54 Keys 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.

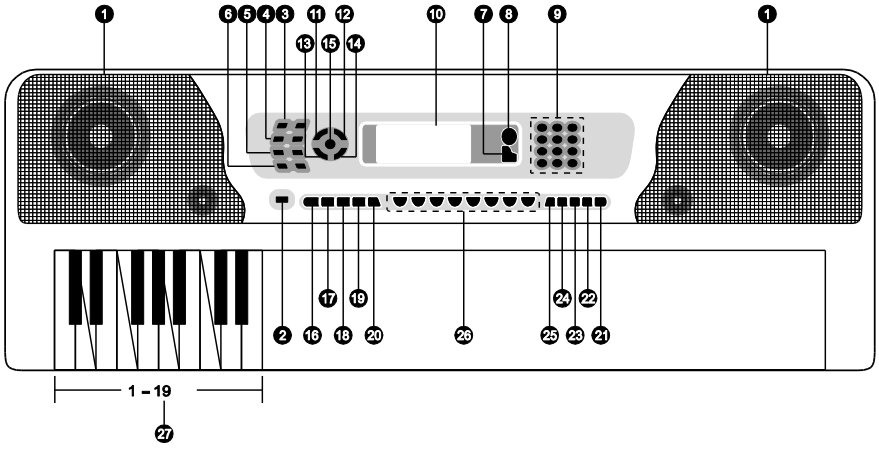
Contents

Front Panel and External Connections 4
Front Panel 4
External Connections 4
LCD Display 5
Preparation Before First Use 5
Power 5
Use of AC/DC power adapter: 5
Battery operation: 6
Auto Power Off: 6
Jacks and Accessories 6
Using headphones or external speakers: 6
Connecting a microphone: 6
Basic Operation 7
Power and Volume 7
Power control: 7
Adjustment of the Master Volume: 7
Tone 7
Tone Selection: 7
Effect & Control 8
Sustain: 8
Vibrato: 8
Transpose: 8
Panel Percussion Instruments: 9
Rhythm 9
Selecting the rhythm: 9
Start / Stop: 9
Sync: 10
Fill in: 10
Rhythm Volume Adjustment: 10

Tempo Adjustment: 11
Chord Accompaniment 11
Single Finger Chords: 11
Fingered Chords: 11
Chord Off: 12
Recording Function 12
Demo Song Playback 13
Teaching Modes 13
LEARN 1: 13
LEARN 2: 13
Appendix I. Rhythm Table 14
Appendix II. Tone Table 15
Appendix III. Demo Song Table 16
Appendix IV. Troubleshooting 16
Appendix V. Chord Tables 17
Single Finger Chords 17
Fingered Chords 18
Appendix VI. Technical Specification 19
Product Disposal Instructions 20

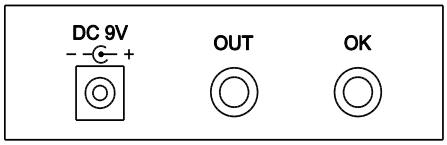
Front Panel and External Connections

Front Panel



1. Speaker
2. Power Switch
3. Master Volume
4. Rhythm Volume
5. Tempo
6. Transpose
7. Tone
8. Rhythm
9. Number Buttons
10. LCD Display
11. Sync
12. Fill In
13. Select
14. Demo
15. Start / Stop
16. Single Finger Chord
17. Fingered Chord
18. Chord Off
19. Vibrato
20. Sustain
21. Learn 2
22. Learn 1
23. Program
24. Playback
25. Record
26. Percussion
27. Chord Keyboard Area

External Connections

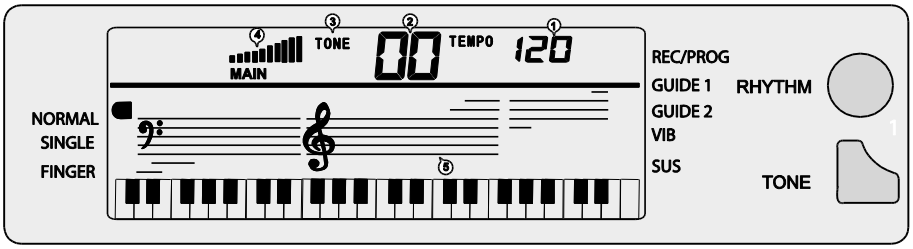


DC 9V - Power Input

OUT – Headphones/ External Speaker Output

OK - Microphone Input

LCD Display



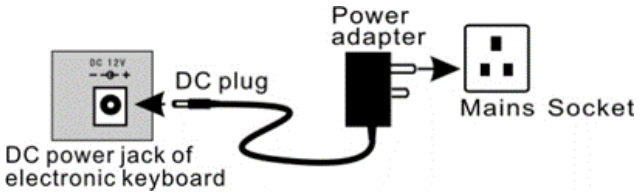
1. Speed value of rhythm and song (bpm)
2. Digital display of song, rhythm and tone number
3. TONE, RHYTHM or DEMO song
4. Volume level display
5. Staff display

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.

