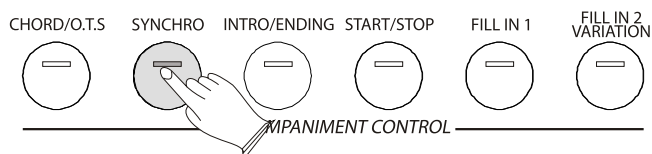## ■ Using Synchro Start

Press the [SYNCHRO] button. The indicator will light and it's called synchronized start standby. The auto accompaniment will start as soon as you play a chord with your left hand.

## ■ Starting the Accompaniment with an Introduction

Any of your instrument accompaniment patterns can be started with an appropriate introduction by pressing the [INTRO/ENDING] button.

If you press the [SYNCHRO] button and then press the [INTRO/ENDING] button, the accompaniment will start from the introduction as soon as a chord is played in the auto accompaniment section of the keyboard.
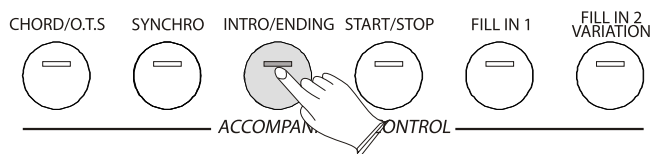

■ Using FILL IN start

If you press the [SYNCHRO] button and then press the [FILL IN 1] or [VARIATION/FILL IN 2] button, the accompaniment will start from the FILL IN 1 or FILL IN 2 as soon as a chord is detected in the AUTO ACCOMPANIMENT section of the keyboard.
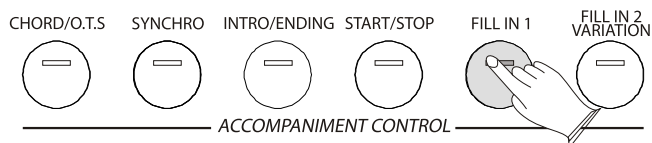

■ Variaion

While the style is playing, you can add variation in the rhythm/accompaniment by pressing the [VARIATION/FILL2] button. This switches between the Main A and Main B sections automatically playing a Fill-in pattern to smoothly lead into the next section.

CHORD/O.T.S   SYNCHRO   INTRO/ENDING   START/STOP   FILL IN 1   FILL IN 2
VARIATION

ACCOMPANIMENT CONTROL
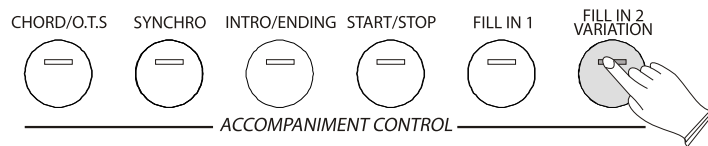
Stop a Style

■ Stop immediately

Press the [START/STOP] button to stop the accompaniment at any time.

CHORD/O.T.S   SYNCHRO   INTRO/ENDING   START/STOP   FILL IN 1   FILL IN 2
VARIATION

ACCOMPANIMENT CONTROL
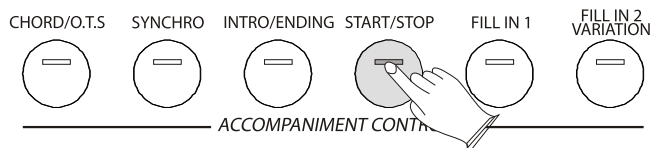
■ Ending Stop

Press the [INTRO/ENDING] button while the style is playing, the style stops after ending
section is finished.

CHORD/O.T.S   SYNCHRO   INTRO/ENDING   START/STOP   FILL IN 1   FILL IN 2
VARIATION

ACCOMPANIMENT CONTROL
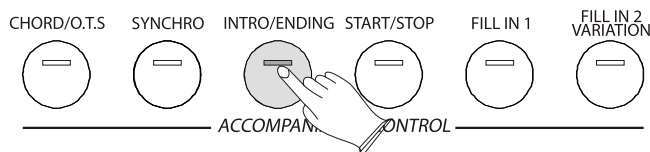
■ Pressing the [SYNCHRO] button

This immediately stops style and automatically enables Sync Start, letting you re-start the
style by simply playing a chord or key in the auto accompaniment area of the keyboard.

CHORD/O.T.S   SYNCHRO   INTRO/ENDING   START/STOP   FILL IN 1   FILL IN 2
VARIATION

MPANIMENT CONTROL
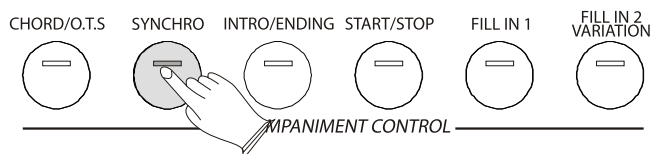
Change the Tempo

This function allows you to set the rhythm tempo by tapping in tempo on [TAP/TEMPO]
button. Tap on the button 2 times while rhythm is playing, The rhythm tempo are set as
your desired speed.

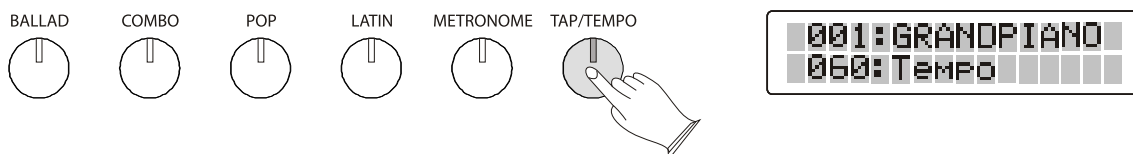If you want to set the tempo before starting rhythm, you have to tap the button
4 times.
Press the [TAP/TEMPO] button, the indicator is lit, use [+ / YES] / [- / NO] button to change
the tempo value range from 20 to 280 BPM (beats per minute).

Metronome

Metronome is a convenient feature for practice, and it can also provide a solid rhythmic
guide when recording.

Press [METRONOME] button can turn off or turn on the Metronome mode.

