

## Operating Instructions Portable CD Player

### Model No. SL-SV590

#### Dear Customer

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



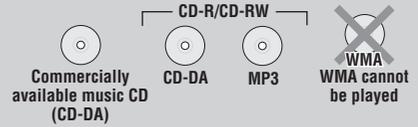
#### HOLD (Function lock)

The hold function stops the buttons from being operated. By keeping the hold function on, you can stop the power from being switched on, play from being stopped and other operations from being done by mistake.

#### Resume function

Play resumes from where last stopped. [The resume function is canceled if you open the lid while stopped (while the power is ON). The resume function is also canceled when the disc is changed.]

#### Discs that can be played



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

Panasonic Puerto Rico, Inc.  
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](http://www.panasonic.ca)  
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F1205ST0

## Troubleshooting guide

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the solutions 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 2 if you reside in Canada.

<p><b>No play.</b></p>	<ul style="list-style-type: none"> <li>• HOLD is on, stopping buttons from being operated. Cancel HOLD (⇔page 4).</li> <li>• The batteries may be drained (⇔page 4).</li> <li>• The disc isn't correctly set.</li> <li>• The disc is scratched or dirty. (Tracks may be skipped particularly with MP3 discs.)</li> <li>• There is moisture on the lens. Wait for about an hour and then try again.</li> <li>• The lens is dirty: clean it with a blower (recommended product: <b>SZP1038C</b>). You cannot use a CD type lens cleaner. If the lens gets marked with fingerprints, gently wipe them off with a cotton swab.</li> <li>• Remove the plug and reinsert it as fully as possible.</li> <li>• The unit may not read a track properly if shaken strongly during disc reading.</li> <li>• If there is no data between sessions on a multi-session disc, play may not be possible.</li> <li>• If there is a large amount of JPEG data etc. within an MP3 file, sound may be muted and play may not be possible.</li> <li>• If the disc contains data with different formats, sound may be muted and play may not be possible.</li> <li>• If a CD-ROM format disc contains MP3 and other files, only the MP3 files will be playable.</li> </ul>	<p><b>Play doesn't resume from the last point stopped.</b></p>	<ul style="list-style-type: none"> <li>• This doesn't work during random play.</li> <li>• It may not work correctly under some conditions.</li> </ul>
<p><b>No sound or there is a lot of noise.</b></p>	<ul style="list-style-type: none"> <li>• Ensure the plugs are inserted firmly.</li> <li>• Wipe the plugs with a clean cloth.</li> <li>• The disc is scratched or dirty.</li> <li>• Sound may be interrupted or noise may occur if the recording quality of the disc (CD-R/CD-RW) is poor.</li> <li>• The elapsed play time disappears and sound is interrupted if bumps continue repeatedly.</li> <li>• Increase separation between the unit and mobile phones. This unit may receive radio interference caused by the mobile phones during use.</li> </ul>	<p><b>Play doesn't start from the first track.</b></p>	<ul style="list-style-type: none"> <li>• Random play modes may be on (⇔page 5).</li> <li>• The resume function (⇔above) is operating. The resume function is canceled if you open the lid while stopped (while the power is ON).</li> </ul>
<p><b>Disc rotation stops and starts during play.</b></p>	<p>Disc rotation stops and starts to save power.</p>	<p><b>Cannot search through tracks.</b></p>	<p>You cannot search through a disc with MP3 files.</p>
<p><b>Operation sounds are heard from the unit.</b></p>	<p>There is some sound heard when a disc is being accessed or disc rotation starts.</p>	<p><b>Cannot specify point A or B.</b></p>	<p>You may not be able to specify point A or B at the end of a disc.</p>
	<p><b>Cannot change the anti-skip mode.</b></p>	<p>If [◀◀] or [▶▶] is pressed before [MEMO] you cannot change the mode.</p>	
	<p><b>Digital Re-master does not work.</b></p>	<p>Depending on the type of MP3 disc recording, the effect may not appear.</p>	
	<p><b>Cannot skip albums.</b></p>	<p>You cannot skip from the last to first album, or vice versa, during play.</p>	
	<p><b>Radio reception is noisy.</b></p>	<p>Keep the unit away from televisions and other tuners.</p>	
	<p><b>Cannot listen to AM.</b></p>	<p>This unit only supports an FM tuner.</p>	
	<p><b>The battery indicator fails to appear or is incorrect.</b></p>	<p>The indicator may not appear correctly under certain conditions.</p>	
	<p><b>The unit stops working.</b></p>	<p>Remove the batteries then insert them again.</p>	
	<h2>Display</h2>		
	<p><i>hold</i></p>	<p>HOLD is on, stopping buttons from being operated. Cancel HOLD (⇔page 4).</p>	
	<p><i>no disc</i></p>	<ul style="list-style-type: none"> <li>• You haven't inserted a disc or it isn't inserted correctly.</li> <li>• You have inserted a disc this unit cannot play.</li> </ul>	
	<p><i>OPEN</i></p>	<p>The disc lid is open.</p>	
	<p><i>F</i></p>	<p>The program already contains 20 tracks.</p>	
	<p><i>3</i></p>	<p>Reading MP3 files.</p>	

