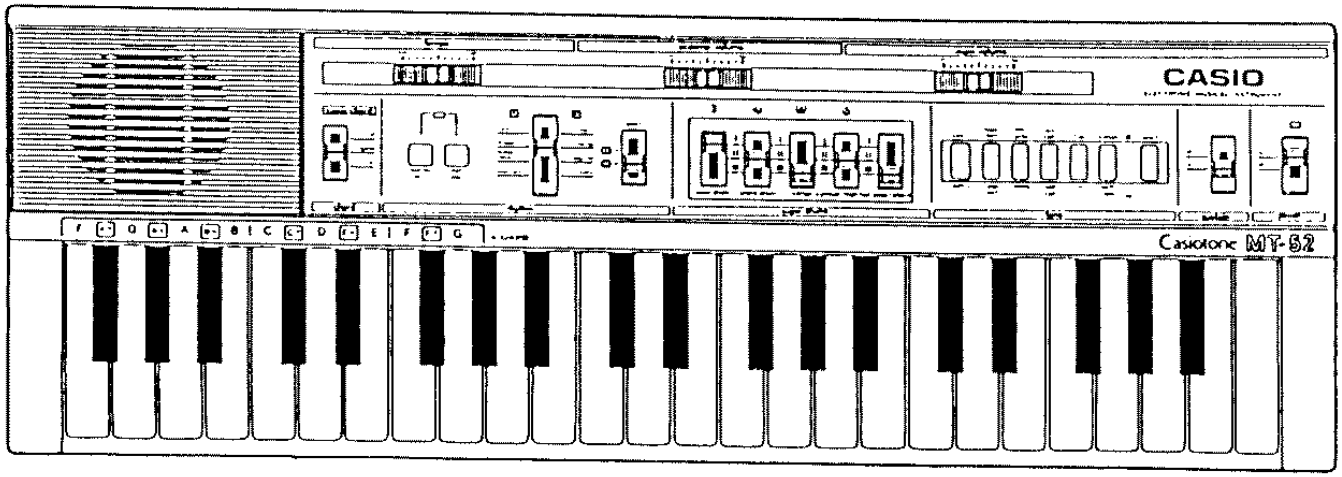
Casiotone MT-52

SPARE PAI

Operation Manual..... 1

Manual de Operación....17



(英)(西)

