



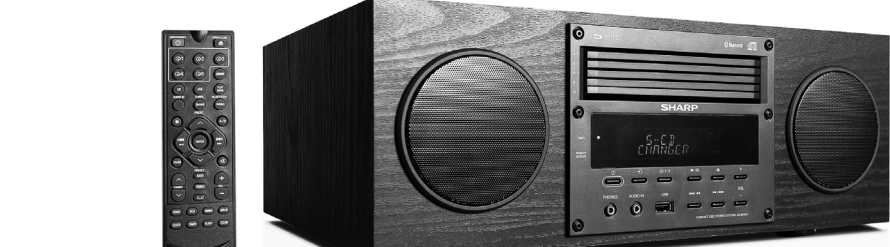
SHARP

MODEL CD-BH350 COMPACT DISC STEREO SYSTEM

ENGLISH

OPERATION MANUAL

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



Bluetooth

USB

MP3

COMPACT
DISC

5.1

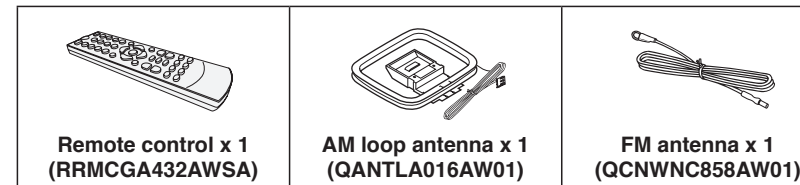
DIGITAL AUDIO

SHARP

- This audio system supports devices with Android 4.1, Jelly Bean and higher.
- For device with a lower Android version, refer the operation manual of the device for recommended app (application).

Accessories

The following accessories are included.



SHARP CORPORATION



Printed in Malaysia
22G R MW

Special notes

Supply of this product does not convey a license nor imply any right to distribute content created with this product in revenue generating broadcast systems (terrestrial, satellite, cable and/or other distribution channels), revenue-generating streaming applications (via Internet, intranets and/or other networks), other revenue-generating content distribution systems (pay-audio or audio-on-demand applications and the like) or on revenue-generating physical media (compact discs, digital versatile discs, semiconductor chips, hard drives, memory cards and the like). An independent license for such use is required. For details, please visit <http://mp3licensing.com>
MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by SHARP is under license. Other trademarks and trade names are those of their respective owners.



Explanation of Graphical Symbols:
The lightning flash with arrowhead symbol, within an isolated triangle, is intended to alert the user to the presence of unshielded "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
The explanation point within an isolated triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Article 820 of the National Electrical Code that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

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 bottom of the unit. Please retain this information.
Model number
Serial number
Date of purchase
Place of purchase

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

This product is classified as a CLASS 1 LASER PRODUCT
Caution - Use of any controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure.

For U.S. customer only

CONSUMER LIMITED WARRANTY
MIZARI ENTERPRISES, INC. 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 service.
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 MIZARI.

The warranties described herein shall be the sole and exclusive warranties granted by MIZARI 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 MIZARI 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 MIZARI be liable, 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 service. Nor shall MIZARI be liable 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 LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND PUERTO RICO.

Model Specific Section:
Your Product Model Number & Description: **CD-BH350 Compact Disc Stereo System**
(Be sure to have this information available when you need service for your Product).
Warranty Period for this Product: One (1) year parts and labor from the date of purchase.
Additional item(s) Excluded from Warranty Coverage (if any):
What to do to Obtain Service: Call Sharp toll free at 1-800-BE-SHARP

Accessories, supplies, and consumable items.

TO OBTAIN SUPPLY, ACCESSORY OR PRODUCT INFORMATION, CALL 1-800-BE-SHARP
SHARP is a registered trademark of SHARP CORPORATION; used under license by SHARP Corporation

MARKETED BY: MIZARI ENTERPRISES, INC.
5455 WILSHIRE BOULEVARD, SUITE 1410,
LOS ANGELES, CA 90036
Manufacturer address:
SHARP NORTH MALAYSIA Sdn. Bhd.
LOT 202, BAKAR ARANG INDUSTRIAL ESTATE,
08000 SUNGAI PETANI, KEDAH, WEST MALAYSIA.

Special notes (continued)

FCC Notice
Supplier's Declaration Of Conformity
SHARP COMPACT DISC STEREO SYSTEM CD-BH350
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Responsible Party:
MIZARI ENTERPRISES, INC.
5455 WILSHIRE BOULEVARD, SUITE 1410,
LOS ANGELES, CA 90036
TEL: 1-800-BE-SHARP

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

FCC Radiation Exposure Statement

This device complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. It must not be co-located or operating in conjunction with any other antenna or transmitter. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20 cm from nearby persons.

