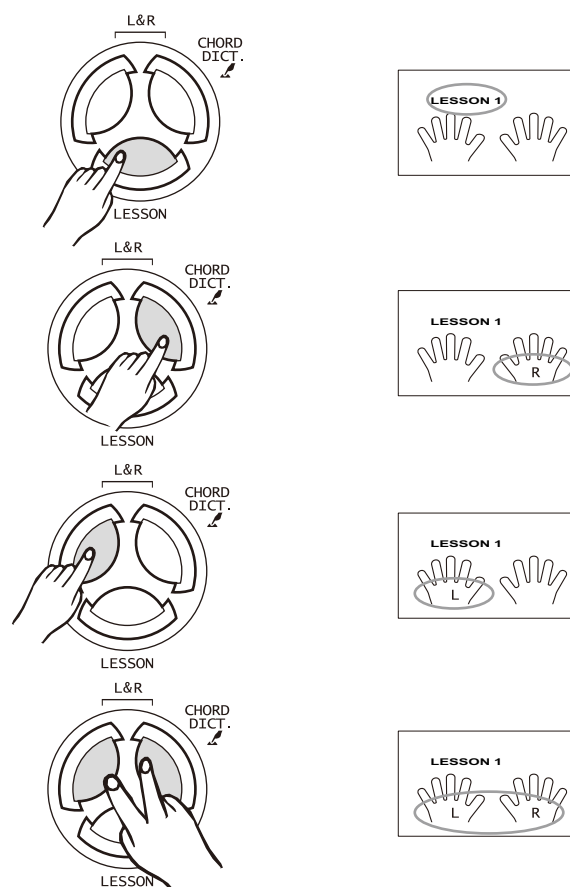
Lesson 2-Practice a note accuracy

Press **[LESSON]** button again to enter the lesson 2 mode. Evaluation is based on accuracy of note playing. Accuracy of time value will not be considered as the song will only continue to the next when the correct note is played.

1. Press **[START/STOP]** button to begin.

2. If **[R]** is selected, only the left hand will be played automatically until the first note on right hand is played. The song will not proceed until the correct note is played.

● If **[L]** is selected, only the right hand will be played. The song will not proceed until the notes of the left hand is played correctly.

● If **[L]** and **[R]** are selected, the song will proceed only when the notes of left and right hand are played correctly.

3. Once completed, the result of evaluation will be voiced.
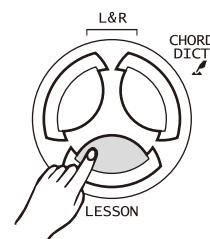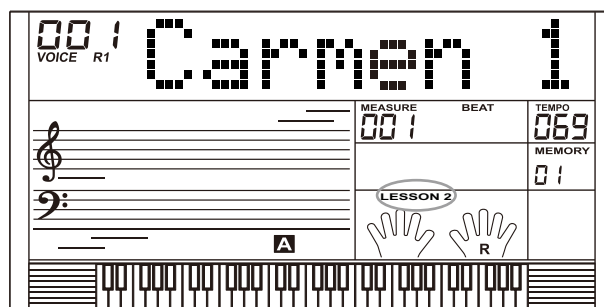
Lesson 3

Press **[LESSON]** button in LESSON 2 to enter the LESSON 3 mode.
In this mode, evaluation is based on correction of the time value and note.

1. Press **[START/STOP]** button to begin.

2. If **[R]** is selected, the melody in the right hand will be muted. Unlike lesson 1, the correct note must be played to produce correct melody.

● If **[L]** is selected, the chord / melody in the left hand will be muted. Unlike lesson 1, the correct chord or melody must be played to produce correct chord or melodic line.

● If **[L]** and **[R]** are selected, the left hand and right hand will both be muted, only the accompaniment will sound. Both hands must be played correctly to produce correct song.

3. Once completed, the result of evaluation will be voiced.

47

aw_MD600_Manual__G05_part2_1504130   30   2015-4-16   19:22:50
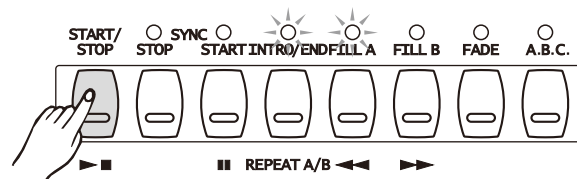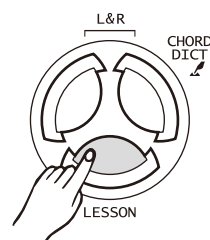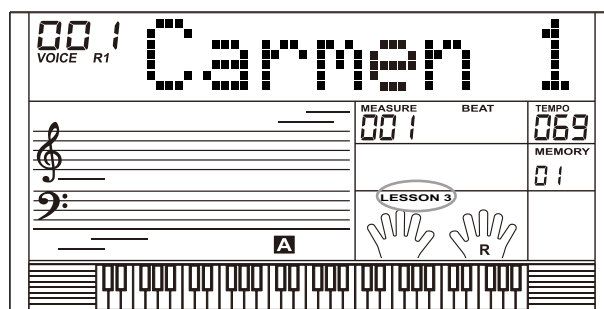
Chord Dictionary

If you know the name of a chord but don't know how to play it, you can use the Chord Dictionary function.

