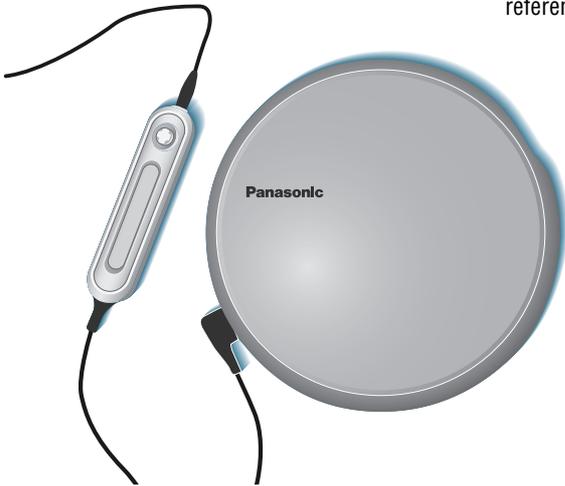


Operating Instructions Portable CD Player

SL-CT810



Dear Customer

Thank you for purchasing this product. Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.



Panasonic Consumer Electronics Company,
Division of Matsushita Electric Corporation of America
One Panasonic Way Secaucus, New Jersey 07094 <http://www.panasonic.com>

RQT7200-P
F0104TT0

Playing WMA/MP3
This unit can play WMA/MP3 files you have recorded to discs.
MP3: MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.

HOLD
This function causes the unit to ignore accidental button presses. Set to HOLD so the unit doesn't power on accidentally or interrupt play.
•The unit and remote control each have independent HOLD switches.

Note on CD-R and CD-RW
This unit can play CD-R and CD-RW recorded with CD-DA or WMA/MP3. Use an audio recording disc for CD-DA and finalize[®] it when you finish recording. The unit may not be able to play some discs due to the condition of the recording.
※ A process performed after recording that enables CD-R/CD-RW players to play audio CD-R and CD-RW.

Resume function
Play begins from the last point stopped. Replacing the disc cancels the function.

Auto off function
If the unit is left in stop mode for approximately 10 minutes, the unit turns itself off automatically.

Key illumination
When HOLD is released, the unit's buttons light in different ways to indicate the operation.
•To turn the illumination off, set to HOLD. (Only [▶/||], CHG) lights while charging.)
•The color shows the track type playing: green for CD-DA, red for WMA, and orange for MP3.

The display light
The light in the remote control's display comes on for about several seconds when you press a button, unless the hold function is on.

Magnetic adaptor
This adaptor allows you to quickly and easily connect and disconnect the AC adaptor. This also allows for smoother recharging.

Panasonic Sales Company,
Division of Matsushita Electric of Puerto Rico, Inc. ("PSC")
Ave. 65 de Infantería, Km. 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985
Panasonic Canada Inc.
5770 Ambler Drive, Mississauga, Ontario L4W 2T3 www.panasonic.ca
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Printed in Japan

Troubleshooting guide

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to the "Customer Services Directory" on page 3 if you reside in the U.S.A., or refer to the "Product information" on page 3 if you reside in Canada.

