

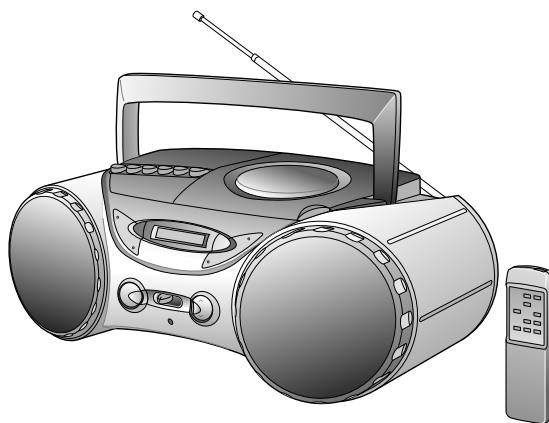
SHARP

PORTABLE CD STEREO SYSTEM

OPERATION MANUAL



Thank you for purchasing this SHARP product. For the best performance, read this manual carefully. It will guide you in operating your SHARP product.



Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Note:

- It is the intent of Sharp that this product be used in full compliance with the copyright laws of the United States and that prior permission be obtained from copyright owners whenever necessary.

FOR YOUR RECORDS

For your assistance in reporting this unit in case of loss or theft, please record below the model number and serial number which are located on the rear of the unit.

Please retain this information.

Model number _____

Serial number _____

Date of purchase _____

Place of purchase _____

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SPECIAL NOTES



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

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

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

ENERGY STAR® Program Information

As an ENERGY STAR® Partner, SHARP has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. ENERGY STAR® is a U.S. registered mark.



WHY PURCHASE ENERGY STAR® LABELED PRODUCTS?

Many Electrical /Electronic Products use energy both when they are on and when they are off. Americans spend more than \$3 billion a year on energy consumed by home electronic products when they are not in use. The new ENERGY STAR® labeled models will reduce that energy "leakage" by up to 75 percent. Ultimately, this will mean more than \$1 billion a year in energy savings for consumers.

The energy savings will help reduce the burning of fossil fuels and the related carbon dioxide pollution that contributes to global warming. If every American family replaced their electronic equipment with ENERGY STAR® labeled models, it would reduce air pollution equivalent to eliminating more than two million cars.

By using ENERGY STAR® labeled products, you will save money on your electric bills and use less energy. That makes good economic sense and it's good for our environment.


ENERGY STAR® is a U.S. registered mark.

IMPORTANT SAFEGUARDS

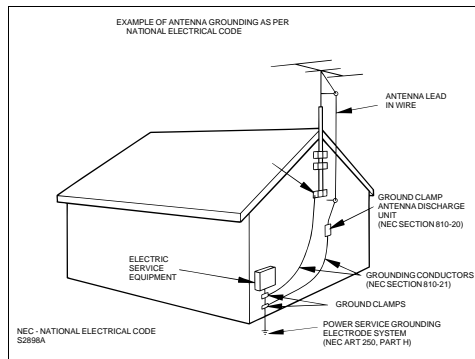
CAUTION

All the safety and operating instructions should be read before the appliance is operated, and should be retained for future reference.

Electrical energy can perform many useful functions. This unit has been engineered and manufactured to assure your personal safety. Improper use can result in potential electrical shock or fire hazards. In order not to defeat the safeguards, observe the following basic rules for its installation, use and servicing.

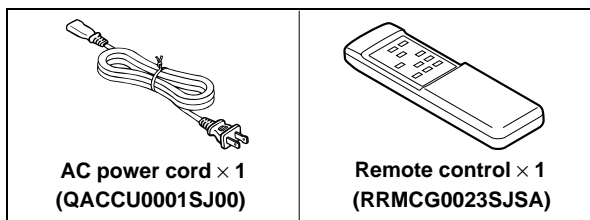
- 1 Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
 - 2 Follow Instructions - All operating and use instructions should be followed.
 - 3 Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.
 - 4 Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
- 
- 5 Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
 - 6 Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
 - 7 Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
 - 8 Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
 - 9 Power-Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
 - 10 Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
 - 11 Power Lines - An outdoor antenna should be located away from power lines.

- 12 Outdoor Antenna Grounding - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



- 13 Nonuse Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- 14 Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- 15 Damage Requiring Service - The appliance should be serviced by qualified service personnel when:
 - A The power-supply cord or the plug has been damaged; or
 - B Objects have fallen, or liquid has been spilled into the appliance; or
 - C The appliance has been exposed to rain; or
 - D The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E The appliance has been dropped, or the enclosure damaged.
- 16 Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
- 17 Grounding or Polarization - Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

ACCESSORIES



Notes:

- The AC power cord is located in the battery compartment.
- The remote control is located in the packing material.
- Parts and accessories mentioned in this operation manual other than those in the drawing are not included.

PRECAUTIONS

■ General

- Do not use oil, solvents, gasoline, paint thinners or insecticides on the unit.
- Do not expose the unit to moisture, to temperatures higher than 140°F (60°C) or to extreme low temperatures.
- Keep the unit away from direct sunlight, strong magnetic fields, excessive dust, humidity and electronic/electrical equipment (home computers, facsimiles, etc.) which generates electrical noise.
- Hold the AC power plug by the head when removing it from the AC outlet, as pulling the cord can damage internal wires.
- When cleaning the heads, pinch roller, etc, remove the AC power plug from the AC outlet as the unit contains high voltages.
Do not remove the outer cover, as this may result in electric shock. Refer internal service to your local SHARP service facility.
- Use the unit on a firm, level surface free from vibration, and do not place anything on the top of the unit.
- If the unit does not work properly while in use, set the POWER switch to OFF and then to ON again.
- If an electrical storm is taking place near you, it is suggested that you disconnect the AC power cord from the AC outlet for safety.