Auto Power Off:

The amplifier section of the keyboard will go into a low power standby mode if no key is pressed for 3 minutes. Press any key to come out of the low power mode. Note the keyboard will not enter the low power mode during demo song or rhythm playback.

Jacks and Accessories

Using headphones or external speakers:

Connect the 3.5mm headphone or external speaker plug into the [OUT] jack on the rear of the keyboard. The keyboard internal speakers will cut out. Note: Headphones and external speaker not supplied.

Connecting a microphone:

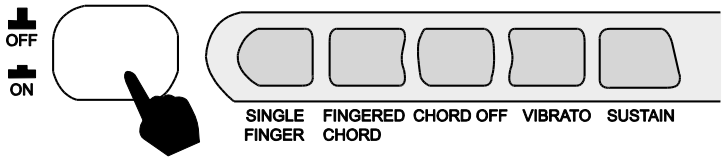
Connect the 3.5mm microphone plug into the [OK] jack on the rear of the keyboard. Sing along in time with the music. Note: Microphone not supplied.

Basic Operation

Power and Volume

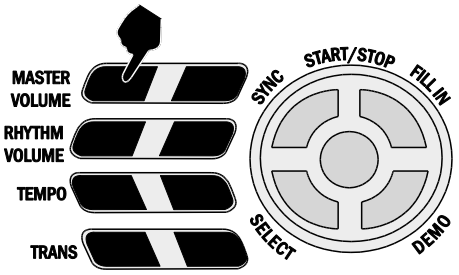
Power control:

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



Adjustment of the Master Volume:

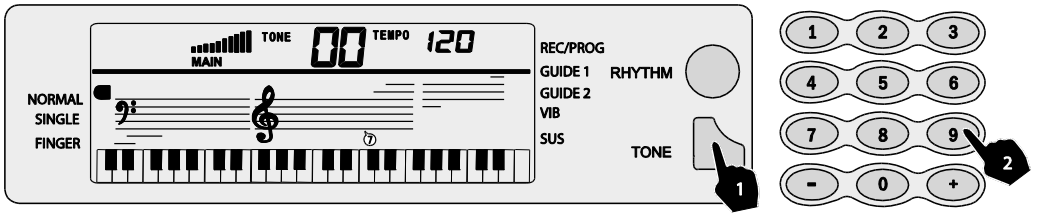
The keyboard has 10 levels of volume from 1 -10. The default volume level when powered on is set to level 7. To change the volume, press the [MASTER VOLUME +/-] buttons. The volume level is indicated by the bars on the LCD display. Pressing both the [MASTER VOLUME +/-] buttons at the same time will make the master volume return to the default level.



Tone

Tone Selection:

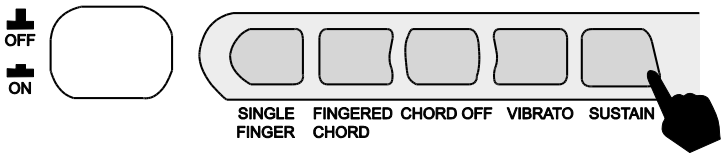
When the keyboard is first switched on the default status is TONE. To change the tone you can either press the + or - buttons on the numerical keypad or directly input the number of the tone you require by pressing the corresponding digits 0-9.



Effect & Control

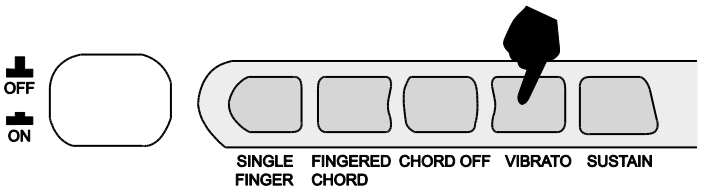
Sustain:

Press the [Sustain] button to enter Sustain mode. The LCD display will show a flag next to [SUS]. 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.



