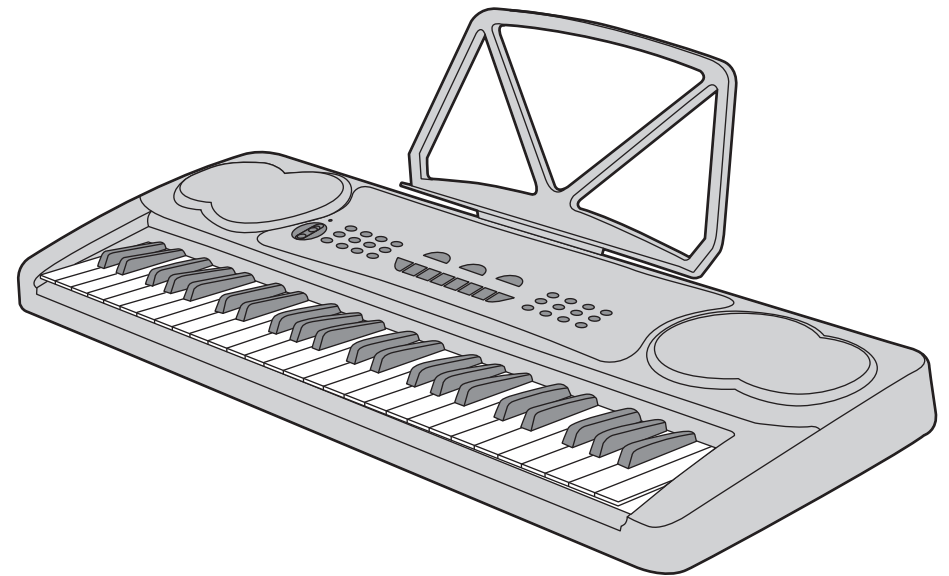




Instruction Manual - Please keep for future reference

Acoustic Solutions Mini Silver Keyboard



IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before use and keep for future reference.



WARNING - To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.



CAUTION - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

PRECAUTIONS

To Maintain Optimum Performance

Do not use the unit in places which are extremely hot, cold, dusty or humid. Do not use or keep the unit in following places.

- In a high humidity area such as a bathroom or near a heater.
- In an area exposed to direct sunlight (where it can become extremely hot).
- Near sources of strong magnetism, such as televisions, speakers, or magnets.
- Where there is a lot of movement, vibration or an unstable shelf.

For safety

- Take care not to drop the unit or subject it to strong shocks.

Children

- Children do not understand the dangers associated with operating electrical appliances. Never allow children to use this appliance.

Mains Lead

- If this unit has a mains lead or is connected with a mains adaptor do not allow the lead to become strained or damaged as it creates a hazard.

Ventilation Warning

- Do not allow water or liquids to splash onto the main body as it contains live parts.
- Do not cover the body with a cloth and allow the unit to be well ventilated.

