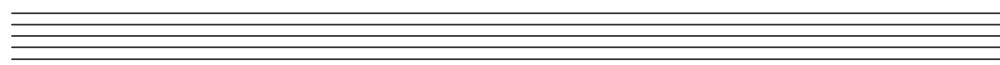




Chapter 6 Function



6. Reverb Level

Adjust the Reverb Volume level.

Press the [Function] button and use the [Layer] button to select the "Reverb Level".

The default value is 20.

Use the [Previous] or [Next] button to adjust the Reverb Volume level.

The available control range is 0 to 127.

7. Effect Type

Adjust the Effect Type.

Press the [Function] button and use the [Layer] button to select the "Effect Type".

The default value is Chorus.

Use the [Previous] or [Next] button to adjust the value.

The selectable mode is Off, Chorus, Phaser, Tremolo, and Ratty.

8. Effect Level

Adjust the Effect level.

Press the [Function] button and use the [Layer] button to select the "Effect Level".

The default value is 0.

Use the [Previous] or [Next] button to adjust the value.

The available control range is 0 to 127.

9. Temperament

Set the Temperament.

Press the [Function] button and use the [Layer] button to select the "Temperament".

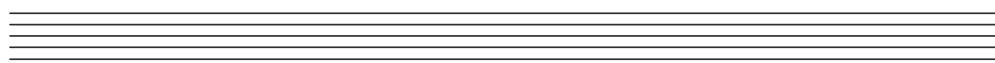
The default value is Equal.

Use the [Previous] or [Next] button to change the Temperament.

The selectable mode is Equal, Pythagorean, Pure major, Pure minor, Mean tone, Werckmeister and Kimberger.



Chapter 6 Function



10. Demo Repeat

Set the Demo repeat playback mode.

Press the [Function] button and use the [Layer] button to select the "Demo Repeat".

The default value is No.

Use the [Previous] or [Next] button to select the repeat mode.

The available control mode is as below.

- 1) No: When the Demo is finished, the playback is stopped automatically.
- 2) One: Repeat play the current song.
- 3) All: Repeat play all songs.

11. Local Control

Local Control is the connection between keyboard and internal sound producing circuitry (engine).

When Local Control is set to On, the keyboard delivers your performance information to the sound engine, so you can hear the sounds you play. At the same time, the transmits MIDI information via its USB port.

There are, however, cases you need to set Local Control to Off. When using this system with an external MIDI sequencer or computer via MIDI, the system may play the same note twice-once by the direct sound engine connection and once by the "echo" through the sequencer and coming back.

Turn the sound source of the piano on or off.

Press the [Function] button and use the [Layer] button to select the "Local".

The default value is On.

Use the [Previous] or [Next] button to select the value.

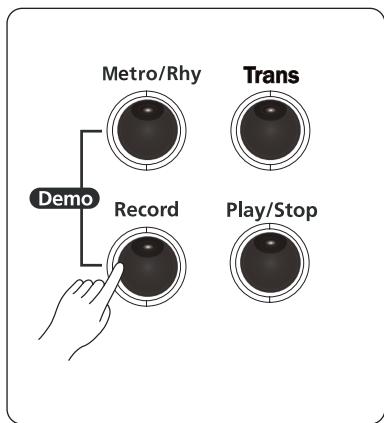
The available control mode is On or Off.



Chapter 7 Recording

You can record and play back your performance much like a tape recorder. This function can greatly enhance your composition and performance results.

1. Recording a Performance

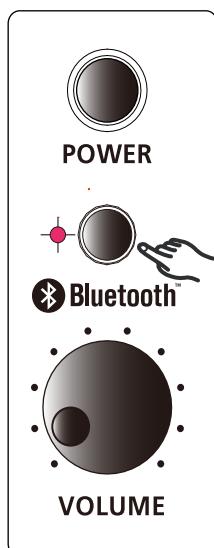


- 1) Press the [Record] button.
- 2) The indicator of the [Record] button will flash, and the indicator of the [Play/Stop] button is light up.
- 3) Start record the performance.
- 4) Press the [Play/Stop] button to stop the recording.
- 5) To start the record, press the [Play/Stop] button again.