1. DICT 1 (CHORD LEARNING MODE)

Press and hold the **[CHORD DICT./R]** button for longer than 2 seconds to enter DICT 1 mode.
In this mode, the keys above C4 are used to assign the Chord Type, the keys above C6 are used to assign the Chord Root.
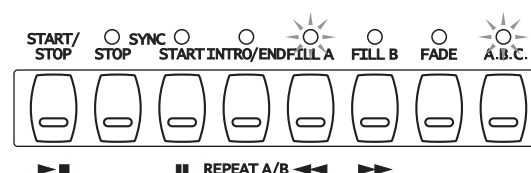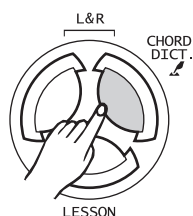
When the Chord Type and Chord Root is confirmed, The LCD will display the Chord and its keyboard position. For example, if we want to play a Cm7 Chord. Press the C key in the section of the keyboard labeled CHORD ROOT. (The note does not note sound) the root note you set will be shown on the display.
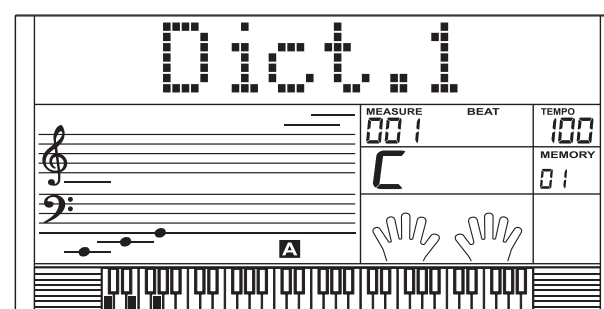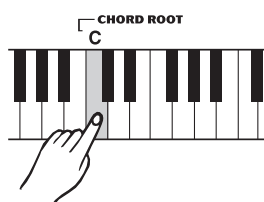
Press the m7 key in the section of the keyboard which has labeled CHORD TYPE (The note does not sound). The notes you should pay for the specified chord (root not and chord type) are shown in the display as the notation and also in the keyboard diagram.
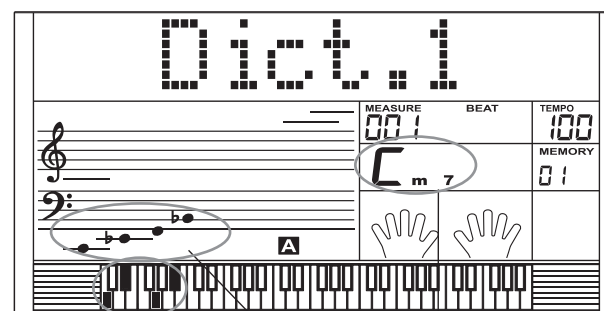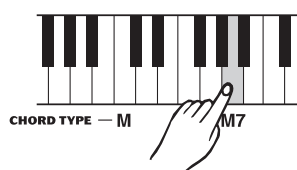
Individual notes of chord (keyboard)   Notation of chord   Chord name (root and type)

48

When the Chord Type and Chord Root are confirmed, the LCD will display the chord and its keyboard position. A bell sound will be heard when you play it correctly.

Individual notes of chord (keyboard)   Notation of chord Chord name (root and type)

Split point
Accompaniment range
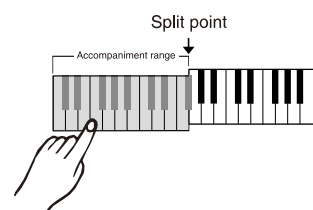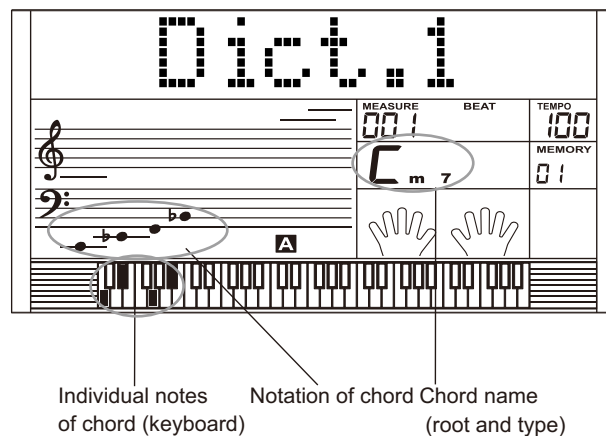
2. **DICT 2 (CHORD TEST MODE)**

Press **[R]** button again to enter DICT 2 mode. The chord area on the LCD will display a random chord , while the keyboard position doesn't display anything on LCD. When you play the correct chord within 3 seconds, the next chord (random) will be displayed on LCD to wait for the correct chord playing, if not, LCD displays the corresponding keyboard position automatically.
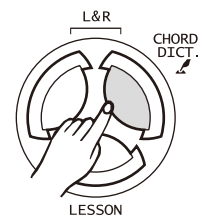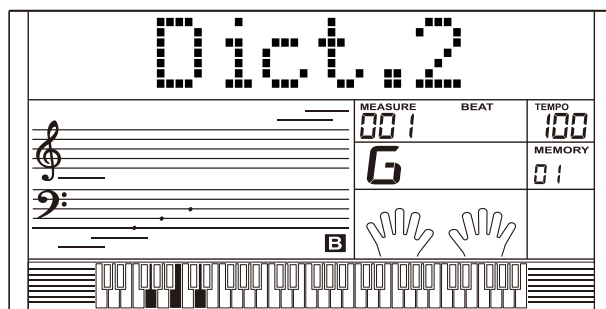
Press **[R]** button for the third time to turn off chord dictionary.

49
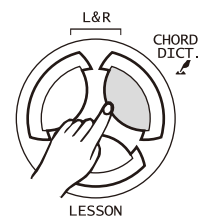
24 chords will be displayed in the dictionary mode as follows:

Chord Root:

Note	Chord Root	Note	Chord Root
C6	C	$F^\#6$	$F^\#/G^b$
$C^\#6$	$C^\#/D^b$	G6	G
D6	D	A^b6	$A^b/G^\#$
E^b6	$E^b/D^\#$	A6	A
E6	E	B^b6	$B^b/A^\#$
F6	F	B6	B

Chord Type:

Note	Chord Type	Note	Chord Type
C4	M	C5	7(b9)
$C^\#4$	M(9)	$C^\#5$	7(9)
D4	6	D5	7(#9)
E^b4	mM7	E^b5	7(b13)
E4	M7	E5	7(13)
F4	m	F5	7(#11)
$F^\#4$	m(9)	$F^\#5$	dim7
G4	m6	G5	dim
A^b4	m7(9)	A^b5	7aug
A4	m7	A5	aug
B^b4	m7b5	B^b5	7sus4
B4	7	B5	sus4

Pedal

Foot Switch

The keyboard can assign the pedal in function menu.
(See FUNCTION)

```
MIXER        FUNCTION
[    ]       [    ]  [    ]
           BACK      NEXT
```
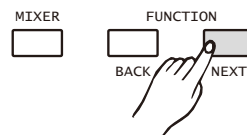
PEDAL SUSTAIN
If pedal assign is set as "pedal sustain", it will activate the sustain effect when you step the pedal.