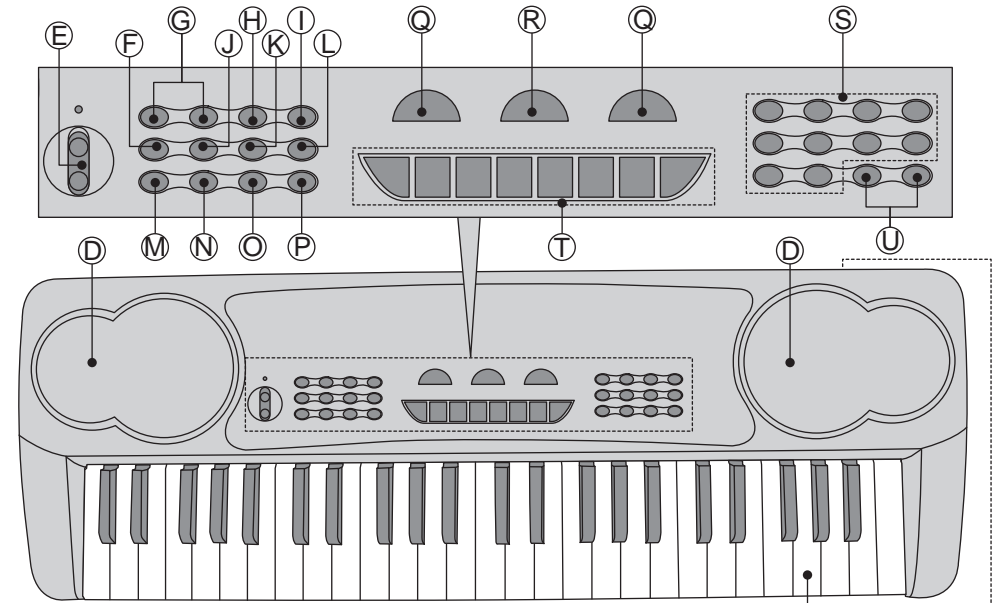


Electrical Requirements

Check that the voltage on the rating plate of your product corresponds with your house electricity supply which must be A.C. (Alternating Current).

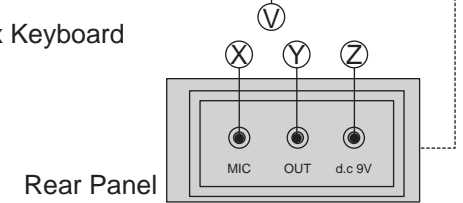
If the socket outlets in your home are not suitable for the plug supplied with this product, check with a qualified electrician for replacement.

Know Your Machine	3
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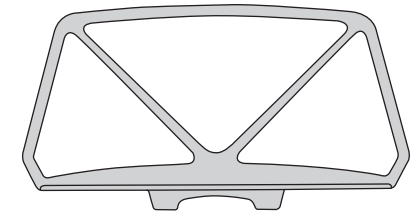


- Ⓓ Loudspeakers
- Ⓔ Power Switch
- Ⓕ Fill-In
- Ⓖ Volume
- Ⓗ Single Finger Chord
- Ⓘ Fingered Chord
- Ⓙ Record
- Ⓚ Playback/Effect
- Ⓛ Rhythm Programming
- Ⓜ Stop
- Ⓝ One Key
- Ⓞ Guide
- Ⓟ Demo
- Ⓠ Timbre
- Ⓡ Percussion/Timbre Shift
- Ⓢ Rhythm
- Ⓣ Percussion Keys/Timbre Keys
- Ⓤ Tempo
- Ⓥ Chord Keys
- Ⓧ Mic In
- Ⓨ Audio Out
- Ⓩ D.C. In

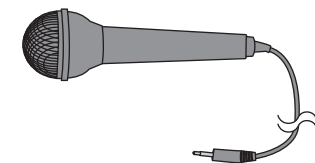
Ⓐ 1 x Keyboard



Rear Panel



Ⓑ 1 x Music Stand



Ⓒ 1 x Microphone

USING WITH BATTERIES



NOTES:

- Please read the important safety instructions before use.

1. Open the battery compartment. See fig. 1
2. Insert six new AA size batteries with the ⊕ and ⊖ marks correctly aligned. See fig. 2
3. Carefully slide the battery door closed. See fig. 3

Battery replacement

- When the battery voltage drops, there will be a reduction in performance which might include low sound, distortion, or failure of the digital display to light. If this happens, turn off the power, ensure the unit is unplugged from the mains and replace with a new set of batteries.

Note on batteries:

- Do not mix different types of batteries or an old battery with a new one.
- To prevent the risk of leakage or explosions, never recharge the batteries, apply heat or take them apart.
- When not using batteries, remove them to prevent battery drain.
- If liquid leaks from the batteries, throw them away. Thoroughly clean the battery compartment with a dry cloth.