2. Erasing a Song

- 1) To erase the song, press the [Record] button and the press and hold the [Play/Stop] button for at least 3 seconds.
- 2) When you record the performance again, the data is overwritten by the most recent data is stored, previous data will be erased.

3. Using Bluetooth

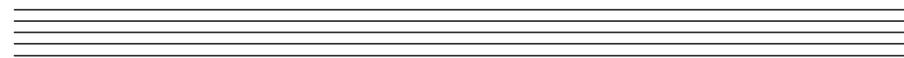


You can hear the music within the mobile phone or Youtube using by Bluetooth function.

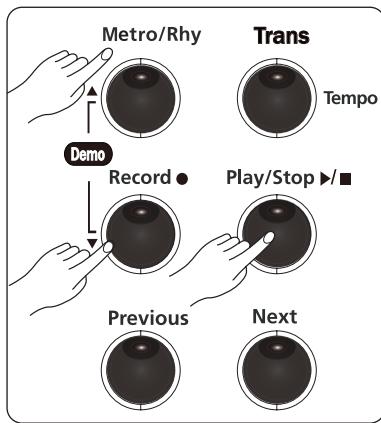
- 1) Press the [Bluetooth] button. The Bluetooth indicator will flash 3 seconds intervals with beep sound.
- 2) Set your Bluetooth device to search for and pair with this piano.
- 3) A list of detected devices appears in the display of the connecting device. The piano is displayed as "SM-BT Audio" on the connecting device. The Indicator will flash 1 second interval.
- 4) Set the Bluetooth device to connect to this piano.
- 5) Both piano and the Bluetooth device can adjust the volume.
- 6) To disable the Bluetooth, press the [Bluetooth] button.



Chapter 8 Demo Songs / Dual



Listening to Demo Songs



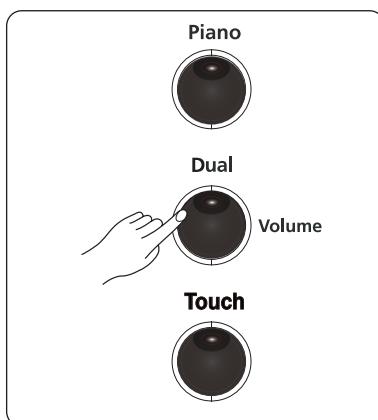
- 1) Press the [Metro/Rhy] button and the [Record] button.
- 2) The indicator of the [Metro/Rhy] and [Record] button will flash.
- 3) Use the [Previous] or [Next] button to select the desired song.
- 4) When press the [Play/Stop] button, Demo song will start play.
- 5) To stop the playback, press the [Play/Stop] button again.

The repeat playback mode is same as "Demo Repeat" in Function Mode.

- 1) No: When the Demo is finished, the playback is stopped automatically.
- 2) One: Repeat play the current song.
- 3) All: Repeat play all songs.

Using Duo Mode

The Duo mode allows two different players to play the instrument, one on the left and one in the right, over the same octave range



Press the [Dual] button.

The "Duo Piano" will display.

Set the sound style and Split point automatically.

Sound Style: Piano

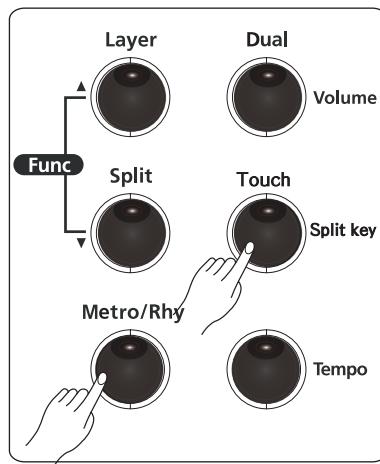
Split Point: E4 (Lower Region: A1~D#4, Upper Region: E4~C8)

When you play with Duo, Soft pedal operates as the left zone Sustain pedal.



Chapter 9 Metronome/Transpose

Metronome



Press the [Metro/Rhy] button.