Warning:

The voltage used must be the same as that specified on this unit. Using this product with a higher voltage other than which is specified is dangerous and may result in a fire or other type of accident causing damage. SHARP will not be held responsible for any damage resulting from use of this unit with a voltage other than that which is specified.

■ Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet (CD pickup, tape heads, etc.) or on the transmitter LED on the remote control.

Condensation can cause the unit to malfunction. If this happens, leave the power on with no disc (or cassette) in the unit until normal playback is possible (about 1 hour). Wipe off any condensation on the transmitter LED with a soft cloth before operating the unit.

Warning:

CD players use a laser pickup which can damage the eyes if viewed directly. Do not look at the pickup, and do not touch the pickup directly.

■ Battery use

- Replace all old batteries with new ones at the same time.
- Do not mix old and new batteries.
- Remove the batteries if they are weak or if the unit will not be used for long periods of time. This will prevent potential damage due to battery leakage.
- Batteries are not included.

Caution:

- Do not use rechargeable batteries (nickel-cadmium battery, etc.).

■ Care of compact discs

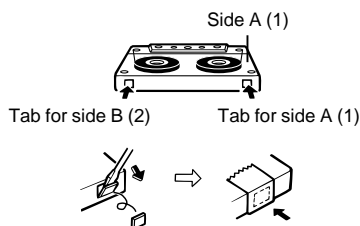
Compact discs are fairly resistant to damage, however mistracking can occur due to an accumulation of dirt on the disc surface.

Follow the guidelines below for maximum enjoyment from your CD collection and player.

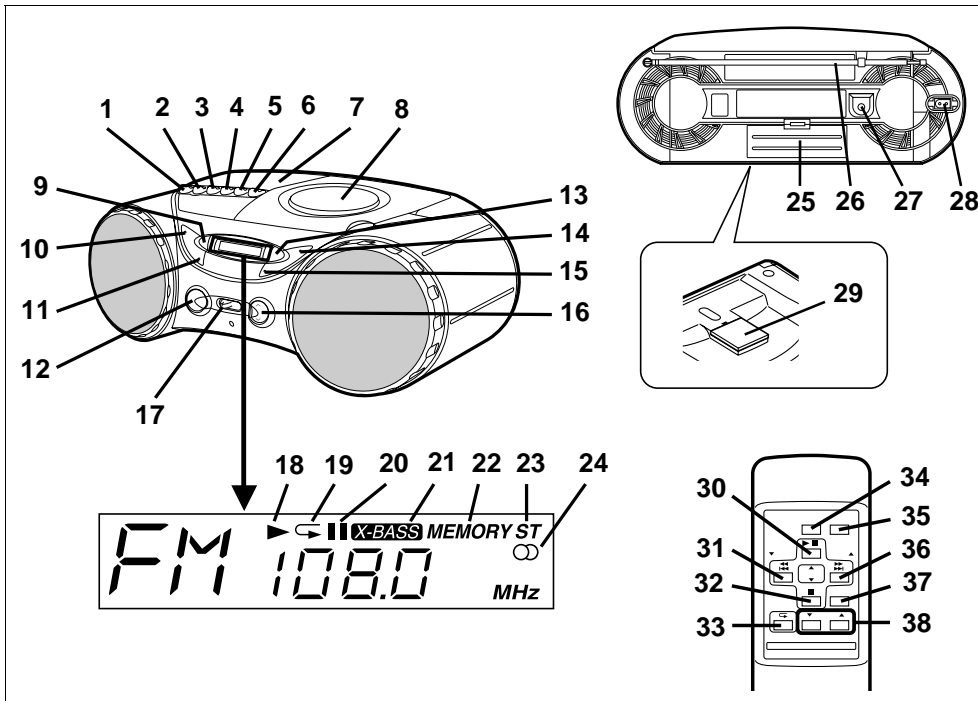
- Do not write on either side of the disc, particularly the non-label side. Signals are read from the non-label side. Do not mark this surface.
- Keep your discs away from direct sunlight, heat, and excessive moisture.
- Always hold the CDs by the edges. Fingerprints, dirt, or water on the CDs can cause noise or mistracking. If a CD is dirty or does not play properly, clean it with a soft, dry cloth, wiping straight out from the center, along the radius.

■ Cassette tape

- For playback, use normal or low-noise tape for the best sound. (Metal or CrO₂ tape is not recommended.)
For recording, use only normal tape.
- Do not use C-120 tapes, tapes with large diameter reels, or poor-quality tapes, as they may cause malfunctions.
- Before loading a tape into the cassette compartment, tighten the slack with a pen or pencil.
- Cassettes have removable tabs which prevent accidental recording or erasing from taking place. Removing the tab will protect the corresponding side from being erased. Cover the tab holes with adhesive tape to erase or record again.