The time signature of the metronome can be set by using [+/YES] and [-/NO] buttons
while turning on the metronome function.(Reference: Metronome Type P27)

Time signature: 1/4, 2/4, 3/4, 4/4, 5/4,6/4, 3/8, 6/8,7/8, 9/8,12/8.
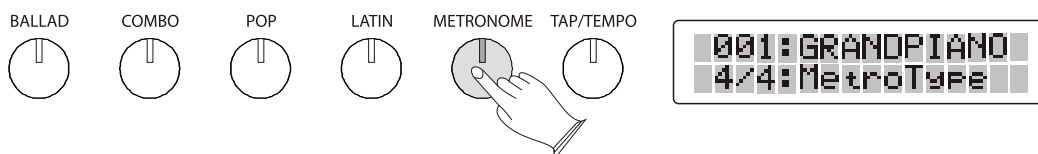
Chord Function

Turn on this mode, the specified left-hand section of the keyboard becomes
the "Auto Accompaniment" section, and chords played in this section are
automatically detected and used as a basis for fully automatic accompaniment
with the selected style
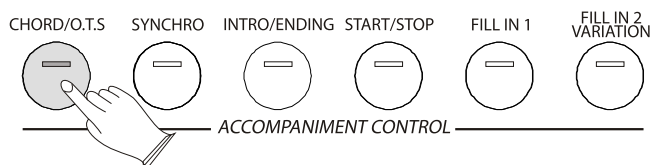
■ SINGLE Mode

SINGLE Mode fingering makes it simple to produce beautifully orchestrated accompaniment using major , seventh , minor and minor-seventh chords by pressing a minimum number of keys in the Auto Accompaniment section of the keyboard . The accompaniment produced is perfectly matched to the currently selected accompaniment style.

■ Major Chords

If you press a "C" key in the left-hand section of the keyboard, for example, a C-major accompaniment will be played. Press another key in the left hand section of the keyboard to select a new chord. The key you press will always determine the "root" of the chord played (i.e. "C" for a C chord).

C

Cm

■ Minor Chords

Simultaneously press the root key and a black key to its left.

C7

■ Seventh Chords

Simultaneously press the root key and a white key to its left.

Cm7

Minor-Seventh Chords

Simultaneously press the root key and both a white and black key to its left.

■ Fingered Mode

Fingered Mode is ideal if you already know how to play chords on a keyboard, since it allows you to supply your own chords for the Auto Accompaniment feature. The instrument will recognize the following chord type:
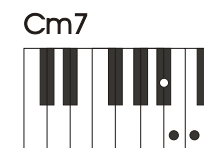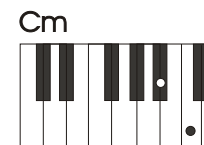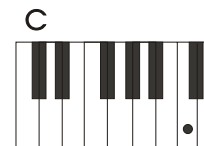
Name	Normal Voicing	Display
[M]	1-3-5	C
[6]	1-(3)-5-6	C6
[M7]	1-3-(5)-7 or 1-(3)-5-7	CM7
[M7(#11)]	1-(2)-3-$^{\#}$4-(5)-7 or 1-2-3-$^{\#}$4-(5)-7	CM7($^{\#}$11)
[(9)]	1-2-3-5	C(9)
[M(9)]	1-2-3-(5)-7	CM7(9)
[6(9)]	1-2-3-(5)-6	C6(9)
[aug]	1-3-$^{\#}$5	Caug
[m]	1-^{b}3-5	Cm
[m6]	1-^{b}3-5-6	Cm6
[m7]	1-^{b}3-(5)-^{b}7	Cm7
[m7b5]	1-^{b}3-^{b}5-^{b}7	Cm7^{b}5
[m(9)]	1-2-^{b}3-5	Cm(9)
[m7(9)]	1-2-^{b}3-(5)-^{b}7	Cm7(9)
[m7(11)]	1-(2)-^{b}3-4-5-(^{b}7)	Cm7(11)
[mM7]	1-^{b}3-(5)-7	CmM7
[mM(9)]	1-2-^{b}3-(5)-7	CmM7(9)
[dim]	1-^{b}3-^{b}5	Cdim
[dim7]	1-^{b}3-^{b}5-6	Cdim7
[7]	1-3-(5)-^{b}7 or 1-(3)-5-^{b}7	C7
[7sus4]	1-4-(5)-^{b}7	C7sus4
[7(9)]	1-2-3-(5)-^{b}7	C7(9)
[7(#11)]	1-(2)-3-$^{\#}$4-(5)-^{b}7or 1-2-3-$^{\#}$4-(5)-^{b}7	C7($^{\#}$11)
[7(13)]	1-3-(5)-6-^{b}7	C7(13)
[7(b9)]	1-^{b}2-3-(5)-^{b}7	C7(^{b}9)
[7(b13)]	1-3-5-^{b}6-^{b}7	C7(^{b}13)
[7(#9)]	1-$^{\#}$2-3-(5)-^{b}7	C7($^{\#}$9)
[M7aug]	1-(3)-$^{\#}$5-7	CM7aug
[7aug]	1-3-$^{\#}$5-^{b}7	C7aug
[sus4]	1-4-5	Csus4
[1+2+5]	1-2-5	C

Example for C chords

This instrument will be able to detect certain chord inversions, however since some chords can be named differently depending on the inversion, certain chords such as m7, m7 b5, 6, m6, sus4, aug, dim7, 6(9), m7(11), 1+2+5 need to be played in the root position to correctly produce the desired chord. (An example of this is a chord A minor 7 shares the same notes as a C6th chord, the difference being the order of the note positions).

O.T.S Function

This function is actually a convenient feature which automatically selects a suitable voice for you when you select a style. In addition, various panel settings (such as voice, effect, Tempo, etc.) that match the selected style can be recalled with just a single button [O.T.S].

Press the [O.T.S] button and hold for 2 seconds can turn on One Touch Setting and the

LCD will display: "On: O.T.S" .

CHORD/O.T.S   SYNCHRO   INTRO/ENDING   START/STOP   FILL IN 1   FILL IN 2 VARIATION

ACCOMPANIMENT CONTROL
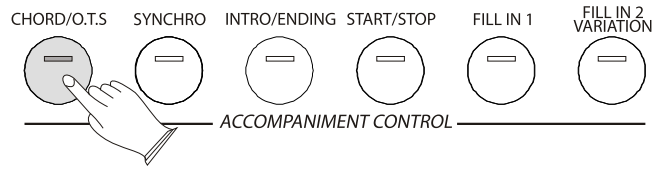
Press the [O.T.S] button again and hold for 2seconds to turn off One Touch Setting and the LCD will display: "Off: O.T.S" .

Acc.Vol Function

Press the [Acc.Vol] button and then use the [+/YES] /[-/NO] button or [DATA WHEEL] knob to adjust the accompaniment volume.

ACC.VOL

KBD.VOL
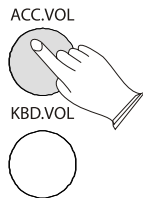
This digital piano lets you record your performances and Registration settings to a USB Disk. Each user song lets you record up to sixteen independent tracks. These include not only the voices for the keyboard performance, but also the auto accompaniment parts.

It provides two different ways to record: USB Recording and Melody Track Recording. Melody Track Recording, which can save into local memory.
Two Tracks recording can be save into USB disk as a MIDI File and the MIDI file in the USB disk can be load to local memory.

Record

■ USB Recording

1. Insert the USB Disk into the USB Terminal and the indicator of the [MEMORY] button will light up.

If your USB disk is plugged in ,but the [MEMORY] button indicator is turned off, then you can press the [MEMORY] button again to restore the USB mode.