`001 Ped Sust`

PEDAL SOFT
If pedal assign is set as "pedal soft", it will activate the soft effect when you step the pedal.

`004 Ped Soft`

PEDAL START/STOP
If pedal assign is set as "pedal ST/S", the pedal will have the same function as **[START/STOP]** button.

`002 Ped ST/S`

PEDAL MEMORY SELECT
If pedal assign is set as "pedal mem", it will load the next memory parameter when you step the pedal.

`003 Ped Mem`

Volume Pedal

You can step the volume pedal to control the volume.

51

MIDI Function

What is MIDI

1. MIDI stands for "Musical Instrument Digital Interface", that is the standard interface between a PC and other electronic instrument(s).

2. USB connection can be used for midi data transference with computer or other USB host devices that support USB audio device with an USB cable.

3. The keyboard can be connected to the PC or other USB host device with an USB interface.

4. Use the keyboard as a tone generator, the data (MIDI) recorded on the PC or other USB host devices can be played on the keyboard.

NOTE

• While a recording is playing back and a style is playing, you can not use the MIDI IN function, or the song you are playing will have error occurs for the same channel.

USB Connection

1. System Requirements

• CPU: 300 MHz or higher, Pentium 2
• Memory: 64MB or more
• Hard Disk: at least 2 MB of free base
• OS: WINDOWS 2000/XP

2. The Method of Connection

Connect a standard USB cable between the rear-panel of the USB jack of the instrument and the USB jack on your computer (USB cable sold separately).
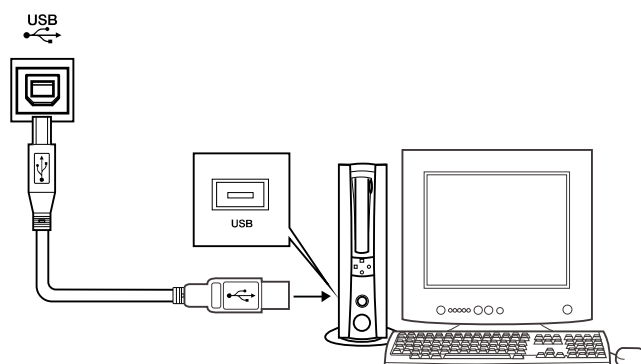
3. USB Precautions

Please observe the following precautions when connecting the instrument to a computer via a USB cable. Failure to do so can cause the instrument and/or the computer to hang up(freeze), possibly causing corruption or losing the data.
If the instrument or computer does hang up, turn the power of both devices off and then turn it on again after a few seconds.

CAUTIONS!

Activate the computer from a sleep/suspended/standby mode before connecting the USB cable.

Connect the USB cable to the instrument and a computer before turning the power of the instrument on.

52

MIDI Connection

Connection rule

In midi connection, the equipment which control another one is called "Host equipment", while another is called "Affiliated equipment".

The host equipment's MIDI OUT connects with affiliated equipment's MIDI IN

Note that MIDI OUT cannot connect with MIDI IN on the same equipment.

The method of connection

Connect the MIDI interface with PC.
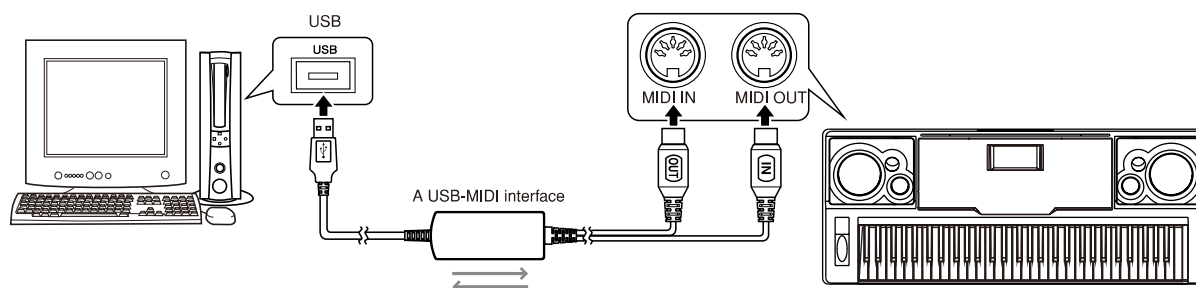
Connect the MIDI interface with the other MIDI interface.
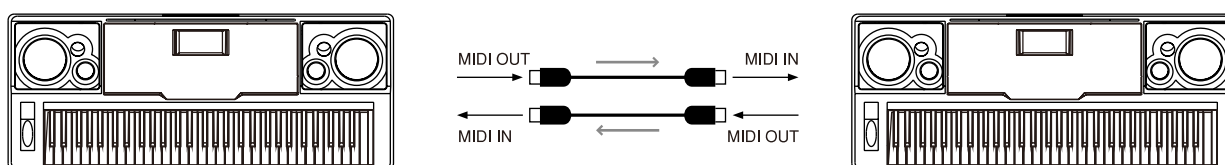
MIDI Application

1. The keyboard can control other equipments or electronic instruments.

2. Some equipments can be used to control the keyboard.

3. PC recorded data (MIDI) can be played on the keyboard.

53

Specifications

LCD display	Multi-functional LCD
Keys	61 keys with Touch Response
Polyphony	64-note polyphony(max)
Voice	559 Voices.
Style	203 Styles, including 3 user styles.
Song	100 Songs
Demo	2 Demos
Control button	Power on/off, Volume, Accomp Volume +/-,Tempo +/-, Lesson, L&R, Chord Dictionary, Mixer, Function Back/Next, Voice, Style, Song, O.T.S. , M1-M6, Store, Bank, Start/Stop ►■, Sync Start ▌▌ , Sync Stop, Intro/End/Repeat A/B, Fill A◄◄ , Fill B►► , FADE, A.B.C. Record, Style Record, Play/Stop, Accomp, Melody 1, Melody 2, Melody 3 Melody 4, Melody 5, Dual, Split, Touch,Sustain, DSP, Demo, Transpose +/- , Octave +/-, +/YES,-/NO, Piano, Metronome
Accompaniment Control	Start/Stop ►■, Sync Start ▌▌ , Sync Stop, Intro/End/Repeat A/B, Fill A◄◄ , Fill B ►► , FADE,
Record Function	Record, Style Record, Play/Stop, Accomp, Melody 1, Melody 2, Melody 3 Melody 4, Melody 5
Panel Memory	48 Memory Storage
Connectors	DC Power, Headphones, Aux.Out, Sustain, Volume, USB, MIDI IN/OUT/THRU
Speaker	4 Ω 10w x 2 ; 4 Ω 25w x 2
Dimension	970(L)x390(W)x160(H)mm
Weight	9kg
Accessories	Adaptor, Music Rest, Manual

＊   All specifications and appearances are subject to change without notice.