# Specifications

## Play time

Using on a flat stable surface at 25 °C (77 °F), all sound quality effects are canceled, Hold is on, Anti-skip is on POS 1 (CD-DA) and recommended bit rate (MP3: 128 kbps). Play times are in hours and approximate.

- The play time may be less depending on the operating conditions.
- Play time will be considerably reduced when playing CD-RW.

Batteries used	MP3	CD-DA	Radio (FM band)
2 alkaline batteries (LR6)	75	33	33

## CD Section

### 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 -7.0 dB)

Headphone output level:

RMS max. 6.5 mW+6.5 mW/16 Ω (adjustable)

### Pickup

Light source: Semiconductor laser

Wavelength: 795 nm

### MP3

Supported bit rates

(Supported variable bit rates):

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

(total no. of albums): 500

Maximum album levels: 100

## Radio section

### Frequency

Radio frequency:

FM; 87.90 MHz to 107.90 MHz (0.2 MHz steps)

87.50 MHz to 108.00 MHz (0.1 MHz/0.05 MHz steps)

### General

Dimensions (W×H×D):

138.6 mm×24.4 mm×138.6 mm

(5<sup>14</sup>/<sub>32</sub>" × 3<sup>1</sup>/<sub>32</sub>" × 5<sup>14</sup>/<sub>32</sub>"

Mass: 217 g (7.6 oz.) (with batteries)

170 g (6.0 oz.) (without batteries)

Operational temperature range:

0 °C to 40 °C (32 °F to 104 °F)

### Note:

Specifications are subject to change without notice.

Mass and dimensions are approximate.

# 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.

## CDs

- Do not use irregularly shaped CDs.
- Do not use non-specification CDs.
- 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 Caution



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.

# 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!

**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.**

## 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.**

Marking sign is located on bottom of the unit.

## 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" on page 3.

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

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

### FCC 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.

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.

Responsible Party:

Panasonic Corporation of North America

One Panasonic Way

Secaucus, NJ 07094

Telephone No.: 1-800-211-7262

MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.

## Panasonic Audio Products Limited Warranty

### Limited Warranty Coverage

If your product listed below does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Puerto Rico, Inc. (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
Radio, Clock Radio, Radio with Tape Player or Recorder, Portable CD Player, IC Recorder, Headphone Stereo, Tape Recorder	One (1) Year	One (1) Year
Rechargeable batteries (in exchange for defective item)	Ten (10) Days	Not Applicable
SD Memory Card (in exchange for defective item)	Ninety (90) 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". A purchase receipt or other proof of the original purchase date is required for warranty service.

