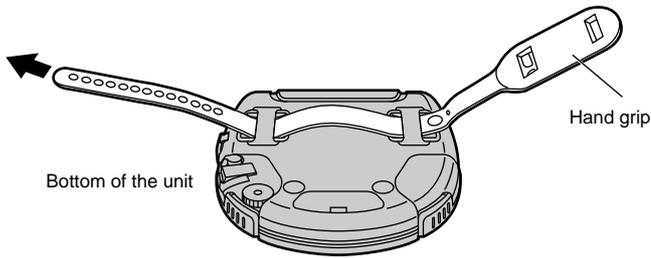


Attaching the hand grip

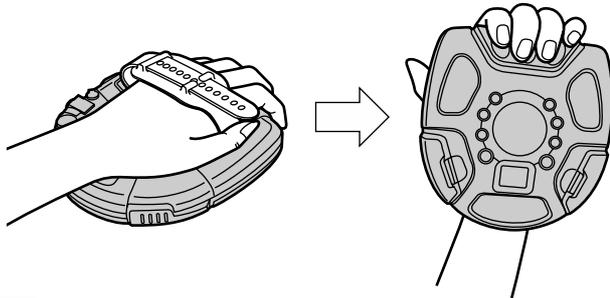
Attach the included hand grip to make it easier to carry while jogging.

- 1 Thread the strap through the loops on the bottom of the unit.



- 2 Adjust the buckle and fix it in place.

While jogging, hold the unit as shown.



Note
To prevent sound being interrupted while jogging, turn on the anti-skip function (page 5).

Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully.

SL-SW891C ONLY

To install this product in a car, please refer to the "Installation Instructions" (attached sheet).

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 _____
SERIAL NUMBER _____

Model No.
SL-SW895/SL-SW890
SL-SW891C



The SL-SW891C model is only for Canada.



Supplied Accessories

Check the packing carton for these accessories.

AC adaptor (RFEA415C-1S)	1
Stereo headphones	1
SL-SW895 (RFEV505P-S1S)	
SL-SW890/SL-SW891C (RFEV708P-HS)	
Hand grip (RGQT0006-K)	1
SL-SW891C ONLY	
Car adaptor (SH-CDC12PEY)	1
Car stereo cassette adaptor (SHCDM10B1PYK)	1

Use numbers indicated in parentheses when asking for replacement parts.
(Only for U.S.A.) To order accessories contact 1-800-332-5368 or web site (<http://www.panasonic.com>).

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>

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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Precautions

Before using this unit, be sure to read the applicable items of the operating instructions and these safety suggestions carefully.

Afterwards keep them handy for future reference. Take special care to follow the warnings indicated on the unit itself as well as in the operating instructions.

Safety

1. **Power Source**—The unit should be connected to power supply only of the type described in the operating instructions or as marked on the unit. Use only the AC adaptor or car adaptor described in the operating instructions when recharging.
2. **Polarization**—If the unit is equipped with a polarized AC power plug (a plug having one blade wider than the other), that plug will fit into the AC outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
3. **Care of AC adaptor**—Take care that the cord of the AC adaptor should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Never take hold of the AC adaptor if your hand is wet, and always grasp the plug body when connecting or disconnecting it.
4. **Nonuse Periods**—When not in use, be sure to disconnect the AC adaptor from the AC power outlet.

5. **Batteries**—If the set is not used for a long period of time or is used only from an AC power source, remove all the batteries to prevent potential damage due to possible battery leakage. Do not mix batteries (old and new) or different types of batteries.

Installation

Environment

1. **Water and Moisture**—Do not use this unit near water—for example, near a bathtub, washbowl, swimming pool, or the like. Damp basements should also be avoided.
2. **Condensation**—Moisture may form on the lens in the following conditions...
 - immediately after a heater has been turned on.
 - in a steamy or very humid room.
 - when the unit is suddenly moved from a cold environment to a warm one. If moisture forms inside this unit, it may not operate properly. To correct this problem wait about one hour for the moisture to evaporate.
3. **Heat**—Never use or place this unit near a heat source. Do not leave it in an automobile exposed to direct sunlight for a long time with the doors and windows closed as this may deform the cabinet.