USB TO DEVICE
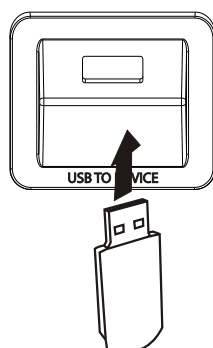
2. Start Recording

Press the [RECORD] button and the button indicator is flashing, then you can start recording .

DELETE

MEMORY

RECORD / STOP

TRACK

MULTI

RECORD SELECTION

TRACK 1   TRACK 2

LEFT   RIGHT

SONG

```
001:GRANDPIANO
On:SONG GRADING
```
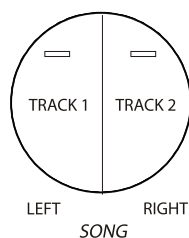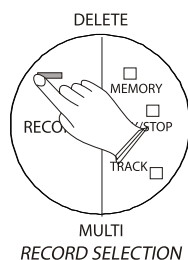
3. Stop Recording

Press [RECORD] button again to stop recording and the indicator will be light. Recording stops and your performance is written to the song. The song to which your performance is recorded is automatically named "xxx：SONG xxx" (xxx indicates this file's sequence Num in USB Disk. Xxx indicates the recording file number). You can edit the song as desired by computer or midi edit soft.
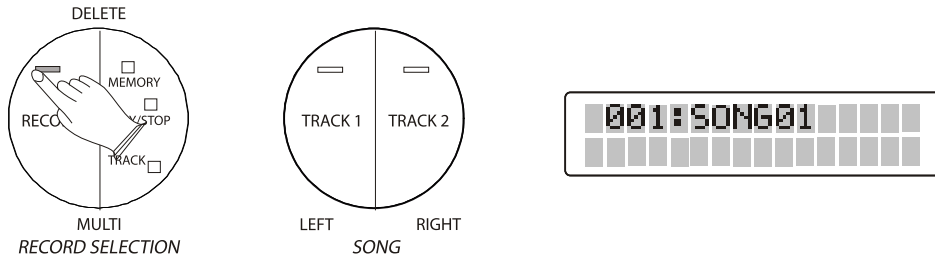
■ Multi Recording

1. Insert the USB Disk into the USB Terminal and the indicator of the [MEMORY] button will be light.

2. You can use the [+ / YES] and [- / NO] buttons or [DATA WHEEL] knob to select the base file.
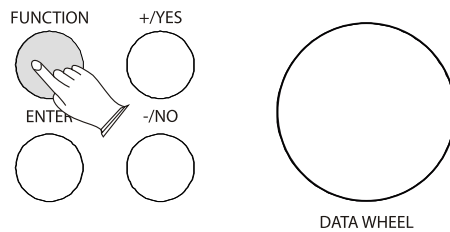
Press [RECORD] button and the [TRACK] button simultaneously to start recording, the [RECORD] buttons indicator is flashing and the [TRACK] button indicator will be light .
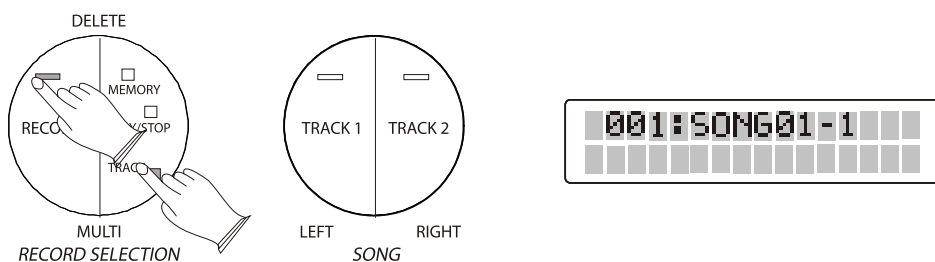
Press [RECORD] button again to stop recording and the indicator will be unlighted.
The Name of the New File Will be Saved in Sequence
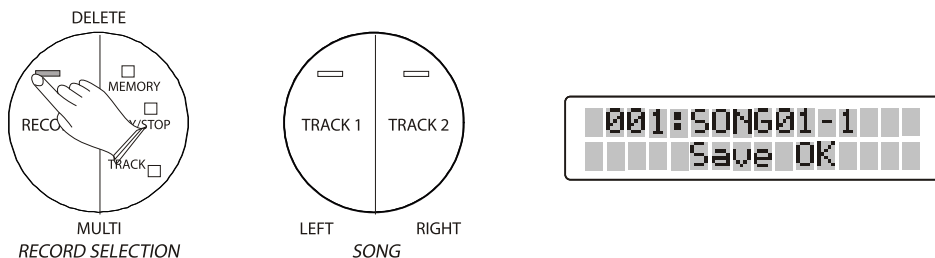
■ Play Button

You can use the [+ / YES] / [- / NO] buttons or [DATA WHEEL] knob to select your desired MIDI file.
Press the [PLAY/STOP] button to play the song of the USB disk.


```
001:SONG1
*** Playing ****
```
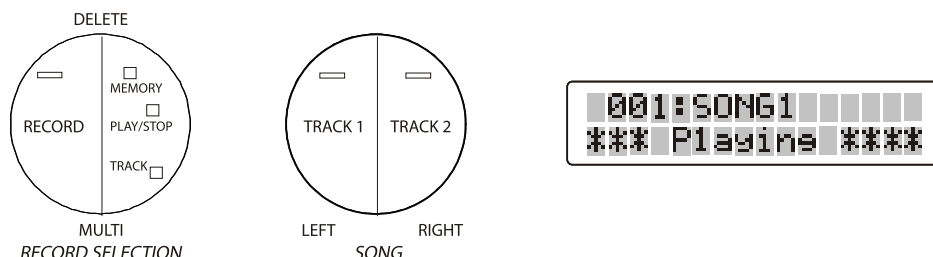
Press the [PLAY/STOP] button again to stop playing the song and the indicator will be unlighted.