Use the [Previous] or [Next] button to select the tempo.

Press the [Play/Stop] button to start the Metronome sound. If you select the Rhythm style, the Rhythm accompaniment will start.

To stop the Metronome or Rhythm, press the [Metro/Rhy] button again.

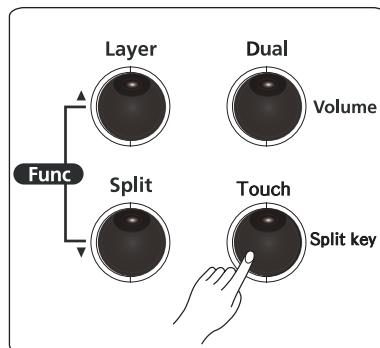
Time Signature:

B1: 2/4, B2: 3/4, B3: 4/4, B5: 6/4, B6: 8/12

Tempo:

During the playback the Metronome or Rhythm, press the [Tempo] button, and use the [Previous] or [Next] button to adjust the Tempo.

Touch Sensitivity



Press the [Touch] button.

The "Normal 3" will display.

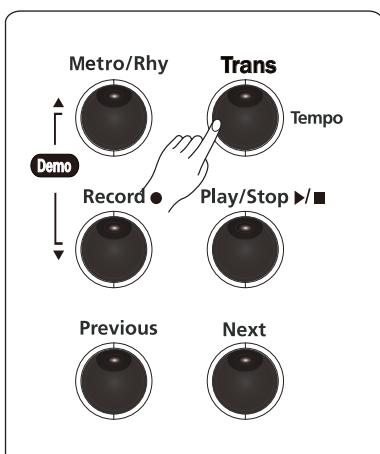
Use the [Previous] or [Next] button to select the value.

The available control mode is as below.

- 1) Soft 1, 2, 3: Progressively lighter touch is needed for loud dynamics.
- 2) Normal 1, 2, 3: Normal.
- 3) Heavy 1, 2, 3: Progressively heavier touch is needed for loud dynamics.
- 4) Fixed

Transpose

You can use the Transpose parameter to transpose the entire keyboard in semitone intervals.



Press the [Trans] button.

The "0: Transpose" will display.

Use the [Previous] or [Next] button to transpose the pitch down or up by semitones.

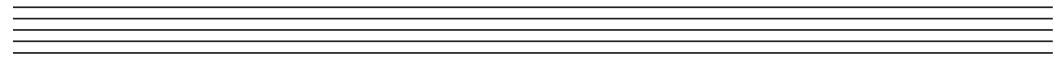
Press [Previous] and [Next] button at the same time, the setting is reset to the default value.

The default value is 0.

The available control range is -12 to +12.



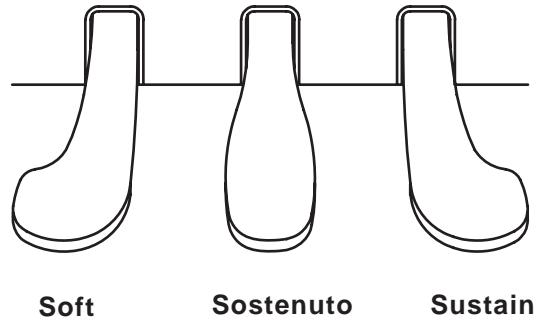
Chapter10 Pedals



1. Pedals

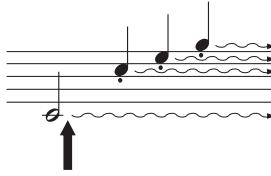
This piano has three foot pedals : damper (sustain) pedal (right), sostenuto pedal (center) and soft pedal (left) that produce a range of expressive effects similar to those produced by the pedals of an acoustic piano.

2. Using the Pedals

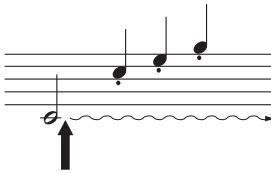


① Sustain Pedal

The sustain pedal functions in the same way as a damper pedal on an acoustic piano. When the damper pedal is pressed, notes sustain longer. Releasing the pedal immediately stops any sustained notes.