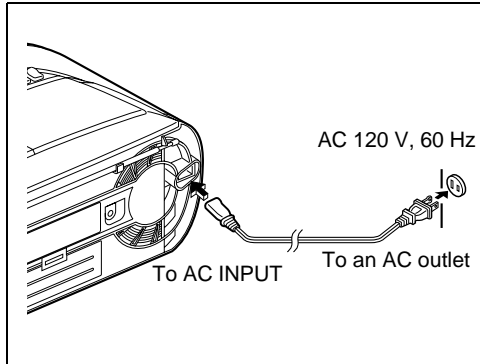
NAMES OF CONTROLS AND INDICATORS



1. (TAPE) Record Button
2. (TAPE) Play Button
3. (TAPE) Rewind Button
4. (TAPE) Fast Forward Button
5. (TAPE) Stop/Eject Button
6. (TAPE) Pause Button
7. Cassette Compartment
8. CD Compartment
9. (CD) Stop Button
10. (CD) Repeat Button
11. (TUNER) Preset Memory Button
12. Extra Bass Button
13. (CD) Play/Pause Button
14. (CD) Track Up/Cue Button
15. (CD) Track Down/Review Button
16. Volume Up/Down Buttons
17. Power/Function Switch
18. (CD) Play Indicator
19. (CD) Repeat Indicator
20. (CD) Pause Indicator
21. Extra Bass Indicator
22. Memory Indicator
23. (TUNER) FM Stereo Mode Indicator
24. (TUNER) FM Stereo Indicator
25. Battery Compartment
26. FM Telescopic Rod Antenna
27. Headphone Jack
28. AC Power Input Jack
29. Backup Memory Battery Compartment
30. (CD) Play/Pause Button
31. (CD) Track Down/Review Button
32. (CD) Stop Button
33. (CD) Repeat Button
34. (TUNER) Memory Button
35. (TUNER) Clear Button
36. (CD) Track Up/Cue Button
37. Extra Bass Button
38. Volume Up/Down Buttons

POWER SOURCE

■ AC power

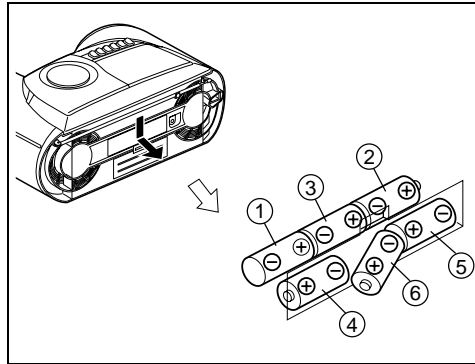


Connect the AC power cord to the AC power input jack, then connect the AC power cord plug to an AC outlet.

Notes:

- If the unit will not be used for a long period of time, remove the AC power cord from the AC outlet.
- Connection of the AC power cord to the unit disconnects the batteries.
- Never use a power cord other than the one supplied. Use of a power cord other than the one supplied may cause an electric shock or fire.

■ Battery power

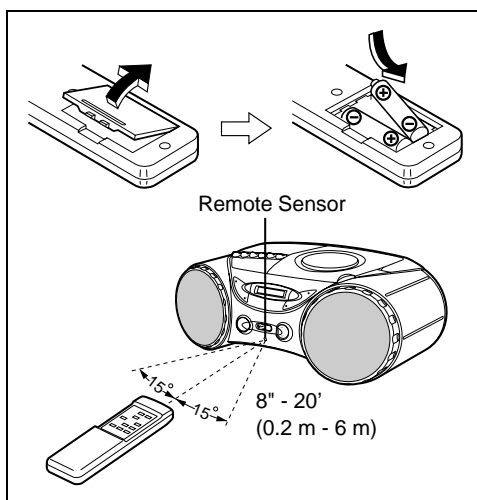


- 1 Disconnect the AC power cord, and remove the battery compartment cover.
- 2 Insert 6 "D" size batteries (UM/SUM-1, R20, HP-2 or similar) into the battery compartment.
 - Insert the batteries according to the direction indicated on the rear panel.
 - When inserting or removing the batteries ③ and ④, push them toward the ⊖ battery terminals.
 - Installing the batteries incorrectly may cause the unit to malfunction.
- 3 Replace the battery compartment cover.

Note:

Replace the batteries when they become weak and/or recording or playback is impaired. This may occur even though radio broadcasts are audible.

REMOTE CONTROL

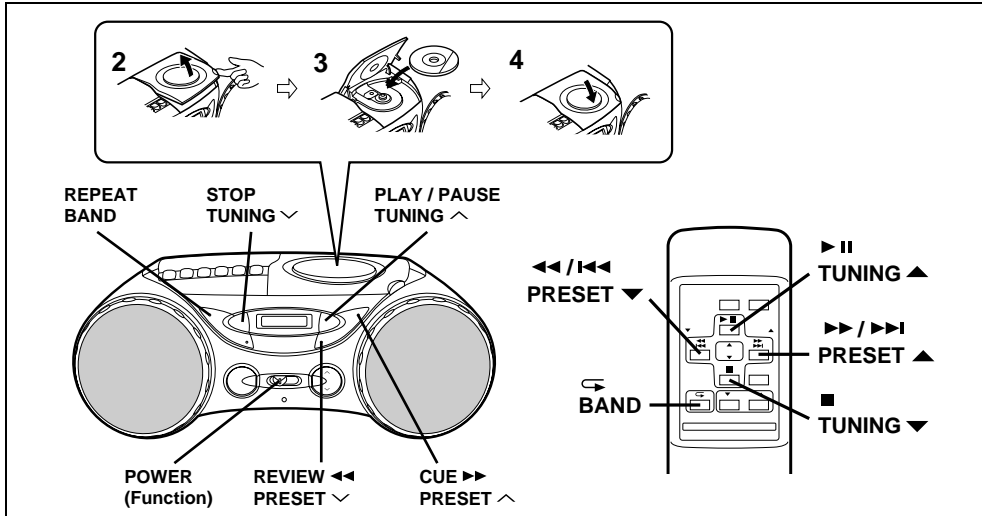


- 1 Remove the battery compartment cover on the remote control.
- 2 Insert 2 "AA" size batteries (UM/SUM-3, R6, HP-7 or similar) into the battery compartment on the remote control.
 - When inserting or removing the batteries, push them toward the ⊖ battery terminals.
 - Installing the batteries incorrectly may cause the unit to malfunction.