■ Select Recording Track

Press the [TRACK] button repeatedly can select 4 Track modes: Auto RecTrack (default), M.RecTrack, S.RecTrack, L.TecTrack.


```
001:SONG1
   2:S.Rec Track
```
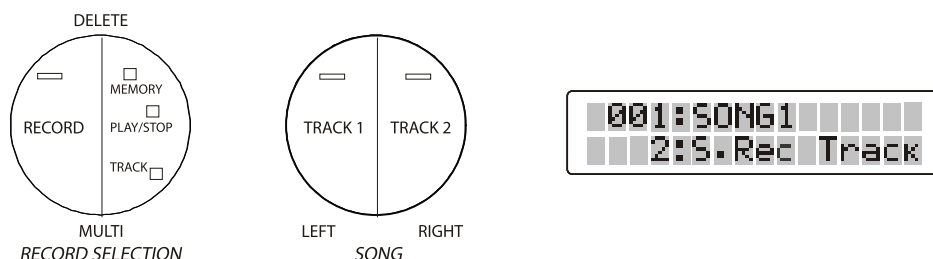
● Auto Recording Track can change automatically
● Main voice recording track set (After setting the main voice recording track, separation voice and layer-voice recording track will change into main-voice recording track+1 and main-voice recording track +2 . For example: If the main voice recording set is 3, then separation voice recording track will change into 4 automatically and double-voice recording track will change into 5 automatically)
● Split voice recording track set (Main voice and layer-voice recording track will not change automatically)
● Layer voice recording track set (Main-voice and separation voice recording track will not change automatically)

■ Delete Song

Insert the USB Disk into the USB terminal. Use the [+ /YES] and [- /NO] buttons to select
" xxx:SONGxxx " file you want to delete, then hold down the [RECORD] button and press
the [MEMORY] button. LCD shows: Delete?
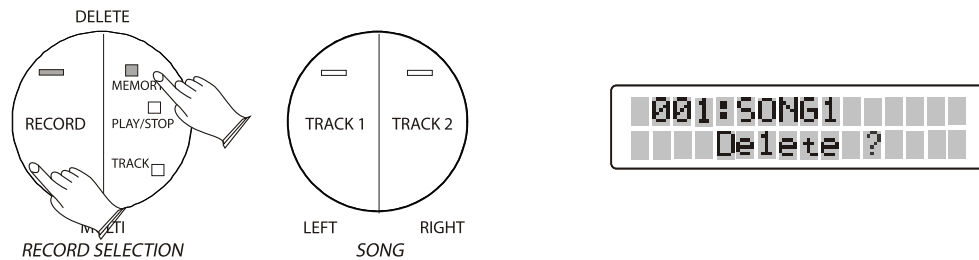
Press the [+/yes] button to confirm delete the file.
Press the [-/No] button to cancel.

■ Melody Track Recording

Melody Track1 Recording

Hold down the [RECORD] button, and then press the [TRACK1] button, the [TRACK1]and
the [RECORD] indicator flashes to indicate ready to record. You can start recording
simply by playing the key board or playing styles.
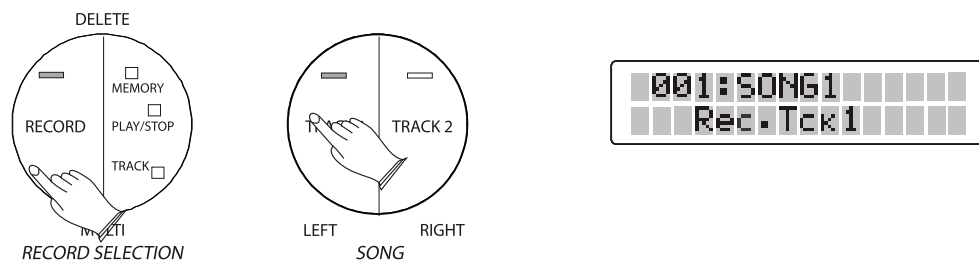
Press the [RECORD] button again to stop recording and the data will save to local
memory track.

> **NOTE:**
> **If the TRACK 2 has data recorded, the indicator will light and it will play
> when the record is started. You can press the [TRACK 2] button to mute
> it, then the indicator will be unlighted.**

Melody Track2 Recording

Hold down the [RECORD] button, and then press the [TRACK2] button, the [TRACK2]and the [RECORD] indicator flashes to indicate ready to record. You can start recording simply by playing the key board.

```
DELETE
        □
        MEMORY
        □
RECORD  PLAY/STOP

  TRACK  □
  MULTI
RECORD SELECTION


    TRACK 1   TRACK 2

    LEFT      RIGHT
         SONG
```

```
┌──────────────────────────┐
│ 001:SONG1                │
│     Rec.Tck2             │
└──────────────────────────┘
```
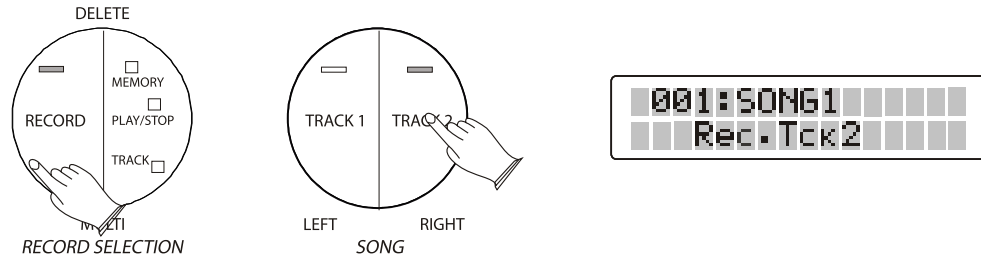
Press the [RECORD] button again to stop recording and the data will save to local memory track 2.

> *NOTE:*
> *If the TRACK 1has data recorded, the indicator will light and it will play when the [TRACK2] is started. You can press the [TRACK 1] button to mute it, then the indicator will be unlighted.*

■ Play the Local Track Recording

During song playback, if the [MEMORY] button is light, you should press the [MEMORY] button again to turn off it.

Press the [PLAY] to play the local recording. During song playback you can select which track you wish to hear by press the [TRACK 1]or [TRACK2] button.

```
DELETE
        □
        MEMORY
        ▪
RECORD  PLAY/STOP

  TRACK  □
  MULTI
RECORD SELECTION


    TRACK 1   TRACK 2

    LEFT      RIGHT
         SONG
```

```
┌──────────────────────────┐
│ 001:SONG1                │
│ *** Playing ****         │
└──────────────────────────┘
```
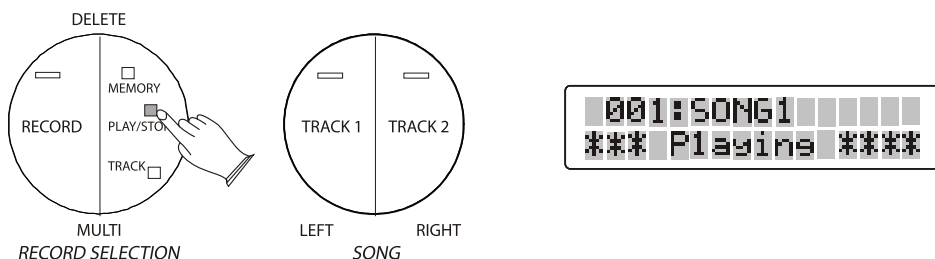
Press the [PLAY/STOP] button again to stop playing the song.