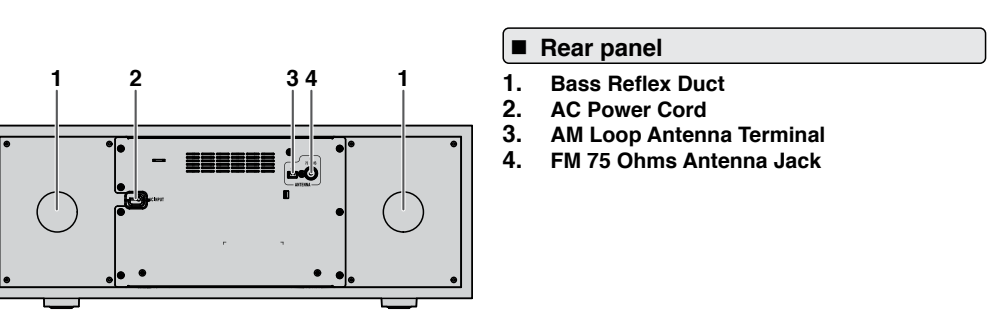
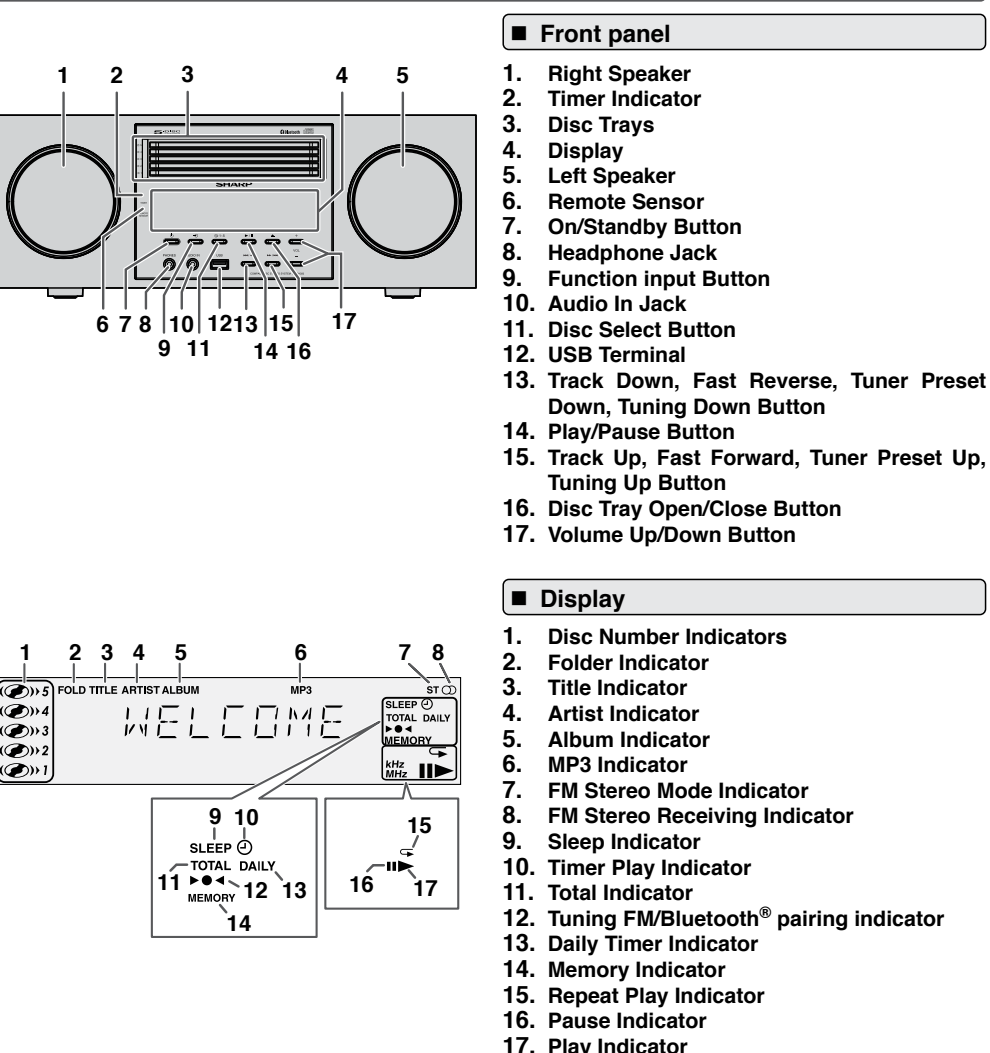
IC Radiation Exposure Statement (For Users in Canada)

This Class B digital apparatus complies with the Canadian ICES-003. This device contains license-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s).

Operation is subject to the following two conditions: 1. this device may not cause interference, and 2. this device must accept any interference, including interference that may cause undesired operation of the device.

To maintain compliance with the RF exposure guidelines, place the product at least 20cm from nearby persons.