Placement

1. **Foreign Material**—Care should be taken so that objects do not fall into and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration, or shock.
2. **Magnetism**—The unit should be situated away from equipment or devices that generate strong magnetic fields.
3. **Stacking**—Do not place any objects, on top of the unit.
4. **Wall or Ceiling Mounting**—The unit should not be mounted to a wall or ceiling, unless specified in this operating instructions.

Maintenance

(See page 5 for details.)

Clean the cabinet, panel and controls with a soft cloth lightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

Service

1. **Damage Requiring Service**—The unit should be serviced by qualified service personnel when:
 - (a) The AC adaptor is damaged; or
 - (b) Objects have fallen or liquid has been spilled into the unit; or
 - (c) The unit has been exposed to rain; or
 - (d) The unit does not appear to operate normally or exhibits a marked change in performance; or
 - (e) The unit has been dropped, or the enclosure damaged.
2. **Servicing**—The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to an authorized service personnel.
In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or e-mail consumerproducts@panasonic.com, or web site (<http://www.panasonic.com>).
In Canada, contact Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or web site (www.panasonic.ca), or an authorized Servicentre nearest you.



RQT5963-P
F0201KK0

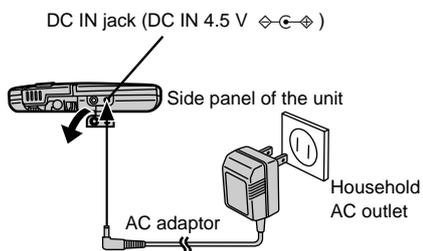
This manual was printed with soy based ink. Printed in Japan

Power Supply Preparations

Refer to the specifications (page 8) for information on operating times when using rechargeable batteries or dry-cell batteries.

Using the AC adaptor

Take off the attached rubber cap and connect the AC adaptor supplied.



Note
Turn the unit off before connecting or disconnecting the AC adaptor.

Conserving power

The AC adaptor consumes 2.0W when the unit is turned off with [■, OPR OFF]. To save power when the unit is not to be used for a long time, unplug the AC adaptor from the household AC outlet. Reprogram tracks if necessary before use.

Using rechargeable batteries (not included)

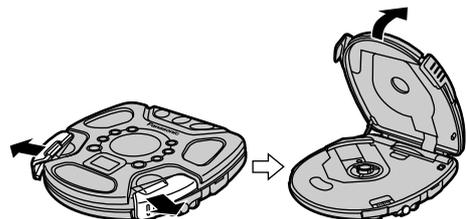
Obtain the optional rechargeable batteries.

•Optional batteries (P-3GAVA/2B)

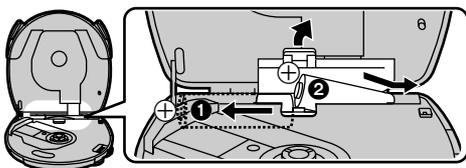
Make sure to recharge the batteries before using them. The unit cannot be used to charge rechargeable batteries other than those specifically designed for it.

Recharging procedure

1 Open the dual locks with both hands and raise the disc lid.



2 Open the battery lid, and place the rechargeable batteries inside the unit.



Be sure to close the battery lid properly.

3 Take off the attached rubber cap and connect the AC adaptor.

Refer to "Using the AC adaptor" for connection instructions.

When recharging starts, the "CD" charging indicator flashes on the unit's display.

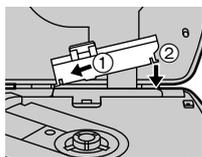
4 When recharging is complete, unplug the AC adaptor from the household AC outlet and the DC IN jack.

Note

- Rechargeable batteries have a service life of approximately 300 charge-discharge cycles. If the operating time on one full charge becomes noticeably shorter than it used to be, the battery has reached the end of its service life and should be replaced.
- Recharging only be performed when the unit is powered off. (It is not possible to recharge the batteries while playing a CD.)
- The AC adaptor and rechargeable batteries may become warm while recharging is in progress. This is not a malfunction.
- Turn the unit off before replacing the rechargeable batteries.