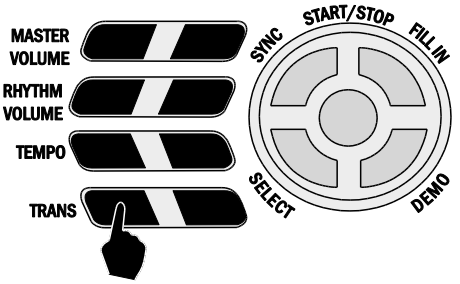
Vibrato:

Press the [Vibrato] button to enter Vibrato mode. The LCD display will show a flag next to [VIB]. 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.



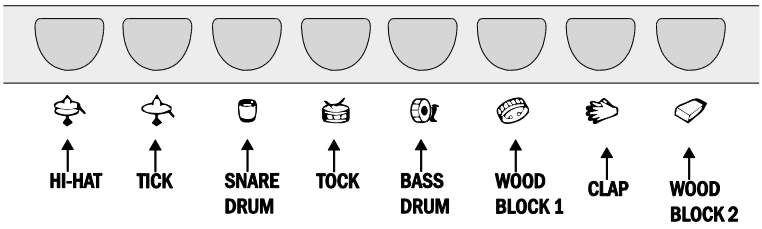
Transpose:

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.



Panel Percussion Instruments:

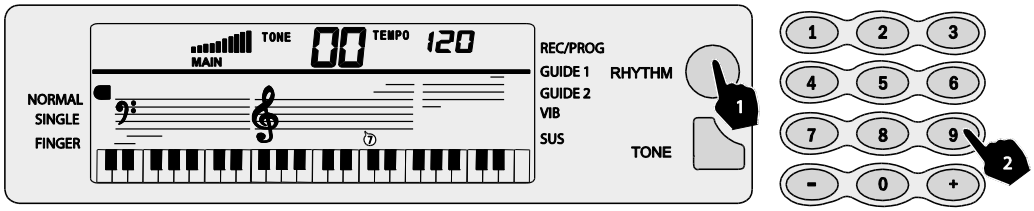
There are 8 kinds of percussion instruments to choose from. Press the corresponding button to sound the required instrument. You can use the percussion instruments to fill in your music and enhance the performance.



Rhythm

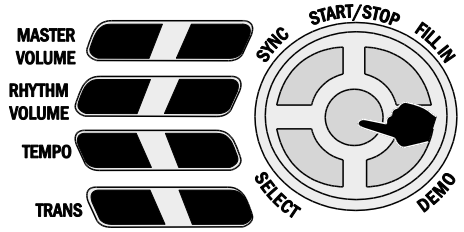
Selecting the rhythm:

You can choose from any of the 100 built in rhythms. Please refer to the appendix for the detailed rhythm table. Press the [RHYTHM] 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.



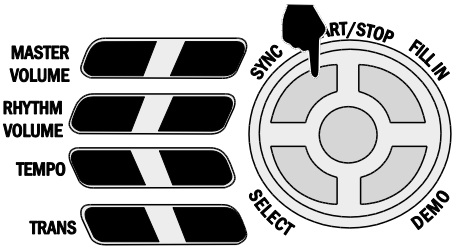
Start / Stop:

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



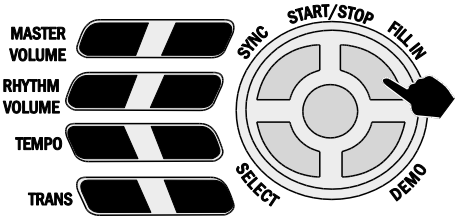
Sync:

Press the [SYNC] button to select the sync accompaniment function. Pressing any of the first 19 keys on the left hand side of the keyboard will start the rhythm playing. Press the [SYNC] button again to stop the rhythm and reset the sync function. Press the [SYNC] button again to exit the sync function.



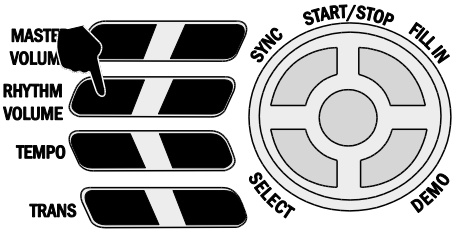
Fill in:

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.