Controls and indicators



IMPORTANT SAFETY INSTRUCTIONS

- Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and/or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of this product, please read the following precautions carefully before use.
- Read these instructions.
 - Keep these instructions.
 - Heed all warnings.
 - Follow all instructions.
 - Do not use this apparatus near water.
 - Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
 - Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
 - Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
 - Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
 - Only use attachments/accessories specified by the manufacturer.
 - Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/appliance combination to avoid injury from tip-over.
 - Unplug this apparatus during lightning storms or when unused for long periods of time.
 - Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Additional Safety Information**
- Power Sources - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For product intended to operate from battery power, or other sources, refer to the operating instructions.
 - Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
 - Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. To prevent fire or shock hazard, do not expose this appliance to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.
 - Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - When the AC cord or plug is damaged,
 - If liquid has been spilled, or objects have fallen into the product,
 - If the product has been exposed to rain or water,
 - If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
 - If the product has been dropped or damaged in any way, and
 - When the product exhibits a distinct change in performance - this indicates a need for service.
 - Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

IMPORTANT SAFETY INSTRUCTIONS

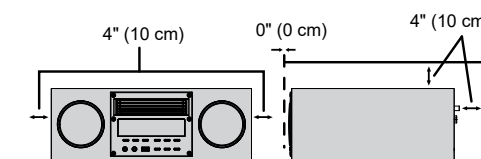
- Safety Check** - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- Wall or ceiling mounting** - When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer.
- Power Lines** - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- Protective Attachment Plug** - The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug. **Stand-By** - Do not place the product on an unstable cart, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.
- Use the unit on a firm, level surface free from vibration.
- Place the unit at least 12" (30 cm) away from any CRT TV to avoid color variations across the TV screen. If the variations persist, move the unit further away from the TV. LCD TV is not prone to such variation.
- Keep the unit away from direct sunlight, strong magnetic fields, excessive dust, humidity and electronic/electrical equipment (home computers, facsimiles, etc.) which generate electrical noise.
- Do not place anything on top of the unit.
- Do not expose the unit to moisture, to temperatures higher than 140°F (60°C) or to extremely low temperatures.
- If your system does not work properly, disconnect the AC power cord from the AC outlet. Plug the AC power cord back in, and then turn on your system.
- In case of an electrical storm, unplug the unit for safety.
- Hold the AC power plug by the head when removing it from the AC outlet, as pulling the cord can damage internal wires.
- The AC power plug is used as a disconnect device and shall always remain readily operable.
- Do not remove the outer case, as this may result in electric shock. Refer internal service to your local SHARP service facility.**
- This unit should only be used within the range of 41°F - 95°F (5°C - 35°C).
- This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

Warning:
The voltage used must be the same as that specified on this unit. Using this product with a higher voltage other than that 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.

Precautions

General

- Please ensure that the equipment is positioned in a well ventilated area and ensure that there is at least 4" (10 cm) of free space along the sides, top and back of the equipment.

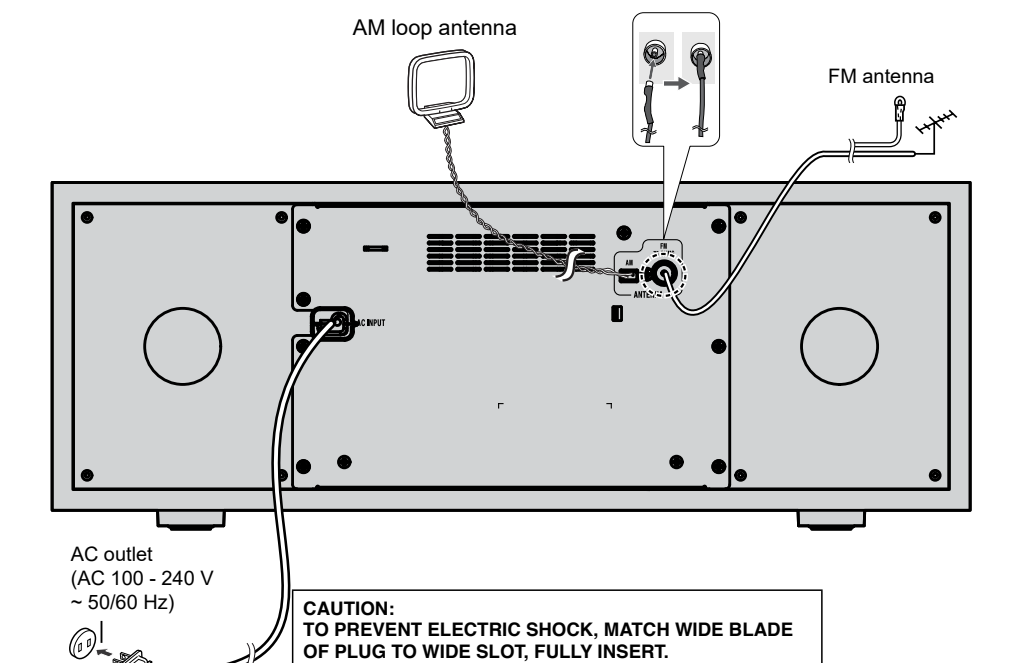


Volume control

The sound level at a given volume setting depends on speaker efficiency, location and various other factors. It is advisable to avoid exposure to high volume levels, which occurs while turning the unit on with the volume control setting up high, or while continually listening at high volumes. Excessive sound pressure from earphones and headphones can cause hearing loss.

System connection

Make sure to unplug the AC power cord before making any connections.

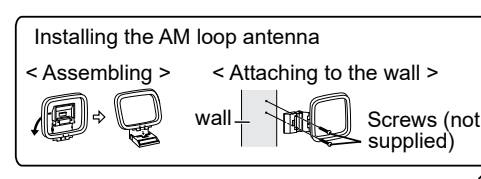


Antenna connection

Supplied FM antenna: Connect to the FM 75 ohms jack and position it where reception is best.
External FM antenna: Use an external FM antenna (75 ohms coaxial cable) for better reception. Disconnect the supplied FM antenna wire before use.