Trouble Shooting

Problem	Possible Cause and Solution
No matter the instrument is turned on or off, a popping sound will be temporarily produced.	This is normal and indicates that the instrument is receiving electrical power.
There is no sound even when the keyboard is played or when a song or style is being played.	Check if any cable or headphone is connected to the PHONES jack on the rear panel. When a set of headphonesis plugged into this jack, no sound is output.
The volume is too soft. The sound quality is poor. The rhythm stops unexpectedly or not responding. The recorded data of the song is not playing correctly. The LCD display suddenly goes dark, and all panel settings are reset.	The batteries are low or dead. Replace all six batteries with completely new ones, or use the optional AC adaptor.

Appendix 1-Voice List

No	Name
	Piano
001	Stereo Grand Piano 1
002	Stereo Grand Piano 2
003	Stereo Grand Piano / W
004	Grand Piano / W
005	Stereo Piano Dark
006	Octave Piano 1
007	Octave Piano 2
008	Synth Piano
009	Dreamscape
010	Piano & Strings
011	Piano & Choir
012	Acoustic Grand Piano
013	Stereo Bright Piano
014	Bright Piano 1
015	Bright Piano 2
016	Bright Piano 1 / W
017	Bright Piano 2 / W
018	Detuned Piano
019	Chorus Piano
020	Velocity Crossfade Piano
021	Piano Pad
022	Piano & Vibraphone
023	Electric Grand Piano
024	Stereo Honk-Tonk
025	Honky -Tonk
026	Honky -Tonk Dark
027	Honky-Tonk 1 / W
028	Honky -Tonk 2 / W
029	Stereo Hard E.P.
030	Detuned E.P. 1
031	Detuned E.P. 2
032	E Piano 1
033	E Piano 2
034	E.Piano 1 / W
035	E.Piano 2 / W
036	E.Piano 3 / W
037	E.Piano 4 / W
038	Hard E.P.
038	Soft E.P.
039	Deep E.P.
040	Velocity Crossfade E.P. 1

No	Name
041	Velocity Crossfade E.P. 2
041	Layered E.P. 1
044	Layered E.P. 2
045	Nylon E.P.
046	Warm E.P.
047	Cloudy E.P.
048	Grand Harpsichord
049	Harpsichord 1
050	Harpsichord 2
051	Harpsichord 1 / W
052	Harpsichord 2 / W
053	Harpsichord Octave 1
054	Harpsichord Octave 2
055	Harpsichord Release
056	Harpsikd / O
057	Piano & Harpschord
058	Stereo Clavichord
059	Clavichord 1
060	Clavichord 2
061	Clavichord 1 / W
062	Clavichord 2 / W
063	Clavichord Wah
064	Punchy Clavichord
	Mallet
065	Celesta 1
066	Celesta 2
067	Birght Celeasta
068	Celesta & Sine
069	Reecho Bell
070	Celesta & Music Box
071	Glockenspiel 1
072	Glockenspiel 2
073	Glockenspiel & Sine
074	Glockenspiel & Celesta
075	Music Box 1
076	Music Box 2
077	Music Box 3
078	Toy Box
079	Music Box & Harp
080	Stereo Vibrapho
081	Rigid Vibraphone
082	Vibraphone 1
083	Vibraphone 2

No	Name
084	Vibraphone 1 / W
085	Vibraphone 2 / W
086	Vibraphone & Bell
087	Vibraphone & Harpsichord
088	Marimba 1
089	Marimba 2
090	Marimba / W
091	SinMarimba
092	Stereo Marimba
093	Marimba & Vibraphone
094	Wood Drum
095	Xylophone 1
096	Xylophone 2
097	Tubular Bells 1
098	Tubular Bells 2
099	Tubular Bells 3
100	Dulcimer
101	Santur
102	Shorty
	Organ
103	Drawbar Organ Stereo
104	Soft Stereo Drawbar Organ
105	Mellow Drawbar Organ
106	Drawbar Organ
107	Drawbar Organ Detuned
108	Bright Drawbar Organ
109	1960 Drawbar Organ
110	1970 Percussive Organ
111	Percussive Organ 1
112	Percussive Organ 2
113	Light Click Organ
114	Percussive Organ Detuned
115	Stereo Rotary Organ
116	Rock Organ
117	Rotary Organ
118	Slow Rotary Organ
119	Detuned Church Organ
120	Church Organ 1
121	Church Organ 2
122	Octave Church Organ
123	Stereo Reed Organ
124	Reed Organ
125	Accordion 1

No	Name
126	Accordion 2
127	Accordion 3
128	Chorus Accordion
129	Mustte
130	Accord ItSolo
131	Harmonica 1
132	Harmonica 2
133	Detuned Harmonica
134	Sweet Harmonica
135	Tango Accordion
Guitar	
136	Nylon G.T. 1
137	Nylon G.T. 2
138	Nylon G.T. / R
139	Velocity Nylon G.T.
140	Detuned Nylon G.T.
141	Chorus Nylon G.T.
142	Bright Nylon G.T.
143	Steel G.T. 1
144	Steel G.T. 2
145	Detuned Steel G.T.
146	Velocity Steel G.T.
147	Velocity Steel G.T.(Fx)
148	Pedal Steel G.T.
149	Velocity Pedal Steel G.T.
150	12 String GT.
151	Chorus Steel G.T.
152	Nylon & Steel G.T.
153	Jazz G.T. 1
154	Jazz G.T. 2
155	Mellow G.T.
156	Velocity Jazz G.T.
157	Jazz G.T. Detuned
158	Clean G.T. 1
159	Clean G.T. 2
160	Clean G.T. 3
161	Stereo Clean G.T.
162	Velocity Clean G.T.
163	Chorus Clean G.T.
164	Muted G.T. 1
165	Muted G.T. 2
166	Funk G.T.
167	Jazz Boy