■ Delete local recording

If the TRACK 1has data recorded, hold the [TRACK 1] button for 3 seconds and the LCD will display: Delete Track1.Then press the [+/YES] to delete the file. Press [-/No] button to cancel.


```
┌─────────────────────────┐
│ ▌001:SONG1▐▐▐▐▐▐        │
│ ▐Delete Track1?▐        │
└─────────────────────────┘
```
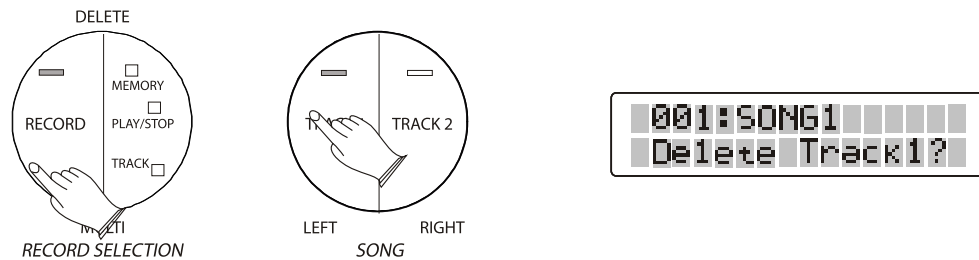
If the TRACK 2 has data recorded, hold the [TRACK 2] button for 3 seconds and the LCD will display: Delete Track 2.Then press the [+/YES] to delete the file. Press [-/No] button to cancel.

You also can press the [RECORD] and [MEMORY] button simultaneously to delete two tracks.

Teaching Function

There are 55 learning songs built into this Piano for your musical enjoyment. These songs have separate left and right-hand parts that can be turned on and off as required so you can practice the corresponding part on the piano.

1. Selecting A Song

Turn on the song mode by pressing both the [LEFT] and [RIGHT] buttons simultaneously. The song number will appear on the LCD display. Both Right and Left indicator are OFF(It means no track need to learn).
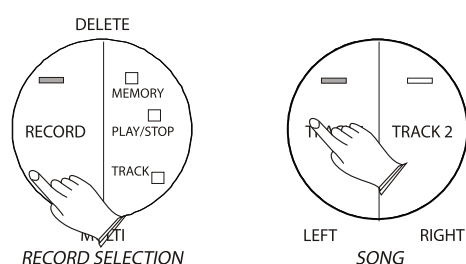
Use the [+/YES] and [-/NO] buttons to select a song. Press the [DEMO] button to start play the song, press the [PLAY/LOAD] button to start learn.

2. Listening To The Entire Song

1). With the play along song mode engaged, press the [DEMO] button to hear both hand parts playing the entire song.

2). Press the [DEMO] button again to stop.

3. Practicing The Right Hand Of The Selected Song

1). With the play along song mode engaged, press the [RIGHT] button to mute the right hand part. The right indicator lights up.
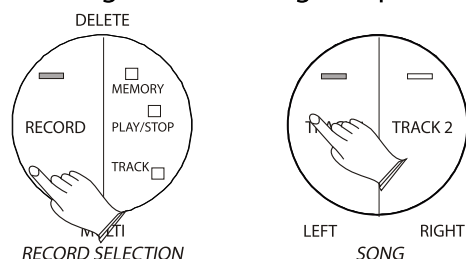
2). Press the [PLAY/LOAD] button. Its indicator lights up and you will hear the metronome "count in" the song. You will then hear the left-hand part.

3). Play the right-hand part of your selected song while the left-hand part plays.

4). Press the [PLAY/LOAD] button again to stop. Otherwise, playback will stop automatically at the end of the song.

4. Practicing The Left Hand Of The Selected Song

Follow steps 1-5 listed above, substituting the LEFT button whenever RIGHT button is mentioned.You will hear the right-hand part of your selected song. Play the left-hand part of your selected song while the right-hand part plays.

5. Practicing The Both Hand Of The Selected Song

1). Press the [RIGHT] and [LEFT] buttons simultaneously, the play along song mode is engaged .

2). Press the [LEFT] button first, then the [RIGHT] button.

3). Press the [PLAY/LOAD] button. Its indicator lights up and you will hear the

metronome "count in" the song.

4). Play the left-hand and right-hand parts of your selected song. The metronome will continue to play to assist you in keeping time.

5). Press the [PLAY/LOAD] button again to stop.

6).Press both the [LEFT] and [RIGHT] button simultaneously to exit.

1. Press the [FUNCTION] button and use the[+/YES] [-/NO] buttons or the [DATA WHEEL] knob to select "Reset".

```
001:GRANDPIANO
      Reset
```
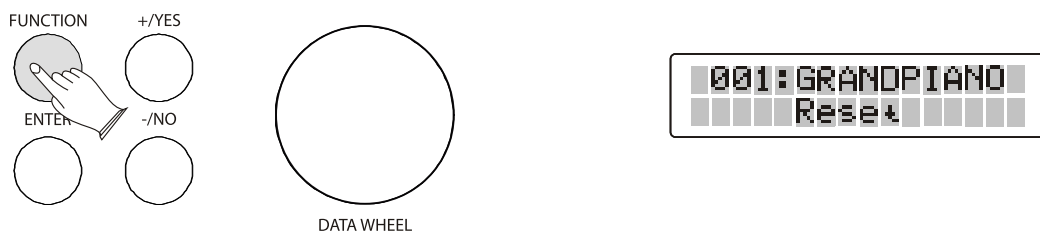
Press the [ENTER] button to restore factory set.

```
001:GRANDPIANO
    Resetmem ?
```
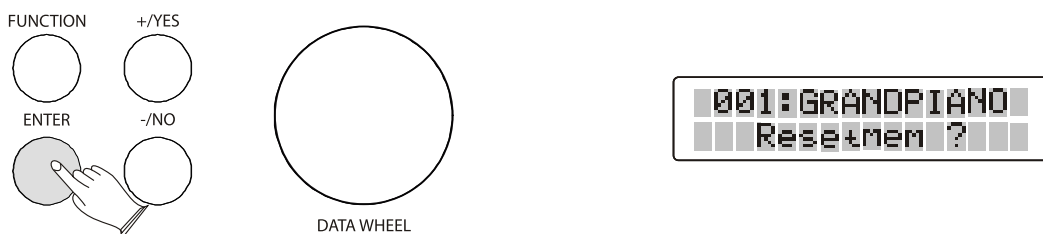
NOTE:
The local recording will not be deleted.

2. Press the [+/YES] and [-/NO] button and hold down the [STANDBY/ON] button to turn on the piano, then all settings are restored.

```
*** RESETING ***
```
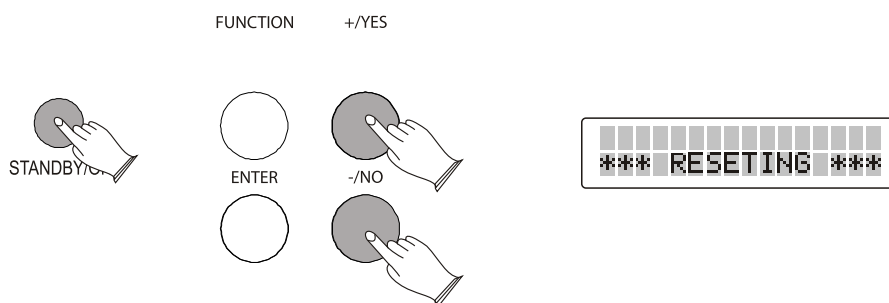
NOTE:
The local recording will be deleted.