Supplied AM loop antenna: Connect to the AM terminal and position it where reception is best. Place it on a shelf, etc., or attach it to a stand or a wall with screws (not supplied).

Note: Keep the antenna away from the unit or AC power cord to avoid noise pickup.



Demonstration mode

The first time the unit is plugged in, the unit will enter the demonstration mode. You will see where reception is best.
To cancel the demonstration mode, press the DEMO button (remote control) once. The unit will enter the Bluetooth standby mode.
To cancel the Bluetooth standby mode, press the ECO button (remote control). The unit will enter the low power consumption mode.
To return to the demonstration or Bluetooth standby mode, press the DEMO button again.

Note: Press the PLAY MODE button repeatedly until "NORMAL" appears.

CD operation (continued)

To specify a disc to play

- Press one of the 1 - 5 buttons to select the desired disc.
- Within 5 seconds, press the ►/II button. After the last track on the last disc is played, the unit stops automatically.

Note: If a disc tray with no disc is selected, playback will not start and the disc indicator will disappear.

Repeat play (Remote Control)

Repeat play can play up to 5 discs, all tracks on a chosen disc, single track on a chosen disc, or a programmed sequence continuously.

To repeat one track: Press the PLAY MODE button repeatedly until "1-REPEAT" appears.

To repeat one disc: Press the PLAY MODE button repeatedly until "DISC-REPEAT" appears.

To repeat all tracks on up to 5 discs: Press the PLAY MODE button repeatedly until "ALL REPEAT" appears.

To repeat desired tracks: Perform steps 1 - 5 in "Programmed play" section on page 13 and then press the PLAY MODE button repeatedly until "ALL REPEAT" appears.

To repeat one folder: While in Folder mode (on MP3), press the PLAY MODE button repeatedly until "REPEAT FOL" appears.

To cancel repeat play: Press the PLAY MODE button repeatedly until "NORMAL" appears.

Random play (Remote Control)

The tracks on the disc(s) can be played in random order automatically.
To random play all tracks on up to 5 discs: Press the PLAY MODE button repeatedly until "RANDOM" appears.

To cancel random play: Press the PLAY MODE button repeatedly until "NORMAL" appears.

Notes:

- If you press the ►►/II button during random play, you can move to the next track by the random operation. On the other hand, the ►/II button does not allow you to move to the previous track. The beginning of the track being played will be located.
- In random play, the unit will select and play tracks automatically. (You cannot select the order of the tracks).
- In folder mode on, only tracks in selected folder will be played randomly.

To stop random play: Press the ► button twice.

CD operation (continued)

Programmed play

You can choose up to 32 selections for playback in the order you like.
To random play all tracks on up to 5 discs: Press the PLAY MODE button repeatedly until "RANDOM" appears.

To cancel programmed play: Press the PLAY MODE button repeatedly until "NORMAL" appears.

Notes:

- If you press the ►►/II button during random play, you can move to the next track by the random operation. On the other hand, the ►/II button does not allow you to move to the previous track. The beginning of the track being played will be located.
- In random play, the unit will select and play tracks automatically. (You cannot select the order of the tracks).
- In folder mode on, only tracks in selected folder will be played randomly.

To stop random play: Press the ► button twice.

To cancel the programmed play mode: During programmed stop mode, press the button. The display will show "MEM CLEAR" and all the programmed contents will be cleared.

Adding tracks to the program: If a program has been previously stored, the "NO SUPPORT" is displayed. During stop mode, press the MEMORY button once. Within 10 seconds, press and hold the MEMORY button again. Then follow steps 2 - 4 to add tracks.

Notes:

- When a disc is ejected, the program is automatically canceled.
- If you press the ON/STANDBY (O) button to enter the standby mode or change the function from CD to another, the programmed selections will be cleared.
- During the program operation, random play is not possible.

Procedure to playback MP3 disc with folder mode on

To play back CD-R/W.
1. In CD function, load an MP3 disc. Press the FOLDER button and disc info will be displayed.

2. Press the PRESET (V) or (A) button to select desired playback folder. (Folder mode on)

3. Select desired file to be played back by pressing the ►/II button in the folder.

4. Press the ►/II button. Playback will start and file name will be displayed.

• Title, Artist and Album name are displayed if they are recorded in the USB storage device.

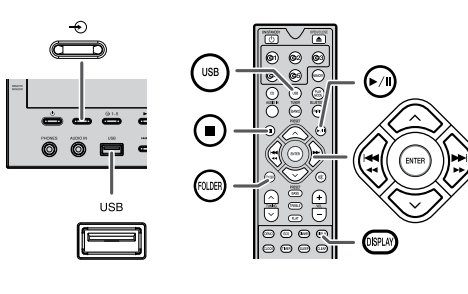
• In case of playback with the folder mode on, press the PRESET (V) or (A) button, and the folder can be selected even though it is in playback/pause mode. It will continue playback/pause mode in the 1st track of the selected folder.

• Display content can be changed by pressing the DISPLAY button.