Notes:

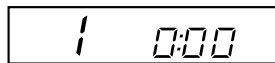
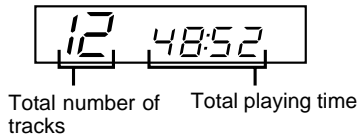
- Replace the batteries if the operating distance is reduced or if the operation becomes erratic.
- Periodically clean the transmitter LED on the remote control and the sensor on the main unit with a soft cloth.
- Exposing the sensor on the main unit to strong light may interfere with operation. Change the lighting or the direction of the unit.
- Keep the remote control away from moisture, excessive heat, shock, and vibrations.

COMPACT DISC OPERATION



■ CD playback

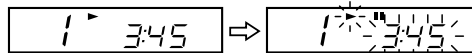
- 1 Set the function switch to CD.
- 2 Open the CD compartment.
- 3 Place a compact disc on the spindle, label side up.
● 3" (8 cm) discs may be played without an adaptor.
- 4 Close the CD compartment.



- 5 Press the PLAY/PAUSE (▶ ||) button to start playback from track 1.
- 6 Press the VOLUME ^ button to increase the volume and the VOLUME v button to decrease the volume.
- 7 Press the X-BASS button to emphasize the bass region of the frequency spectrum. The "X-BASS" indicator will light up. Press the X-BASS button again to cancel the extra bass mode. The "X-BASS" indicator will go out.

To interrupt playback:

Press the PLAY/PAUSE (▶ ||) button during playback.
Press the PLAY/PAUSE (▶ ||) button again to resume playback.



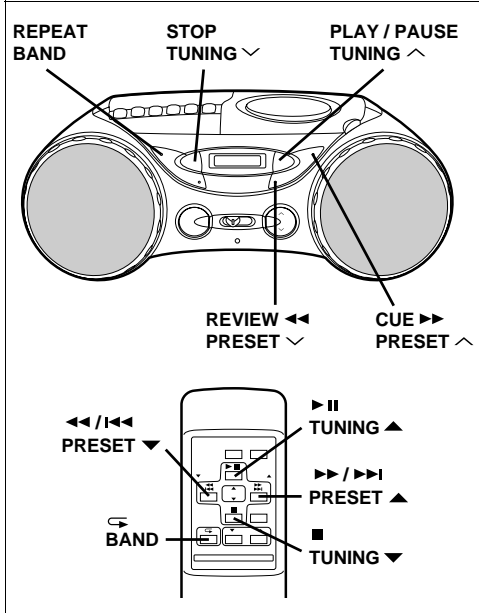
To stop playback:

Press the STOP (■) button.

Precautions:

- When "no DISC" or track number is displayed, the power is connected. If you will not be using the CD player, set the POWER switch to OFF.
- Do not open the CD compartment while the disc is rotating.
- If the disc is damaged, dirty, or loaded upside down, "Er" or "no DISC" will appear in the display. Clean, replace, or reload the disc properly.
- Keep foreign objects out of the CD compartment.
- Subjecting the unit to shock or vibration may cause mistracking.
- Keep the CD compartment closed except when loading discs.
- Playing certain compact discs at a high volume may cause mistracking. In this case, listen at a lower volume.
- The temperature range for playing compact discs is recommended to be 41°F (5°C) - 95°F (35°C).
- If TV or radio interference occurs during CD operation, move the unit away from the TV or radio.

(Continued)

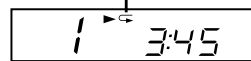


Repeat play

During playback, press the REPEAT/BAND (⏮) button repeatedly to select the play mode. Each time the button is pressed, the display will change as follows:

	Flash	1 track repeat play
	Appear	All track repeat play
	Disappear	Normal play

Repeat play indicator



Note:

- When using repeat play, be sure to press the STOP (■) button after you are through listening. Otherwise, the CD(s) will play continuously.

APSS (Auto Program Search System)

APSS automatically locates the beginning of any track.

To listen again to the track being played:

Press the DOWN (◀◀/|◀◀) button for less than 0.5 seconds during playback.

To move to the beginning of the next track:

Press the UP (▶▶/▶▶) button for less than 0.5 seconds during playback.

Notes:

- To skip a number of tracks at one time, press the UP (▶▶/▶▶) or DOWN (◀◀/|◀◀) button repeatedly until the desired track number is shown.
- To start playing at a desired track, press the UP (▶▶/▶▶) or DOWN (◀◀/|◀◀) button while in the stop mode to select the track number, and then press the PLAY/PAUSE (▶||) button.