CASIO

Casiotone MT-52

ELECTRONIC MUSICAL INSTRUMENT

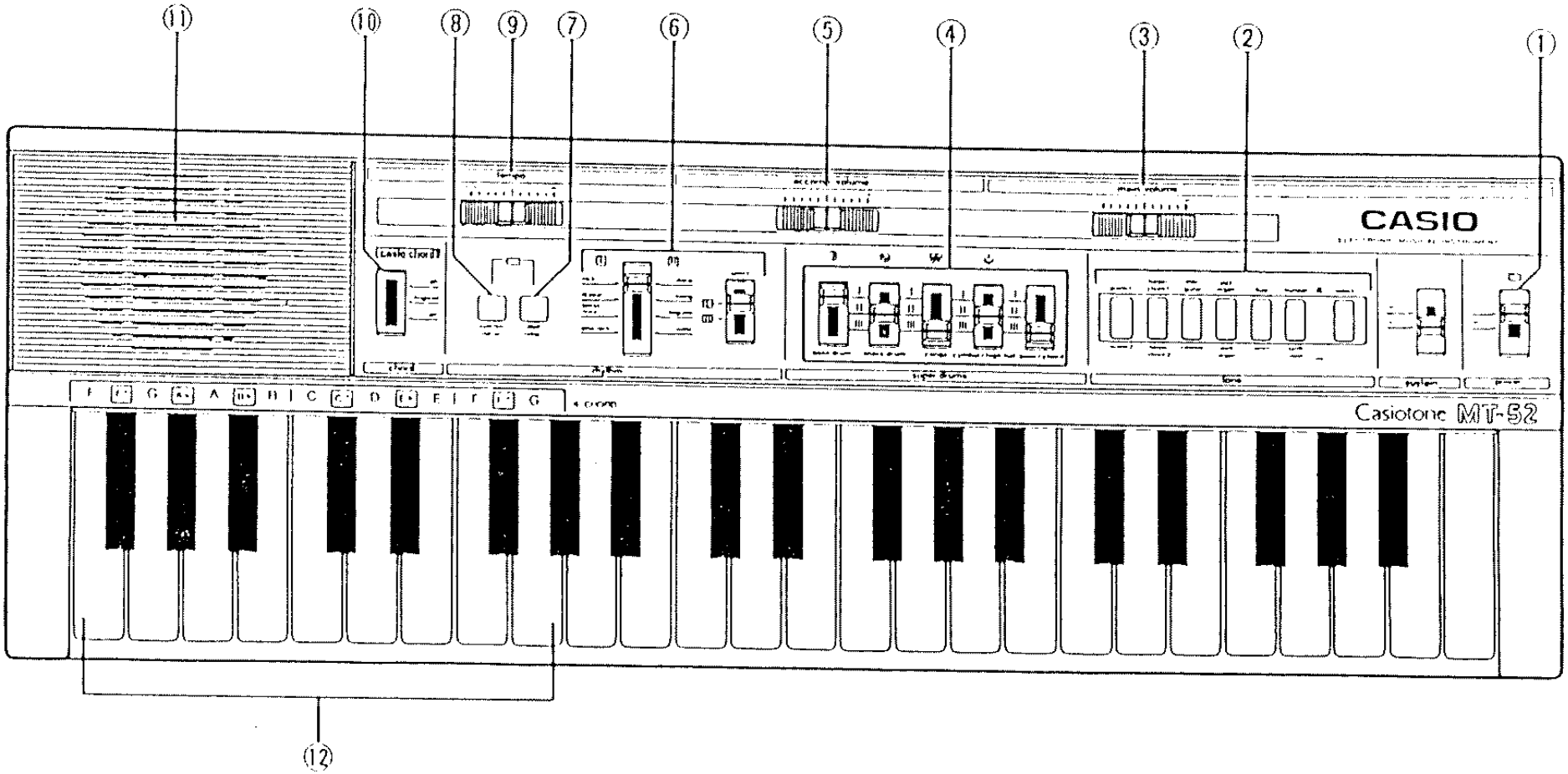
Thank you for purchasing the Casiotone MT-52. This new instrument has a variety of musical features in its compact body, offering happy times for everyone.

***12 preset timbres**	Select your timbre according to the music you want to play.
***8 auto-rhythms**	Select a rhythm pattern that matches your music best.
***Super drums**	Each drum (bass drum, snare drum, conga, cymbal/high hat, bass/chord) can be produced in 3 patterns for the rhythm you've selected.
***Casio Chord**	Auto-accompaniment will back up any melodies perfectly in combination with the auto-rhythm.

Contents

1. General guide	3
2. Power supply	5
3. Preset timbres & Sound effect	6
4. Auto-rhythm & Super drums	7
5. Auto-accompaniment	9
6. Care of your unit	12
7. Troubleshooting	13
8. Specifications	14

1 General guide



①Power switch

②Preset timbre selectors
Used to select one of 12 preset timbres.

③Main volume control
Used to control the overall volume of melody, rhythm, chord and bass.

④Super drums
Used to select a drum beat pattern that matches your music best. Setting is done after selecting one auto-rhythm.

⑤Accompaniment volume control
Used to control the volume of rhythm, chord and bass only.

⑥Rhythm selectors
Used to select one of 8 auto-rhythms.

⑦Start/Stop button
Used to start and stop rhythm sound.

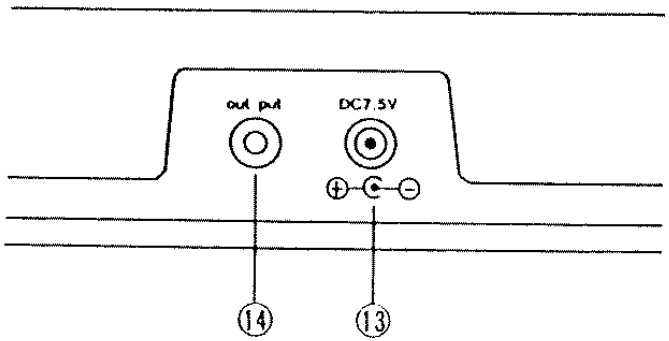
⑧Synchro/Fill-in button
Used to start rhythm, chord and bass simultaneously, the instant you play the accompaniment keyboard. Also used to insert a fill-in (rhythm grace) during the music.

⑨Tempo control
Used to control the tempo of auto-rhythm, auto-accompaniment.

⑩Casio Chord switch
Used to turn the auto-accompaniment on and off.