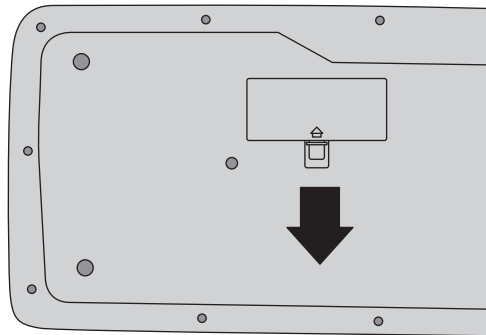


fig. 1

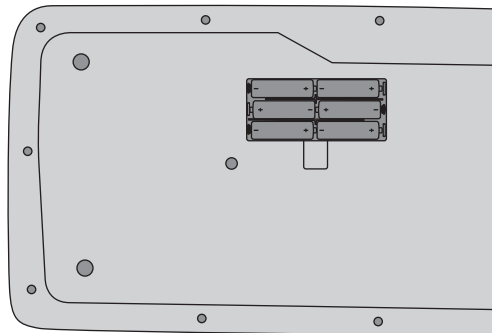


fig. 2

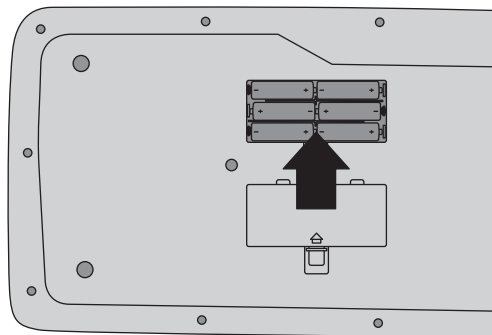


fig. 3

USING WITH AC/DC ADAPTOR



NOTES:

- Before connecting to the mains make sure that the rated voltage shown on the rear panel matches your mains voltage supply.

NOTE: Make sure your local voltage is 230V/240V~, 50Hz.

Using with AC/DC Adaptor

1. Plug the Adaptor (not supplied) into the power supply and insert the jack into the DC In Ⓢ. See fig. 4



WARNING

Recommendation on the AC/DC adaptor :

- Input : 230V~ 50Hz
- Output : DC 9V
- Only a safety isolating transformer with CE marking that complies with British Standard BS EN 61588-1 and BS EN 61588-2-6 as giving presumption of compliance with the essential requirements in the Low Voltage Directive 73/23/EEC amended by 93/68/EEC should be used. In case of any doubt, please consult a qualified electrical professional.

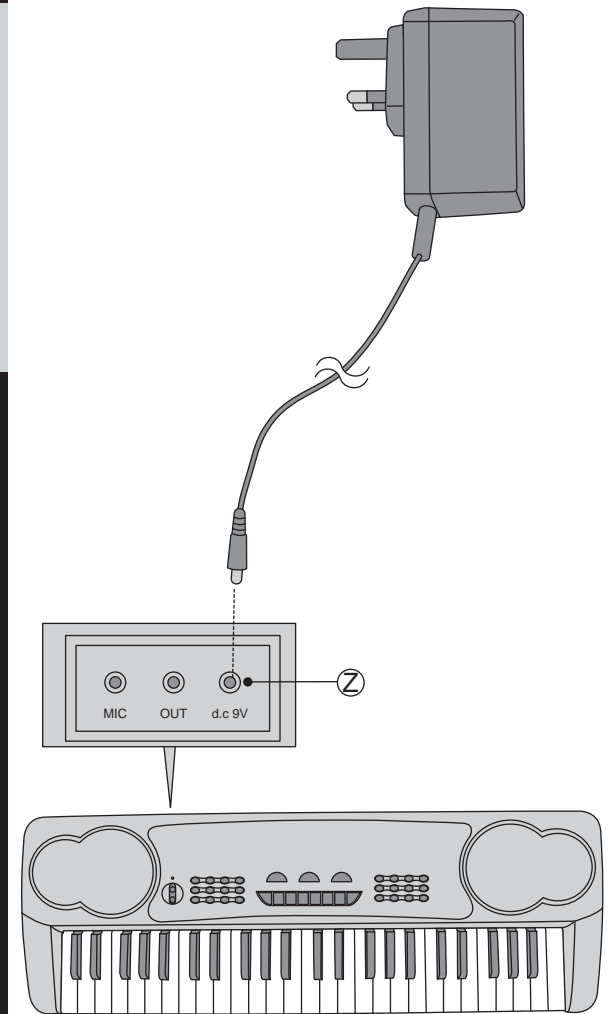
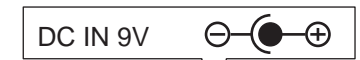
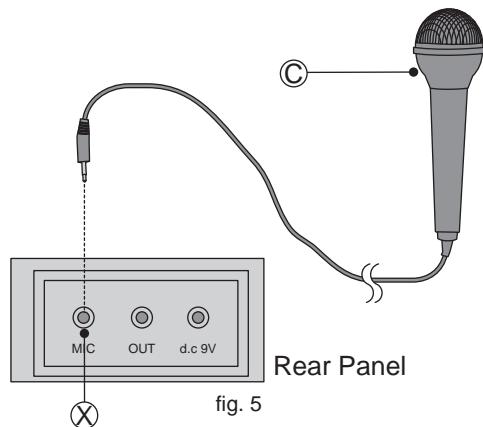