When you press the sustain pedal here, the notes you play before you release the pedal sustain longer.



When you press the sustain pedal here while holding the note, the note will sustain as long as hold the pedal.

② Sostenuto Pedal

If you play a note or chord on the keyboard and press the sostenuto pedal while the notes are held, those notes will sustain as long as you hold the pedal (as if the damper pedal had been pressed) but all subsequently played notes will not be sustained. This makes it possible to sustain a chord, for example, while other notes are played "staccato".

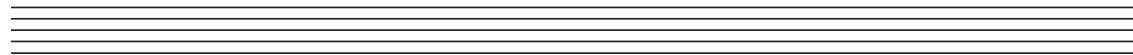
③ Soft Pedal

The soft pedal reduces the volume and slightly changes the timbre of notes played while the pedal is pressed. The soft pedal will not affect notes that are already playing when it is pressed.

NOTE If the pedal doesn't work, make sure that the pedal cord is properly plugged into the main unit (see page 10). Also, avoid pressing any pedals while the piano booting.



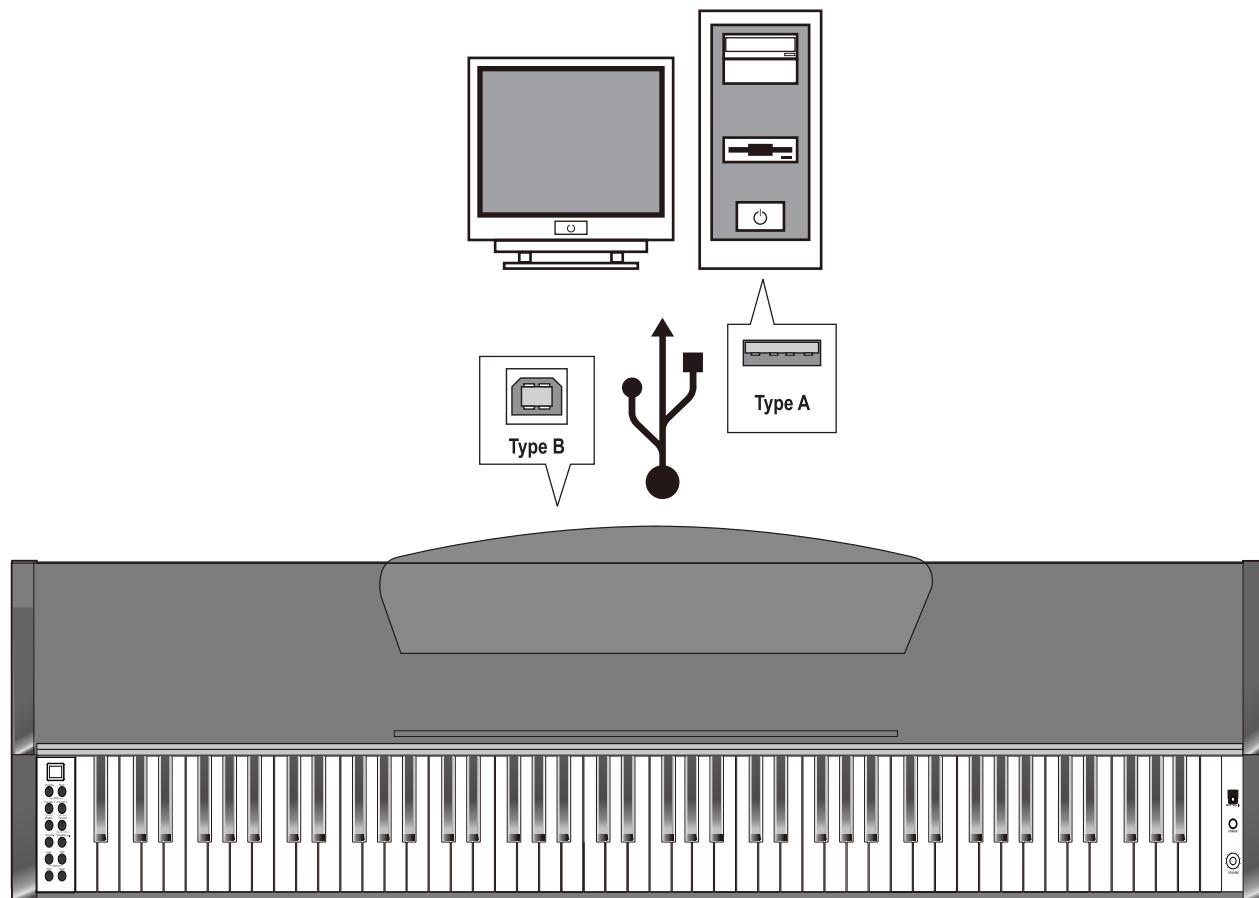
Chapter 11 MIDI



MIDI is acronym for Musical Instrument Digital Interface, which is an industry standard protocol for electronic instruments to communicate with each other.

1. Connecting to a Computer

The instrument can be connected to the computer via a USB cable (AB type USB cable of less than 3 meters). Connect the USB cable to the USB Type B terminal of the instrument, then to the USB Type A terminal of the computer.