⑪Built-in speaker

⑫Accompaniment keyboard
Becomes keyboard for playing chords when Casio Chord switch (⑩) is set to 'fingered' or 'on'.



⑬Adaptor jack
For connection of AC adaptor (AD-1) or car adaptor (CA-1).

⑭Output jack
For connection of headphone or keyboard amp speaker.

2 Power supply

Both AC and DC power supplies are available.

DC power

• Dry batteries

This unit works on five size AA (SUM-1) manganese dry batteries. Weakened batteries will result in lower volume or poor tonal quality. The power indicator lamp will gradually lose its brightness when the battery power weakens. At this time change batteries or shift to the power sources mentioned below.

• Battery replacement

1. Slide open battery compartment cover on the bottom of unit and remove used batteries.
2. Insert new batteries taking care that polarity is correct.

* Replace all five batteries to ensure longer battery life.
* See specifications for battery capacity.

• Car battery

With a car battery adaptor (CA-1, optional), the unit can be powered with DC power from a car battery through a cigarette lighter socket.

AC power

To connect the unit to an AC outlet, an AC adaptor (AD-1, optional) is required. Use only an adaptor with the same voltage rating (100, 117, 220 or 240V) as the power supply specified for your area to prevent component damage.

* Remove batteries when the unit is not used for extended periods.
(Battery leakage can damage electrical parts.)

• Auto power-off function

An automatic power cut-off function cuts off power approximately 6 minutes after the last key operation. Power supply can be resumed by switching the power switch off and then on again.

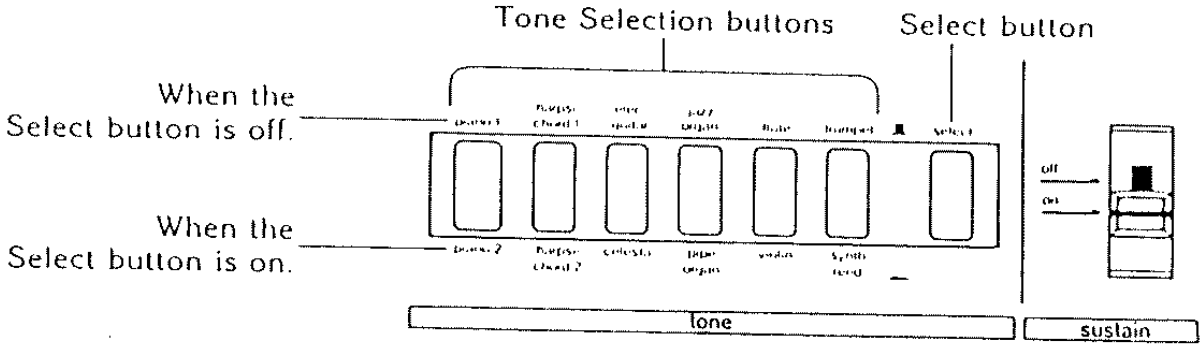
• Caution

* Only use the CASIO AC adaptor specified for this unit.
* Under normal use, the AC adaptor will become warm. Disconnect the adaptor whenever possible, especially if not used for extended periods.

• Misuse that may cause batteries to burst.

1. Use of an AC adaptor other than a Casio adaptor.
2. Inserting batteries with their polarities reversed.

3 Preset sounds & Sound effects



- **Selecting a preset instrumental sound**

  Select one of 12 instrumental sounds by pressing the corresponding button. Two instruments are available for each button according to whether the Select button is depressed or released.