No	Name
168	Stereo Muted G.T.
169	OverDriven G.T. 1
170	OverDriven G.T. 2
171	Detuned Overdriven G.T.
172	Distortion G.T. 1
173	Distorted G.T. 2
174	FeedbackG.T. 1
175	FeedbackG.T. 2
176	Distorted Rhythm G.T.
177	5th Distortion
178	Distortion G.T. Octave
179	Stereo Distorted G.T.
180	G.T. Harmonics 1
181	G.T. Harmonics 2
Bass	
182	Acoustic Bass 1
183	Acoustic Bass 2
184	Acoustic Bass Detuned
185	Acoustic Bass Filter
186	Jazz Style
187	A.Bass & Mute G.T.
188	Resonant Bass
189	Velocity Crossfade Bass
190	Wah Bass 1
191	Wah Bass 2
192	Finger Bass 1
193	Finger Bass 2
194	Detuned Finger Bass
195	Dark Finger Bass
196	Jazz Bass
197	Resonant Finger Bass
198	Velocity Bass
199	Velocity Finger Bass (FX)
200	Bass & Distorted Elec Guitar
201	Pick Bass 1
202	Pick Bass 2
203	Mute Pick Bass
204	Detuned Pick bass
205	Fretless Bass 1
206	Fretless Bass 2
207	1990 Bass
208	Fretless Bass & Sine
209	Fretless Bass Detuned 1

No	Name
210	Fretless Bass Detuned 2
211	Fretless Bass Detuned 3
212	Slap Bass 1
213	Slap Bass 2
214	Slap Bass 3
215	Slap Bass 4
216	Power Slap Bass
217	Lash Thumb Bass
218	Resonant Slap Bass
219	Velocity Switch Slap Bass
220	Synth Bass 1
221	Synth Bass 2
222	Synth Bass 3
223	Synth Bass 4
224	Synth Bass 5
225	Super Synth Bass
226	Tech Synth Bass
227	Synth Bass / O
228	Fast Syntonic Bass
Strings	
229	The ViOlin
230	Violin 1
231	Violin 2
232	Violin 3
233	Mono Violin
234	Octave Violin
235	Electric Violin
236	Slow Violin
237	Two Violin
238	Soft Violin
239	Largo Violin
240	Viola 1
241	Viola 2
242	Viola 3
243	Dark Viola
244	Cello 1
245	Cello 2
246	Cello 3
247	Cello 4
248	Celloen 16'
249	Chamber Music
250	Contrabass 1
251	Contrabass 2

No	Name
252	Tremolo Strings 1
253	Tremolo Strings 2
254	Slow Tremolo Strings 1
255	Slow Tremolo Strings 2
256	Pizzicato Strings 1
257	Pizzicato Strings 2
258	Octave Pizzicato
259	Orchestral Harp 1
260	Orchestral Harp 2
261	Velocity City
262	Africa
263	Timpani 1
264	Timpani 2
Strings Ensembl	
265	The Strings
266	Synth Strings 1
267	Synth Strings 2
268	Synth Strings 3
269	Synth Strings 4
270	Synth Strings 5
271	Strings Ensemble 1
272	Strings Ensemble 2
273	Resonant Strings
274	Stereo Slow Strings
275	Slow Strings
276	Sforzato Strings
278	Orchestra
278	Legato Strings
279	Arco Strings
280	1960 Strings
281	1970 Strings
282	Solo Strings
283	Choir Aahs 1
284	Choir Aahs 2
285	Choir Aahs3
286	Mellow Choir
287	Stereo Choir Aahs 1
288	Stereo Choir Aahs 2
289	Strings Choir
290	Voice Oohs 1
291	Voice Oohs 2
292	Synth Voice 1
293	Synth Voice 2

No	Name
294	Echo Synth Voice
295	Orchestra Hit 1
296	Orchestra Hit 2
297	Orchestra Hit Octave
298	Orchestra Hit Stereo
299	6th Orchestra Hit
Brass	
300	Trumpet 1
301	Trumpet 2
302	Trumpet 3
303	Dark Trumpet
304	Resonant Trumpet
305	Sweet Trumpet
306	Wah Trumpet
307	Trombone 1
308	Trombone 2
309	Trombone 3
310	Dark Trombone
311	Strings & Trombone
312	Tuba 1
313	Tuba 2
314	Tuba Solo
315	Soft Tuba
316	Muted Trumpet 1
317	Muted Trumpet 2
318	French Horn 1
319	French Horn 2
320	Soft Horn
321	Stereo French Horn
322	5th Horn Orchestr
323	Brass Section 1
324	Brass Section 2
325	Brass Section 3
326	Brass Section 4
327	Brass Section Octave
328	Brass Swell
329	Brassband
330	Bright Brass Section
331	Dark Brass
332	Mute Brass Ensemble
333	SforzatoBrass
334	Stereo Brass & Strings
335	Synth Brass 1

No	Name
336	Synth Brass 2
337	Synth Brass 3
338	Synth Brass 4
339	Synth Brass 5
340	Leap Brass
341	Octave Synth Brass
342	Synth Brass & Strings 1
343	Synth Brass & Strings 2
344	Echo Brass
345	Sooth Brass
Reed	
346	Soprano Sax 1
347	Soprano Sax 2
348	Soprano Sax Soft
349	Solw Soprano Sax
350	Sweet Soprano Sax
351	Alto Sax
352	Alto Sax & Breath
353	Super Alto Sax
354	Sax Band
355	Folk Sax
356	Tenor Sax
357	Baritone Sax
358	Baritone Sax & Breath
359	Oboe 1
360	Oboe 2
361	Sweet Oboe
362	English Horn 1
363	English Horn 2
364	Analog Horns
365	Woodwinds
366	Bassoon 1
367	Bassoon 2
368	Clarinet 1
369	Clarinet 2
Pipe	
370	Piccolo
371	Flute
372	Jazz Flute
373	Recorder
374	Sweet Pan Flute
375	Pan Flute
376	Dark Pan Flute