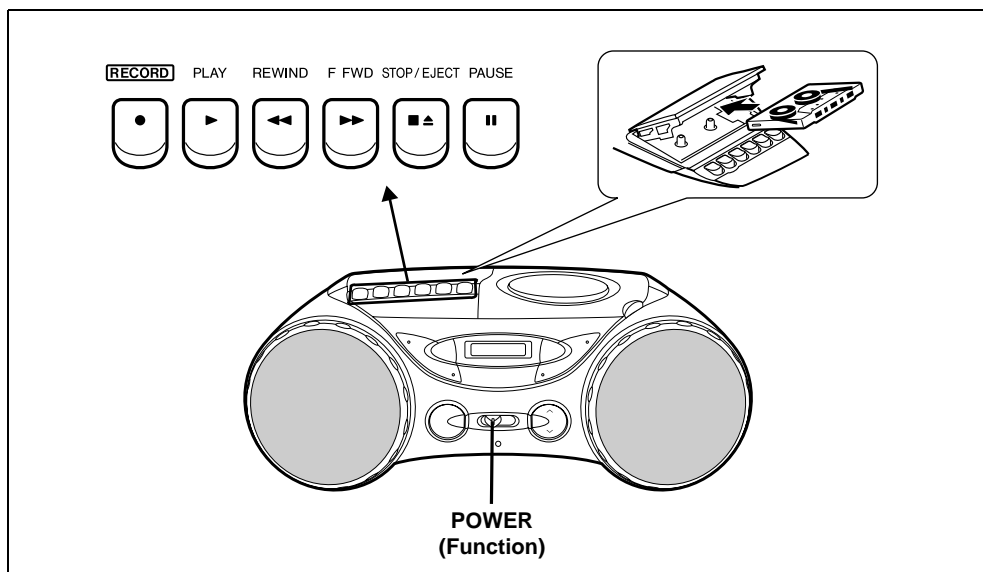
Cue and review

- 1 Load a disc and begin playback.
- 2 Hold down the CUE (▶▶/▶▶) button for audible fast forward, and hold down the REVIEW (◀◀/|◀◀) button for audible fast reverse.
- 3 Normal playback will resume when the REVIEW (◀◀/|◀◀) or CUE (▶▶/▶▶) button is released.

Notes:

- When the end of the disc is reached while cueing, "End" will appear in the display and CD operation is paused. Press the REVIEW (◀◀/|◀◀) button for fast reverse or press the STOP (■) button to stop CD operation.
- If the beginning of the disc is reached while reviewing, the mode will automatically switch to normal playback at that point.

CASSETTE OPERATION



■ Tape playback

- 1 Set the function switch to TAPE.
- 2 Load a cassette into the cassette compartment with the side to be played facing up.
- 3 Press the PLAY button.
- 4 To advance the tape, press the STOP/EJECT button, then press the F FWD button. To rewind, press the STOP/EJECT button, then press the REWIND button.

To interrupt playback:

Press the PAUSE button during playback.
Press the PAUSE button again to resume playback.

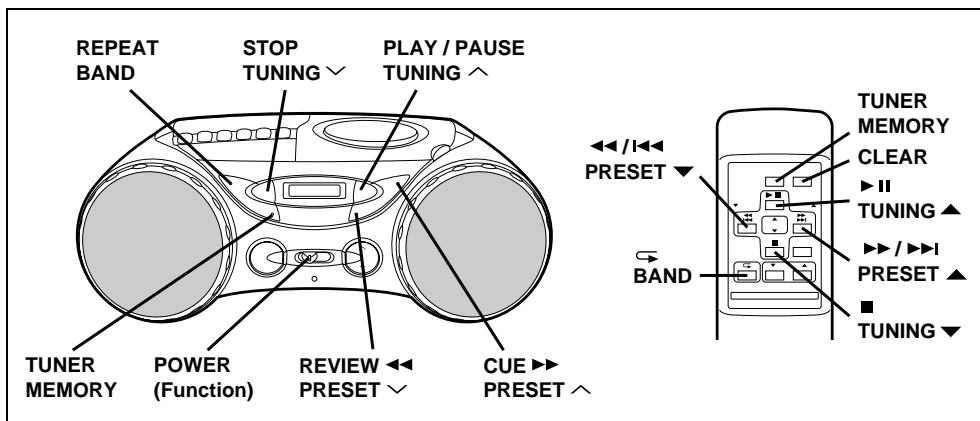
To stop playback:

Press the STOP/EJECT button.

Precautions:

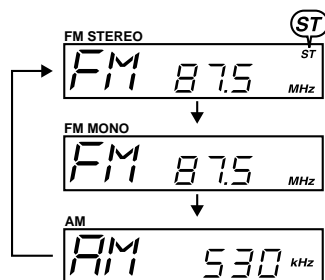
- Be sure not to press the PLAY and REWIND buttons simultaneously, or the tape will become damaged.
- Before changing from one tape operation to another, press the STOP/EJECT button.
- Do not press the PAUSE button while the fast forward or rewind operations are in progress. The F FWD or REWIND button will not be released when the tape end is reached. Once this occurs, press the STOP/EJECT button.

RADIO OPERATION



Tuning

- 1 Set the function switch to TUNER.
- 2 Press the REPEAT/BAND (◀) button to select the desired frequency band. (FM ST, FM or AM)



- To receive an FM stereo transmission, press the REPEAT/BAND (◀) button so that the "ST" indicator on the display lights up.
- The "∞" indicator lights up when an FM broadcast is in stereo.



- 3 Press the TUNING (∨ or ∧) button to tune into the desired station.

Manual tuning:

Press the TUNING (∨ or ∧) button as many times as required to adjust the frequency shown on the display to the frequency of the desired station.

