

# **RJ-561 Multi-function Keyboard**

**User Guide** 

# **Important Information**

Be sure to obey the following information so as not to harm yourself or others or damage this instrument or other external equipment.

#### Power adapter:

- Please use only the specified AC adapter supplied with the product. An incorrect or faulty adapter can cause damage to the electronic keyboard.
- Do not place the AC adapter or power cord near to any source of heat such as radiators or other heaters.
- To avoid damaging the power cord, please ensure that heavy objects are not placed on it and that it is not subject to stress or over bending.
- Check the power plug regularly and ensure it is free from surface dirt. Do not insert or unplug the power cord with wet hands.

#### Do not open the body of the electronic keyboard:

 Do not open the electronic keyboard or try to disassemble any part of it. If the device is not functioning correctly please stop using it and send it to a qualified service agent for repair.

#### Use of the electronic keyboard:

- To avoid damaging the appearance of the electronic keyboard or damaging the internal parts
  please do not place the electronic keyboard in a dusty environment, in direct sunlight or in
  places where there are very high or very low temperatures.
- Do not place the electronic keyboard on an uneven surface. To avoid damaging internal parts do not place any vessel holding liquid onto the electronic keyboard as spillage may occur.

#### Maintenance:

• To clean the body of the electronic keyboard wipe it with a dry, soft cloth only.

#### Connection:

 In order to prevent damage to the speaker of the electronic keyboard please adjust the volume of any peripheral device to the lowest setting and gradually adjust the volume accordingly to an appropriate level once the music is playing.

#### During operation:

- Do not use the keyboard at the loudest volume level for a long period of time.
- Do not place heavy objects onto the keyboard or press the keyboard with undue force.
- The packaging should be opened by a responsible adult only and any plastic packaging should be stored or disposed of appropriately.

#### Specification

• Specifications are subject to change without notice.

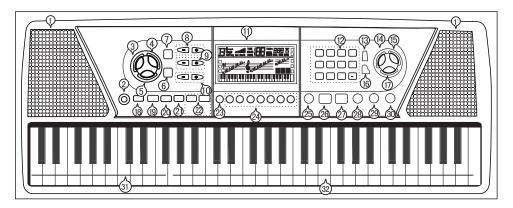
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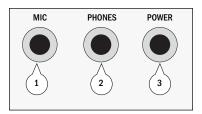
## Front Panel and External Connections

## **Front Panel**



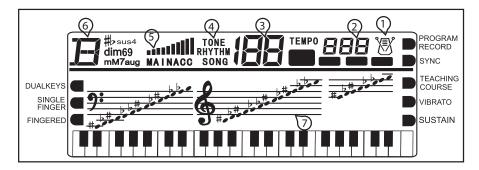
- 1. Speaker
- 2. Power Switch
- 3. Single Finger
- 4. Fingered Chord
- 5. Chord Tones
- 6. Sustain
- 7. Vibrato
- 8. Master Volume -/+
- 9. Accompaniment Volume -/+
- 10. Transpose
- 11. LCD Display
- 12. Number Buttons
- 13. Metronome
- 14. Tone Select
- 15. Rhythm Select
- 16. Dual Keyboard

## External Connections



- 17. Demo Songs
- 18. Start/Stop
- 19. Rhythm Sync
- 20. Fill In
- 21. Chord Off
- 22. Tempo [Slow/Fast]
- 23. Keyboard Percussion
- 24. Panel Percussion
- 25. Record
- 26. Rhythm Program
- 27. Playback
- 28. Single Key Course
- 29. Synchronised Course
- 30. Concert Course
- 31. Chord Keyboard Area
- 32. Keyboard Playing Area
  - 1. Microphone Input
  - 2. Headphone Output
  - 3. DC9V Power Input

## LCD Display



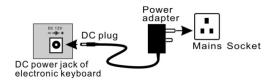
- 1. Metronome for rhythm and song
- 2. Speed value of rhythm and song (bpm)
- 3. Digital display of song, rhythm and tone number
- 4. TONE, RHYTHM or DEMO song
- 5. Volume level display
- 6. Playing chord indication
- 7. Staff display

# **Preparation Before First Use**

### Power

Use of AC/DC power adapter:

Please use the special AC/DC power adapter that came with the electronic keyboard or a power adapter with DC9V output voltage and 500mA output current with a centre positive plug. Connect the DC plug of the power adapter into the DC9V power socket on the rear of the keyboard and then connect the other end into the mains wall socket and switch on.