File name display → Folder display
Counter display → Title display
Album display → Artist display

Note: If "NO SUPPORT" is displayed, it means "Not supported playback file" is selected.

Listening to USB mass storage device / MP3 player



Note: This product is not compatible with MTP and AAC file systems from USB mass storage device or MP3 player.

To play back USB/MP3 player with folder mode on / off

1. Press -> button repeatedly on the main unit or USB button on the remote control to select USB function. Connect the USB storage device to the USB terminal on the unit. The device information will be displayed.

To playback with folder mode on, follow step 2 below.

2. Press the FOLDER button, and then press the PRESET (V) or (A) button to select desired playback folder, go to step 4.

3. Select desired file to be played back by pressing the ►/II button.

4. Press the ►/II button. Playback will start and the file name will be displayed.

• Title, Artist and Album name are displayed if they are recorded in the USB storage device.

• Display content can be changed by pressing the DISPLAY button.

Advanced USB playback

The following functions are the same as CD operations:

Various disc functions.....	11
Repeat play	12
Random play	12
Programmed play	13

To remove USB storage device

- Press the ► button to stop playback. Press twice to stop completely.
- Unplug the USB storage device from the USB terminal.

Notes:

- SHARP will not be held liable for the loss of data while the USB storage device is connected to the audio system.
- SHARP cannot guarantee that all USB storage devices will work on this audio system.
- USB cable / USB hub / external HDD and PC connection is not recommended to be used on this unit.
- If the data inside the USB memory is large, it may take longer time for the data to be read.
- If unplayable file is played on this product, "NO SUPPORT" is indicated and the file will be skipped. This will take a few seconds.
- This product relates to USB mass storage devices and MP3 players. It may however face some irregularities due to various unforeseen reasons from some devices. Should this happen, turn off the unit and then turn it on again.
- MP3 player will not be changing in other than USB function. However, charging ability depends on type of MP3 player used.
- If USB storage device is not connected, "NO MEDIA" will be shown on the display.
- Fast forward / reverse is invalid when playing back a variable bitrate file.
- This unit only supports "MPEG-1 Audio Layer-3" up to 32 characters.
- Playback order for MP3 files may differ depending on the writing software used during file download.
- Playlists are not supported on this unit.
- This unit can display Folder Name or File Name up to 32 characters.
- The display playback time may not be displayed correctly when playing back a variable bitrate file.

• If USB storage device is not connected, "NO MEDIA" will be shown on the display.

• Fast forward / reverse is invalid when playing back a variable bitrate file.

• This unit only supports "MPEG-1 Audio Layer-3" up to 32 characters.

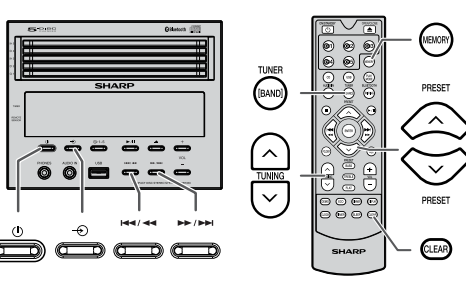
• Playback order for MP3 files may differ depending on the writing software used during file download.

• Playlists are not supported on this unit.

• This unit can display Folder Name or File Name up to 32 characters.

• The display playback time may not be displayed correctly when playing back a variable bitrate file.

Listening to the radio



Notes:

- When radio interference occurs, auto scan tuning may stop automatically at that point.
- Auto scan tuning will skip weak signal stations.
- To stop the auto tuning, press the TUNING (V) or (A) button again.

Tuning

1. Press the -> button repeatedly on the main unit or TUNER (BAND) button repeatedly on the remote control to select the desired frequency band (FM or AM).

2. Press the TUNING (V) or (A) button to tune in to the desired station.

Manual tuning (remote control only): Press the TUNING (V) or (A) button as many times as required to tune in to the desired station.

Auto tuning: Remote control: Press and hold TUNING (V) or (A) button. Main unit: Press and hold ►/II button. Scanning will start automatically and the tuner will stop at the first receivable broadcast station.

Notes:

- When radio interference occurs, auto scan tuning may stop automatically at that point.
- Auto scan tuning will skip weak signal stations.
- To stop the auto tuning, press the TUNING (V) or (A) button again.

To receive an FM stereo transmission: Press the TUNER (BAND) button on the remote control to display the "ST" indicator.

• "CD" will appear when an FM broadcast is in stereo.

• If the FM reception is weak, press the TUNER (BAND) button to extinguish the "ST" indicator. The reception changes to monaural, and the sound becomes clearer.

Memorizing a station

You can store 40 AM and FM stations in memory and recall them at the push of a button. (Preset tuning)

1. Perform steps 1 - 2 in "Tuning".

2. Press the MEMORY button to enter the preset tuning saving mode.

3. Within 30 seconds, press the PRESET (V) or (A) button to select the preset channel number. Store the stations in memory, in order, starting with preset channel 1.

4. Within 30 seconds, press the MEMORY button to store that station in memory. If the "MEMORY" and preset number indicators disappear before the station is memorized, repeat the operation from step 2.

5. Repeat steps 1 - 4 to set other stations, or to change a preset station. When a new station is stored in the memory, the station previously memorized for that preset channel number will be erased.