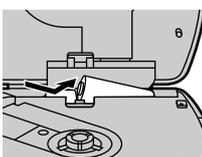
If the battery lid comes loose

Insert the protrusions on the lid into the cutouts on both sides of the compartment.



Removing batteries

Push up on the battery in the direction indicated by the arrow, then lift out.



Using the car adaptor

The SL-SW891C comes with a car adaptor. Be sure to use the adaptor specially designed for this model. (Refer to the separate installation instructions.)

Be sure to obtain the car adaptor (SH-CDC9), available as an optional accessory for SL-SW895 and SL-SW890. The car adaptor can be used to recharge the unit's batteries while in the car.

For SL-SW895/SL-SW890

CAUTION:

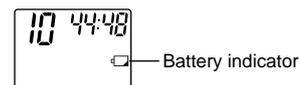
Use only car adaptor, Model: SH-CDC9 manufactured by Matsushita Electric Industrial Co., Ltd.

Using dry-cell batteries (not included)

After disconnecting the AC adaptor, insert two "AA" (LR6) alkaline batteries.

The procedure for inserting and removing dry-cell batteries is identical to that for rechargeable batteries.

Battery indicator



This indicator flashes when the batteries are almost out of power. Power is cut off completely a short while later.

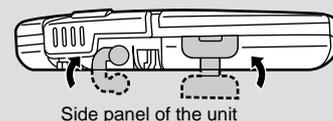
Rechargeable batteries: Recharge batteries.

Dry-cell batteries: Replace batteries with new ones.

Note

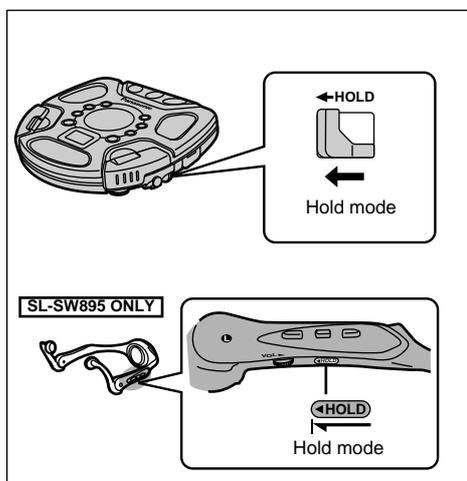
- The length of time the unit will continue to operate between when the battery indicator starts flashing and when the power is cut off differs depending on the type of batteries used.
- The battery indicator may not flash if rechargeable batteries, other than those designated by Panasonic, are used.

If the unit malfunctions or freezes during use, then disconnect the power sources (the AC adaptor or batteries). Re-connect the power source and continue operation.



Be sure to cover the headphone jack, OUT jack and DC IN jack with the rubber caps when they are not in use.

HOLD Function



This function causes the unit to ignore short, accidental button presses. (The disc lid can still be opened and closed.)

HOLD function prevents the following:

- Powering on the unit accidentally (which can cause the batteries to run down).
- Play being cut off unexpectedly in the middle of a selection.

To use the HOLD function

Set [HOLD] to the HOLD position.

SL-SW895 ONLY

The unit and the stereo headphones with a remote control have [HOLD] switches, each of which works independently.