Caution: When the keyboard is not in use you should unplug the power adapter from the mains power socket.

Battery operation:

Open the battery lid on the underneath of the electronic keyboard and insert 6 x 1.5V Size D alkaline batteries. Ensure the batteries are inserted the correct way round and replace the battery lid.

Caution: Do not mix old and new batteries. Do not leave batteries in the keyboard if the keyboard is not going to be used for any length of time. This will avoid possible damage caused by leaking batteries.

### Jacks and Accessories

Using headphones:

Connect the 3.5mm headphone plug into the [PHONES] jack on the rear of the keyboard. The internal speaker will cut off automatically once headphones are connected.



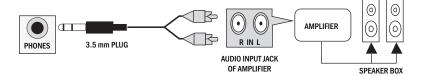
Connecting a microphone:

This electronic keyboard has a 3.5mm socket for connecting an electret microphone (not included). Connect the microphone to the 3.5mm socket and sing along in time with the music.



Connecting an Amplifier or Hi-Fi Equipment:

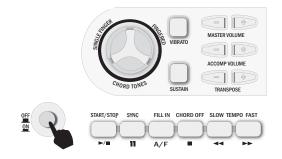
This electronic keyboard has a built in speaker system but it can be connected to an external amplifier or other hi-fi equipment. First turn off the power to the keyboard and any external equipment you are looking to connect. Next insert one end of a stereo audio cable into the LINE IN or AUX IN socket on the external equipment and connect the other end into the [PHONES] jack on the rear of the electronic keyboard.





## **Power and Volume**

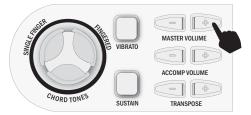
Power control:



Press the [POWER] button to turn the power on and again to turn the power off.

Adjustment of the Master Volume:

The keyboard has 10 levels of volume from 1 -10. The default volume level when powered on is set to level 8. To change the volume, press the [MASTER VOLUME +/-] buttons. The volume level is indicated by the bars on the LCD display. Pressing both the [MASTER VOLUME +/-] buttons at the same time will make the master volume return to the default level.



## Tone

Tone Selection:

When the keyboard is first switched on the default status is TONE. To change the tone you can either press the + or - buttons on the numerical keypad or directly input the number of the tone you require by pressing the corresponding digits 0-9.





## Effect & Control

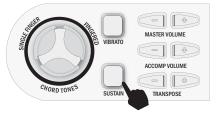
Dual Keyboard:

To switch on Dual Keyboard mode press the [Dual Keyboard] button. The LCD display will show a flag next to [DUAL KEYS]. The keyboard will split into a dual voice keyboard at the 24th key from the left. You can adjust the voice of the left hand side of the keyboard by pressing the corresponding digits 0-9 on the numerical keypad. The voice of the right hand side of the keyboard will remain set to the voice chosen before the [Dual Keyboard] button was pressed. In Dual Keyboard mode the pitch of the left hand keys are raised by one octave and the right hand keys are lowered by one octave. Press the [Dual Keyboard] button again to exit Dual Keyboard mode.



Sustain:

Press the [Sustain] button to enter Sustain mode. The LCD display will show a flag next to [SUSTAIN]. Once this mode is selected the sound of each note played is prolonged. Pressing the [Sustain] button again will turn the sustain feature off and exit this mode.



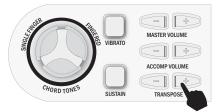
Vibrato:

Press the [Vibrato] button to enter Vibrato mode. The LCD display will show a flag next to [VIBRATO]. Once this mode is selected each time a note is played a trembling effect is added to the end of the note. Pressing the [Vibrato] button again will turn the Vibrato feature off and exit this mode.