No play.	<ul style="list-style-type: none"> •The HOLD function is on. Release HOLD (↔ page 5). •The batteries may have run empty (↔ page 4). (If play is extremely short even after fully recharging the batteries, the batteries may have exceeded their life. Rechargeable batteries can be recharged approximately 300 times.) •The disc isn't correctly set. •The disc is scratched or dirty. (Tracks skipped.) •There is moisture on the lens. Wait for about an hour and then try again. •The lens is dirty: clean it with a blower (recommended product: SZP1038C). If the lens gets marked with fingerprints, gently wipe them off with a cotton swab. •Make sure the magnetic adaptor is connected properly. •The unit may not read WMA/MP3 correctly if it is shaken while it is reading the files. •Play of a multi-session disc may not be possible if there is a blank data segment between sessions. •If there is large JPEG data etc. within a WMA/MP3 file, sound may become muted and play may not be possible. •If you try playing a CD that contains CD-ROM format data and normal audio data (CD-DA), output from one of the above may become silent, and play may not be possible. •You cannot play a WMA disc if the copy protection setting was on when you made the disc. •Some HighMAT discs may not be playable on this unit.
No sound or there is a lot of noise.	<ul style="list-style-type: none"> •Ensure the plugs are inserted firmly. •Wipe the plugs clean with a clean cloth. •Separate this unit from mobile telephones. •Noise may occur when playing WMA/MP3 if recording quality is poor. •The elapsed playing time disappears and sound is interrupted if bumps continue repeatedly.
Play doesn't resume from the last point stopped.	<ul style="list-style-type: none"> •This doesn't work if you change discs. •This doesn't work during random play. •Re-selecting the playlist cancels the resume function. •It may not work correctly under some conditions.
Play doesn't start from the first track.	<ul style="list-style-type: none"> •Random play modes may be on (↔ page 5). •Play resumes from the last point stopped (↔ above).
Cannot search through tracks.	You cannot search through WMA/MP3 files.

Cannot specify point A or B.	You may not be able to specify point A or B at the end of disc.
Cannot change the Digital Re-master mode, anti-skip mode.	If [◀◀] or [▶▶] is pressed before [•MEMO/•DISP] you cannot change the mode.
Digital Re-master does not work.	Depending on the type of WMA/MP3 disc recording, the effect may not appear.
Cannot skip albums.	You cannot skip between the first and last albums during play.
Cannot hear the remote control's operation tone.	The operation tone may be off (↔ page 5).
The remote control does not work properly.	Use only the included remote control to operate this unit.
Cannot recharge.	<ul style="list-style-type: none"> •You aren't using the special rechargeable batteries (↔ page 2). •You must insert two batteries before you can recharge them. •The unit must be off before you can recharge.
The AC adaptor becomes warm during recharging.	This is normal.
The batteries are taking a long time to recharge.	The batteries may take a maximum of 6 hours to recharge under some conditions.
Play time is short after recharging.	<ul style="list-style-type: none"> •This may occur after the first time you recharge the batteries or haven't used them for a long time. Play time should be restored after a few recharges. •The batteries can go flat if you leave the AC adaptor connected after recharging is complete.
The buttons don't light.	<ul style="list-style-type: none"> •When using the magnetic adaptor, make sure it is clean from dust and grim, connected properly and the unit is positioned horizontally. •The buttons don't light if HOLD is on.
The battery indicator fails to appear or is incorrect.	<ul style="list-style-type: none"> •The indicator does not appear when the AC adaptor is connected. •The indicator does not appear correctly when using the rechargeable and dry cell batteries at the same time and under certain conditions.
The unit stops working.	Disconnect then reconnect all power sources (batteries and AC adaptor).

Displays

HOLD	The HOLD function is on. Release HOLD (↔ page 5).
NODISC	<ul style="list-style-type: none"> You haven't inserted a disc or it isn't inserted correctly. You have inserted a disc this unit cannot play.
OPEN	The disc lid is open.
CHARGE	The batteries are recharging. Recharging is complete when this disappears.
F	The program already contains 20 tracks.
>	Reading WMA/MP3 files.

Supplied Accessories

Check the packing carton for these accessories.

- **1 Wired remote control:** N2QCBD000038
- **1 Magnetic adaptor:** RFA2108-S
- **1 AC adaptor:** RFEA415C-1S
- **1 Pair of stereo earphones:** LOBAB0000176
- **1 External battery case:** RFA1821-H
- **2 Nickel-metal hydride rechargeable batteries:** (see below)
- **1 Battery carrying case:** RFC0062-X

Use only the following rechargeable batteries:
HHF-AZ01 (Nickel-metal hydride rechargeable batteries)

Use numbers indicated when ordering replacements or optional accessories from your Panasonic dealer.

In U.S.A. to order accessories, refer to "Accessory Purchases" on page 3.