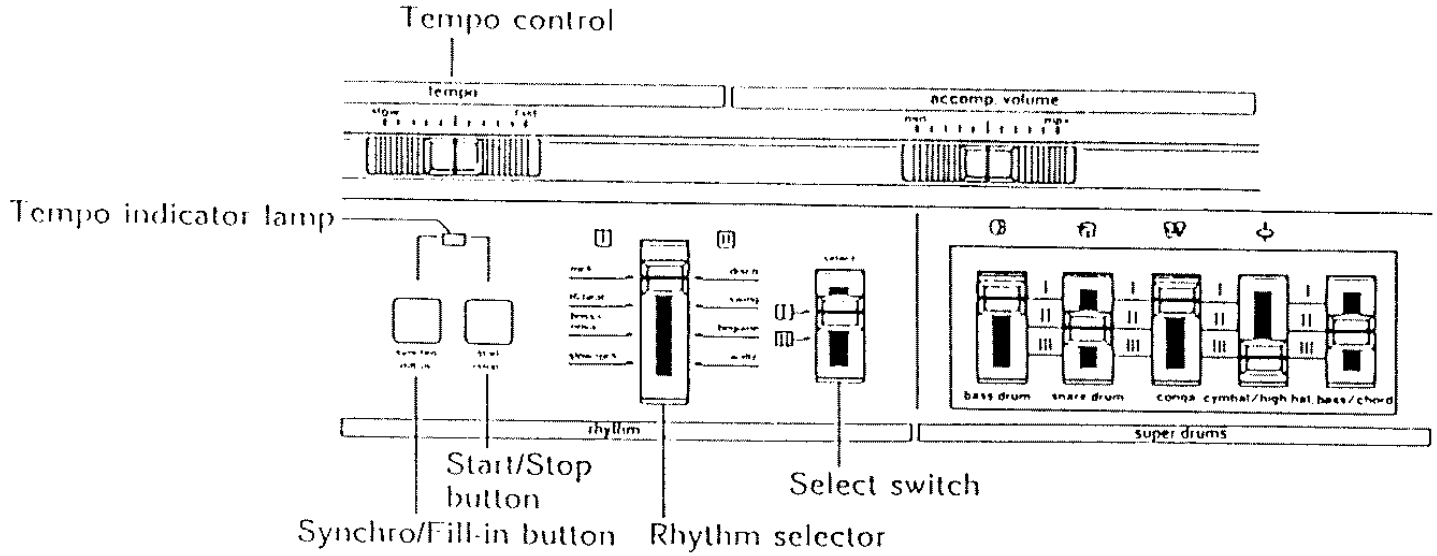
- **Adding sustain effects**

  Sustain effect can be added by turning the switch on.

  * **sustain** ..... For sound that lingers after a key is released.

4 Auto-rhythm & Super drums

Each of 8 auto-rhythms has three bass drum, snare drum, conga, cymbal/hi-hat, and bass/chord patterns. This makes it possible to select a variety of rhythm and accompaniment patterns to suit the type of song being played.



- **Selecting an auto-rhythm**

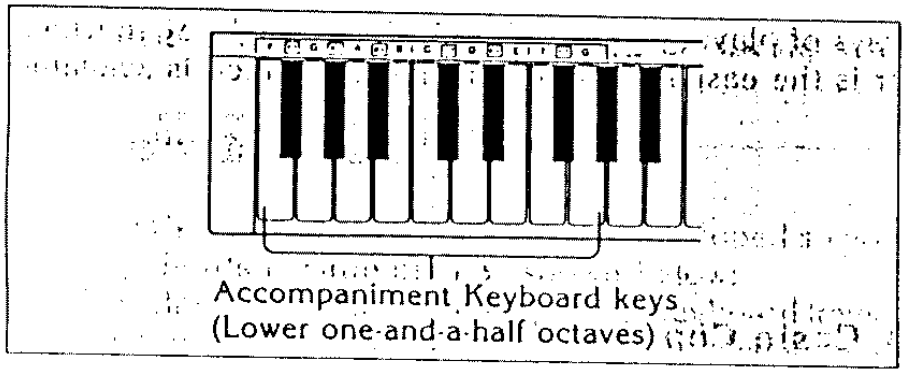
  Select one of 8 auto-rhythms by sliding the rhythm selector. Each position has two rhythm patterns according to whether the Select switch is set to I or II.

- **Synchro/fill-in button**

  This button is used to synchronize auto-rhythm and auto-accompaniment the instant you play on the accompaniment keyboard, and also to add a fill-in during play.

1) Synchronizing auto-rhythm and auto-accompaniment

   First select an auto-rhythm and then press the Synchro/fill-in button. A red lamp will light above the button to indicate that the instrument is ready to play. When one of the accompaniment keyboard keys is pressed, the rhythm, synchronized with auto-accompaniment, will begin to play.



2) Adding a fill-in (rhythm grace)

Simply press the button just in time when you want to add a fill-in during play.

- **Tempo lamp**

  Blinks on first beat of each measure.

- **Start/Stop button**

  Press to start or stop rhythm.

- **Tempo control**

  Adjust the tempo of auto-rhythm and auto-accompaniment.

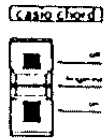
Using the super drums

Start any auto-rhythm first and shift the 5 selectors into other settings to obtain different rhythm patterns. Find the one that matches your song best listening to the variations.