### To obtain service in the USA please contact:

Panasonic Services Company, Panasonic Plus Department  
20421 84th Avenue South  
Kent, WA 98032  
Tel: 1-800-833-9626 Fax: 1-800-237-9080

For assistance in Puerto Rico call Panasonic Puerto Rico, Inc. (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/consumersupport>

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

### 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, cost of having someone remove or re-install an installed unit if applicable, 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@us.panasonic.com](mailto:npcparts@us.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

**Panasonic Puerto Rico, Inc.**

Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina,

Puerto Rico 00985

Phone (787) 750-4300, Fax (787) 768-2910

F1104

## ONLY FOR CANADA

Panasonic Canada Inc.

## PANASONIC/TECHNICS PRODUCT — LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

**Technics Audio Product  
Panasonic Audio & DVD Product  
Accessories including rechargeable batteries**

**One (1) year, parts and labour  
One (1) year, parts and labour  
Ninety (90) days**

In-home Service will be carried out only to locations accessible by roads and within 50 km of an authorized Panasonic service facility.

### LIMITATIONS AND EXCLUSIONS

This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty.

This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of date of original purchase is required before warranty service is performed.

**THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

**IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.**

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

### WARRANTY SERVICE

**FOR PRODUCT OPERATION ASSISTANCE**, please contact:

Our Customer Care Centre:	Telephone #:	(905) 624-5505
	1-800 #:	1-800-561-5505
	Fax #:	(905) 238-2360
	Email link:	"Contact Us" on <a href="http://www.panasonic.ca">www.panasonic.ca</a>

**FOR PRODUCT REPAIRS**, please locate your nearest Authorized Servicentre at [www.panasonic.ca](http://www.panasonic.ca) :

Link: "Servicentres™ locator" under "Customer support"

Panasonic Factory Service:

**Richmond British Columbia**  
Panasonic Canada Inc.  
12111 Riverside Way  
Richmond BC V6W 1K8  
Tel: (604) 278-4211  
Fax: (604) 278-5627

**Mississauga, Ontario**  
Panasonic Canada Inc.  
5770 Ambler Drive  
Mississauga ON L4W 2T3  
Tel: (905) 624-8447  
Fax: (905) 238-2418

**IF YOU SHIP THE PRODUCT TO A SERVICENTRE**  
Carefully pack and send prepaid, adequately insured and preferably in the original carton.  
Include details of the defect claimed, and proof of date of original purchase.

# Supplied accessory

Check the packing carton for this accessory.

For U.S.A.

•1 Pair of stereo headphones: LOBAD0000181

For Canada

•1 Pair of stereo earphones: LOBAB0000201

Use product numbers indicated when ordering replacements or optional accessories from your Panasonic dealer.  
(Product numbers correct as of November 2005. These may be subject to change.)  
To order accessories in the U.S.A., refer to the "Accessory Purchases" on page 3.

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-SV590**

SERIAL NUMBER \_\_\_\_\_

## User memo:

DATE OF PURCHASE \_\_\_\_\_

DEALER NAME \_\_\_\_\_

DEALER ADDRESS \_\_\_\_\_

TELEPHONE NUMBER \_\_\_\_\_

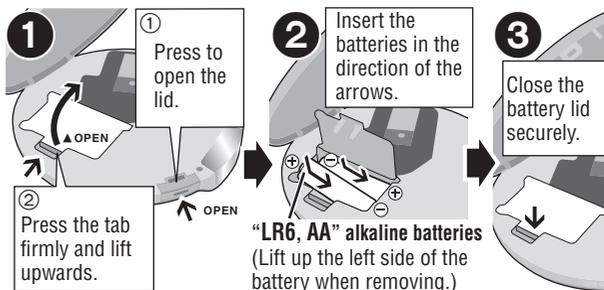
## Note about using a DualDisc

- The digital audio content side of a DualDisc does not meet the technical specifications of the Compact Disc Digital Audio (CD-DA) format so play may not be possible.
- Do not use a DualDisc in this unit as it may not be possible to insert it correctly and it may get scratched or scraped.