Percussion Voice List

Note#	Note	Standard(0)	Room(8)	Power(16)	Electronic(24)	Synth(25)	Jazz(32)	Brush(40)	Classic(48)	Effects(56)
24	C	Seq Click H	←	←	←	←	←	←	←	
25	#C	Brush Tap	←	←	←	←	←	←	←	
26	D	Brush Swirl L	←	←	←	←	←	←	←	
27	#D	Brush Slap	←	←	←	←	←	←	←	
28	E	Brush Swirl H	←	←	Rever se Cymbal	Rever se Cymbal	←	←	←	
29	F	Snare Roll	←	←	←	←	←	←	←	
30	#F	Castanet	←	←	Hi-Q	Hi-Q	←	←	←	
31	G	Snare L	←	SD Elec M	Snare L	SD Elec H2	Snare Jazz	Brush Slap L	←	
32	#G	Sticks	←	←	←	←	←	←	←	
33	A	Bass Drum L	←	←	←	←	←	←	Bass Drun L3	
34	#A	Open Rim Shot	←	←	←	←	←	←	←	
35	B	Bass Drum M	←	←	BD Rock	BD Analog 1L	←	←	Gran Casa	
36	C	Bass Drum H	←	BD Rock	BD Rock 2	BD Analog 1H	BD Jazz	BD Jazz	Gran Casa Mute	
37	#C	Side Stick	←	←	←	Analog Side Stick	←	←	←	
38	D	Snare M	SD Room L	SD Rock	SD Elec M	SD Analog 1H	SD Jazz L	Brush Slap H	Marching SD M	
39	#D	Hand Clap	←	←	←	←	←	←	←	High-Q
40	E	Snare H	SD Room H	SD Rock Rim	SD Elec H	SD Analog 1L	SD Jazz H	Brush Tap	Marching SD H	Slap
41	F	Floor Tom L	Room Tom 1	Rock Tom 1	E Tom 1	Analog Tom 1	←	Brush Tom 1	←	Scratch Push
42	#F	Hi-Hat Closed	←	←	←	Analog HH Closed1	←	←	←	Scratch Pull
43	G	Floor Tom H	Room Tom 2	Rock Tom 2	E Tom 2	Analog Tom 2	←	Brush Tom 2	←	Sticks
44	#G	Hi-Hat Pedal	←	←	←	Analog HH Closed2	←	←	←	Square Click
45	A	Low Tom	Room Tom 3	Rock Tom 3	E Tom 3	Analog Tom 3	←	Brush Tom 3	←	Mtrnm .Click
46	#A	Hi-Hat Open	←	←	←	Analog HH 1Open	←	←	←	Mtrnm. Bell
47	B	Mid Tom L	Room Tom 4	Rock Tom 4	E Tom 4	Analog Tom 4	←	Brush Tom 4	←	Gt.FretNoiz
48	C	Mid Tom H	Room Tom 5	Rock Tom 5	E Tom 5	Analog Tom 5	←	Brush Tom 5	←	Gt.CutNoise
49	#C	Crash Cymbal 1	←	←	←	Analog Cymbal	←	←	Hand Cym.L Open	Gt.CutNoise
50	D	High Tom	Room Tom 6	Rock Tom 6	E Tom 6	Analog Tom 6	←	Brush Tom 6	←	String Slap
51	#D	Ride Cymbal 1	←	←	←	←	←	←	Hand Cym.L Closed	Fl.KeyClick
52	E	Chinese Cymbal	←	←	←	←	←	←	←	Laughing
53	F	Ride Cymbal Cup	←	←	←	←	←	←	←	Screaming
54	#F	Tambourine	←	←	←	←	←	←	←	Punch
55	G	Splash Cymbal	←	←	←	←	←	←	←	Heart Beat
56	#G	CowBell	←	←	←	Analog Cowbell	←	←	←	Footsteps 1
57	A	Crash Cymbal 2	←	←	←	←	←	←	Hand Cym.H Open	Footsteps 2
58	#A	Vibraslap	←	←	←	←	←	←	←	Applause
59	B	Ride Cymbal 2	←	←	←	←	←	←	Hand Cym.H Closed	Door Creaking
60	C	Bongo H	←	←	←	←	←	←	←	Door
61	#C	Bongo L	←	←	←	←	←	←	←	Scratch
62	D	Conga H Mute	←	←	←	Analog Conga H	←	←	←	Wind Chimes
63	#D	Conga H Open	←	←	←	Analog Conga M	←	←	←	Car-Engine
64	E	Conga L	←	←	←	Analog Conga L	←	←	←	Car-Stop
65	F	Timbale H	←	←	←	←	←	←	←	Car-Pass
66	#F	Timbale L	←	←	←	←	←	←	←	Car-Crash
67	G	Agogo H	←	←	←	←	←	←	←	Siren
68	#G	Agogo L	←	←	←	←	←	←	←	Train
69	A	Cabasa	←	←	←	←	←	←	←	Jetplane
70	#A	Maracas	←	←	←	Analog Maracas	←	←	←	Helicopter
71	B	Samba Whistle H	←	←	←	←	←	←	←	Starship
72	C	Samba Whistle L	←	←	←	←	←	←	←	Gun Shot
73	#C	Cuiro Short	←	←	←	←	←	←	←	Machine Gun
74	D	Cuiro Long	←	←	←	←	←	←	←	Lasergun
75	#D	Claves	←	←	←	Analog Claves	←	←	←	Explosion
76	E	Wood Block H	←	←	←	←	←	←	←	Dog
77	F	Wood Block L	←	←	←	←	←	←	←	HorseGallop
78	#F	Guica Mute	←	←	Scratch Push	Scratch Push	←	←	←	Bird
79	G	Guica Open	←	←	Scratch Pull	Scratch Pull	←	←	←	Rain
80	#G	Triangle Mute	←	←	←	←	←	←	←	Thunder
81	A	Triangle Open	←	←	←	←	←	←	←	Wind
82	#A	Shaker	←	←	←	←	←	←	←	Seashore
83	B	Jingle Bell	←	←	←	←	←	←	←	Stream
84	C	Bell Tree	←	←	←	←	←	←	←	BuBBle