57

No	Name
377	Blown Bottle
378	Shakuhachi
379	Whistle 1
380	Whistle 2
381	Ocarina
Lead	
382	Lead 1 (square)
383	Square
384	Lead Sine
385	Slow Square Lead
386	Sine Solo
387	Square Lead 1
388	Square Lead 2
389	Thick Square
390	Corrie
391	Quint
392	2 Oscillators Lead
393	Sawtooth Lead 1
394	Sawtooth Lead 2
395	Wavy Sawtooth
396	Lead 2 (sawtooth)
397	Solw Saw
398	Super Analog
399	Synther
400	Heavy Sawtooth
401	Bauble Lead
402	PWM 4th
403	Lead 3 (calliope)
404	Lead 4 (chiff)
405	Lead 5 (charang)
406	Lead 6 (voice)
407	Voice Lead
408	Lead 7 (fifths)
409	Fifths Lead Soft
410	Fifth Lead
411	Lead 8 (Bass & Lead)
412	Massiness
413	Bass Lead
Pad	
414	Pad 1 (newage)
415	Slow Square
416	New Year Pad
417	Pad2 (warm)

No	Name
418	PWM Pad
419	Sine Pad
420	Warmly Pad
421	Horn Pad
422	Pad 3 (Polysynth)
423	Click Pad
424	Analog Pad
425	Poly Pad
426	Poly Synth Pad
427	Pad 4 (choir)
428	Choir Pad 2
429	Pad 5 (bowed)
430	Bowed Pad 2
431	Pad 6 (metallic)
432	Metallic Pad 2
433	Pan Pad
434	Pad 7 (halo)
435	Halo Pad 2
436	Pad 8 (sweep)
437	Sweep Pad 2
438	Dipolar Pad
439	Rising
440	Congregate
Effects	
441	FX1 (rain)
442	FX2 (soundtrack)
443	Progenitor
444	Prelude
445	FX3 (crystal)
446	FX4 (atmsphere)
447	Warm Air
448	FX5 (brightness)
449	Smog
450	FX6 (goblins)
451	Choir Bell
452	FX7 (echoes)
453	Reecho Pan
454	Large Pan
455	Echordrzz Slow
456	Fantasyland
457	FX8 (scifi)
Ethnic	

No	Name
458	Sitar
459	Detuned Sitar
460	Banjo
461	Shamisen
462	Koto
463	Kalimba
464	Bagpipe
465	Fiddle
466	Shanai
Percussive	
467	Tinkle Bell
468	Agogo
469	Steel Drums
470	Wood Block
471	Taiko Drum
472	Melodic Tom
473	Synth Drum
474	Reverse Cymba l
Sound Effects	
475	Guitar Fret Noise
476	Breath Noise 1
477	Stream
478	Helicopter 2
479	Seashore 1
480	Telephone Ring 2
481	OpenDoor
482	Starship
483	CloseDoor
484	Siren
485	Gunshot 2
486	Rise2
487	Bird Tweet
488	Ambulance
489	Rise1
490	Fall
491	Seashore 2
492	Bird 1
493	Clop
494	Wind
495	Cattle
496	Horse
497	Telephone Ring 1
498	Bird

No	Name
499	Breath Noise 2
500	Heartbeat
501	Laugh
502	Applause 2
503	Helicopter 1
504	Fire
505	Punch
506	ScratchCut
507	Fight 1
508	Shot
509	Fight 2
510	Applause 1
511	Sheep
512	Firework
513	Lion
514	Frog
515	Bird 2
516	Dog
517	Spring
518	Gunshot 1
519	Gunshot 3
520	Laser Gun
521	Drip
522	Siren 2
Combined Voice	
523	Stereo Piano & Strings Pad
524	Stereo Piano & Choir
525	Piano & Warm Pad
526	FM Electric Piano
527	Old Electric Piano
528	Digital Piano
529	E.Piano & Strings
530	Harpsichord & Stereo Strings
531	Digital Music Box
532	Serenity
533	Vibraphone & Stereo Strings
534	FM Tubular Bells
535	Organ & Stereo Strings
536	Stereo Organ & Piano
537	Accordian 2
538	Power Distorted Guitar
539	Dynamic Bass
540	X Fade Bass

No	Name
541	Stereo Strings & Piano
542	Orchestra
543	Full Strings 1
544	Full Strings 2
545	Symphonic
546	Stereo Choir & Strings
547	Trombone & Stereo Strings
548	Club Brass
549	Woodwinds & Strings
550	Pan Flute & Strings Pad
Drum Set	
551	Standard Kit
552	Room Kit
553	Power Kit
554	Electronic Kit
555	Analog Kit
556	Jazz Kit
557	Brush Kit
558	Orchestra Kit
559	SFX Kit

59

Appendix 2 - Style List

Number	Name
8BEAT	
001	8 Beat Rock
002	Guitar Pop 1
003	8 Beat 1
004	Sweet Beat
005	8 Beat Dance
006	8 Beat Disco
007	Pop Funk
008	8 Beat 2
009	60's 8 Beat
010	Rhythm & Beat
011	Miami Beat
16BEAT	
012	16 Beat 1
013	Pop 16 Beat 1
014	Pop 16 Beat 2
015	Modern 16 Beat
016	16 Beat Hot
017	16 Beat Modern
018	16 Beat Funk
019	16 Beat 2
020	Cool Beat
021	16 Beat Ballad
022	16 Beat 3
023	Pop Shfl
024	Guitar Funk
025	16 Beat Funk 1
POP	
026	6/8 Pop
027	Brit. Pop 1
028	Brit. Pop 2
029	Pop Hit
030	Fusion Shuffle
031	Analog Night
032	Guitar Pop 2
033	Pop beat
034	Soft Beat
035	60's Pop
036	Sting Latin
BALLAD	
037	Soft Ballad