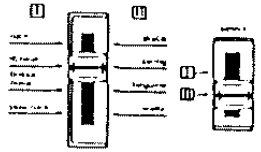
* Bass/chord selector does not function if auto-accompaniment is not used (i.e., if the Casio Chord switch is set to "off").
* Conga selector includes high conga and low conga. Either one is selected automatically according to the combination of the auto-rhythm being selected and the position of the conga selector. The same can be said of the cymbal/hi-hat selector.

[Ex.] Setting of a "shuffle" pattern

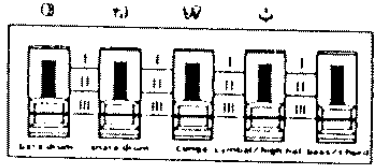
① Set the Casio Chord switch to 'fingered' or 'on'.



② Select a 'swing' in a auto-rhythm.



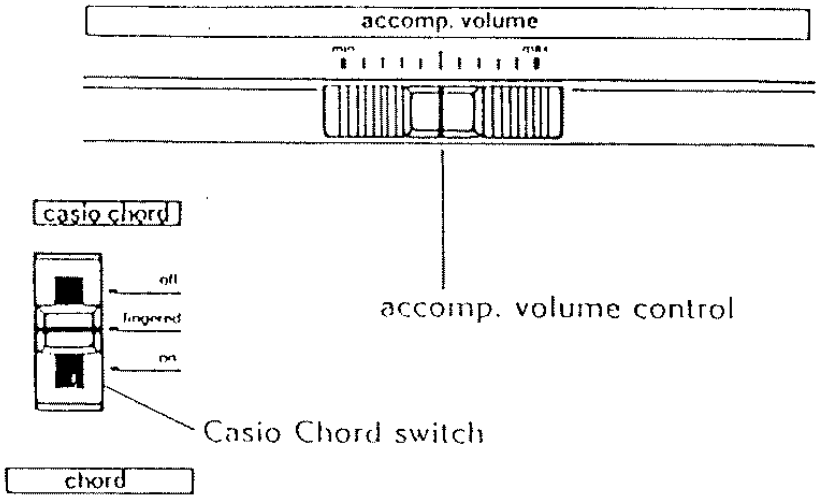
③ Set all of 5 selectors in the super drums to III.



④ Press the Synchro/fill-in button and play on the accompaniment keyboard.

5 Auto-accompaniment

The auto-accompaniment function of the MT-52 offers two ways of playing chords. One is the normal way in which you play three or four notes at the same time, and the other is the easier "One-finger method" which is available using the Casio Chord system.



- **Casio Chord switch**

  Turns auto-accompaniment on and off.

  off ..... For normal play without auto-accompaniment.

  fingered .... For auto-accompaniment pressing chords as usual.

  on ..... For auto-accompaniment using the Casio Chord system.

  * If the Casio Chord switch is set to "fingered" or "on", the lower one-and-a-half octaves of the keyboard become accompaniment keyboard keys, and the upper part of the keyboard becomes 4-note polyphonic.

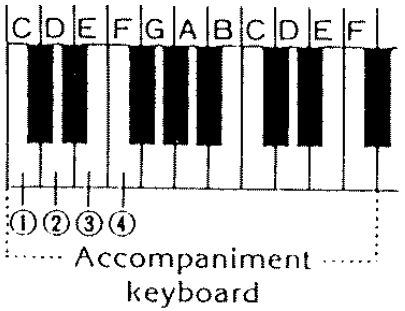
- **Accompaniment volume control**

  Adjusts the volume of the auto-accompaniment, i.e., rhythm, chord and bass.

[1] Auto-accompaniment using the Casio Chord System (One-finger Method)

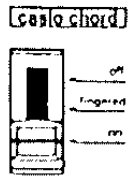
Casio Chord System

The Casio Chord system has been developed so you can play the four main types of chords more easily. Playing chords is simplified as shown below:
Pressing one of the accompaniment keyboard keys produces a major chord corresponding to that note. Simultaneously pressing any key to the right (two keys at the same time) results in a minor chord. Similarly, pressing one more key to the right (three keys in all) produces a seventh chord, and pressing the fourth key to the right (four keys in all) creates a minor seventh chord.