Voice List

Column 1

NO.	PROGRAM CHANGE	BANK	VOICE NAME
Piano			
01	0	0	Acoustic Grand Piano
02	1	0	Brigh Acoustict Piano
03	2	0	Electric Grand Piano
04	3	0	Honky-Tonk Piano
05	4	0	Electric piano 1
06	5	0	Electric Piano 2
07	6	0	Harpsichord
08	7	0	Clavi
Chromatic Percussion			
09	8	0	Celesta
10	9	0	Glockenspiel
11	10	0	Music Box
12	11	0	Vibraphone
13	12	0	Marimba
14	13	0	Xylophone
15	14	0	Tubular Bells
16	15	0	Dulcimer
Organ			
17	16	0	Drawbar Organ
18	17	0	Percussive Organ
19	18	0	Rock Organ
20	19	0	Church Organ
21	20	0	Reed Organ
22	21	0	Accordion
23	22	0	Harmonica
24	23	0	Tango Accordion
Guitar			
25	24	0	Acoustic Guitar(Nylon)
26	25	0	Acoustic Guitar (Steel)
27	26	0	Electric Guitar (Jazz)
28	27	0	Electric Guitar (Clean)
29	28	0	Electric Guitar(Muted)
30	29	0	Overdriven Guitar
31	30	0	Distortion Guitar
32	31	0	Guitar Harmonics
Bass			
33	32	0	Acoustic Bass
34	33	0	Finger Bass
35	34	0	Pick Bass
36	35	0	Fretless Bass
37	36	0	Slap Bass 1
38	37	0	Slap Bass 2
39	38	0	Synth Bass 1
40	39	0	Synth Bass 2
Strings			
41	40	0	Violin
42	41	0	Viola
43	42	0	Cello
44	43	0	Contrabass
45	44	0	Tremolo Strings
46	45	0	Pizzicato Strings
47	46	0	Orchestral Harp
48	47	0	Timpani
Ensemble			
49	48	0	Strings Ensemble 1
50	49	0	Strings Ensemble 2

Column 2

NO.	PROGRAM CHANGE	BANK	VOICE NAME
51	50	0	Synth Strings 1
52	51	0	Synth Strings 2
53	52	0	Choir Aahs
54	53	0	Voice Oohs
55	54	0	Synth Voice
56	55	0	Orchestra Hit
Brass			
57	56	0	Trumpet
58	57	0	Trombone
59	58	0	Tuba
60	59	0	Muted Trumpet
61	60	0	French Horn
62	61	0	Brass Section
63	62	0	Synth Brass 1
64	63	0	Synth Brass 2
Reed			
65	64	0	Soprano Sax
66	65	0	Alto Sax
67	66	0	Tenor Sax
68	67	0	Baritone Sax
69	68	0	Oboe
70	69	0	English Horn
71	70	0	Bassoon
72	71	0	Clarinet
Pipe			
73	72	0	Piccolo
74	73	0	Flute
75	74	0	Recorder
76	75	0	Pan Flute
77	76	0	Blown Bottle
78	77	0	Shakuhachi
79	78	0	Whistle
80	79	0	Ocarina
Synth Lead			
81	80	0	Lead 1 (Square)
82	81	0	Lead 2 (Sawtooth)
83	82	0	Lead 3 (Calliope)
84	83	0	Lead 4 (Chiff)
85	84	0	Lead 5 (Charang)
86	85	0	Lead 6 (Voice)
87	86	0	Lead 7 (Fifth)
88	87	0	Lead 8 (Bass+Lead)
Systh Pad			
89	88	0	Pad 1 (New Age)
90	89	0	Pad 2 (Warm)
91	90	0	Pad 3 (Polysynth)
92	91	0	Pad 4 (Choir)
93	92	0	Pad 5 (Bowed)
94	93	0	Pad 6 (Metallic)
95	94	0	Pad 7 (Halo)
96	95	0	Pad 8 (Sweep)
Synth Effects			
97	96	0	Fx 1 (Rain)
98	97	0	Fx 2 (Soundrack)
99	98	0	Fx 3 (Crystal)
100	99	0	Fx 4 (Atmosphere)
101	100	0	Fx 5 (Brightness)

Column 3

NO.	PROGRAM CHANGE	BANK	VOICE NAME
102	101	0	Fx 6 (Goblins)
103	102	0	Fx 7 (Echoes)
104	103	0	Fx 8 (Sci-Fi)
Ethnic			
105	104	0	Sitar
106	105	0	Banjo
107	106	0	Shamisen
108	107	0	Koto
109	108	0	Kalimba
110	109	0	Bagpipe
111	110	0	Fiddle
112	111	0	Shanai
Percussive			
113	112	0	Tinkle Bell
114	113	0	Agogo
115	114	0	Steel Drums
116	115	0	Woodblock
117	116	0	Taiko Drum
118	117	0	Melodic Tom
119	118	0	Synth Drum
120	119	0	Reverse Cymbal
Sound Effects			
121	120	0	Guitar Fret Noise
122	121	0	Breath Noise
123	122	0	Seashore
124	123	0	Bird Tweet
125	124	0	Telephone Ring
126	125	0	Helicopter
127	126	0	Applause
128	127	0	Gunshot
Percussive			
129	127	0	Standard
130	127	90	Room
131	127	99	Power
132	127	91	Eletroni
133	127	92	Synth
134	127	0	Jazz
135	127	0	Brush
136	127	0	Classic
137	127	99	Effect

NO.	STYLE NAME
Ballad	
1	Piano Ballad
2	Latin Ballad
3	Love Song
4	Pop Ballad
5	BigBandBalad
6	Jazz Ballad
7	16BeatBallad
8	Slow Rock
9	16 Beat 1
10	16 Beat 2
11	CountryBalad
12	Slow Gospel
13	Slow Country
14	Modern Ballad
15	Show Ballad
POP	
16	Mersey Beat
17	Popville
18	Jazz Rock
19	Pop Rock
20	Pop Shuffle
21	Guitar Pop
22	Swing Funk
23	Pop's Feel
24	Surf_Pop
25	8 Beat
26	60s Rock
27	Rock
28	Shuffle Rock
29	Synth Pop
30	Soul
31	Detroit Pop
32	R & B
33	Soul 1968
16 BEAT	
34	Twist
35	Early Rock
36	Boogi Woogi
37	6/8 Blues
38	Gospel Shuf
39	Dance
40	Dance Pop
41	House
42	Swing Hse
43	Club Dance
44	Club Latin
45	Garage
46	Techno
47	Dance 8 Bt
48	Hip Hop
49	Chill Out
50	70s Disco
51	Latin Dsco
52	Disco
53	Disco Party
54	Disco Fever

NO.	STYLE NAME
53	Disco Party
54	Disco Fever
55	NY Disco
56	Country Pop
57	Cntry Swng
58	Country 2 Bt
59	Bluegrass
60	Cntry Waltz
Combo	
61	Modern Jazz
62	Cocktails
63	Combo Place
64	Jazz Club
65	Swing
66	BigBandJam
67	Big Band
68	Dixie
69	BigBandDance
70	QuickFoxtrot
71	Quick Step
72	Jive
73	Ragtime
74	StridePiano
75	2/4 March
76	6/8 March
77	Foxtrot_
78	English Waltz
79	Vienna Waltz
80	Swing Waltz
81	Jazz Wltz
82	Waltz
83	Island Fever
84	2/4 Polka
85	6/8 Polka
Latin	
86	Brasil
87	Merengue
88	Mambo
89	Rhumba
90	Salsa
91	Samba
92	Beguine
93	Bosanova
94	Tango
95	TangoHabener
96	Pasodoble
97	Cha Cha
98	Swing Reggae
99	Tarntela
100	Mariachi