Note: The backup function protects the memorized stations for a few hours should there be a power failure or the AC power cord become disconnected.

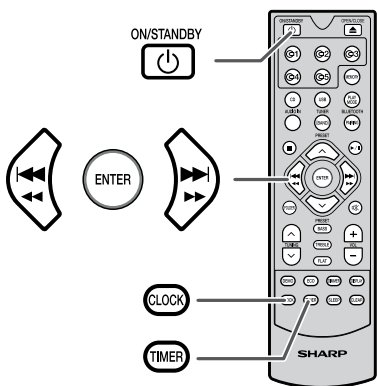
To recall a memorized station Remote control: Press the PRESET (V) or (A) button to select the desired station. Main unit: Press the ►/II button to select the desired station.

To scan the preset stations (Remote control only) The stations saved in the memory can be scanned automatically. (Preset memory scan)

1. Press and hold



Setting the clock (Remote control only)



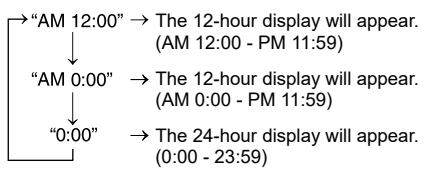
To confirm the time display:
Press the CLOCK button. The time display will appear for about 5 seconds.

Note:
When power supply is restored after unit is plugged in again or after a power failure, readjust the clock.

To readjust the clock:
Perform "Setting the clock" from step 1.

In this example, the clock is set for the 12-hour (AM 12:00) display.

- Press the ON/STANDBY (⏻) button to turn the power on.
- Press the CLOCK button.
- Within 10 seconds, press the ENTER button. To adjust the day, press the ⏮/⏭ or ⏪/⏩ button and then press the ENTER button.
- Press the ⏮/⏭ or ⏪/⏩ button to select 24-hour or 12-hour display and then press the ENTER button.



- To adjust the hour, press the ⏮/⏭ or ⏪/⏩ button and then press the ENTER button. Press the button once to advance the time by 1 hour. Hold it down to advance continuously.
- To adjust the minutes, press the ⏮/⏭ or ⏪/⏩ button and then press the ENTER button. Press the button once to advance the time by 1 minute. Hold it down to advance the time by 5 minutes interval.

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Timer and sleep operation (Remote control only)

Timer playback:
The unit turns on and plays the desired source (CD, TUNER, USB, AUDIO IN) at a preset time.

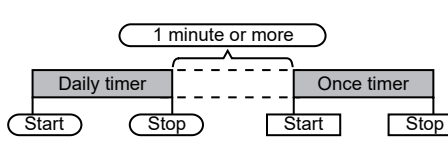
This unit has 2 types of timer:
ONCE TIMER and DAILY TIMER.

Once timer (⌚ indicator):
Once timer play works for one time only at a preset time.

Daily timer ("DAILY" indicator):
Daily timer play works at the same preset time every day that we set. For example, set the timer as a wake-up call every morning.

Using the once timer and daily timer in combination:
For example, use the once timer to listen to a radio program, and use the daily timer to wake up.

- Set the daily and once timer on this page.
- To select the timer playback source (CD, TUNER, USB, AUDIO IN), press the ⏮/⏭ or ⏪/⏩ button. Press the ENTER button. When you select the tuner, select a station by pressing the ⏮/⏭ or ⏪/⏩ button, and then press the ENTER button. If a station has not been programmed, "NO PRESET" will be displayed and timer setting will be canceled.
- To memorize a station, refer "Memorizing a station" on page 15.
- To adjust the day, press the ⏮/⏭ or ⏪/⏩ button and then press the ENTER button.
- Press the ⏮/⏭ or ⏪/⏩ button to adjust the hour, and then press the ENTER button.
- To adjust the minutes, press the ⏮/⏭ or ⏪/⏩ button and then press the ENTER button.
- Set the time to finish as in steps 7 and 8 above.
- Adjust the volume using the VOLUME control, and then press the ENTER button.
- Press the ON/STANDBY (⏻) button to enter the power standby mode. "TIMER" indicator lights up.
- When the preset time is reached, playback will start. The volume will increase gradually until it reaches the preset volume. The timer indicator will blink during timer playback.
- When the timer and time is reached, the system will enter the power standby mode automatically.



■ Timer playback

Before setting timer:

- Check that the clock is set to the correct time. If it is not set, you cannot use the timer function.
- For timer playback: Plug in USB or load disc to be played.

- Press the ON/STANDBY (⏻) button to turn the power on.
- Press the TIMER button.
- Within 10 seconds, press the ⏮/⏭ or ⏪/⏩ button to select "ONCE" or "DAILY", and press the ENTER button.
- Within 10 seconds, press the ⏮/⏭ or ⏪/⏩ button to select "TIMER SET", and press the ENTER button.

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Timer and sleep operation (Remote control only) (continued)

Checking the timer setting:

- Turn the power on. Press the TIMER button.
- Within 10 seconds, press the ⏮/⏭ or ⏪/⏩ button to select "ONCE" or "DAILY", and press the ENTER button.
- Within 10 seconds, press the ⏮/⏭ or ⏪/⏩ button to select "TIMER CALL", and press the ENTER button.