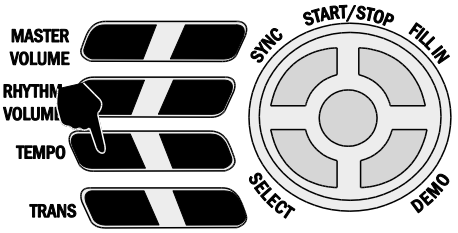
Rhythm Volume Adjustment:

The default Rhythm Volume is level 7; this can be adjusted by pressing the [RHYTHM 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 [RHYTHM VOLUME +/-] buttons at the same time will make the Rhythm Volume return to the default level.



Tempo Adjustment:

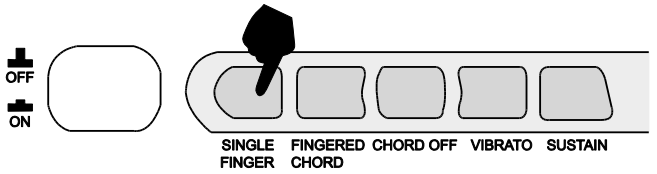
Press the [TEMPO +/-] buttons to adjust the playing tempo of the rhythm, metronome and demo song. The adjustment range is 40-240 bpm in 15 steps. Pressing both the [TEMPO +/-] buttons at the same time will make the tempo revert to 120 bpm.



Chord Accompaniment

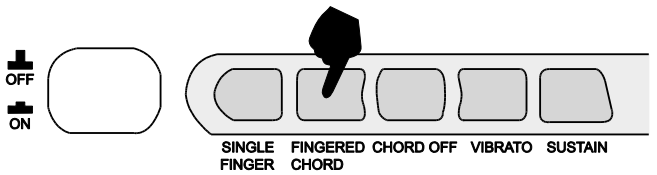
Single Finger Chords:

Press the [SINGLE FINGER] button to enter the single finger auto chord mode. A flag is displayed on the LCD next to SINGLE. 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.



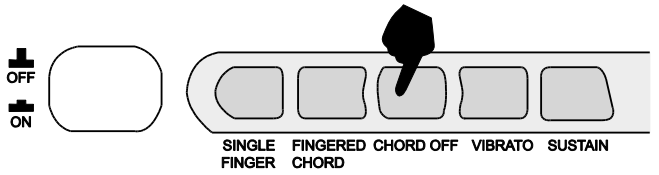
Fingered Chords:

Press the [FINGERED CHORD] button to enter the fingered auto chord mode. A flag is displayed on the LCD next to FINGER. 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. Press the [START / STOP] button to start or stop the chord accompaniment.



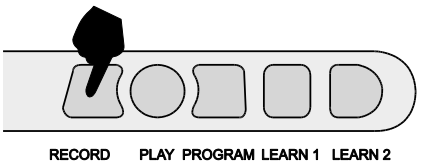
Chord Off:

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.

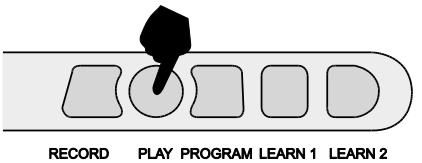


Recording Function

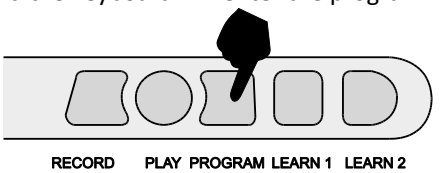
Press the [RECORD] button to enter the recording mode. The LCD display will show a flag next to REC/PROG. Press any key to start recording. The maximum recording capacity is 41 notes. Each time you press the [RECORD] button, the previous memory will be cleared and the keyboard will enter the recording mode again.



Before the memory becomes full, press the [PLAY] button to play back the recorded notes.

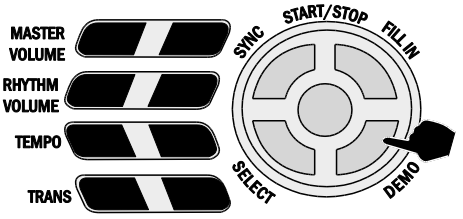


Press the [PROGRAM] button to enter the rhythm editing mode. The LCD display will show a flag next to REC/PROG. You can edit a section of rhythm by pressing any of the 8 kinds of panel percussion on the keyboard. The maximum recording length is 16 percussion sounds. Press the [PLAYBACK] button to hear the programmed sounds in sequence. You can also adjust the tempo for optimal effect. Each time you press the [PROGRAM] button the previous memory will be cleared and the keyboard will enter the programming mode again.