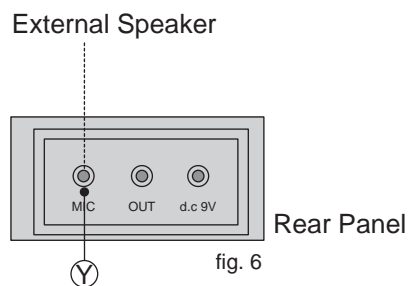
fig. 4

Microphone / External Speaker

1. Plug Microphone (C) into Mic In (X) to sing as you play.
See fig. 5

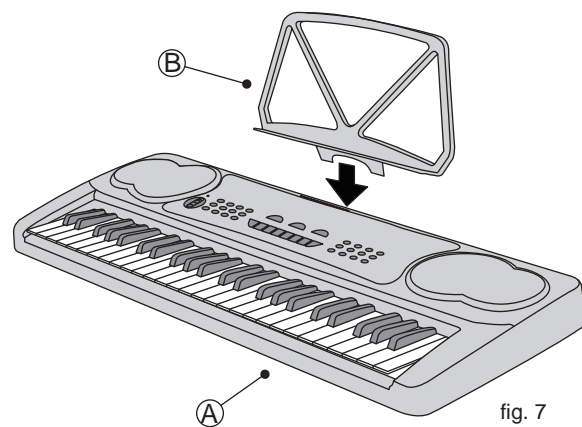


2. You can connect external speakers to the Audio Out (Y) at the rear of the unit.
See fig. 6



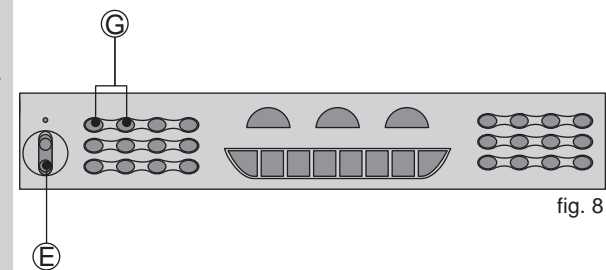
Before Using

- Place the Music Stand (B) securely onto the Keyboard (A).
See fig. 7



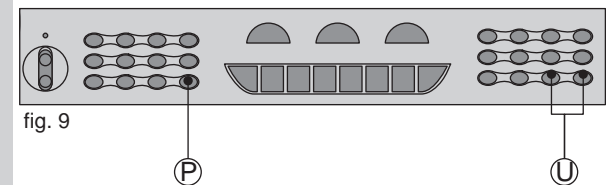
Basic Operation

- Set the Power Switch (E) to "ON" position. Power indicator comes on and you can start to play. After 3 minutes' inactivity the instrument goes into power saving mode. Just touch any key to restart. Press Volume (G) for 16-level volume control.
See fig. 8