"ho | d" indication

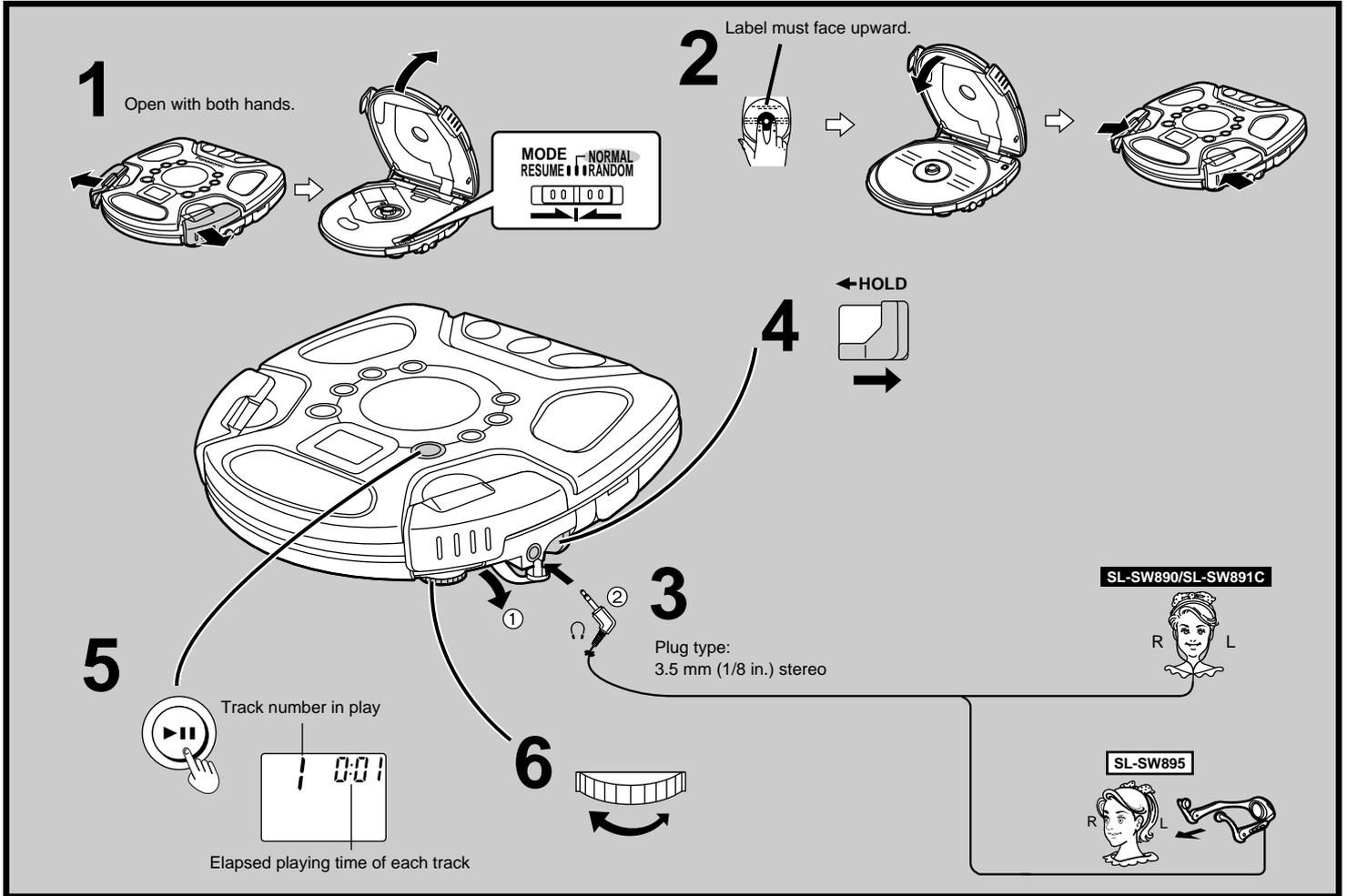
When the unit is in hold mode, pressing any button causes the indication "ho | d" to appear on the display.

When the unit is powered off:

The "ho | d" indication appears only when [▶||] is pressed.

Before operating the buttons

Be absolutely sure to move HOLD to release the unit from the hold mode.



Follow steps 1–6.

In step 3, connect the plug of the stereo headphones to the [Q] jack, and plug in firmly until you hear the second click.

- Play stops automatically when all the tracks have been played.
- If the unit has been connected to the car audio system, adjust the volume level between 5 and 8 on the unit, then adjust the volume level on the system. (The numbers indicating volume are on the bottom of the dial.)

For your reference:

“no disc” indication

This indication appears for about 30 seconds if [▶||] is pressed when no disc is loaded in the unit or if the disc is not completely seated.

“OPEN” indication

This indication appears for about 10 minutes when the cover is opened. (However, the indication does not appear when the unit is powered off.)