Demo Song Playback

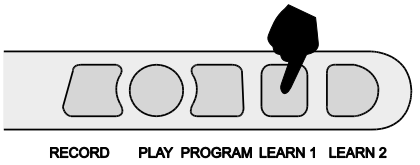
Press the [DEMO] button to play a demo song. The LCD display will show SONG [XX] where xx is the number of the demo song. By pressing the [SELECT] button repeatedly you can choose the demo song you require. There are 8 songs to choose from in total. The keyboard will finish playing the chosen song and then start to play the next song. Press the [DEMO] button again to exit the demo mode.



Teaching Modes

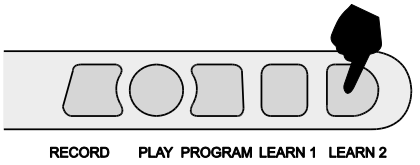
LEARN 1:

Press the [LEARN 1] button to enter the Single Key teaching mode. A flag next to GUIDE 1 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 [SELECT] key. The beat point will flash on the LCD display to indicate the tempo. The keyboard will then play the main melody automatically. The LCD will indicate which keys should be pressed.



LEARN 2:

Press the [LEARN 2] button to enter the Synchronised teaching mode. A flag next to GUIDE 2 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 [SELECT] key. The beat point will flash on the LCD display to indicate the tempo. The correct key to press is displayed on the LCD display. Play along in time making sure to press the correct keys.



Appendix I. Rhythm Table

No.	Name of Rhythm	No.	Name of Rhythm	No.	Name of Rhythm	No.	Name of Rhythm
00	Rumba	**25**	Classic Polka	**50**	Brazil Mambo	**75**	Jazz Rumba
01	Samba	**26**	Country Bossa nova	**51**	Europe 8 Beat	**76**	Jazz Samba
02	Disco	**27**	Hot Salsa	**52**	Country Cha Cha	**77**	Classic Disco
03	Tango	**28**	Pop 16 Beat	**53**	India blue Grass	**78**	Brazil Tango
04	Rock	**29**	Blue Leigui	**54**	Blue slow Rock	**79**	Europe Rock
05	Swing	**30**	Pop Mambo	**55**	Europe Rumba	**80**	Jazz Swing
06	Country	**31**	Pop 8 Beat	**56**	Rock Samba	**81**	Blue Country
07	waltz	**32**	Jazz Cha Cha	**57**	Rock Disco	**82**	Pop Waltz
08	Beguine	**33**	Emotion Pop	**58**	Classic Tango	**83**	Jazz Beguine
09	Latin	**34**	Country Rock	**59**	Unitary Rock	**84**	Pattern Latin
10	March polka	**35**	Blue Rumba	**60**	Europe Swing	**85**	Jazz Polka
11	Bossa nova	**36**	Classic Samba	**61**	Classic Country	**86**	Jazz Bossa nova
12	Salsa	**37**	Europe Disco	**62**	Argentina Waltz	**87**	Latin Salsa
13	16 Beat	**38**	Blue Tango	**63**	Rock Beguine	**88**	Jazz 16 Beat
14	Leigui	**39**	Emotion Rock	**64**	Jazz Latin	**89**	Pop Leigui
15	Mambo	**40**	Classic Swing	**65**	South Africa Polka	**90**	Jazz Mambo
16	8 Beat	**41**	South Africa Country	**66**	Pattern Bossa nova	**91**	Classic 8 Beat
17	Cha Cha	**42**	Country Waltz	**67**	Blue Salsa	**92**	Brazil Cha-Cha
18	Pop	**43**	Classic Beguine	**68**	16 Beat Swing	**93**	Blue Grass
19	Slow Rock	**44**	Brazil Latin	**69**	Europe Leigui	**94**	Jazz slow Rock
20	Blue Swing	**45**	Blue Polka	**70**	Pattern Mambo	**95**	Classic Rumba
21	Country Jazz	**46**	Mix Bossa nova	**71**	Jazz 8 Beat	**96**	Europe Samba
22	Classic Waltz	**47**	Rock Salsa	**72**	Blue Cha Cha	**97**	Jazz Disco
23	Blue Beguine	**48**	Unitary 16 Beat	**73**	Indonesia Dance	**98**	Jazz Tango
24	Rock Latin	**49**	Classic Leigui	**74**	Classic slow Rock	**99**	Blue Rock