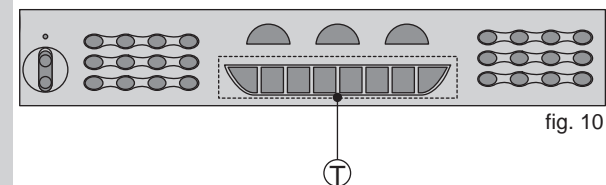


Demonstration Songs and Percussion

1. Press Demo (P) to play the first demonstration song. Press the button again to continue. You can change the tempo by pressing Tempo (U). Press Stop (M) or any other function button to quit this function. (There are 6 demonstration songs for you to choose.)
See fig. 9



2. Press Percussion Keys (T) to select percussion sounds.
See fig. 10



BASIC OPERATION

Selection of Timbres

- When you turn on the keyboard, the default choice is piano timbre.

1. Press Timbre **Q** to choose timbres from No.1 to 8. Press the other Timbre **Q** to select timbres 9 to 16. (Press one button for one timbre).

See fig. 11

2. Press Percussion/Timbre Shift **R** to change percussion function to timbre function. Then choose the relative timbre keys from 1 to 8. Press the Percussion/Timbre Shift **R** again to choose the relative timbres 9 to 16.

See fig. 12

TIMBRE LIST

01 PIANO	02 HARP	03 ORGAN	04 BELL	05 J-GUITAR
06 VIOLIN	07 STRING	08 GUITAR	09 TRUMPET	10 TUBA
11 E BASS	12 SAXOPHONE	13 FLUTE	14 BANJO	15 OBOE
16 HORN				