Number	Name
038	Natural Ballad
039	Love Ballad
040	Easy Ballad
041	Slow Ballad
042	Folk Ballad
043	Pop Ballad 1
044	Pop Ballad 2
045	EP Ballad
046	New R&B Ballad
ROCK	
047	Slow Rock
048	70's Rock & Roll
049	Folk Rock
050	Soft Rock
051	Pop Rock
052	Old Rock
053	Easy Rock
054	New Shuffle
055	Rock Hip Hop
056	Rock & Roll
057	Rock1
058	Rock Shuffle
059	R'N'R 1
060	Rock Shuffle
BALLROOM	
061	Twist1
062	Twist2
063	Big Band Fox 1
064	Tango
065	Slow Fox 1
066	Slow Waltz 1
067	Swing Fox
068	Salsa 2
069	Cha Cha 1
070	Cha Cha 2
071	Beguine1
072	Beguine2
073	Rhumba 1
074	Samba1
075	Samba2
076	Jive
077	Foxtrot

Number	Name
078	Quick Step
DANCE	
079	Down Beat
080	Techno
081	Progressive
082	Rap 1
083	Rap 2
084	Disco
085	Soft Disco
086	Disco Party
087	70's Disco
088	70's Disco Funk
089	Clubdance
090	Euro Dance
091	80's Dance
092	Hip Hop
093	Garage
SOUL & FUNK	
094	Jay R&B
095	Gospel Swing
096	Gospel
097	Funk
098	Electric Funk
099	Groove Funk
100	Rubber Funk
101	Cool Funky
102	Jazz Funk
103	Groove
104	Soul
105	Hip Hop Soul
106	Hip Hop Beat
107	R & B
108	Soul Beat
109	R & B Ballad
110	British Soul Pop
111	Samba Funk
SWING&JAZZ	
112	Swing1
113	Swing2
114	Jazz Brush
115	Latin Jazz
116	Fusion

Appendix 2- Style List

Number	Name
117	Acid Jazz
118	Cool Jazz Ballad
119	Swing Shuffle
120	Big Band 40's
121	Big Band Medium
122	Dixieland
123	Acoustic Jazz
124	Guitar Swing
125	Ragtime
126	Modern Jazz Ballad
127	Swing Ballad
128	Big Band Ballad
129	Orchestra Swing
COUNTRY	
130	Bluegrass
131	Country 8 Beat
132	Modern Country
133	Country Pop1
134	Country Pop2
135	2/4 Country
136	Country
137	Country Quick Steps
138	Country Rock
139	Country Folk
140	Country Shuffle
Latin/Latin Dance	
141	Bossa Nova 1
142	Latin
143	Bossa Nova2
144	New Reggae
145	Dance Reggae
146	Pasodoble
147	Lite Bossa
148	Latin Rock
149	Beguine
150	Slow Bolero
151	Disco Samba
152	Mambo
153	Meneito
154	Rumba1
155	Rumba2
156	Tikitikita

Number	Name
157	Lambada
158	Pop Cha Cha1
159	Pop Cha Cha2
160	Salsa
161	Bossa1
World	
162	Enka Ballad
163	Laendler
164	Hawaiian
165	Sirtake
166	Venezia
167	6/8 Flipper
168	New Age
169	Tarantella
170	Scottish
171	Norteno
Waltz	
172	Waltz
173	Old Waltz
174	English Waltz
175	French Waltz
176	German Waltz
177	Italian Mazurka
178	MariachiWaltz
179	ViennaWaltz 1
180	Slow Waltz 2
181	ViennaWaltz 2
182	Slow Waltz 1
183	Jazz Waltz
TRADITIONAL	
184	Polka
185	6/8 March
186	German Polka
187	Party Polka
188	March

Number	Name
189	Polka2
190	US March
191	Musette
192	French Musette
193	Mazurke
194	1-Mar
ORIENTAL	
195	Dangdut1
196	Dangdut2
197	Dangdut3
198	Dangdut4
199	Dangdut5
200	Dangdut6

Appendix 3-Song List

Number	Name
	CLASSICAL
001	Carmen-EntracteII
002	Annen Polka
003	Pianosonatan 08 IN Cm IN Pathetique
004	Brahms Waltz
005	Aida
006	Carmen-Prelude
007	L'Arlesienne
008	Uungarische Tanz
009	Mazurka
010	Menuett
011	Musical Moments
012	Pizzicato Polka
013	Rigoletto
014	Serenade
015	Song Without Words
016	Swan
017	Prelude To Act 2 (Swan Lake)
018	Le Lac des Cygnes Acte I :n?2 : Valse (Swan lake)
019	The Happy Farmer
020	The Sleeping Beauty
021	La Traviata
022	Wiegenlied
023	Mov.2 Adagio Non Troppo Piano Sonata No.9 In D
024	Mov.1 Andante Grazioso Piano Sonata No.11 In A [Alla TurSonata11ca]
025	Prelude In C
026	Chinese Dance
027	Emperors Waltz
028	March Militaire
029	Symphony No.40
030	Auf Flugeln Dec Gesanges
031	Arpeggione Sonata in Am
	FOLK & COUNTRY
032	Santa Lucia
033	Country
034	Jambalaya
035	Susanna
036	Bridge
037	Battle Hymne Of The Republic
038	The Old Gray Mare
039	American Patrol

Number	Name
037	Battle Hymne Of The Republic
038	The Old Gray Mare
039	American Patrol
040	In The Rain
041	Sippin' Cider Through A Straw
GOLDEN & POP	
042	On London Bridge
043	Are You Lonesome Tonight
044	Only You
045	End Of The World
046	House Of Rising Sun
047	Solveig's Song
048	The Blue-Bells Of Scotland
049	Over The Rainbow
050	Beautiful Dreamer
051	It'S Been A Long, Long Time
052	Edelweiss
053	O Sole Mio
054	Der Deitcher'S Dog
055	Joy To The World
056	Silent Night
057	Ave Maria
058	Five Hundred Miles
059	Happy New Year
060	It'S Beginning To Look A Lot Like Christmas
061	Jeanie With The Light Brown Hair
062	My Bonnie
063	Song Of The Pearlfisher
064	Summer Palace
065	The StageCoach
066	Entertainer
067	Annie Laurie
068	Killing Me Softly With His Song
069	Love Is Blue
070	Last Rose Of Summer
071	The Old King Cole
JAZZ & FUSION	
072	Little Brown Jug
073	Maple Leaf Rag
074	June Samba
075	Funk