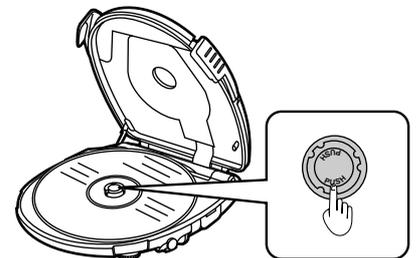
Note

Never insert foreign objects into the unit body.

Removing discs

- 1** Press [■, OPR OFF] to stop play and disc rotation.
- 2** Unlock the dual locks to open the lid.
- 3** Press [PUSH] to release the disc.

Do not stop the disc by hand or try to remove it before it stops rotating. This can damage CDs.



Auto power off function

If the unit is left in stop or paused status for approximately 10 minutes, the unit powers itself off automatically in order to prevent the battery from running down. (If no disc is loaded in the unit, it powers itself off in about 30 seconds.)

Operation	Button	Display/reference
To pause play	Press during play. 	 Press again to restart play.
To stop play Stop mode	Press during play. OPR OFF 	Total number of tracks Total playing time
To turn off the unit Off mode	Press during stop mode. OPR OFF 	
Skipping tracks	Press during play. 	<ul style="list-style-type: none"> • During program play (page 4.), these buttons are used to skip forward or back through the programmed sequence of tracks. • During random play (page 4.), the skip buttons cannot be used to skip back to tracks that were played previously in the random sequence. • During program play, random play or 1 track repeat play (page 4.), search operation is limited to the current track only.
Searching through tracks	(Backward) (Forward) Press and hold during play.	

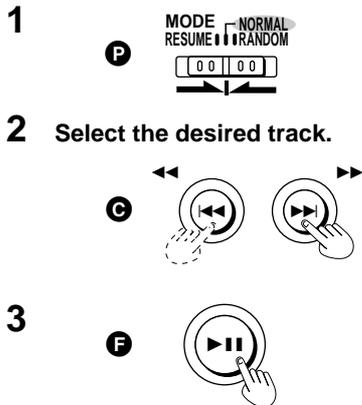
Other Play Methods

The letters such as **A** in the various illustrations refer to the descriptions in the following "Location of Controls" section.

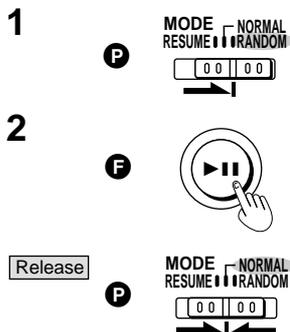
Skip play

The disc plays from the specific track through to the end, then play stops automatically.

Preparation: Put unit in stop mode.



Random play

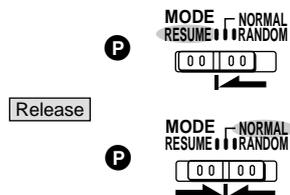


For your reference:

- It is also possible to press [▶▶] while unit is in stop mode to change the first track to be played. (All tracks are played eventually, regardless of which is played first.)
- Program play is not possible in random mode.

Resume play

This function allows you to listen from the beginning of the track where play stopped because the unit was powered off (or switched to stop mode). It is useful when listening to CDs in the car, etc.



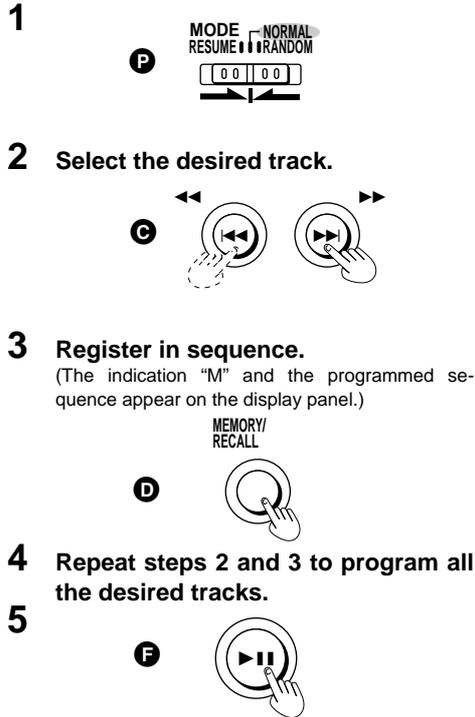
For your reference:

- If the play mode selector [MODE] is put in the [RESUME] position, the all-track repeat function will be activated automatically as soon as the unit is powered on.
- If power is cut off near the end of a track (off mode), playback may resume from the beginning of the next track in some cases.
- If the unit is powered off while a disc was playing and then a new disc is inserted, play will begin from the middle of the new disc because the unit remembers the position where play stopped on the previous disc.