#### Transpose:

Pressing the [Transpose +/-] button alters the musical scale of the note being played. You can adjust the scale by 6 levels upwards or downwards. Pressing both the [Transpose +/-] buttons at the same time will make the musical scale revert to 0.



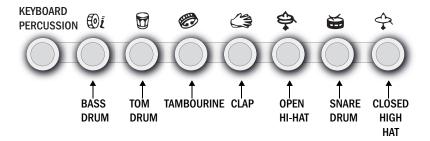
#### Metronome:

Press the [Metronome] button to start the tick-tock beat. There are four beats to choose from, 1/1, 1/4, 1/2, or 1/3 beat. Press the [Metronome] button repeatedly to cycle through to the required beat pattern. The LCD display will indicate the beat you have chosen. The metronome effect is added to the music once you start playing. To exit this mode press the [Metronome] button.



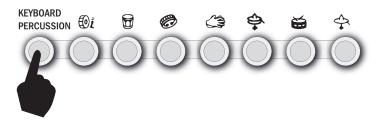
Panel Percussion Instruments:

There are 7 kinds of percussion instruments to choose from. Press the corresponding button to sound the required instrument. You can use the percussion instruments to fill in your music and enhance the performance.



Keyboard Percussion:

Press the [KEYBOARD PERCUSSION] button so that percussion sounds can be played by the black and white keys of the keyboard. There are 12 different percussion sounds that can be made. Press the button again to exit keyboard percussion mode.



### Rhythm

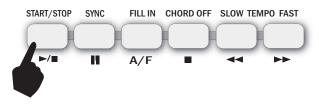
Selecting the rhythm:

You can choose from any of the 200 built in rhythms. Please refer to the appendix for the detailed rhythm table. Press the [RHYTHM SELECT] button to enter the rhythm selection function. The LCD display will show the current rhythm number. You can select the rhythm you require by pressing the corresponding digits on the numerical keypad or by pressing the + / - buttons.



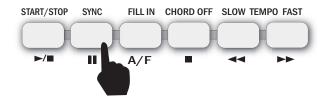
Start / Stop:

Press the [START / STOP] button to play the rhythm. Press the [START / STOP] button again to stop the rhythm playback.



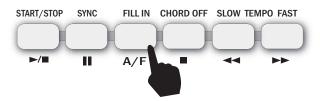
Sync:

Press the [SYNC] button to select the sync accompaniment function. The LCD display will show a flag next to [SYNC]. Pressing any of the first 19 keys on the left hand side of the keyboard will start the rhythm playing. Press the [START / STOP] button to stop the rhythm and exit the sync function.



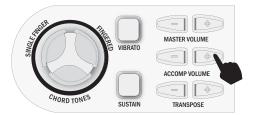
Fill in:

You can fill in a length of interlude if you press the [FILL IN] button during the rhythm playback. After the fill in the rhythm will continue playing as normal.



Accompaniment Volume Adjustment:

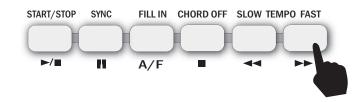
The default Accompaniment Volume is level 8, this can be adjusted by pressing the [ACCOMP VOLUME +/-] buttons. The LCD display will show the volume as you are adjusting it. The adjustment range is 1-10 indicated by the bars on the LCD display. Pressing both the [ACCOMP VOLUME +/-] buttons at the same time will make the Accompaniment Volume return to the default level.





Tempo Adjustment:

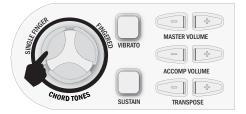
Press the [TEMPO SLOW/FAST] buttons to adjust the playing tempo of the rhythm, metronome and demo song. The adjustment range is 30-240 bpm. Pressing both the [TEMPO SLOW/FAST] buttons at the same time will make the tempo revert to the default tempo for the rhythm selected or 120 bpm for the metronome.