Specifications

Audio (CD-DA)

Sampling frequency: 44.1 kHz
No. of channels: 2 (left and right, stereo)
Frequency response: 20 Hz to 20,000 Hz (+0.5 dB to -8 dB)
Headphone output level: RMS max. 6 mW+6 mW/16 Ω (adjustable)

Pickup

Light source: Semiconductor laser
Wavelength: 780 nm

WMA/MP3

Supported bit-rates:
WMA: 32 kbps to 320 kbps (64 kbps is recommended)
MP3: 32 kbps to 320 kbps (128 kbps is recommended)
Supported sampling frequency: 48 kHz/44.1 kHz/32 kHz

Maximum number of items (total no. of albums and tracks): 999
Maximum album levels: 100

General

Power supply: DC input (via included AC adaptor): DC 4.5 V
AC adaptor input: AC 120 V 60 Hz
Power consumption: Using AC adaptor (WMA/MP3/CD-DA): 2.6 W/2.6 W/2.6 W
Recharging: 5.5 W

AC adaptor power consumed in standby mode: 1.6 W

Play time: Using on a flat stable surface at 25 °C (77 °F), EQ is off, Hold is on, HighMAT is off, Anti-skip is on POS 1 (CD-DA), recommended bit rate (WMA:64 kbps/MP3:128 kbps), and Digital Re-master is off (WMA/MP3). Play times are in hours and approximate.

Batteries used	WMA disc	MP3 disc	CD-DA disc
2 optional alkaline batteries	125	120	73
2 supplied rechargeable batteries	73	63	38
2 supplied rechargeable and 2 optional alkaline batteries	200	188	120

Recharging time: about 5 to 6 hours
● The play time may be less depending on the operating conditions.

● Play time will be considerably reduced when playing CD-RW.

Operational temperature range: 0 °C-40 °C (32 °F-104 °F)

Rechargeable temperature range: 5 °C-40 °C (41 °F-104 °F)

Dimensions (W×H×D): 134.4×14.4×133.5 mm (5⁹/₃₂"×⁹/₁₆"×5¹/₄")

Mass: 195 g (6.9 oz) (with batteries)
145 g (5.1 oz) (without batteries)

Note: Specifications are subject to change without notice.
Mass and dimensions are approximate.

IMPORTANT SAFETY INSTRUCTIONS

Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the applicable safety instructions listed below. Keep these operating instructions handy for future reference.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) 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.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) 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/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) 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.



Caution

Discontinue use if you experience discomfort with the earphones or any other parts that directly contact your skin. Continued use may cause rashes or other allergic reactions.

■ Batteries

- Do not peel off the covering on the batteries and do not use if the covering has been peeled off.
- Align the poles + and - correctly when inserting the batteries.
- Do not mix different types of batteries or old and new batteries.
- Remove the batteries if you do not intend to use the unit for a long time.
- Do not throw into a fire, short-circuit, disassemble, or subject to excessive heat.
- Do not attempt to recharge dry cell batteries.
- When carrying batteries in a pocket or bag, ensure no metal objects such as necklaces are placed together with them. Contact with metal may cause short-circuiting which can cause a fire. For safety, carry the rechargeable batteries in the battery carrying case.

■ CDs

- Do not use irregularly shaped CDs.
- Do not use non-specification discs.
- Do not use CDs printed with label printers available on the market.
- Do not use CDs with labels and stickers that are coming off or with adhesive exuding from under labels and stickers.

■ Listening



Do not play your headphones or earphones at a high volume. Hearing experts advise against continuous extended play.

If you experience a ringing in your ears, reduce volume or discontinue use.

Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.

You should use extreme caution or temporarily discontinue use in potentially hazardous situations.

Even if your headphones or earphones are the open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you. Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Leave it there.

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

CAUTION!

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

CAUTION:

Use only car adaptor, Model: SH-CDC9 manufactured by Matsushita Electric Industrial Co., Ltd.

Marking sign is located on bottom of the unit.

THE FOLLOWING APPLIES ONLY IN THE U.S.A.

CAUTION:

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.
- Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

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.

A nickel metal hydride battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.



Panasonic Consumer Electronics Company, Division of Matsushita Electric Corporation of America One Panasonic Way Secaucus, New Jersey 07094

ONLY FOR U.S.A.