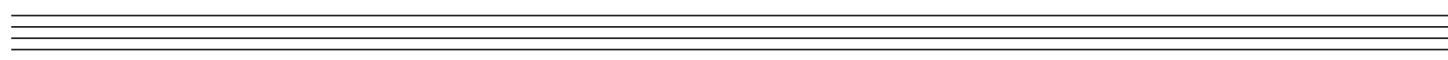


2. MIDI Channel

A MIDI cable can transmit multiple channels of performance data which is similar to TV channels. Each channel can be assigned its own voice. Typical MIDI instruments can play up to 16 channels at the same time which is equivalent to 16 soloists.



If you want to use your piano and record your performances with a computer, a sequencer program must be installed on your computer.



MIDI Implementation Chart

Manufacturer:
YOUNG CHANG Co, LTD.

Date : 2015.2.15
Version 1.0

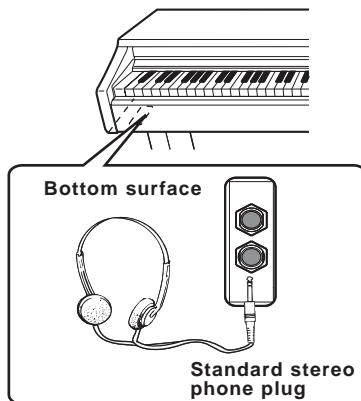
Function	Transmitted	Recognized	Remarks
Basic Channel	Default	1	1
	Changed	1 - 16	1 - 16
Mode	Default	Mode 3	Mode 3
	Messages		
	Altered		
Note Number			0 - 127
	True Voice	0 - 127	0 - 127
Velocity	Note ON	O	O
	Note OFF	X	X
After Touch	Keys	X	X
	Channels	X	O
Pitch Bender		X	O
Control Change	O 0 - 31 32 - 63 (LSB) 64 - 127	O 0 - 31 32 - 63 (LSB) 64 - 127	
Program Change	O 0 - 20	O 0 - 20	
	True # 0 - 127	0 - 127	
System Exclusive		O	O*
System Common	Song Pos.	O	O
	Song Sel.	O	O
	Tune	X	X
System Real Time	Clock	O	O
	Messages	O	O
Aux Messages	Local Control	O	O
	All Notes Off	O	O
	Active Sense	O	O
	Reset	X	X
Notes			



Chapter 12 Connection

1. Using Headphones

Connect a pair of headphones to one of the phones jacks. Two phones jacks are provided. You can connect two sets of standard stereo headphones. (If you are using one pair headphones, you can plug them into either of these jacks).