3. Press Playback / Effect **K** to choose reverb, echo or vibrato for enhanced effect.

See fig. 13

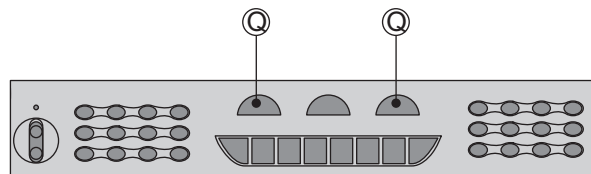


fig. 11

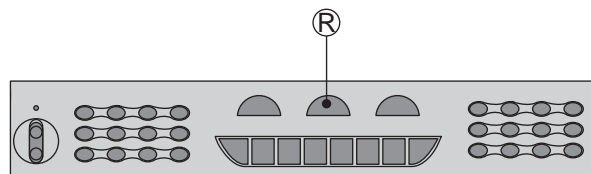


fig. 12

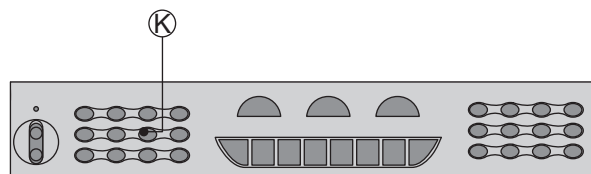


fig. 13

BASIC OPERATION

Auto Rhythms and Rhythm Programming

1. Press one Rhythm **S** key for automatic rhythm. Press Tempo **U** for 32-level tempo control.

See fig. 14

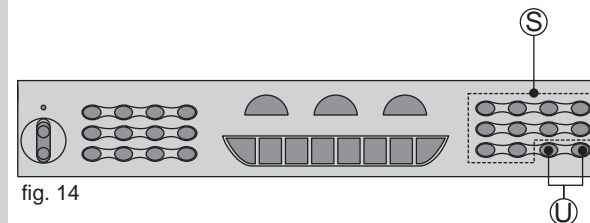


fig. 14

RHYTHM LIST

01 DISCO	02 8 BEAT	03 ROCK + ROLL	04 RHUMBA	05 TANGO
06 MARCH	07 COUNTRY	08 BOSSA NOVA	09 WALTZ	10 CHA-CHA

2. In rhythm mode, press Fill-In **F** to add 1-2 bars of special sound.

See fig. 15

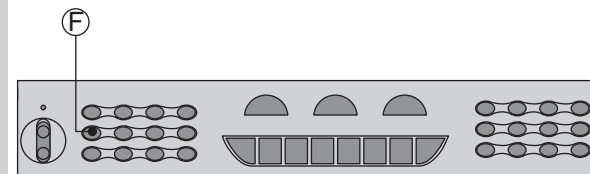


fig. 15

3. After pressing Rhythm Programming **L**, press percussion buttons to edit your chosen group of rhythms (16 percussion sounds can be stored in the RAM). Press the Playback/Effect **K**, to hear percussion rhythms. To re-program, please repeat the above steps.

See fig. 16

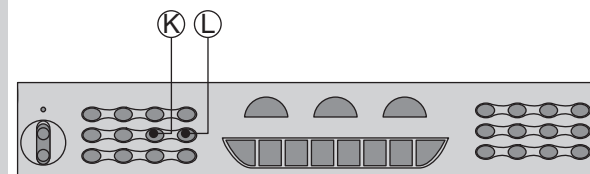


fig. 16

4. Press Stop **M** or any other function button to quit this function.

See fig. 17

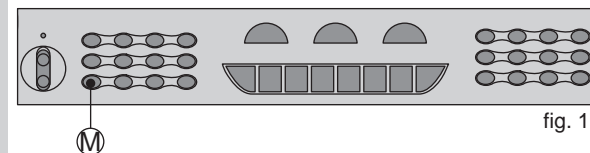


fig. 17

BASIC OPERATION

Record / Playback

- To enter recording mode press Record (J). Notes played will be recorded in the memory (up to a maximum of 40). Press Playback/Effect (K), to play stored notes. To listen again, just press Playback/Effect (K) again. For a new recording, please repeat the above steps. Press Stop (M), to quit the function. **See fig. 18**

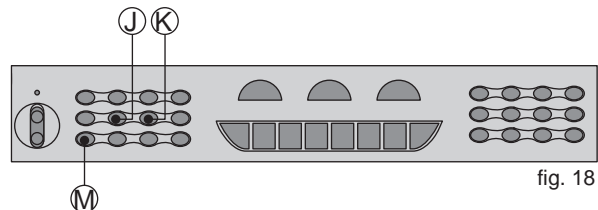


fig. 18

Guide Function

1. Press the Guide (O) and then press the white key to select the melody in performance. The main melody will then be masked but is restored if you don't play for three seconds. **See fig. 19**
2. Press One Key (N) and then press the white key to select a melody in one key one note mode. Press any key to perform the main melody with the accompaniment repeated. **See fig. 20**
3. Press Percussion (T) to practise percussion while music is playing. Press Stop (M) to quit this function. **See fig. 21**