## **Chord Accompaniment**

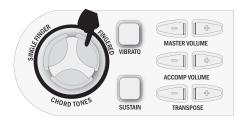
Single Finger Chords:

Press the [SINGLE FINGER] button to enter the single finger auto chord mode. A flag is displayed on the LCD next to SINGLE FINGER. Chords are played by pressing certain keys in the chord area on the left hand side of the keyboard (keys 1-19). The finger patterns required are shown in Appendix V. The played chord is displayed in the top left corner of the LCD display. Press the [START / STOP] button to start or stop the chord accompaniment.



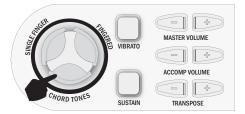
Fingered Chords:

Press the [FINGERED] button to enter the fingered auto chord mode. A flag is displayed on the LCD next to [FINGERED CHORD]. By pressing certain keys in the chord area on the left hand side of the keyboard (keys 1-19) you can hear different chord accompaniments. The finger patterns required are shown in Appendix V. The played chord is displayed in the top left corner of the LCD display. The fingered chord will only play when it is keyed correctly. Press the [START / STOP] button to start or stop the chord accompaniment.



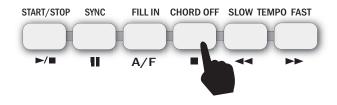
Chord Tones:

There are 4 kinds of chord accompaniment tone to choose from. To select the chord tone, press the [CHORD TONES] button repeatedly during chord accompaniment. The LCD display will briefly show a number 00 - 03 to indicate the chord tone selected.



Chord Off:

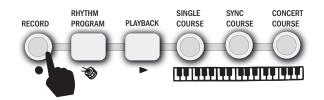
During any chord mode press the [CHORD OFF] button to stop the chord accompaniment sound and exit the chord mode. The rhythm will continue to play.



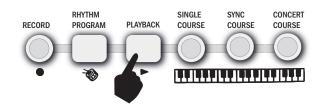


## **Recording Function**

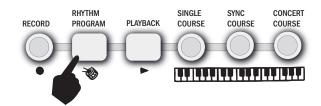
Press the [RECORD] button to enter the recording mode. The LCD display will show a flag next to [PROGRAM RECORD]. Press any key to start recording. The maximum recording capacity is 85 notes. When the recording capacity is full the LCD display will show [FL]. Each time you press the [RECORDING] button, the previous memory will be cleared and the keyboard will enter the recording mode again.



Press the [PLAYBACK] button to play back the recorded notes.



Press the [RHYTHM PROGRAM] button to enter the rhythm editing mode. The LCD display will show a flag next to [PROGRAM RECORD]. You can edit a section of rhythm by pressing any of the 7 kinds of panel percussion on the keyboard. The maximum recording length is 32 percussion sounds. Press the [PLAYBACK] button to hear the programmed sounds in sequence. You can also adjust the tempo for optimal effect. Each time you press the [RHYTHM PROGRAM] button the previous memory will be cleared and the keyboard will enter the programming mode again.



## **Demo Song Playback**

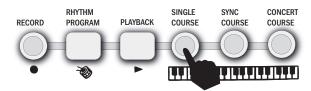
Press the [DEMO] button to play a demo song. The LCD display will show SONG [XX] where xx is the number of the demo song. By pressing the + and - button on the numerical keypad you can choose the demo song you require. There are 50 songs to choose from in total. The keyboard will finish the chosen song and then start to play the next song. Press the [DEMO] button again to exit the demo mode.



### **Teaching Modes**

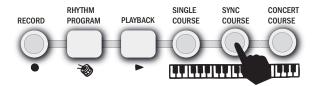
Single Key Course:

Press the [SINGLE COURSE] button to enter the Single Key teaching mode. A flag next to [TEACHING COURSE] will be displayed on the LCD. This mode is suitable for beginners to familiarise themselves with the rhythm and tempo of the song. The LCD display will show SONG [XX] where xx is the number of the demo song selected. Select a different song using the +/- or number keys. The beat point will flash on the LCD display to indicate the tempo. The keyboard will then play the main melody in time with any key presses, even incorrect ones.