CAUTION

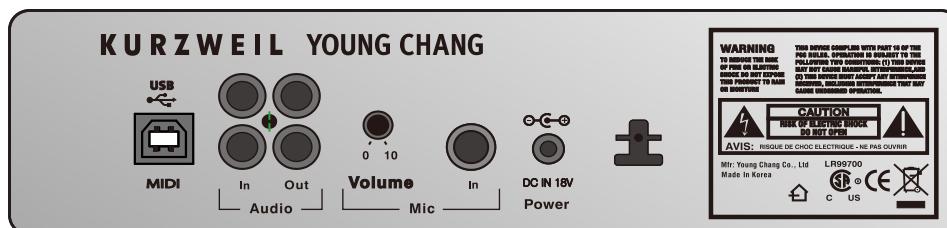
Do not use headphones at a high volume for an extended time. Doing so may cause hearing loss.

2. Audio In (Aux In)

You can connect the output jacks of an external device (such as CD player, tone generator) to the instrument's Aux In jacks, letting you hear the sound of that device through the built in speakers of the instrument.

3. Audio Out (Aux Out)

You can connect a stereo system to amplify the instrument's sound by using the Aux Out jacks. When the instrument's sound is output to an external device, first turn on the power to the instrument, then to the external device. Reverse this order when you turn the power off.



4. MP3 Aux In

You can connect the output jack of an MP3 player or smart phone to the instrument's MP3 Aux In jack on the right cheek block. Do not use Audio In and MP3 Aux In at the same time.

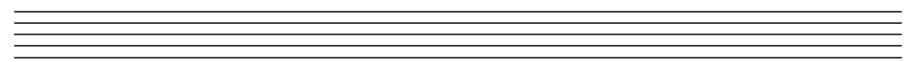


CAUTION

When you connect the cable to the piano, please turn the piano's power on first. Otherwise, loud noise may occur while connecting the cable.



Chapter 13 Drumset



		Annimal & Nature
A 0		
A# 0		
B 0		
C 1		
C# 1		
D 1		
D# 1	High Q	
E 1	Slap	
F 1	Stratch Push	
F# 1	Stratch Pull	
G 1	Sticks	
G# 1	Square Click	
A 1	Metronome Click	
A# 1	Metronome Bell	
B 1	Bass Drum 2 (Acoust)	
C 2	Bass Drum 1 (Rock)	
C# 2	Side Stick	
D 2	Snare Drum 1	
D# 2	Hand Clap	
E 2	Snare Drum 2	
F 2	Low Floor Tom	
F# 2	Closed Hi Hat (EXC 1)	
G 2	Hi Floor Tom	
G# 2	Pedal Hi Hat (EXC 1)	
A 2	Low Tom	
A# 2	Open Hi Hat (EXC 1)	
B 2	Low-Mid Tom	
C 3	Hi Mid Tom	
C# 3	Crash Cymbal 1	
D 3	High Tom	
D# 3	Ride Cymbal 1	
E 3	Chines Cymbal	
F 3	Ride Bell	
F# 3	Tambourine	
G 3	Splash Cymbal	
G# 3	Cowbell	
A 3	Craxh Cymbal 2	Lion
A# 3	Vibraslap	
B 3	Ride Cymbal 2	Tiger
C 4	Hi Bongo	Cow
C# 4	Lo BOngo	
D 4	Mute Hi Conga	Horse
D# 4	Open Hi Conga	
E 4	Low Conga	Horse Gallop
F 4	Hi Timbal	Dog
F# 4	Low Timbal	
G 4	High Agogo	Duck
G# 4	Low Agogo	
A 4	Cabasa	Goat
A# 4	Maracas	
B 4	Short Whistle (EXC 2)	Cuckoo
C 5	Low Whistle (EXC 2)	Cock
C# 5	Short Guiro (EXC 3)	
D 5	Long Guiro (EXC 3)	Hen
D# 5	Claves	
E 5	Hi Wood Block	Cat
F 5	Low Wood Block	Bird
F# 5	Mute Cuica (EXC 4)	
G 5	Open Cuica (EXC 4)	Goose
G# 5	Mute Triangle (EXC 5)	
A 5	Open Triangle (EXC 5)	Sheep
A# 5	Shaker	
B 5	Jingle Bell	Pig
C 6	Belltree	Rain
C# 6	Castanets	
D 6	Mute Surdo (ESC 6)	Wind
D# 6	Open Surdo (ESC 6)	
E 6		Thunder Stream
F 6		
F# 6		Seashore
G 6		
G# 6		Applause
A 6		
A# 6		Bell Ring
B 6		
C 7		Intercom
C# 7		
D 7		
D# 7		Car string Horn
E 7		
F 7		Patrol car
F# 7		
G 7		Train
G# 7		
A 7		Helicopter
A# 7		Boat
B 7		
C 8		