# Power supply

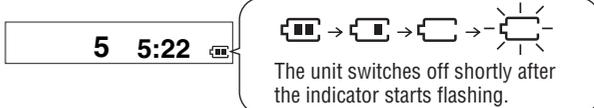
Play time ⇨ page 2, Specifications

## Dry cell batteries (not included)



- Fit the battery lid so it is secure and flush with the battery compartment. If it comes loose, it may scratch your discs.

## The battery indicator (This indicator appears when the unit is on.)



- Before playing starts the battery indicator level may temporarily go down or flash although the batteries are not drained. It appears correctly once you start play.
- The battery indicator level may differ when listening to a CD or the radio.
- The battery indicator level may briefly go down when changing from CD to radio or vice versa. It appears correctly immediately afterwards.

# Listening to CDs (Basic play)

MP3 and CD-DA indicate limitations on these discs only.

**1** Press to open the disc lid.

**2** Insert a disc and close the disc lid.

**3** Slide to cancel HOLD.

**4** Press to start playing a disc. (The power switches on and play starts.)

**5** Press to adjust the volume. (0 to 25) (VOL-: Decrease VOL+: Increase)

Make sure that the battery lid is securely closed.

Removing a disc

For U.S.A.: Headphones

For Canada: Earphones

Move this when the earphones are not in use. (Prevents tangling)

Ⓡ side for the right ear, Ⓛ side for the left ear

Insert the plug fully\*.

\* If the plug is not fully inserted, the sound may be interrupted.

## Pause

Press.

- Press again to restart play.

## Stop

Press.

CD-DA 11 51:52

Number of tracks Total play time

MP3 ALBUM 6 -- 25

Number of albums Number of tracks

## Turn off

While stopped, press.

(Everything disappears from the display.)

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

## Skip

(backward) Press. (forward)

- Press [ ] twice consecutively to skip to the beginning of the previous track while playing.
- You cannot use [ ] to skip to any previous tracks during random and random repeat play modes (⇨page 5).

## Search CD-DA

(backward) While playing, press and hold. (forward)

- You can only search within the current track except for during all track repeat (⇨page 5) and regular play.

## Album skip MP3

(backward) Until the album you want appears, press and hold. (forward)

ALBUM 3 - 10

Album number Number of tracks in the album

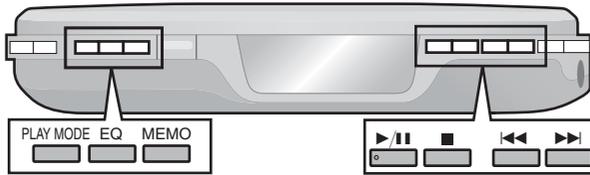
# Playback modes

MP3 and CD-DA indicate limitations on these discs only.

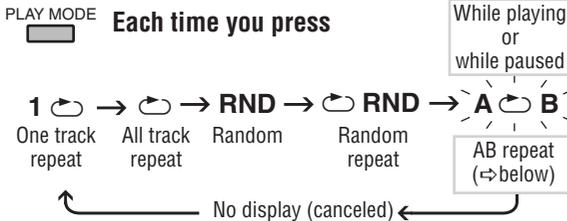
# Handy functions

MP3 and CD-DA indicate limitations on these discs only.

Side of the main unit

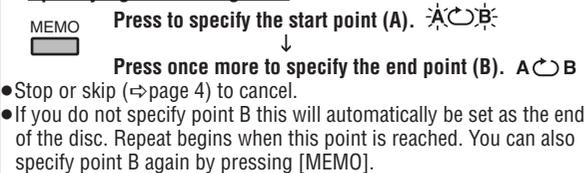


## Changing the play mode

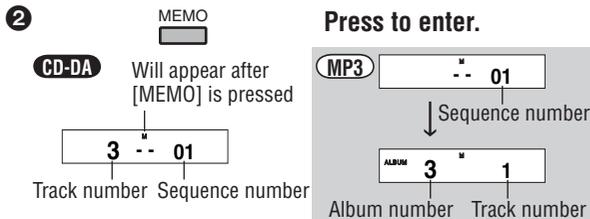


MP3 You cannot select "RND" and "A B" with MP3.