Canceling the timer setting:

- Turn the power on. Press the TIMER button.
- Within 10 seconds, press the ⏮/⏭ or ⏪/⏩ button to select "ONCE" or "DAILY", and press the ENTER button.
- Within 10 seconds, press the ⏮/⏭ or ⏪/⏩ button to select "TIMER OFF", and press the ENTER button. Timer will be canceled (the setting will not be canceled).

Reusing the memorized timer setting:

The timer setting will be memorized once it is entered. To reuse the same setting, perform the following operations.

- Turn the power on. Press the TIMER button.
- Within 10 seconds, press the ⏮/⏭ or ⏪/⏩ button to select "ONCE" or "DAILY", and press the ENTER button.
- Within 10 seconds, press the ⏮/⏭ or ⏪/⏩ button to select "TIMER ON", and press the ENTER button.
- Press the ON/STANDBY (⏻) button to enter the power standby mode.

■ Sleep operation

The main unit can be turned off automatically.

- Play back the desired sound source.
 - Press the SLEEP button.
 - Within 5 seconds, press the SLEEP button repeatedly to select the time.
- "SLEEP 90" → "SLEEP 80" ... → "SLEEP 10" → "SLEEP OFF"
- "SLEEP" indicator will appear.
 - The unit will enter the power standby mode automatically after the preset time has elapsed. The volume will be turned down 1 minute before the sleep operation finishes.

To confirm the remaining sleep time:

- While "SLEEP" is indicated, press the SLEEP button.

To cancel the sleep operation:
Press the ON/STANDBY (⏻) button while "SLEEP" is indicated. To cancel the sleep operation without setting the unit to the standby mode, proceed as follows.

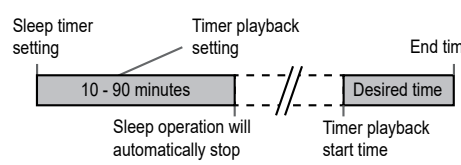
- While "SLEEP" is indicated, press the SLEEP button.
- Within 5 seconds, press the SLEEP button repeatedly until "SLEEP OFF" appears.

■ To use timer and sleep operation together

Sleep and timer playback:

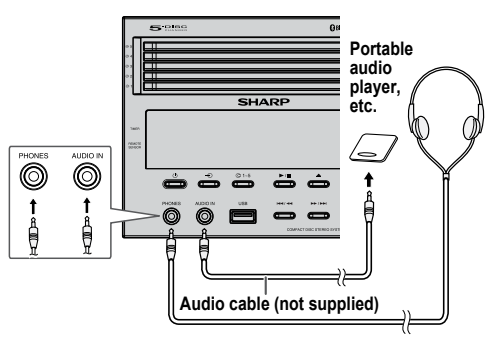
For example, you can fall asleep listening to the radio and wake up to CD in the next morning.

- Set the sleep time (see above, steps 1 - 5).
- While the sleep time is set, set the timer playback (steps 2 - 10, page 17).



Enhancing your system

The connection cord is not included. Purchase a commercially available cord as shown below.



■ Listening to the playback sounds of portable audio player, etc.

- Connect a portable audio player etc. to the front AUDIO IN jack.
- Turn the power on and press the ⏻ button repeatedly on the main unit or AUDIO IN button on the remote control to select AUDIO IN function.
- Play the connected device. Adjust the volume of the connected device according to the desired volume level.

Note:

To prevent noise interference, place the unit away from the television.

■ Headphones

- Before plugging in or unplugging the headphones, reduce the volume.
- Be sure your headphones have a 1/8" (3.5 mm) diameter plug and impedance between 16 and 50 ohms. The recommended impedance is 32 ohms.
- Plugging in the headphones disconnects the speakers automatically. Adjust the volume using the VOLUME control.

Troubleshooting chart

Many potential problems can be resolved by the owner without calling a service technician. If something is wrong with this product, check the following before calling your authorized SHARP dealer or service center.

■ General	
Symptom	Possible cause
• The clock is not set to the correct time.	• A power failure occurred. Readjust the clock. (Refer page 16)
• When a button is pressed, the unit does not respond.	• Set the unit to the power standby mode and then turn it back on. If the unit still malfunctions, reset it. (Refer page 21)
• No sound is heard.	• The volume level set to "MIN". • The headphones are connected.

■ CD player

Symptom	Possible cause
• Playback does not start.	• The disc is loaded upside down.
• Playback stops in the middle or is not performed properly.	• The disc does not satisfy the standards. • The disc is distorted or scratched.
• Playback sounds are skipped, or stopped in the middle of a track.	• The unit is located near excessive vibrations. • Very dirty disc has been used. • Condensation has formed inside the unit.
• "ER-CD21" appears on the display.	• The disc tray was stopped with force. Set the unit to the power standby mode and then turn it back on.

Troubleshooting chart (continued)

■ Remote control

Symptom	Possible cause
• The remote control does not operate.	• The AC power cord of the unit is not plugged in. • The battery polarity is wrong. • The batteries are dead. • The distance or angle is incorrect. • The remote control sensor receives strong light.