Synchronised Course:

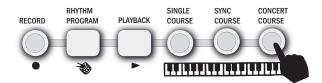
Press the [SYNC COURSE] button to enter the Synchronised teaching mode. A flag next to [TEACHING COURSE] will be displayed on the LCD. This mode is suitable for more advanced users. The LCD display will show SONG [XX] where xx is the number of the demo song selected. Select a different song using the +/- or number keys. The beat point will flash on the LCD display to indicate the tempo. The correct key to press next is displayed flashing on the LCD display. Play along in time making sure to press and hold the correct keys in time as indicated. If an incorrect key is pressed then no tone will be sounded.





#### Concert Course:

Press the [CONCERT COURSE] button to enter the Concert course teaching mode. A flag next to [TEACHING COURSE] will be displayed on the LCD. This mode is suitable for more advanced users. The LCD display will show SONG [XX] where xx is the number of the demo song selected. Select a different song using the +/- or number keys. The beat point will flash on the LCD display to indicate the tempo. The correct key to press is NOT displayed on the LCD display. Play along in time with correct key presses. If incorrect keys are pressed then the LCD will start to indicate the correct keys to be pressed.



Progressive Learning:

In general follow the sequence below in order to master any of the included songs.

- Listen to the song in DEMO mode to get an idea of the note timings and beat. When confident move on to the next stage.
- Access the same song in SINGLE KEY COURSE mode and duplicate the note timings using a single key. When mastered move onto the next stage.
- Access the same song in SYNC COURSE mode and play along by pressing the correct keys as indicated. When mastered move onto the next stage.
- Access the same song in CONCERT COURSE mode and play along by pressing the correct keys unaided. When mastered congratulate yourself and move onto a new song!

# Appendix I. Rhythm Table

No.	Name of Rhythm	No.			Name of Rhythm	No.	Name of Rhythm	
00	Club Pop	25	16 Beat Shuffle	50 Club Latin		75	Samba 2	
01	Rock'n Roll 1	26	8 Beat Adria	51	Disco Chocolate	76	Schlager Rock 1	
02	Rock'n Roll 2	27	Big Band Shuffle	52	Disco Fox	77	Schlager Rock 2	
03	Waltz	28	Big Band Shuffle	53	Disco Funk	78	Tarantella	
04	Bossanova	29	Big Band Shuffle	54	Disco Hands	79	Tijuana	
05	Slow Rock 1	30	Fast Band 1	55	Disco Latin	80	Electro Pop	
06	Slow Rock 2	31	Fast Band 2	56	Disco Party	81	Fusion	
07	Slow Rock 3	32	Bolero	57	Disco Samba	82	Hip Shuffle	
08	Slow Soul	33	Cat Groove	58	Dixie Jazz	83	Limbo Rock	
09	16 Beat Pop	34	Classic Piano	59	Pop New Age	84	Acoustic Ballad	
10	8 Beat Pop	35	Cumbia	60	UK Рор	85	Piano Ballad	
11	8 Beat Soul	36	Disco	61	USA March	86	R&B Ballad	
12	8 Beat Rock	37	Latin Rock	62	Club Dance	87	Rock Ballad	
13	Rap Рор	38	Ober Polka	63	Rumba 1	88	Reggae	
14	Pop Rock	39	Polka Pop	64	8 Beat Modern	89	Slow & Easy	
15	60's Soul	40	Twist	65	Country Ballad	90	Swing Waltz	
16	70's Soul	41	Unplugged	66	Hard Rock	91	Pub Piano	
17	Straight Rock	42	Blue Grass 1	67	Hully Gully 1	92	Jazz Big Band	
18	Techno 1	43	Blue Grass 2	68	Jive	93	Jazz Club	
19	Techno 2	44	Blue Grass 3	69	Love Song	Love Song 94		
20	Funk	45	Cha Cha	70	Medium Jazz 95		Jazz Waltz 2	
21	Mambo 1	46	Saturday Night	71	Modern Country 96 Pop		Jazz Rock	
22	Mambo 2	47	Pop Ballad	72	Modern R&B	97	Salsa	
23	Country 1	48	Pop Waltz	73	Pasodoble	98	Analog Ballad	
24	Country 2	49	British Pop	74	Samba 1 99		Show Tune	