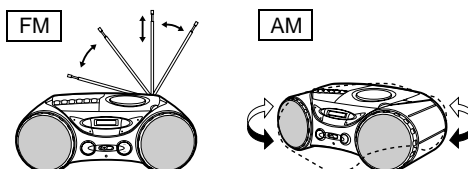
Auto tuning:

When the TUNING (∨ or ∧) button is pressed for more than 0.5 seconds, scanning will start automatically and the tuner will stop at the first receivable broadcast station.

Notes:

- When radio interference occurs during auto scan tuning, auto scan tuning may stop automatically at that point.
- If a weak station signal is found during auto scan tuning, the station will be skipped.
- To stop the auto tuning, press the TUNING (∨ or ∧) button again.
- If the FM reception is poor, press the REPEAT/BAND (◀) button so that the "ST" indicator goes out. Although the reception changes to monaural, the sound becomes clearer.

Antenna adjustment:



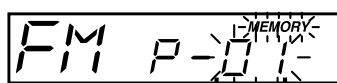
After use:

Set the POWER switch to OFF.

(Continued)**■ Preset tuning**

You can store up to 30 stations in memory (30 stations consisting of any combination of FM and AM stations you like) and recall them at the push of a button. FM stations can be recalled in either stereo or mono.

- 1 Tune to the desired station.
(Perform steps 1 - 3 in the "Tuning" section on page 9.)
- 2 Press the TUNER MEMORY button.



Preset number

- 3 Within 5 seconds, press the PRESET (∨ or ∧) button until the preset number to be programmed flashes in the display.
- 4 Within 5 seconds, press the TUNER MEMORY button to store that station in the selected station preset number memory.
 - If the "MEMORY" and preset number indicators go out before the station is memorized, repeat the operation from step 2.
 - The preset numbers in step 2 are displayed starting from the low numbers which have not been assigned. If the preset numbers are assigned in order, step 3 can also be omitted. If you want to change the station assigned to a preset number, select that preset number in step 3.
- 5 Repeat steps 1 - 4 to set other preset stations, or to change a preset station.

■ To recall a memorized station

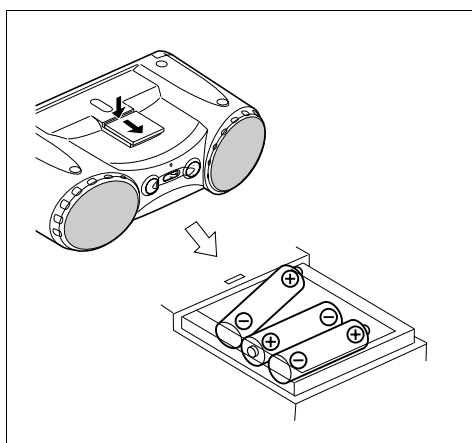
- 1 Set the function switch to TUNER.
- 2 Press the PRESET (∨ or ∧) button to recall the desired preset channel number.
 - If there are no stations memorized, this operation can not be performed.

■ To clear all memorized stations

- 1 Set the function switch to TUNER.
- 2 Press the TUNER MEMORY button.
- 3 Press the PRESET (∧ or ∨) button to select the channel number you want to erase.
- 4 Within 5 seconds, press the CLEAR button on the remote control.

■ How to backup the preset tuning stations

When the backup memory battery is installed, the contents of the preset tuning can be stored even when the power is turned off.



- 1 Remove the backup memory battery compartment cover located on the bottom of the unit.
- 2 Insert 3 "AA" size batteries (UM/SUM-3, R6, HP-7 or similar) into the backup memory battery compartment.
 - When inserting or removing the batteries, push them toward the ⊖ battery terminals.
 - Installing the batteries incorrectly may cause the unit to malfunction.

Notes:

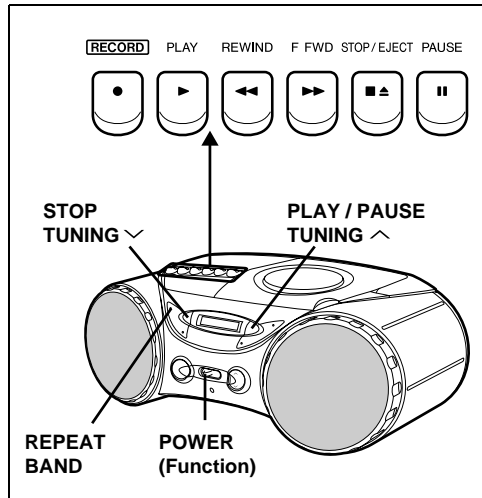
- When the backup memory batteries are installed in the unit, the memory recalls the last station received even after setting the POWER switch to OFF or unplugging the unit from AC power. It also stores the sound level.
- If the backup memory batteries are not inserted and the power is disconnected, the tuner's preset memories will be erased.
- Replace the backup memory batteries approximately once a year.

Caution:

- When inserting or replacing the batteries for the backup memory, connect the AC power cord and set the POWER switch to ON. This will extend battery life.

RECORDING

- When recording important selections, be sure to make a preliminary test to ensure that the desired material is being properly recorded.
- The ALC (Automatic Record Level Control) circuit automatically controls the level of the input signal used for recording.
- The VOLUME control may be adjusted with no effect on the recorded signal. (Variable Sound Monitor)
- Metal and CrO₂ tapes cannot be used for recording.



Recording from the built-in CD player

- 1 Set the function switch to CD.
- Load the disc to be recorded.
- 2 Load a blank cassette into the cassette compartment with the side to be recorded facing up.
- 3 Press the RECORD button.
- 4 Press the PLAY/PAUSE (▶||) button on the CD.