NO.	STYLE NAME

|	
• When the instrument is turned on or off, a Popping sound is temporarily produced.	This is normal and indicates that the instrument is receiving electrical power.
• When using a mobile phone, noise is produced. Using a mobile phone in close proximity to the instrument may produce interference.	To prevent this, turn off the mobile phone or use it further away from the instrument.
• Not all of the voices seem to sound, or the sound seems to cut off.	The instrument is polyphonic up to a maximum of 32 notes — including Dual voice, Split Voice, auto accompaniment, song, and Metronome. Notes exceeding this limit will not sound.
• The Auto Accompaniment does not sound properly.	Make sure that the Auto Accomp Volume Function is set to an appropriate level. Is the Split Point set to an appropriate key for the chords you are playing? Set the Split Point to an appropriate position on the keyboard. Is the chord indicator showing in the LCD display? If it is not showing, press the CHORD button so that it does show.
• No sound produced by the keyboard, but the lights and screen work.	Check that the master volume control is not set to minimum. Check that nothing is plugged into the headphone socket.
• The sound of the voice changes from note to note.	This is normal. The digital tone generation uses multiple recordings (samples) of an instrument across the range of the keyboard; The actual sound of the voice may be slightly different from note to note.
• The volume is too soft. • The sound quality is poor. • The rhythm stops unexpectedly or will not play. • The recorded data of the song, etc. does not play 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 supplied AC adaptor. If you have lost or damaged your AC adaptor, please contact your nearest store for a correct replacement adaptor. An incorrect AC mains adaptor which is not rated sufficiently can cause malfunction or damage.
• To completely restore all settings as per factory settings	Perform a factory reset, Please refer to content in this owner's manual. All of the user setting will be erased and the default factory settings will be applied to the instrument.
• Power suddenly and unexpectedly turns off, after a period of not touching the keys.	This is normal and the Auto Power Off function may have been activated. If you need to disable the Auto Power Off function, please see how to do this in the owner's manual.
• The sustain pedal or footswitch seems to produce the opposite effect. Example pressing the footswitch deactivates the sustain, and releasing the footswitch triggers the sustain.	The polarity of the footswitch needs to be correctly detected. Make sure the jack plug for the footswitch is connected. Switch the instrument on whilst not touching the pedal.

Specifications

Keyboards	88 Standard-Size Keys (A-1-C7) with Touch Response
Display	16*2 LCD Display
Polyphony	64 Note Polyphonic
Voices	128PCM Voices+ 9 drum kits
Voice Control	Sustain（half-Sustain）, Soft and Sostenuto
Effect	Reverb (8 types), Reverb level,Chorus (8 types), Chorus level
EQ	BASS: [-6,+6]DB, TREBLE: [-6,+6]DB
Styles	100
Style Features	Synchro Start, Intro, Ending, Fill In, Variation Accompaniment. Volume, One TouchSetting, Metronome
Keyboard Control	Many Keyboard Modes: Split, Layer, Duet, Tune, Transpose, Octave, 3 Touch Sensitivity and Fixed Touch Response
Demo	10 demo songs +55 learning songs
learning function	Left/Right Learning, Score for Learning Level
Song recording	Real Time Recording and Playback with U disk. Two melody Track recording in local memory
Registration Memory:	6x 6 per reg file
Others	BlueTooth，AutoPoweroff User voice setting, save/load reg file，save/load midi file. USB MIDI/USB AUDIO
Interface	AC 110V, Headphone, Line Out, Aux In, Bluetooth, MIDI Out, USB TO Host
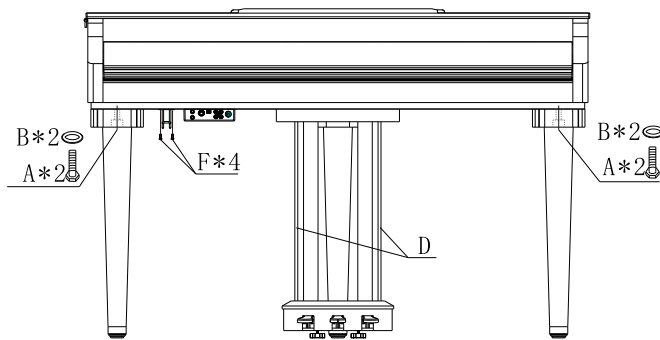
A: ▭ X8 M12X50

B: ◯ X8 D=12
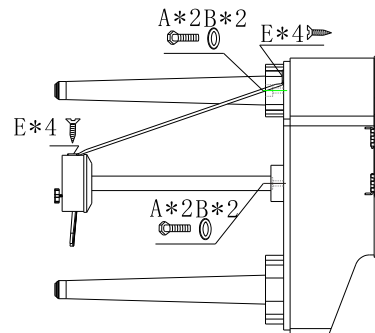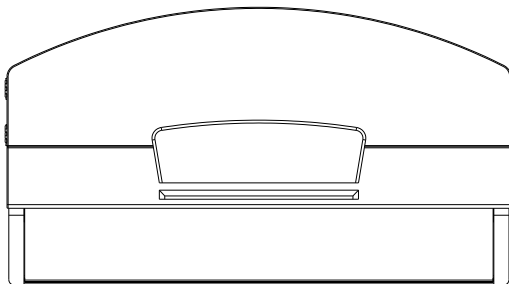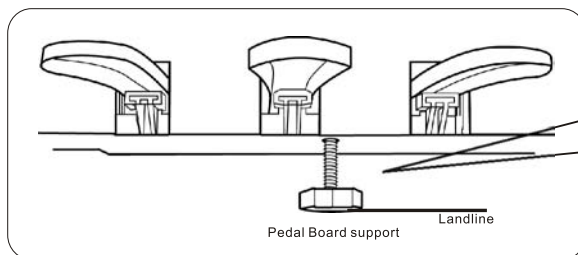
C: ▭▭

D: X2

E: ▭ X8 ST3.9X12

F: ▭ X4 M4X12

B*2
A*2
F*4
B*2
A*2
D

A*2B*2 E*4
E*4
A*2B*2

Turn the adjustable Pedal Board support, until it is in firm contact with the floor.

Pedal Board support
Landline

Before moving the piano to a new location, always remember to raise the level of the Pedal Board support so that it is not touching the floor. Once the piano is in place, you can adjust it so it is in firm contact with the floor again.

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.