### Specifying the AB segment



## Playing desired tracks only (Program play)

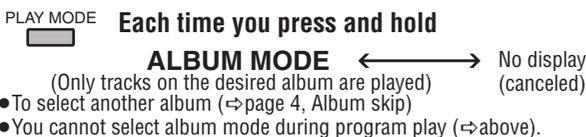


3 Repeat steps 1 to 2 to program up to 20 tracks.

4 Press to play.

Confirm tracks selected: While playing, press [MEMO].  
Cancel: Press [ ]. ("M" disappears.)

## Playing only the tracks in a selected album (Album mode) MP3



### Note on CD-R and CD-RW

For CD-DA format, use a music disc and finalize\* it after 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.

### Playing MP3

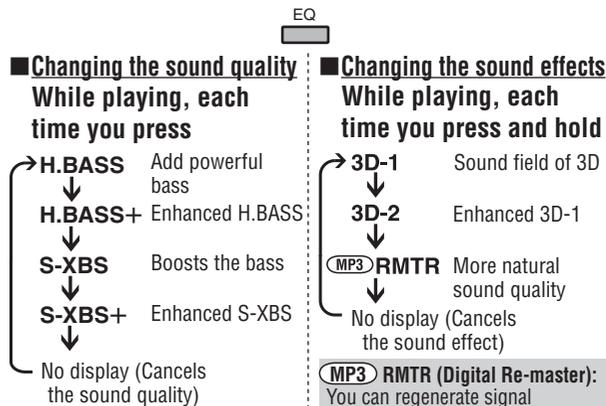
MP3: A method of compressing data with little loss to the original sound quality.

#### Unit limitations

- This unit is compatible with multi-session discs 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.
- Depending on how you create MP3 files, they may not play in the order you numbered them or may not play at all.
- You cannot play WMA files.

## Changing the sound quality/sound effects

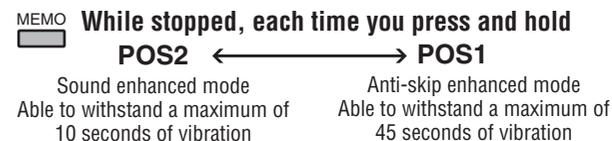
You can combine the sound quality and sound effects settings. Set the sound quality by pressing [EQ] and then the sound effects by pressing and holding [EQ]. (You can also set the sound effects first.)



- If you select 3D-1 or 3D-2, the sound volume may be reduced.
- The effect may differ with different kinds of music.
- Depending on the recording conditions, sound may be interrupted when switching between EQ settings.
- If you select 3D-1 or 3D-2 then try playing a disc that contains both CD-ROM format and CD-DA format tracks, there will be a brief noise when the disc changes from playing the CD-ROM format track to the CD-DA format one.
- If RMTR is set when playing MP3, the effect is canceled as soon as a CD-DA format track is played.
- When listening to the radio, you can only select S-XBS and S-XBS+ (⇒page 6).

## Changing the anti-skip mode CD-DA

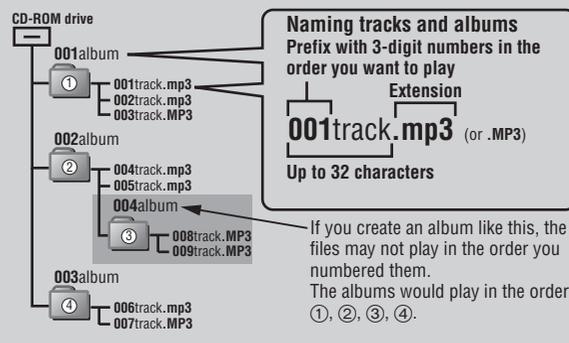
The anti-skip function (ANTI-SKIP SYSTEM) reduces or eliminates skipping caused by vibration. You can change the anti-skip memory time.



MP3 You cannot change the memory time for MP3. It is a maximum of 100 seconds for MP3 recorded at 128 kbps.