To stop recording:

Press the STOP/EJECT button.
The tape will stop.

Note:

- If the STOP(■) or PLAY/PAUSE (▶||) button on the CD player is pressed while recording, or if the CD comes to its end, the tape deck will not stop.

To record a specific track:

Press the UP (▶▶/▶▶) or DOWN (◀◀/◀◀) button on the CD player until the desired track number is displayed, then start recording.

Recording from the built-in radio

- 1 Set the function switch to TUNER.
- Tune in to the station to be recorded.
- 2 Load a blank cassette into the cassette compartment with the side to be recorded facing up.
- 3 Press the PAUSE button.
- 4 Press the RECORD button.
- 5 Press the PAUSE button again.

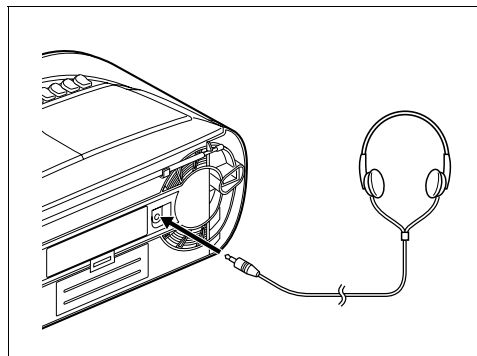
To stop recording:

Press the STOP/EJECT button.

Erasing a recorded tape

- 1 Set the function switch to TAPE.
- 2 Load a tape into the cassette compartment with the side to be erased facing up.
- 3 Press the RECORD button.

HEADPHONES

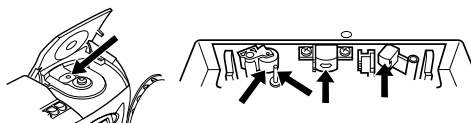


- Before plugging in or unplugging the headphones, make sure the volume level is reduced.
- Be sure your headphones have a 1/8" (3.5 mm) diameter plug and are between 16 ohms and 50 ohms impedance. The recommended impedance is 32 ohms.
- Connect the headphones plug to the PHONES jack located on the rear of the unit. The speakers will be automatically disconnected. Adjust the volume by using the VOLUME control.

MAINTENANCE

Internal care

- Do not touch the Laser pickup lens. If fingerprints or dust accumulate on the pickup, clean it gently with a dry cotton swab.
- Dirty heads, capstan or pinch roller can cause poor sound and tape jams. Clean these parts with a cotton swab moistened with commercial head/pinch roller cleaner or isopropyl alcohol.
- After long use, the deck's heads and capstan may become magnetized, causing poor sound. Demagnetize these parts once every 30 hours of playing/recording by using a commercial tape head demagnetizer. Read the demagnetizer's instructions carefully before use.



External care

- Periodically wipe the cabinet with a soft cloth and a diluted soap solution, then wipe with a dry cloth.
- Do not use chemically treated cleaning cloths or other chemicals.

SPECIFICATIONS

SHARP reserves the right to make design and specification changes for product improvement without prior notice.

General

Power source: AC 120 V, 60 Hz
 DC 9 V ["D" size (UM/SUM-1, R20 or HP-2) battery × 6]
 DC 4.5 V ["AA" size (UM/SUM-3, R6 or HP-7) battery × 3 for backup memory]

Power

consumption: 12 W
Output power: FTC; 2.0 W min. RMS per channel into 4 ohms from 150 Hz to 20 kHz, with no more than 10 % total harmonic distortion.
 RMS; 2.3 W/CH
 (DC operation, 10 % T.H.D.)

Speakers: 4" (10 cm) full-range speaker x 2

Output terminals: Headphones; 16-50 ohms (recommended; 32 ohms)

Dimensions: Width; 15-3/4" (400 mm)
 Height; 6-1/4" (158 mm)
 Depth; 8-3/8" (212 mm)

Weight: 6.0 lbs. (2.7 kg) without batteries

Compact disc player

Type: Compact disc
Signal readout: Non-contact, 3-beam semi-conductor laser pickup
Audio channels: 2
Quantization: 16-bit linear quantization
Filter: 8-times oversampling digital filter
D/A converter: 1-bit D/A converter
Wow and flutter: Unmeasurable (less than 0.001% W. peak)

Radio

Frequency range: FM; 87.5 - 108 MHz
 AM; 530 - 1,720 kHz

Tape recorder

Frequency response: 50 - 14,000 Hz (Normal tape)
Signal/noise ratio: 50 dB
Wow and flutter: 0.25 % (WRMS)
Motor: DC 9 V electric governor
Bias system: AC bias
Erase system: Magnet erase

Quick Guide / Guía rápida

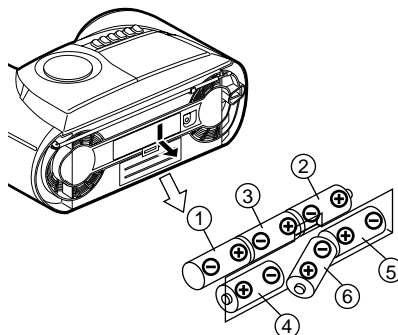
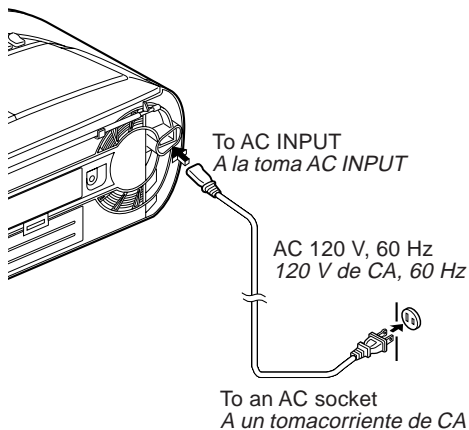
1 Preparation for use / Preparación para su uso