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc., Ave. 65 de Infanteria, Km. 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Panasonic Portable Audio Products Limited Warranty

Limited Warranty Coverage

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

Product or Part Name	Parts	Labor
All Portable Audio Products except item listed below	One (1) Year	One (1) Year
Rechargeable batteries (in exchange for defective item)	Ten (10) Days	Not applicable

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty excludes both parts and labor for batteries, antennas, and cosmetic parts (cabinet). This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is".

Mail-In Service

For assistance in the continental U.S.A. in obtaining repairs please ship the product to:

Panasonic Services Company
Customer Servicenter
Suite B
4900 George McVay Drive
McAllen, TX 78503

For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910.

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone number where you can be reached.

Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Servicenter; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

<http://www.panasonic.com/support>

or, contact us via the web at:

<http://www.panasonic.com/contactinfo>

You may also contact us directly at:

1-800-211-PANA (7262),
Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

For hearing or speech impaired TTY users, TTY : 1-877-833-8855

Product service

- 1. Damage requiring service**—The unit should be serviced by qualified service personnel if:
 - (a) The AC power supply cord or AC adaptor has been damaged; or
 - (b) Objects or liquids have gotten into the unit; or
 - (c) The unit has been exposed to rain; or
 - (d) The unit does not operate normally or exhibits a marked change in performance; or
 - (e) The unit has been dropped or the cabinet damaged.
- 2. Servicing**—Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
- 3. Replacement parts**—When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- 4. Safety check**—After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

Product information

For product information or assistance with product operation:

In the U.S.A., refer to "Customer Services Directory" below.

For assistance in the continental U.S.A. in obtaining repairs please ship the product to:

Panasonic Services Company - Customer Servicenter
Suite B 4900 George McVay Drive
McAllen, TX 78503

In Puerto Rico contact the Panasonic Sales Company.

Tel. (787) 750-4300 Fax. (787) 768-2910

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone number where you can be reached.

IF REPAIR IS NEEDED DURING THE WARRANTY PERIOD THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Also, the purchaser will be responsible for shipping the unit to the above address.

In Canada, contact the Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or visit the website (www.panasonic.ca), or an authorized Servicenter closest to you.

User memo:

DATE OF PURCHASE _____
 DEALER NAME _____
 DEALER ADDRESS _____

 TELEPHONE NUMBER _____

The model number and serial number of this product can be found on either the back or the bottom of the unit.

Please note them in the space provided below and keep for future reference.

MODEL NUMBER _____ **SL-CT810** _____
 SERIAL NUMBER _____

IF REPAIR IS NEEDED DURING THE WARRANTY PERIOD THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Limited Warranty Limits And Exclusions

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, travel to and from the servicer, loss of or damage to media or images, data or other memory or recorded content. The items listed are not exclusive, but are for illustration only.)

ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

Accessory Purchases

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at: <http://www.pasc.panasonic.com>

or, send your request by E-mail to: npcparts@panasonic.com

You may also contact us directly at:

1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only) (Monday - Friday 9 am to 8 pm, EST.)