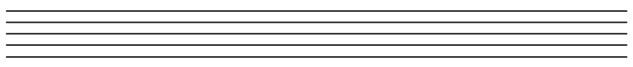


Chapter 14 Demo Song List

1		Prelude I BWV 846	J.S.Bach
2		Invention No.4	J.S.Bach
3		Invention No.8	J.S.Bach
4	BMW 847	Prelude II BWV 847	J.S.Bach
5		ARIA Goldenberg–Variationen BMW 988	J.S.Bach
6	BMW 848	Fuga II (A3 VOCL)	J.S.Bach
7	Op36, No4	Sonatine Op.36 No.4	M.Clementi
8	K15v	Klavierstück K. 15v	W.A. Mozart
9	K333	Piano Sonate K.333 1st mov.	W.A. Mozart
10	K485	Rondo in D-dur K.485	W.A. Mozart
11		Piano Sonate K.331 Rondo Turkish March	W.A. Mozart
12	K545	Piano Sonate K.545 1st mov.	W.A. Mozart
13		Minuette in G	L.v. Beethoven
14		Bagatelle No.25 Fur Elise	L.v. Beethoven
15	Op55, No. 1	Sonatine Op.55 No.1	Fr.Kuhlau
16		March Militaire Op.51 No.1	F.P.Schubert
17	Op94 – 3	Moments Musicaux 3.	F.P.Schubert
18	Op90 – 2	Impromptu Op.90 N0.2	F.P.Schubert
19	Op90 – 4	Impromptu Op.90 N0.4	F.P.Schubert
20		La chevaleresque	J.F.Buramu ler
21	Op38.No.2	Without words song Op.38 No.2	J.L.F.Mendelssohn
22	Op30.No.6	Venetianisches Zgondellied	J.L.F.Mendelssohn
23	KK Ivb-10	Sostenuto	F.F.Chopin
24	KK Ivb-11	Valse KK IVB-11	F.F.Chopin
25	Op.7.No.1	5 Mazurkas I Op.7 N0.1	F.F.Chopin
26	Op.69-2	Valse Op.69 No.2	F.F.Chopin
27	Op18	Grande Valse Brillante Op.18	F.F.Chopin
28		Valse Op.64. No.2	F.F.Chopin
29	Op9. No.2	Noctutne Op.9 N0.2	F.F.Chopin
30	Op64 No.1	Valse Op.64 No.1	F.F.Chopin
31	Op28.No.15	Preludes in Db Maior Op.28 No.15	F.F.Chopin
32	Op66	Fantaisie-Impromptu Op.66	F.F.Chopin
33	Op15-7	Traumerei	R. Schumann
34		Frolicher Landmann Op.68-10	R. Schumann
35	Op15	Von fremden Landern und Menschen Op.1	R. Schumann
36		Liebestraume Nr.3	F. Liszt
37		Dolly's Dreaming And Awakening	T. Oesten
38	Op410	Fryhlingsstimmen Op.410	J. Strauss
39		The Swan	Saint-Saens
40		Blumenlied	G. Lange
41		Valsette	F. Borowski
42	Op39,No.16	Old French Air	P.I.Tchaikovsky
43	Op39,No.10	Mazurka	P.I.Tchaikovsky
44		Polka	P.I.Tchaikovsky
45		Barcarolle	P.I.Tchaikovsky
46	Op101-7	Humoreska	A. Dvor A k
47	Op46-3	Suite Peer Gynt Op.46-3 Anitras Tanz	E. Grieg
48	L75	Suite Bergamasque Prelude	C.A.Debussy
49		Reverie	C.A.Debussy
50		Arabesque	C.A.Debussy