■ AC power

■ Funcionamiento con corriente alterna

■ Battery power

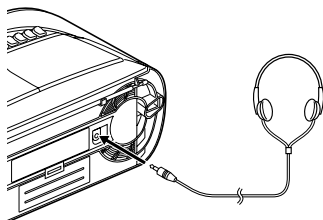
■ Funcionamiento con pilas



- 6 "D" size batteries (UM/SUM-1, R20, HP-2 or similar)
- 6 pilas del tamaño "D" (UM/SUM-1, R20, HP-2 o similares)
- Batteries are not included.
- Las pilas no están incluidas.

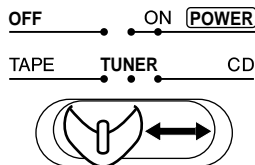
■ Headphones

■ Auriculares



■ Turning the power ON and to OFF

■ Conexión(ON) y desconexión(OFF) de la alimentación



■ Volume control

■ Control del volumen

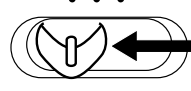
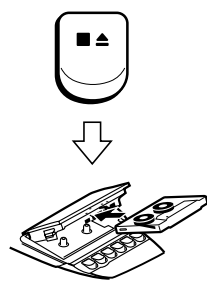



2 Listening to a CD / Audición de discos CD

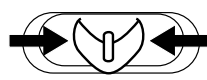


<p>1</p>	<p>2</p>	<p>3</p> <ul style="list-style-type: none"> ● Label side up. ● Con el lado de la etiqueta encarada hacia arriba. 	<p>4</p>	<p>5</p> <p>PLAY / PAUSE ^ TUNING</p> <p>To stop the playback Press the ■ button. Para detener la reproducción Pulse el botón ■.</p>
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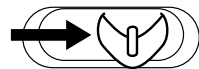
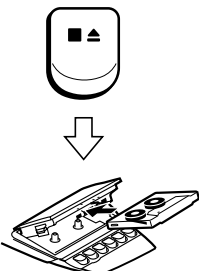

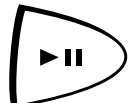
3 Listening to a tape / Audición de una cinta

<p>1</p> <p>OFF — ON POWER</p> <p>TAPE TUNER CD</p> 	<p>2</p> <p>STOP / EJECT</p> 	<p>3</p> <p>PLAY</p>  <p>To stop the playback Press the ■▲ button.</p> <p>Para detener la reproducción Pulse el botón ■▲.</p>
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4 Listening to the radio / Audición de la radio

<p>1</p> <p>OFF — ON POWER</p> <p>TAPE TUNER CD</p> 	<p>2</p> <p>REPEAT BAND</p> 	<p>3</p> <p>STOP TUNING ∨</p> <p>PLAY / PAUSE ^ TUNING</p> 
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5 Recording from CDs / Grabaciones de discos CD

<p>1</p> <p>OFF — ON POWER</p> <p>TAPE TUNER CD</p>  <ul style="list-style-type: none"> ● Load the disc to be recorded. ● <i>Introduzca el disco que va a grabar.</i> 	<p>2</p> <p>STOP / EJECT</p> 	<p>3</p> <p>RECORD</p> 	<p>4</p> <p>PLAY / PAUSE ^ TUNING</p>  <p>To stop the recording Press the ■▲ button.</p> <p>Para detener la grabación Pulse el botón ■▲.</p>
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CONSUMER LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION warrants to the first consumer purchaser that this Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the purchaser for parts or labor for the period(s) set forth below.

This warranty does not apply to any appearance items of the Product nor to the additional excluded item(s) set forth below nor to any Product the exterior of which has been damaged or defaced, which has been subjected to improper voltage or other misuse, abnormal service or handling, or which has been altered or modified in design or construction.

In order to enforce the rights under this limited warranty, the purchaser should follow the steps set forth below and provide proof of purchase to the servicer.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of Sharp.

The warranties described herein shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the purchaser with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Sharp be liable, or in any way responsible, for any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than an authorized servicer. Nor shall Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Model Specific Section

Your Product Model Number & Description: QT-CD250 Portable CD Stereo System
(Be sure to have this information available when you need service for your Product.)
One (1) year parts and ninety (90) days labor.

Warranty Period for this Product:
Additional Item(s) Excluded from Warranty Coverage (if any):
Where to Obtain Service:

Non-functional accessories, supplies, and consumable items.
At a Sharp Authorized Servicer located in the United States.
To find a location of the nearest Sharp Authorized Servicer, call Sharp toll free at 1-800-BE-SHARP.
Ship prepaid or carry in your Product to a Sharp Authorized Servicer.
Be sure to have **Proof of Purchase** available. If you ship the Product, be sure it is insured and packaged securely.

What to do to Obtain Service:

TO OBTAIN SUPPLY, ACCESSORY OR PRODUCT INFORMATION,
CALL 1-800-BE-SHARP.

SHARP

SHARP ELECTRONICS CORPORATION

Sharp Plaza, Mahwah, New Jersey 07430-2135

SHARP CORPORATION

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