Appendix II. Tone Table

No.	Name of Tone	No.	Name of Tone	No.	Name of Tone	No.	Name of Tone
00	Acoustic Grand Piano	**25**	Short E-Guitar	**50**	Sustain Harp	**75**	Bassoon
01	Electric Grand Piano	**26**	Fx 2	**51**	String Ensemble 3	**76**	Lead 4
02	Celesta	**27**	Fx 3	**52**	Tuba	**77**	Pad 4
03	Vibraphone	**28**	Synth Bass 2	**53**	Synth Brass 3	**78**	Fx 7
04	Jazz E-Guitar	**29**	Sustain Ocarina	**54**	Middle Sax	**79**	Lead 5
05	Muted E-Guitar	**30**	Vib Harp	**55**	Sustain Clarinet	**80**	Echo Piano
06	Acoustic Bass	**31**	String Ensemble 2	**56**	Lead 3	**81**	Bright Piano
07	Electric Guitar	**32**	Trombone	**57**	Pad 3	**82**	Short Celesta
08	Synth Bass 1	**33**	Synth Brass 2	**58**	Sustain Koto	**83**	Bright Vibraphone
09	Ocarina	**34**	Soprano Sax	**59**	Kalimba	**84**	Jazz Guitar 2
10	Harp	**35**	Vib Clarinet	**60**	Fx 4	**85**	Clean E-Guitar
11	String Ensemble 1	**36**	Lead 2	**61**	Sustain E-Piano	**86**	Acoustic Bass(finger)
12	Trumpet	**37**	Pad 2	**62**	Echo Celesta	**87**	Vib E-Bass
13	Synth Brass 1	**38**	Sitar	**63**	Fx 5	**88**	Synth Bass 5
14	Alto Sax	**39**	Short Shanai	**64**	Fretless Bass	**89**	Short Ocarina
15	Clarinet	**40**	Echo Violin	**65**	Baritone E-Guitar	**90**	Bright Harp
16	Lead 1	**41**	Vib E-Piano	**66**	Acoustic Bass(pick)	**91**	String Ensemble 5
17	Pad 1	**42**	Bright Celesta	**67**	Baritone E-Bass	**92**	Echo Trumpet
18	Koto	**43**	Sustain Vibraphone	**68**	Synth Bass 4	**93**	Synth Brass 5
19	Shanai	**44**	Wood Bass	**69**	Fx 6	**94**	Tenor Sax
20	Violin	**45**	Sustain E-Guitar	**70**	Echo Harp	**95**	Fx 8
21	Piccolo	**46**	Echo Acoustic Bass	**71**	String Ensemble 4	**96**	Lead 6
22	Sustain Celesta	**47**	Sustain E-Bass	**72**	French Horn	**97**	Pad 5
23	Fx 1	**48**	Synth Bass 3	**73**	Synth Brass 4	**98**	Banjo
24	Vib Viola	**49**	Whistle	**74**	Baritone Sax	**99**	Vib Shanai