Program play

Up to 24 tracks can be entered in the programmed sequence.

Preparation: Put unit in stop mode.



To program the same track in the sequence more than once

After step 3, press [MEMORY/RECALL] the desired number of times.

If "f" is displayed

No more tracks can be programmed.

To confirm the contents of the programmed sequence

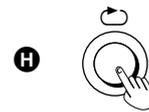
Press [MEMORY/RECALL] while the disc is playing. (The number of the programmed tracks appear on the display panel in sequence.)

To delete the entire programmed sequence

Press [M], [OPR OFF].

Repeat function

Press while disc is playing or when unit is in stop mode.



The setting is switched in the sequence indicated below each time [H] is pressed.

1-track repeat (1) (↺)

One track is repeated.

All-track repeat (ALL) (↺)

All the tracks on the disc are repeated.

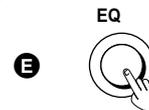
Cancel (No indicator is shown)

For your reference:

If "ALL" (↺) is selected during program play, only the tracks in the program are repeated. (The indication "ALL" is not displayed.)

Changing the sound quality

Press while disc is playing or when unit is in stop mode.



The setting is switched in the sequence indicated below each time [EQ] is pressed.

[SL-SW895]

S-XBS→VMSS→Cancel (no indicator is shown)

[SL-SW890/SL-SW891C]

S-XBS→Cancel (no indicator is shown)

S-XBS :

Select this setting to boost the low-range response.

VMSS [SL-SW895 ONLY] :

Boosts the low frequency range.

The VMSS unit of the included headphones vibrate, making the sound seem vigorous.

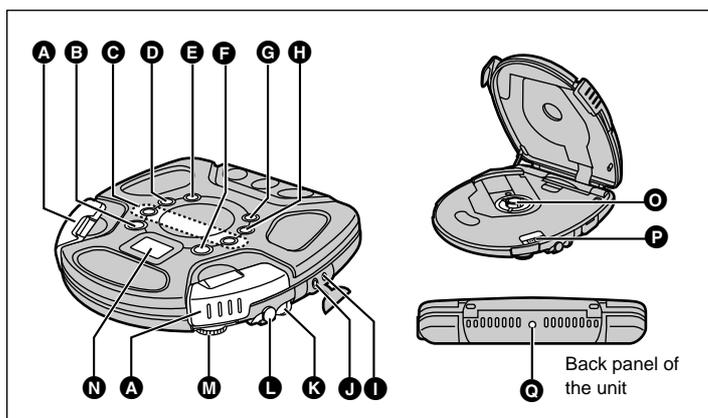
Raising the volume makes the VMSS effect intensify.



Note

- The effect may be reduced with some sources.
- The best effect is obtained by allowing the VMSS unit to directly contact the neck. Depending on how the unit is worn, the effect can be reduced.
- If you experience a ringing or discomfort in your ears while listening in VMSS mode, reduce volume or turn the VMSS mode OFF.

Location of Controls



- A** Dual lock (OPEN)
- B** Stop/operation off button (■, OPR OFF)
- C** Skip/search buttons (◀, ▶, ◀◀, ▶▶)
- D** Memory/recall button (MEMORY/RECALL)
- E** EQ button (EQ)
- F** Play/pause button (▶||)
- G** Anti-skip button (A.SKIP)
- H** Repeat button (↺)
- I** DC IN jack (DC IN 4.5 V ⚡)

- J** Out jack (OUT)
- K** Hold switch (HOLD)
- L** Headphone jack (🎧)
- M** Headphone volume control (VOLUME)
- N** Display
- O** CD release button (PUSH)
- P** Play mode selector (MODE)
- Q** Hole for car mounting base

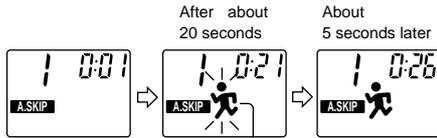
Anti-Skip System

- The thinner and lighter construction makes the unit less susceptible to vibration.
- An anti-skip mechanism prevents skipping caused when play speed changes due to swinging of the unit.
- A recovery system immediately returns the laser pick-up to its original position if it is knocked off the track by a strong shock.
- The 40-second anti-skip memory fills in interruptions caused by bumps and vibrations.