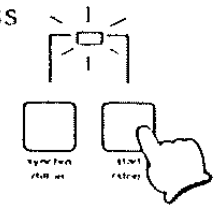


(Example)
C (C major chord) — Press ①.
Cm (C minor chord) — Press ①, ② together.
C7 (C seventh chord) — Press ①, ②, ③ together.
Cm7 (C minor seventh chord) — Press ①, ②, ③, ④ together.
* Not only ②, ③ and ④, but any black or white keys can be used as long as they are to the right of ①.

① Set the Casio Chord switch to "on".



② Select one of the auto-rhythms and press the Synchro/fill-in button.

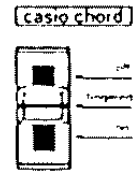


* The lamp above the Synchro/fill-in button lights, meaning that the accompaniment keyboard keys are ready for play.

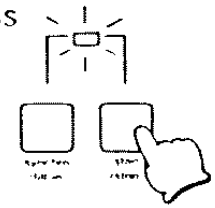
③ Play on the accompaniment keyboard keys according to the Casio Chord system.
* Adjust the tempo, accompaniment volume using the respective controls.

[2] Auto-accompaniment by playing chords as usual.

① Set the Casio Chord switch to "fingered".



② Select one of the auto-rhythms and press the Synchro/fill-in button.



* The lamp above the Synchro/fill-in button lights, meaning that the accompaniment keyboard keys are ready for play.

③ Play a chord on the accompaniment keyboard keys.
* Adjust the tempo, accompaniment volume using the respective controls.

6 Care of your unit

1. Avoid heat, humidity or direct sunlight.

Do not overexpose the unit to direct sunlight or place near a heater or in any extremely hot place.

2. Take care not to drop the unit and avoid severe impact.

Severe impact may cause malfunctions. When carrying or transporting the unit, protect the keyboard and switches by packing with soft cloth.

3. Keep free of liquids, dust, etc.

Do not allow dust, dirt or foreign objects to get between the keys, especially metallic objects such as hairpins, sewing needles or coins. Also, do not let the unit get wet.

4. Never attempt modifications.

This musical instrument is made up of precision electronic components. Any modification or unauthorized maintenance may cause malfunction.

5. Do not apply lacquer, thinner or volatile liquids.

Clean the keyboard with a soft cloth dampened with detergent. (Soak the cloth in a detergent and squeeze until almost dry.)

7 Troubleshooting

* For any malfunction, always check battery condition first.

Trouble	Possible cause	Remedy
No sound, even if keys are pressed.	1. Main volume turned down. 2. Headphones connected.	1. Turn up main volume. 2. Disconnect headphones.
No rhythm, No accompaniment	Accomp. volume control turned down.	Turn up accomp. volume control.
Occasional interference	Refrigerators, washing machines and similar electric appliances.	Use an outlet as far away as possible from the appliance thought to be the cause.
No sound when connected to external amplifier.	1. Main volume on the MT-52 turned down. 2. Defective connection cord.	1. Turn up main volume. 2. Replace connection cord.

8 Specifications

Model:	Casiotone MT-52
Number of keys:	44 keys (mini keys)
Preset timbres:	12 — piano 1 & 2, harpsichord 1 & 2, elec. guitar, celesta, jazz organ, pipe organ, flute, violin, trumpet, synth. reed
Sound effects:	sustain
Auto-rhythms:	8 — rock, 16 beat, bossa nova, slow rock, disco, swing, beguine, waltz
Super drums:	bass drum, snare drum, conga, cymbal/high hat, bass/chord
Auto-accompaniment:	Casio Chord (off/fingered/on)
Pitch control:	±1/4 tone
Speakers:	8 cm dia. × 1
Output jacks:	output impedance = 0.1 KΩ output voltage = 1 V (RMS) MAX.
Power source:	3-way power supply • AC 100, 117, 220 or 240V (±10V) using AD-1 optional adaptor. • 5 size AA dry cell batteries (Battery life = approx. 16 hours). • Car battery using CA-1 car battery adaptor.

8. Specifications

Power consumption:	2.8W
Dimensions:	570(W) × 195(D) × 55(H) mm (22 7/16"(W) × 7 5/8"(D) × 2 1/8"(H))
Weight:	2.0 kg (4.4 lbs.)

** Design and specifications are subject to change without notice.*

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (not applicable to other areas).

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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 the receiving antenna
..... relocate the equipment with respect to the receiver
..... move the equipment away from the receiver
..... plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

CASIO®

065A SA ㊋㊐ Printed in Japan