Panasonic Services Company

20421 84th Avenue South, Kent, WA 98032

(We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

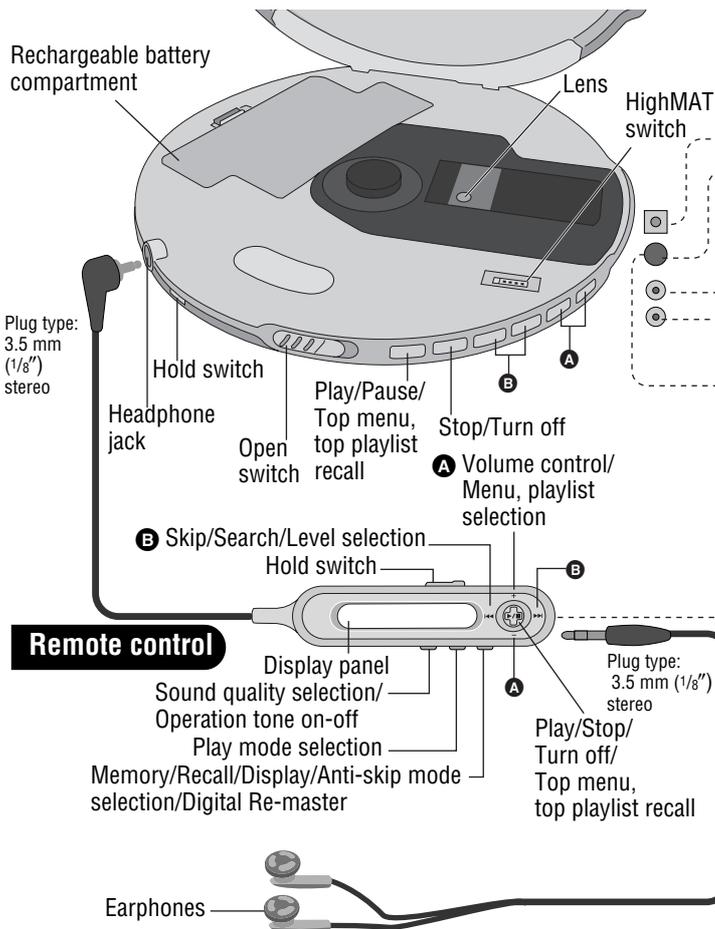
For hearing or speech impaired TTY users, TTY : 1-866-605-1277

Service in Puerto Rico

Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company/Factory Servicenter:
Ave. 65 de Infanteria, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985
Phone (787)750-4300, Fax (787)768-2910

Location of controls/Connection to other equipment

Main unit



- Turn off this unit and the other equipment before connection.
- If you don't want the remote control sound turn it off. (⇔ page 5)

■ To battery case terminal (EXT BATT) External battery case



■ To magnetic adaptor terminal



■ To DC IN jack

Car power adaptor (SH-CDC9) (not included)
You can recharge the batteries with this connection.

■ To remote control jack

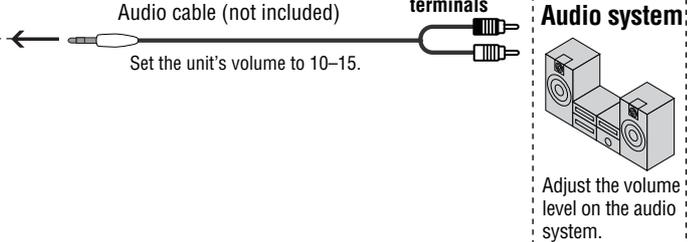
Car stereo cassette adaptor (SH-CDM10A) (not included)
Set the unit's volume to 10-15.

Car audio

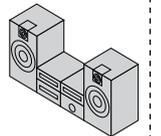


Some cannot be connected.

■ To CD or AUX terminals



Audio system



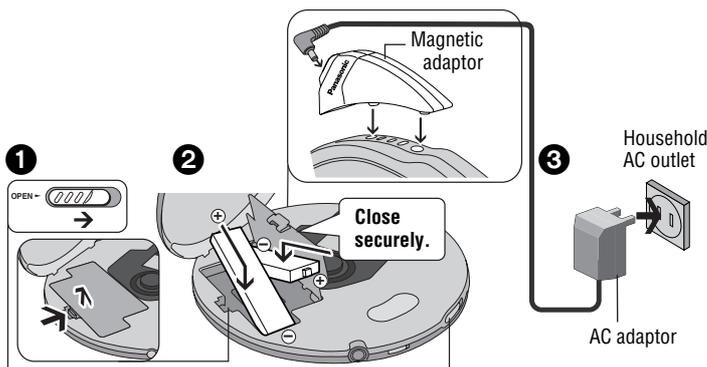
Adjust the volume level on the audio system.

Power Supply

Rechargeable batteries

Recharge before initial use.

Turn the unit off before recharging.



Recharging starts.

Buttons flash sequentially.

Recharging complete.