Appendix III. Demo Song Table

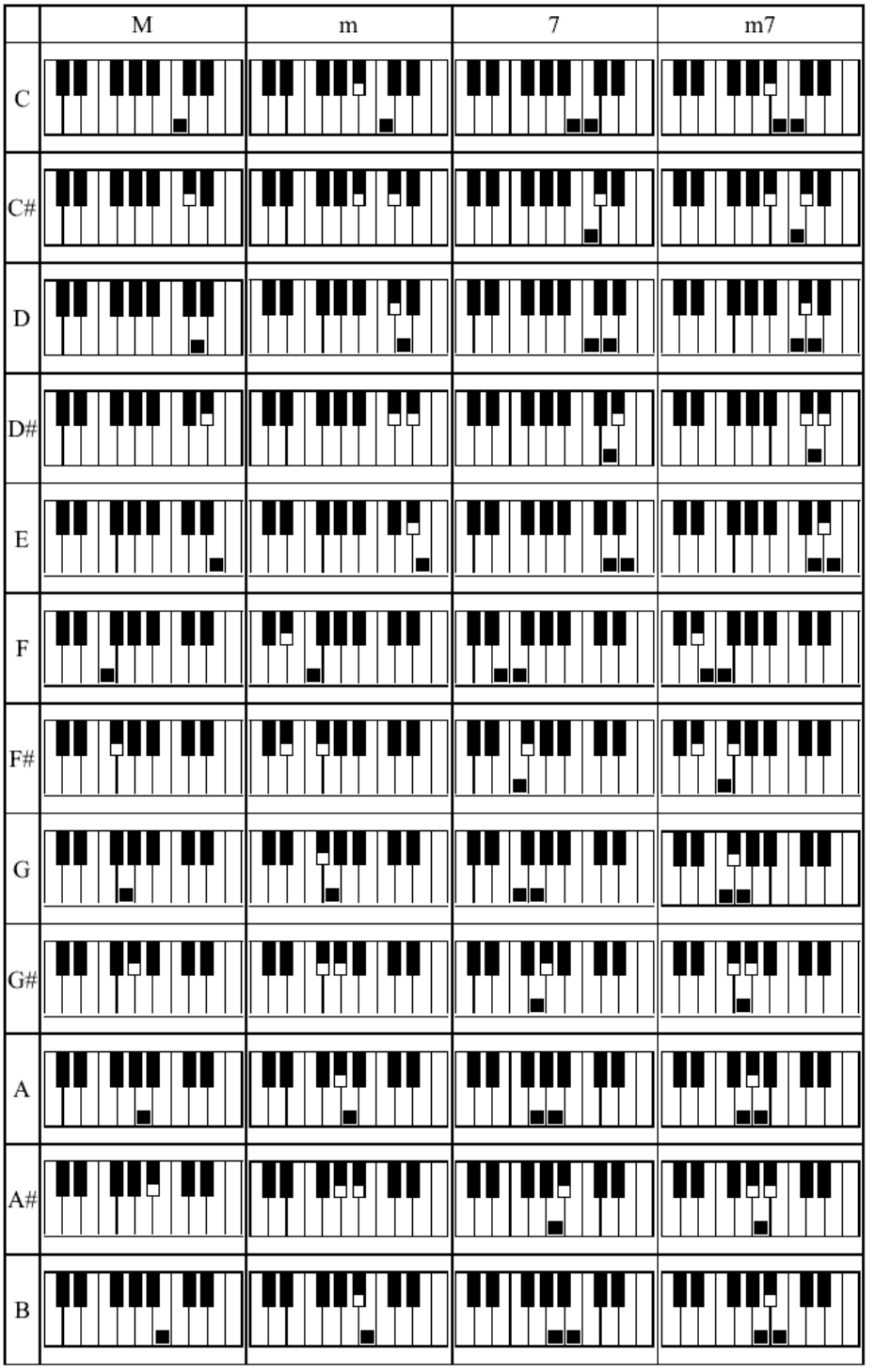
No.	Name of Song	No.	Name of Song
01	Horse Race	**05**	My Heart Must Go On
02	Flying Song on the Earth	**06**	Unchained Melody
03	The Girls from TianZhu	**07**	Roundabout Moon
04	Toasting Song	**08**	Hang with Hand