■ Tuner

Symptom	Possible cause
• The radio makes unusual noises continuously.	• The unit placed near a TV or computer. • The FM/AM antenna is not placed properly. Move the antenna away from the AC power cord if it is located nearby.

■ Bluetooth

Symptom	Possible cause
• No sound is heard.	• The unit is too far from the Bluetooth audio source device. • The unit is not paired with the Bluetooth audio source device.
• Bluetooth sound is interrupted or distorted.	• The unit is too near to a device that generates electromagnetic radiation. • There is an obstacle between the unit and the Bluetooth audio source device.

■ USB

Symptom	Possible cause
• Device cannot be detected. • Playback does not start.	• There is no MP3 file inside the device. • The device is not properly connected. • It is an MTP device. • The device contains AAC file only. • A false MP3 file is being played back.
• Wrong time display. • Wrong file name display.	• A Variable Bitrate files are being played back. • The File Name was written in other than English characters.

■ If problem occurs

When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or it is operated incorrectly, it may malfunction.

If such a problem occurs, do the following:

- Set the unit to the standby mode and turn the power on again.
- If the unit is not restored in the previous operation, unplug and plug in the unit again, and then turn the power on.

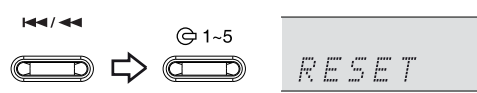
Note:
If neither operation above restores the unit, clear the memory by resetting it.

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Troubleshooting chart (continued)

■ Factory reset, clearing all memory

- Press the ON/STANDBY button to turn the power on.
- Press ⏻ button repeatedly on the main unit or AUDIO IN button (remote control) to enter Audio IN mode.
- Press ⏮/⏭ button (main unit) once.
- Press and hold ⏻ button (main unit) until "RESET" appears.
- Unplug and plug in the AC power cord again.



Caution:
This operation will erase all data stored in memory including clock, timer settings, tuner preset, and CD program.

■ Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet. (CD pickup, etc.) or on the transmitter on the remote control. Condensation can cause the unit to malfunction. If this happens, leave the power on with no disc in the unit until normal playback is possible. Wipe off any condensation on the transmitter with a soft cloth before operating the unit.

■ Before transporting the unit

Disconnect all devices and remove all disc from the unit. Then, set the unit to the power standby mode. Carrying the unit with other devices left connected or discs left inside might damage the unit.

Maintenance

■ Cleaning the cabinet

Periodically wipe the cabinet with a soft cloth and a diluted soap solution, then with a dry cloth.

Caution:

- Do not use chemicals for cleaning (gasoline, paint thinner, etc.). It may damage the cabinet.
- Do not apply oil to the inside of the unit. It may cause malfunctions.

■ Cleaning the CD pickup lens

In order to ensure proper operation of the CD player, preventative maintenance (cleaning of the laser pickup lens) should be performed periodically. Lens cleaners are commercially available. Contact your local CD software dealer for options.

Specifications

As part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

■ General

Power source	AC 100-240 V~ 50/60 Hz
Power consumption	22 W
Dimensions	Width: 16 - 7/13" (420 mm) Height: 6 - 2/9" (158 mm) Depth: 14 - 1/11" (358 mm)
Weight	15.0 lbs. (6.8 kg)

■ Amplifier

Output power	RMS: Total 50 W (25 W per channel into 6 ohms at 1 kHz, 10% Total harmonic distortion.) FTC: 21 W minimum RMS per channel into 6 ohms from 50 Hz to 20 kHz, 10% Total harmonic distortion.
Output terminals	Front Speakers: 6 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms)
Input terminals	Audio In (audio signal): 500 mV/47 k ohms

■ CD player

Type	5-disc multi-play compact disc player
Signal readout	Non-contact, 3-beam semiconductor laser pickup
D/A converter	Multi bit D/A converter
Frequency response	20 - 20,000 Hz
Dynamic range	90 dB (1 kHz)

■ Tuner

Frequency range	FM: 87.5 - 108.0 MHz AM: 530 - 1,710 kHz
Preset	40 (FM and AM station)

■ Bluetooth interface

Bluetooth Frequency band	2.402GHz - 2.480GHz
Compatible Bluetooth Profile	A2DP (Advanced Audio Distribution Profile), AVRCP (Audio/Video Remote Control Profile)
Version	5.0 BR + EDR
Connection range	32 feet (10 meter)

■ USB (MP3)

USB host interface	Complies with USB 1.1 (Full Speed)/2.0 Mass Storage Class. Support Bulk only and CBI protocol.
Support file	MPEG 1 Layer 3
Bitrate support	MP3 (32 ~ 320 kbps)
Other	Maximum total number of MP3 files is 65025. Maximum total number of folders is 999 INCLUSIVE of root directory. The ID3TAG information supported are TITLE, ARTIST and ALBUM only. Supports ID3TAG version 1 and version 2.
File system support	Support USB devices with FAT 16/ FAT 32.

■ Speaker

Type	1-way type speaker system 3 - 1/2" (8 cm) full range
Maximum input power	50 W
Rated input power	25 W
Impedance	6 ohms

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