# Appendix II. Tone Table

No. Name of No. Tone		No.	Name of Tone	No.	Name of Tone	No.	Name of Tone	
00	Acoustic Grand Piano	25	Acoustic Guitar 2	50	Synth Strings 2	75	Blown Bottle	
01	Bright Acoustic Piano	26	Electric Guitar 1	51	Choir Aahs	76	Shakuhachi	
02	Electric Grand Piano	27	Electric Guitar 2	52	Voice Oohs 77		Whistle	
03	Honky-tonk Piano	28	Electric Guitar 3	53	Synth Voice	Synth Voice 78		
04	Rhodes Piano	29	Overdriven Guitar	54	Orchestra Hit 79		Lead 1	
05	Chorused Piano	30	Distortion Guitar	55	Trumpet	80	Lead 2	
06	Harpsichord 1	31	Acoustic Bass	56	Trombone	81	Lead 3	
07	Clavi 1	32	Electric Bass 1	57	Tuba	82	Lead 8	
08	Celesta 1	33	Electric Bass 2	58	Muted Trumpet	83	Pad 2	
09	Glockenspiel	34	Fretless Bass	59	French Horn 84		Sitar	
10	Music Box 1	35	Slap Bass 1	60	Brass Section 85		Banjo	
11	Vibraphone	36	Slap Bass 2	61	Synth Brass 1 86		Shamisen 1	
12	Marimba 1	37	Synth Bass 1	62	Synth Brass 2	87	Koto 1	
13	Xylophone 1	38	Synth Bass 2	63	Soprano Sax 88		Kalimba 1	
14	Tubular Bells 1	39	Violin	64	Alto Sax	89	Bag Pipe 1	
15	Dulcimer 1	40	Viola	65	Tenor Sax 1	90	Fiddle	
16	Drawbar Organ	41	Cello	66	Baritone Sax	91	Shanai 1	
17	Percussive Organ	42	Contrabass	67	Oboe	92	Tinkle Bell	
18	Rock Organ	43	Tremolo Strings	68	English Horn 1	93	Agogo	
19	Church Organ	44	Pizzicato Strings	69	Bassoon	94	Steel Drums	
20	Reed Organ 1	45	Orchestral Harp	70	Clarinet	95	Woodblock 1	
21	Accordion 1	46	Timpani	71	Piccolo	96	Taiko Drum	
22	Harmonica	47	String Ensemble 1	72	Flute	97	Melodic Tom	
23	Tango Accordion	48	String Ensemble 2	73	Recorder 98		Synth Drum	
24	Acoustic Guitar 1	coustic Guitar 1 49 Synth Strings 1		74	Pan Flute	99	Reverse Cymba	