Appendix IV. Troubleshooting

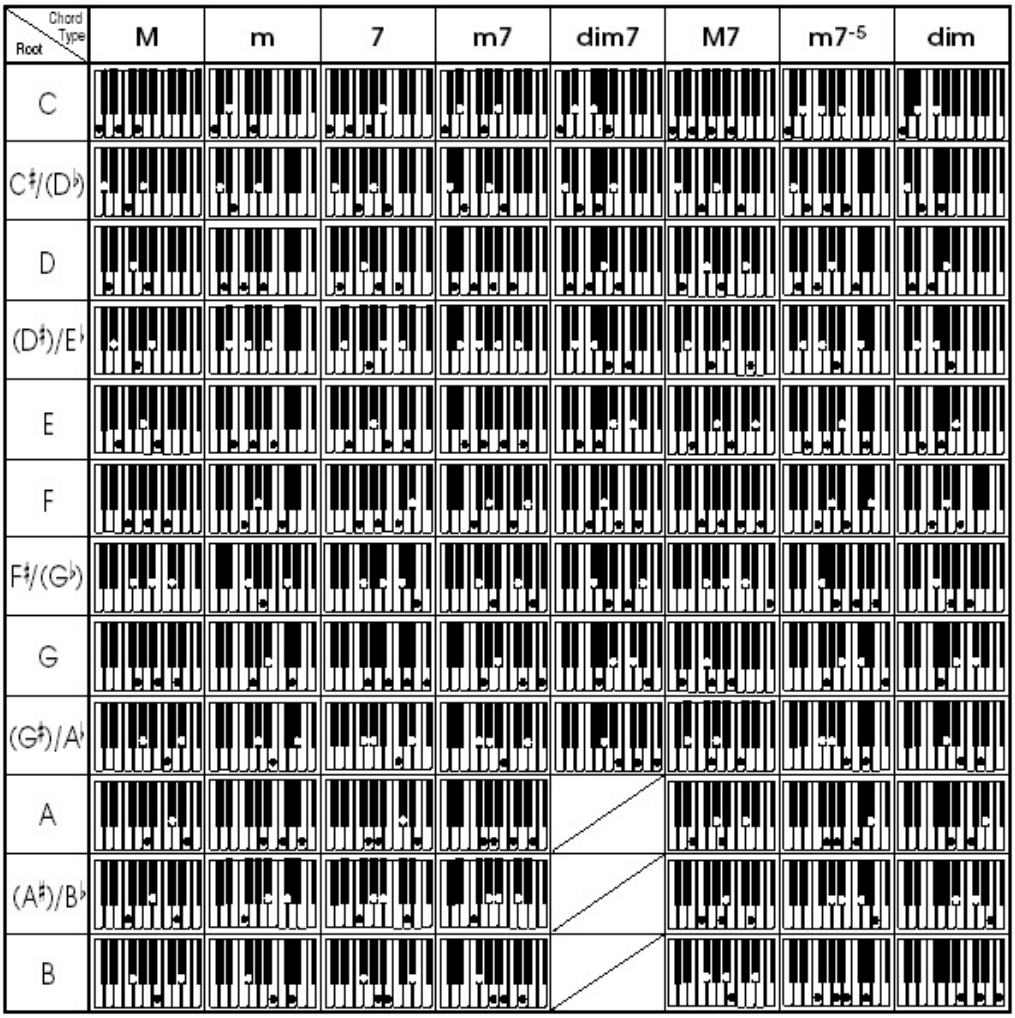
Trouble	Possible Reason / Solution
A slight noise is heard when turning the power on or off.	This is normal and nothing to worry about.
After turning the power on to the keyboard there was no sound when the keys were pressed.	Check the master volume is set to the correct volume. Check that headphones 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 hand side of the keyboard.
The pitch of the note is not correct.	Check that the transpose is set to 00.
The keyboard appears to switch itself off.	This is the power saving feature in operation. See page 6.

Appendix V. Chord Tables

Single Finger Chords



Fingered Chords



Appendix VI. Technical Specification

- **Display**
  LCD Display with Staff and Key Indication
- **Tone**
  100 different tones
- **Rhythm**
  100 different rhythms
- **Demo**
  8 different demo songs
- **Effect Control**
  Sustain, Vibrato, Transpose
- **Recording and Programming**
  41 Note Record Memory, Playback, 16 Beat Rhythm Programming
- **Percussion**
  8 Kinds of panel percussion instruments
- **Accompaniment Control**
  Start / Stop, Sync, Fill-in, Tempo
- **Intelligent Teaching**
  2 Teaching modes
- **External Jacks**
  DC 9V Power Input, Headphone/ External Speaker Output, Microphone Input
- **Diapason (Range of Keyboard)**
  C2- F6
- **Intonation**
  <3cent
- **Weight**
  3.9kg
- **DC Input**
  DC9V
- **Power Adapter**
  DC9V, 500mA
- **Output Power**
  3W x 2
- **Accessories**
  Power Adapter, Music Stand, User Guide

Product Disposal Instructions

The symbol shown here and on the product means that the product is classed as Electrical or Electronic Equipment and should not be disposed with other household or commercial waste at the end of its working life. The Waste Electrical and Electronic Equipment (WEEE) Directive (2012/19/EU) has been put in place to encourage the recycling of products using best available recovery and recycling techniques to minimise the impact on the environment, treat any hazardous substances and avoid the increase of landfill.

When you have no further use for this product, please dispose of it using your local authority's recycling processes. For more information please contact your local authority or the retailer where the product was purchased.

PDT Ltd.
Unit 4B Greengate Industrial Estate,
White Moss View,
Middleton,
Manchester
M24 1UN

info@pdtuk.com

Copyright PDT Ltd. © 2020