### When creating MP3 files to play on this unit

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



# Listening to the radio (FM TUNER ONLY)

**1** **HOLD**  
← cancel  
**Slide to cancel HOLD.**

**2** **RADIO** **Press to turn on the radio.**  
● Press [OPR OFF] to turn off the radio.

**3** **- +**  
**Press to select the station.**  
(-: Backward +: Forward)  
● Press and hold to scan the stations rapidly.  
● "TUNED" appears when tuned.  
● When "M" is displayed, press [TUNE MODE] to cancel it.

**4** **- VOL +**  
**Press to adjust the volume. (0 to 25)**  
(VOL-: Decrease VOL+: Increase)

Side of the main unit

RADIO FM MONO/ST  
- CITY/NOR

TUNE MODE EQ MEMO

1 107.10  
↓  
107.10

## Storing stations in memory/ Listening to a memorized station

### ■ Storing stations in memory

- TUNE MODE** Press to display "M".  
1 107.10
- Do each of the following steps within 10 seconds.
  - MEMO**  
(backward) - + (forward) **Press.**  
1 98.00  
**Press to select the frequency.**  
● Press and hold to scan the stations rapidly.
  - MEMO**  
(backward) - + (forward) **Press.**  
1 107.10  
**Press to select the memory number.**  
● Press and hold to change rapidly.
  - MEMO**  
**Press to store the station.**
- Repeat steps ① to ③ to program up to 20 stations.

### ■ Listening to a memorized station

- Perform step ① for "Storing stations in memory" (⇔ above).
- (backward) - + (forward)  
**Press to select the memorized station.**  
● Press and hold to change rapidly.  
● "TUNED" appears when tuned.
- (decrease) - VOL + (increase) **Press to adjust the volume.**

### Erasing a memorized station:

- Perform step ① for "Storing stations in memory" (⇔ above).
- (backward) - + (forward)  
**Press to select the memorized station to be erased.**  
● Press and hold to change rapidly.
- Do each of the following steps within 10 seconds.
  - MEMO** **Press.**  
● The frequency number flashes.
  - MEMO** **Press and hold until "- - -" flashes.**  
1
  - MEMO** **Press.**

### To obtain good reception

The headphone/earphone cord is also the FM antenna so extend it instead of leaving it coiled.

-If you see this symbol-



### Information on Disposal in other Countries outside the European Union

This symbol is only valid in the European Union. If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

## Receiving an FM broadcast clearly

Set to "CITY" if reception is poor or if there is interference from another station.

- CITY/NOR** Each time you press and hold  
CITY ↔ No display (canceled)

## Selecting stereo or monaural FM

Set to "MONO" when there is noise during FM reception. Sound becomes monaural, but noise is reduced.

- FM MONO/ST** Each time you press  
MONO ↔ No display (stereo)

## Sound quality

- EQ** Each time you press  
S-XBS → S-XBS+ → No display (canceled)  
Boosts the bass Enhanced S-XBS

● The effect may differ with different kinds of music.

## When using overseas

Change the frequency step according to the area.

- RADIO** **Press and hold until the step appears.**  
U0.2
- Do each of the following steps within 10 seconds.
  - (backward) - + (forward) **Each time you press either to select**  
U0.2 ↔ U0.1 ↔ E  
FM 0.2 MHz (original setting) FM 0.1 MHz FM 0.05 MHz
  - MEMO** **Press and hold until the frequency appears to confirm the step.**

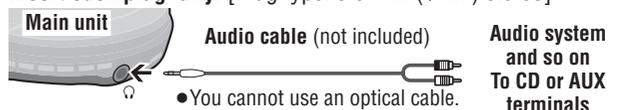
### Returning to the previous frequency step:

Repeat the above procedure.

● Changing the step erases the stations you stored in memory.

## Connecting to other equipment

Turn off this unit and the other equipment before connection. Insert each plug fully. [Plug type: 3.5 mm (1/8 in.) stereo]



When connecting the unit to other equipment, set the volume level between 10 to 15, then use the volume control on the other equipment to adjust the volume.