Chapter 15 Sonatine,Rhythm List



Sonatine

F. KUHLAU	Select No
OP.20 NO.1-1	1
OP.20 NO.1-2	2
OP.20 NO.1-3	3
OP.20 NO.2-1	4
OP.20 NO.2-2	5
OP.20 NO.2-3	6
OP.20 NO.3-1	7
OP.20 NO.3-2	8
OP.20 NO.3-3	9
OP.55 NO.1-1	10
OP.55 NO.1-2	11
OP.55 NO.2-1	12
OP.55 NO.2-2	13
OP.55 NO.2-3	14
OP.55 NO.3-1	15
OP.55 NO.3-2	16
M. CLEMENTI	Select No
OP.36 NO.1-1	17
OP.36 NO.1-2	18
OP.36 NO.1-3	19
OP.36 NO.2-1	20
OP.36 NO.2-2	21
OP.36 NO.2-3	22
OP.36 NO.3-1	23
OP.36 NO.3-2	24
OP.36 NO.3-3	25
OP.36 NO.4-1	26
OP.36 NO.4-2	27
OP.36 NO.4-3	28
OP.36 NO.5-1	29
OP.36 NO.5-2	30
OP.36 NO.5-3	31
OP.36 NO.6-1	32
OP.36 NO.6-2	33
J. HAYDN	Select No
HOB.16-35-1	34
HOB.16-35-2	35
HOB.16-35-3	36

W.A. MOZART	Select No
K.545-1	37
K.545-2	38
K.545-3	39
L.V. BEETHOVEN	Select No
OP.49 NO.2-1	40
OP.49 NO.2-2	41
OP.49 NO.1-1	42
OP.49 NO.1-2	43
J.L. DUSSEK	Select No
OP.20 NO.1-1	44
OP.20 NO.1-2	45

Rhythm List

No	Rhythm	No	Rhythm
1	home Beat	13	Groove
2	Rhythm Beat	14	Euro Beat
3	Party Dance	15	Reggae
4	Love Disco	16	Rumba
5	Soft Rock	17	8 Beat
6	Slow Rock	18	16 Beat
7	Pop 1	19	ChaCha
8	Pop Polka	20	Bosanova
9	Acid Jazz	21	Samba Disco
10	Sweet Beat	22	Fox Trot
11	Hard Rock	23	March
12	Swing Rock	24	Waltz



Chapter 16 Specifications

Keyboard	88 note fully weighted Graded Hammer action (A0~C8)
Finish	Simulated Rose wood or White
Cabinet	Pattern type
ToneGen.	Kurzweil V.A.S.T
Polyphony	128 Voices
Sounds	30 Programs
Rhythm	30 Patterns
PlayMode	Layer, Split
Education	Bayer, Czerny 100,30,40, Sonatine
DemoSongs	50 PianoMasterpieces,Sonatine 45
Pedals	3 (Sustain, Soft, Sostenuto)
Display	5x7 Dot scrolling marix LED
Others	Volume, Tune, Transpose, Metronome
Connectors	MP3 Aux In, Audio In/Out, USB Slave,Bluetooth
AudioPower	20W x 2, 8 Ohms
Speakers	6.5" x 2 full-range (Ovaltype)
Dimensions	1400 x 470 x 850(W x D x H)

FCC

Caution : Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

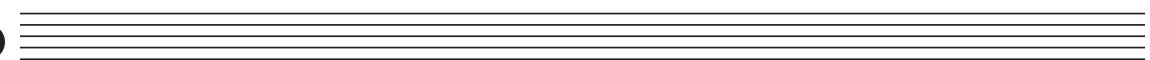
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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.



Memo

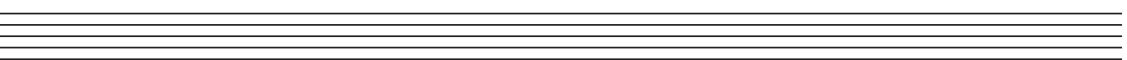


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