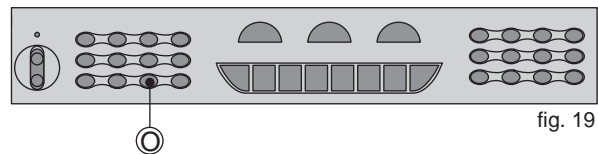


fig. 19

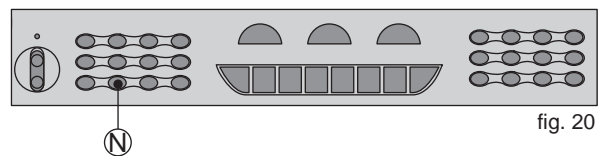


fig. 20

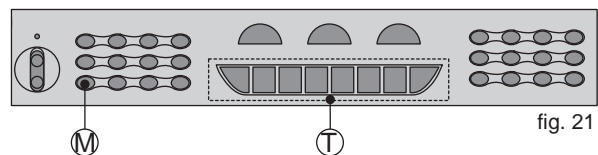


fig. 21

BASIC OPERATION

Chord

1. When the rhythm starts, press Single Finger Chord (H) and you can accompany the single finger chord according to the different fingering in the chord-key part (Keys 1-18). The fingering is shown as Fig. 24. **See fig. 22 and 24**
2. When the rhythm starts, press Fingered Chord (I) button and you can carry accompanying the fingered chord according to the different fingering in the chord-key part. The fingering is shown as Fig. 25. **See fig. 23 and 25**

CHORD FINGERING:

1. Single Finger Method (S.F)

Finger Principle:

1. **Major chord:** press keynote key only.
2. **Minor chord:** press keynote key and any black key on the left simultaneously.
3. **C7-seventh:** press keynote key and any white key on the left simultaneously.
4. **Minor seventh:** press keynote key and one black key and one white key on the left simultaneously. **See fig. 24**

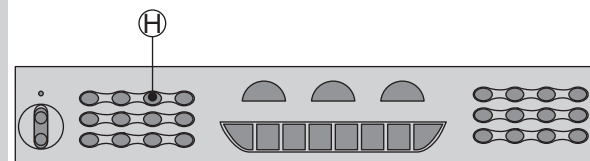


fig. 22

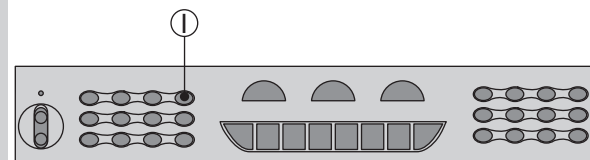


fig. 23

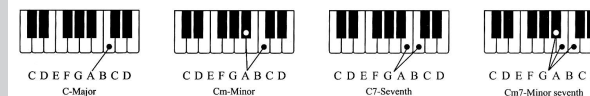


fig. 24

2. Fingered Chord Method (F.C.): Finger Principle (F.C.):

1. Finger is the same relative position as the chord.
2. Locomotion chord is different from the finger chord, but the changing result is the same. **See fig. 25**

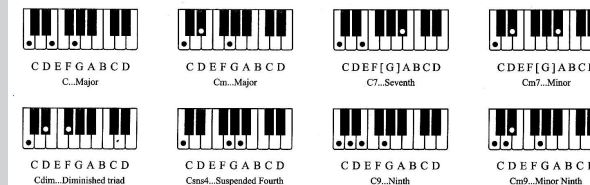


fig. 25

SPECIFICATIONS

Technical Data

Model no.	MK-4100
Rhythm	10
Timbres	16
Keyboard	49 Style Piano Keys
Chord	Single Finger & Fingered Chords
Tone Area	C2-C6
Tone Quality	< 3 Cents
Dimension	740X260X95 (mm)
Weight	1.95 Kg
Rated Voltage	DC 9V
Power Output	>2X4W



PRODUCT GUARANTEE

This product is guaranteed against manufacturing defects for a period of



This product is guaranteed for twelve months from the date of original purchase. Any defect that arises due to faulty materials or workmanship will either be replaced, refunded or repaired free of charge where possible during this period by the dealer from whom you purchased the unit.

The guarantee is subject to the following provisions:

- The guarantee does not cover accidental damage, misuse, cabinet parts, knobs or consumable items.
- The product must be correctly installed and operated in accordance with the instructions contained in this manual.
- It must be used solely for domestic purpose.
- The guarantee will be rendered invalid if the product is re-sold or has been damaged by inexpert repair.
- Specifications are subject to change without notice.
- The manufacturer disclaims any liability for the incidental or consequential damages.
- The guarantee is in addition to, and does not diminish your statutory or legal rights.

Guarantor: Argos Ltd
489 - 499 Avebury Boulevard
Central Milton Keynes
MK9 2NW