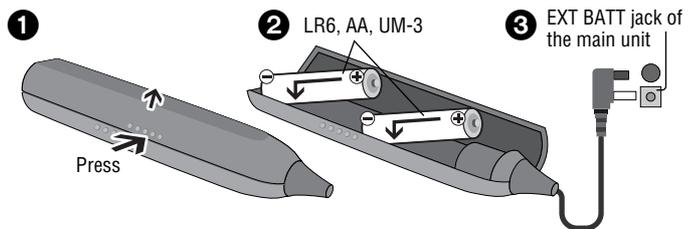
Flashing stops.
(Approximately 5 to 6 hours)

- You can also connect the AC adaptor directly to the DC IN jack.
- You can recharge the batteries before they are fully discharged.
- Press the ⊖ end and lift out to remove.
- Fit the battery lid so it is secure and flush with the battery compartment. If it comes loose, it may scratch your discs.
- Keep the magnetic adaptor away from items easily influenced by magnetism (e.g., bank cards, commuter passes, and clocks).

Conserving power

If you are not going to be using for a long time, we recommend removing the AC adaptor from the household AC outlet. 1.6 W of power is consumed by the AC adaptor even if the main unit is not connected.

Dry cell batteries (not included)



Play time (⇔ Specifications, page 2)

You can get longer play by using the rechargeable and dry cell batteries together.

The battery indicator

■ While the unit is on



The unit switches off shortly after the indicator starts flashing.

- Before playing starts the battery indicator may flash although the batteries are not drained. It appears correctly once you start play.

■ While the unit is off

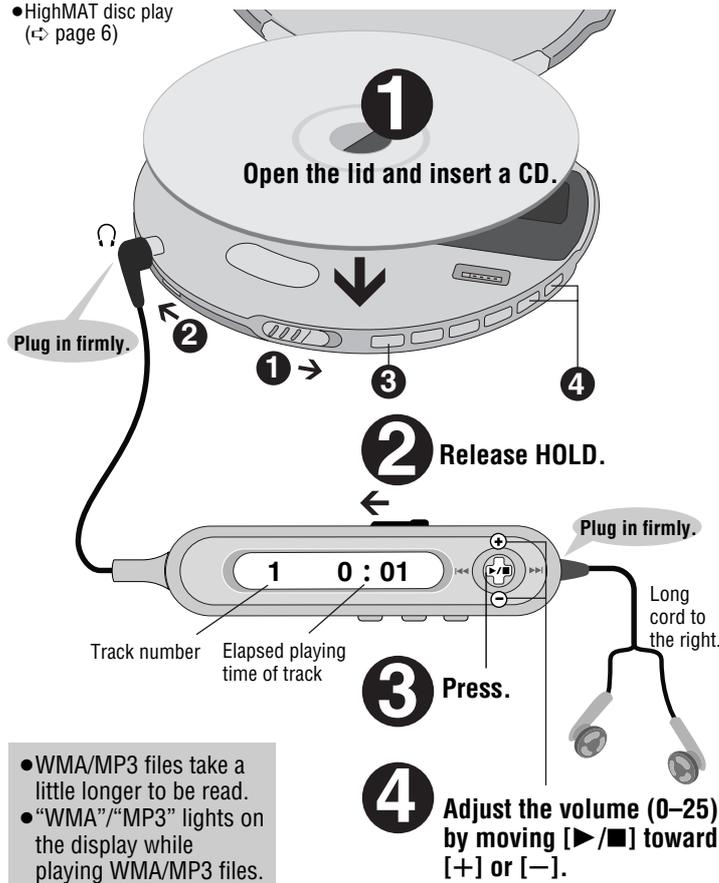
Release HOLD on the main unit (⇔ page 5) and press [VOL, +, BATT CHECK].

The number of buttons on the main unit that light indicates the charge.

How to Use

Playback

- HighMAT disc play (⇨ page 6)



- WMA/MP3 files take a little longer to be read.
- "WMA"/"MP3" lights on the display while playing WMA/MP3 files.

Pause

Remote control

Not available.

Main unit



Press.

- Press again to restart play.

Search

Remote control



Move and hold during play.

Main unit



Press and hold during play.