63

Number	Name
076	I Can……
077	Sea Shore
078	Guitar&Saxphone
079	The Hip Hop's Night
080	Blue Lunch
081	Cobweb
082	Wine
083	Jazz Old Man
084	Dark Eyes
085	Carlos
086	Sad
087	The Jazz
ORIENTAL	
088	South Mud Bay
089	Give You A Rose
090	Flowing Rill
PIANO	
091	Habanera
092	Four Little Swans
093	Turkish March
094	Moseta Dance
095	Aria
096	Away In A Manger
097	Wedding March
098	"Jesus, Saviour Pilot Me"
099	Brave Cavalier
100	America The Beautiful

Appendix 4-Demo List

Number	Name
001	Molihua
002	Dream of freedom

Appendix 5- Chord List

	Chord Name[Abbreviation]	Normal Voicing	Chord	Display
0	Major[M]	1-3-5	C	C
1	Major sixth[6]	1-(3)-5-6	C6	C6
2	Major seventh[M7]	1-3-(5)-7	CM7	CM7
3	Major seventh sharp Eleventh[M7#11]	1-(2)-3-#4-(5)-7	CM7#11	CM7(#11)
4	Major add ninth[Madd9]	1-2-3-5	CMadd9	CM(9)
5	Major ninth[M9]	1-2-3-(5)-7	CM9	CM7(9)
6	Major sixth add ninth[6 9]	1-2-3-(5)-6	C6 9	C6(9)
7	augmented[aug]	1-3-#5	Caug	Caug
8	Minor[m]	1-b3-5	Cm	Cm
9	Minor sixth[m6]	1-b3-5-6	Cm6	Cm6
10	Minor Seventh[m7]	1-b3-(5)-b7	Cm7	Cm7
11	Minor seventh flatted fifth[m7b5]	1-b3-b5-b7	Cm7b5	Cm7(b5)
12	Minor add ninth[madd9]	1-2-b3-5	Cmadd9	Cm(9)
13	Minor ninth[m9]	1-2-b3-(5)-b7	Cm9	Cm7(9)
14	Minor eleventh[m11]	1-(2)-b3-4-5-(b7)	Cm11	Cm7(11)
15	Minor major ninth[mM7]	1-b3-(5)-7	CmM7	CmM7
16	Minor major ninth[mM9]	1-2-b3-(5)-7	CmM9	CmM7(9)
17	Diminished[dim]	1-b3-b5	Cdim	Cdim
18	Diminished seventh[dim7]	1-b3-b5-6	Cdim7	Cdim7
19	Seventh[7]	1-3-(5)-b7	C7	C7
20	Seventh suspended Fourth[7sus4]	1-4-5-b7	C7sus4	C7sus4
21	Seventh flatted Fifth[7b5]	1-3-b5-b7	C7b5	C7(b5)
22	Seventh Ninth[79]	1-2-3-(5)-b7	C7 9	C7(9)
23	Seventh sharp eleventh[7#11]	1-2-3-#4-(5)-b7or 1-(2)-3-#4-5-b7	C7#11	C7(#11)
24	Seventh thirteenth[7 13]	1-3-(5)-6-b7or 2-3-5-6-b7	C7 13	C7(13)
25	Seventh flatted Ninth[7b9]	1-b2-3-(5)-b7	C7b9	C7(b9)
26	Seventh flatted Thirteenth[7b13]	1-3-5-b6-b7	C7b13	C7(b13)
27	Seventh Sharp ninth[7#9]	(1)-#2-3-(5)-b7	C7#9	C7(#9)
28	Major Seventh augmented[M7aug]	1-3-#5-7	CM7aug	CM7aug
29	Seventh augmented[7aug]	(1)-3-#5-b7	C7aug	C7aug
30	Suspended Fourth[sus4]	1-4-5	Csus4	Csus4
31	One plus two plus five[1+2+5]	1-2-5	C1+2+5	C

Function		Transmitted	Recognized	Remarks
Basic	Default	1ch	ALL	
Channel	Changed	1-16ch	1-16ch	
	Default	×	3	
Mode	Messages	×	3	
	Altered	***********	×	
Note		0-127	0-127	
Number ¨	True voice	***********	0-127	
Velocity:	Note on	○ 9nH,V=1-127	○ 9nH,V=1-127	
	Note off	× （9nH,V=0）	×(9nH,V=0; 8nH,V=0 -127)	
After	Keys	×	×	
Touch	Chs	×	×	
PitchBend		○	○	
Control	0	○	○	Bank Select
Change	1	○	○	Modul ation
	5	×	○	Portamento Time
	6	○	○	Data Entry
	7	○	○	Volume
	10	×	○	Pan
	11	×	○	Expression
	64	○	○	Sustain Pedal
	65	×	○	Portamento ON/OFF
	66	×	○	Sostenuto Pedal
	67	○	○	Soft Pedal
	80	○	○	Reverb Program
	81	○	○	Chorus Program
	91	○	○	Reverb Level
	93	○	○	Chorus Level
	120	×	○	All Sound Off
	121	×	○	Reset All Controllers
	123	○	○	All Notes Off
Program		○	○	
Change	¨ True #	***********	0[−/NO]127	
System Exclusive		×	○	
System	¨ Song Position	×	×	
	¨ Song Select	×	×	
	¨ Tune	×	×	
System	: Clock	×	×	
Real Time	¨ Commands	× *1	× *1	
Aux	: Local on/off	×	×	
	: All Notes off	○	○	
Messages	¨ Active sense	×	○	
	¨ Reset	×	○	
Note ¨		*1 When the accompaniment is started, an FAH message is transmitted. When accompaniment is stoped, an FCH message is transmitted. When an FAH message is received, accompaniment is started. When an FCH message is received, accompaniment is stoped.		

Mode 1: OMNI ON , POLY   Mode 2 : OMNI ON , MONO   ○   : YES
Mode 3: OMNI OFF , POLY   Mode 4 : OMNI OFF , MONO ×   : NO

MD600_G05