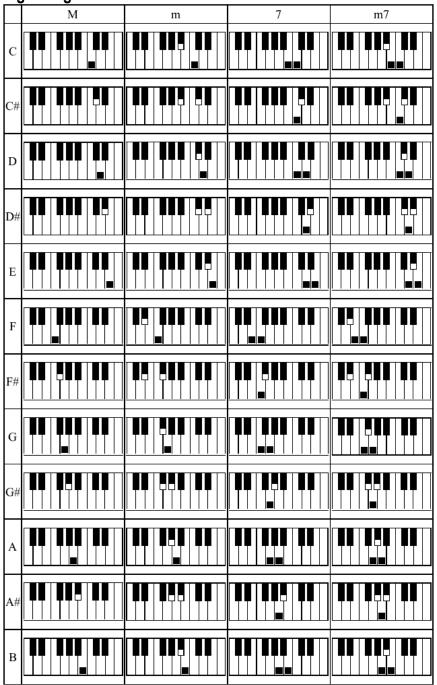
# Appendix III. Demo Song Table

No.	Name of Song	No.	Name of Song
00	Lotus Pond Moonlight	25	Chopin Nocturnes
01	Sweet Honey	26	The Four Seasons - Spring
02	Love You A Million Years	27	Carmen Overture
03	Spring Flowers	28	Tea Butterfly Flutter
04	New Mandarin Butterfly Dream	29	Mozart Symphony
05	Unfortunately, Not You	30	Spanish Bullfighter
06	Blue Apple Paradise	31	Susanna
07	Tomorrow Will Be Better	32	Radiant
08	My Future Is Not A Dream	33	Turkish March
09	Moon Ship	34	Girl's Prayer
10	Tuberose	35	Wedding March
11	Kiss Goodbye	36	Lullaby
12	Wild Lily Spring	37	Minuet In Gg
13	Birch	38	Mary Had A Little Lamb
14	Off The Stars	39	Wiegenlied
15	American Patrol	40	Little Bee
16	Auld Lang Syne	41	Humpty Dumpty
17	Say You Say Me	42	Old Mac Donald had a Farm
18	Unchained Melody	43	Minuet
19	My Heart Will Go On	44	Polly Wolly Doodle
20	Are You Sleeping	45	The More We Get Together
21	Little Star	46	She Wore A Yellow Ribbon
22	Jingle Bells	47	Long Long Ago
23	Blue Danube	48	La Cucaracha
24	Fur Elise	49	Little Brown Jug

# Appendix IV. Troubleshooting

Trouble	Possible Reason / Solution
A slight noise is heard when turning the power on or off.	This is normal and nothing to worry about.
After turning the power on to the keyboard there was no sound when the keys were pressed.	Check the master volume is set to the correct volume. Check that headphones or any other equipment are not plugged into the keyboard as these will cause the built-in speaker system to cut off automatically.
Sound is distorted or interrupted and the keyboard is not working properly.	Use of incorrect power adapter. Use the power adapter supplied or the batteries may need replacing.
There is a slight difference in timbre of some notes.	This is normal and is caused by the many different voice sampling ranges of the keyboard.
When using the sustain function some tones have long sustain and some short sustain.	This is normal. The best length of sustain for different tones has been pre-set.
The master volume or accompaniment volume is not right.	Check that the master volume and accompaniment volume are set correctly.
In SYNC status the auto accompaniment does not work.	Check to make sure Single Finger or Fingered mode has been selected and then play a note from the first 19 keys on the left
The pitch of the note is not correct	hand side of the keyboard. Check that the transpose is set to 00.

**Single Finger Chords** 



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## **Fingered Chords**

Chord Type Root	м	m	7	m7	dim7	M7	m7 <sup>-5</sup>	dim
С								
C‡/(D♭)								
D								
(D‡)/E <sup>}</sup>								
E								
F								
F‡/(G♭)								
G								
(G <sup>‡</sup> )/A <sup>j</sup>								
А								
(A <sup>♯</sup> )/B <sup>↓</sup>								
В								

## **Appendix VI. Technical Specification**

- Display
   LCD Display with Staff and Key Indication
- Tone 200 tones
- Rhythm
   200 rhythms
- Demo 50 different demo songs
- Effect Control Dual Voice, Sustain, Vibrato, Transpose
- Recording and Programming
   85 Note Record Memory, Playback, 32 Beat Rhythm Programming
- Percussion 7 Kinds of panel percussion instruments, (12 in keyboard percussion mode)
- Accompaniment Control Start / Stop, Sync, Fill in, Tempo
- Intelligent Teaching
   Metronome, 3 teaching modes
- External Jacks
   DC 9V Power Input, Headphone Output, Microphone Input
- Diapason (Range of Keyboard) C2- C7
- Intonation
   <3cent
- Weight 4.4kg
- DC Input
   DC9V
- Power Adapter
   DC9V, 500mA
- Output Power 5W x 2
- Accessories Power Adapter, Music Stand, User Guide

## FCC Compliance Statement

FCC Class B Part 15

This device complies with Part 15 of the Federal Communications Commission (FCC) Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference.

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

CAUTION:

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

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 manufacturer's instructions, may cause interference harmful to radio communications.

There is no guarantee, however, 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 to an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio or TV technician for help.

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