- You cannot search while playing WMA/MP3.
- You can search only within the current track during program, one track repeat, random, random repeat and AB repeat play modes (⇨ below).

Skip

Remote control



Move.

Main unit



Press.

- Move or press [◀◀] twice to skip to the beginning of the previous track during play.
- You cannot use [◀◀] to skip to the previous track during random play (⇨ below).

Stop/Turn off

Remote control



Press.

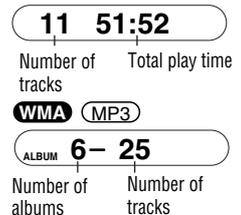
Main unit



Press.

- Press and hold to turn the unit off.

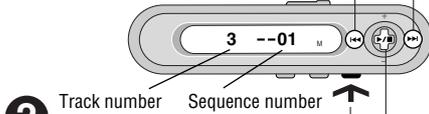
- Press again to turn the unit off.



Other Play Methods

Program Play

- While stopped, move [▶/■] toward [◀◀] or [▶▶] to select the track. You can skip albums when programming WMA/MP3 tracks (⇨ page 6).

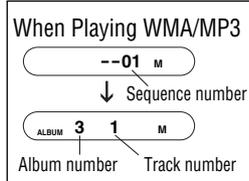


- Press [•MEMO/ = DISP] to register.

- Repeat steps 1 and 2 to register up to 20 tracks.

- Press [▶/■] to start play.

- To operate when using a HighMAT disc, turn off the HighMAT function (Switch HighMAT to off).



- To confirm the contents of the program

Press [•MEMO/ = DISP] while the disc is playing.

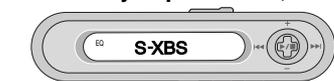
- To cancel program play

Press [▶/■].



Changing the sound quality

Each time you press [EQ], while displayed



["EQ" disappears from the display (canceled)]

- The effect may differ between different kinds of music.

Play modes

Each time you press [MODE]



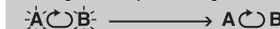
During play

or
While paused



- Specifying the AB segment

Press [•MEMO/ = DISP] at the start point (A) and once more at the end point (B).



- Stop or skip (⇨ above) to cancel.
- If you do not specify point B and reach the end of disc, point B is set automatically and repeat begins. You can also specify point B again by pressing [•MEMO/ = DISP].

- You cannot select "RND" and "A B" while playing WMA/MP3.

- To operate excluding "RND", "A B" when using a HighMAT disc, turn off the HighMAT function (Switch HighMAT to off). (⇨ left)

Anti-Skip System

This system reduces skipping caused by vibration to a minimum.

You can change the anti-skip memory time for CD-DA to improve sound quality.

While stopped, each time you press and hold [•MEMO/ = DISP]

POS 1 ← → POS 2

Anti-skip enhanced mode, Sound enhanced mode,
180-second anti-skip memory 45-second anti-skip memory

- You cannot change the memory time for WMA/MP3. It is a maximum of 800 seconds for WMA recorded at 64 kbps and 400 seconds for MP3 recorded at 128 kbps.

Other remote control functions

- Changing the operation tone

Each time you press and hold [EQ]

BP OFF (tone off) ↔ BP ON (tone on)

- Adjusting the contrast of the display (main unit only)

- Set to HOLD while stopped.

- While pressing and holding [▶/■], press [+] (darker) or [-] (lighter).

Adjust if unlit parts of the display are too dark or if the display is too light to read.

Playing WMA/MP3

HighMAT disc play

HighMAT

HighMAT is a new format management standard used for writing audio/video and still image files to CD-R/RW. You can add track titles, artist names and record playlist settings which allows you to easily search large volumes of files for play. You can play discs recorded with WMA/MP3 audio files on this unit.

- You cannot play discs recorded using Windows Media Audio 9 Professional/Lossless/Voice.



HighMAT™ and the HighMAT logo are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

Preparation:

Before inserting the disc, turn the HighMAT switch on. When the switch is off the HighMAT features do not work and the unit plays as normal.



- 1 When the unit is off, press [▶/■] (remote control)/press [▶/■] (main unit).

- 2 ■ Selecting the menu/playlist

Remote control Move.

Main unit Press.

■ Changing levels

Remote control Move.

Main unit Press.



Select a playlist following a combination of the operations indicated above.

- 3 Press [▶/■] (remote control)/press [▶/■] (main unit) to start play.

- Press [▶/■] (remote control)/press [■] (main unit) to display the playlist selection menu.

■ Returning to the previous level

When the playlist selection menu appears, move [▶/■] toward [◀◀] (remote control)/press [◀◀] (main unit).

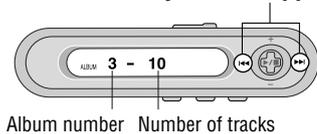
- Continuing this operation returns you to the top level.
- Move and hold [▶/■] toward [◀◀] (remote control)/press and hold [◀◀] (main unit) to return to the top menu.

Starting play from an album (Album skip)

Move and hold [◀◀] or [▶▶] until the album you want appears.

Main unit Press and hold.

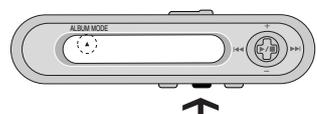
- Skips by group when playing a HighMAT disc (only the group number and the first track number is displayed).



Album number Number of tracks

Playing only the tracks in a selected album (Album mode)

Each time you press and hold [MODE]

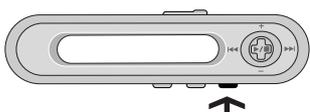


Album mode No display (canceled)

- You can select another album with album skip (+) above.
- The album mode cannot be set when using a HighMAT disc and during program play.

Changing the display

Each time you press and hold [MEMO/ DISP] during play



Album title → Track title → Tag artist name
Track number and elapsed play time ← Tag track title ←

- Up to 32 characters can be scrolled in the display. “~” is displayed in excess of 32 characters.
- “ ” is displayed in place of characters this unit cannot display.
- “ ” is displayed before the tag artist name and “ ” is displayed before the tag track title. “ ” appears instead if tags haven't been entered.
- Only the track number being played, elapsed play time, HighMAT data artist name and track name are displayed when using a HighMAT disc.

Enjoying even more natural sound (Digital Re-master)

You can regenerate signal frequency lost during compression, restoring to near pre-compression form.

While stopped, each time you press and hold [MEMO/ DISP]

RM ON ← → RM OFF

Sound enhanced

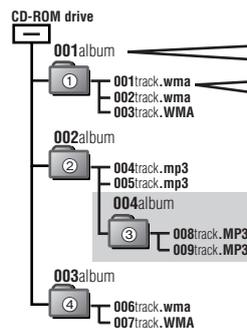
Conserves battery life

WMA/MP3

This unit can play WMA and MP3, two methods of compressing audio, without overtly hurting audio quality.

■ When creating WMA/MP3 files to play on this unit

Disc formats: ISO9660 level 1 and level 2 (except for extended formats)



Naming tracks and albums

Prefix with 3-digit numbers in the order you want to play

The extension for MP3 is “.mp3” (or “.MP3”) (or .WMA)

Limited to 32 characters
ID3 tags are limited to 30 characters

If you created an album such as 004album on the left, the files may not play in name order. The albums would play in the order ①, ②, ③, ④.

■ Limitations on WMA/MP3

- Only the artist name and track title ID3 tags (Version 1.0 and 1.1), WMA tags and HighMAT data artist name and track title are displayed.
- This unit is compatible with multi-session but if there are a lot of sessions it takes more time for play to start. Keep the number of sessions to a minimum to avoid this.
- This unit cannot play files recorded using packet write.
- If a CD-ROM format CD contains WMA/MP3 and files other than WMA/MP3, only the WMA/MP3 files will be playable.
- Depending on how you create WMA/MP3 files, they may not play in the order you numbered them or may not play at all.



Windows Media, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

WMA is a compression format developed by Microsoft Corporation. It achieves the same sound quality as MP3 with a file size that is smaller than that of MP3.