Press during play or stop mode.



The following indicator appears on the display panel.



The jogger indicator starts flashing.

Note

Wait until the jogger indicator appears before starting to jog.

When bumps continue repeatedly

The message "SORRY" appears on the display and sound is interrupted.



The jogger indicator can also flash or go out under the following conditions:

- As the end of the last track approaches.
- As the end of a track approaches during random play, program play, and 1 track repeat play.
- If the track in play or next track is extremely short.

To cancel the anti-skip function

Press [A.SKIP] again.

Note

- The anti-skip setting can be changed during play, but this may cause a slight interruption in the sound because the disc's rotational speed changes.
- During anti-skip operation, the disc rotates at a higher rate than usual in collecting extra audio data. This could result in a slight increase in disc rotation noise.

Listening to sound with the unit connected to an audio system

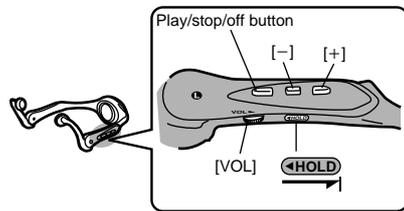
The anti-skip function uses digital signal compression technology. It is recommended that the anti-skip function be canceled if the unit is connected to a home audio system.

Using Stereo Headphones with Remote Control

SL-SW895 ONLY

The remote control can be operated regardless of the HOLD mode of the unit.

Preparation: Release the remote control from the HOLD mode.



Operation confirmation tones

When an operation button is pressed, a confirmation tone sounds. Refer to the parentheses in the illustration for the different types of confirmation tones.

How to use the remote control

To start play	Press once during off or stop mode. (Beep)
To stop play	Press once during play. (Beep...Beep)
To turn off the unit	Press and hold during play or stop mode. (Beep...Bee...p)

Skipping tracks	Press once during play. Backward (Beep Beep Beep) Forward (Beep Beep)
Searching through tracks	Press and hold during play.
To adjust the volume	[VOL] on the remote control adjusts volume only. To adjust the VMSS effect, use [VOLUME] on the main unit.

Using the Unit with Optional Accessories

Using the unit with an audio system

Using a stereo connection cable (not included), you can listen to CDs through your audio system.

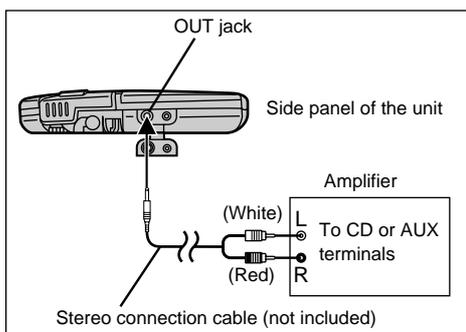
- Connect the cable to the amplifier after turning off its power.
- Do not connect the cable to the PHONO jacks on the amplifier.
- Obtain the optional connecting cable if the amplifier comes with mini-phone jacks.
- Adjust the volume level on the amplifier.

SL-SW895 ONLY

You can connect speakers, active or otherwise, with an impedance of 1kΩ or less to the headphone jack. Set the unit's volume between 5 and 8.

Note

Sound quality changes when S-XBS or VMSS (SL-SW895 only) is selected, but volume is reduced by approximately fifty percent.



Using the unit with a car audio system

SL-SW891C comes with a car adaptor and car stereo cassette adaptor.

Items to be purchased (SL-SW895/SL-SW890)

For connection to the car audio system:

Car stereo cassette adaptor (SH-CDM10A)

Connect the car stereo cassette adaptor to the unit's headphone jack. (When doing this, keep the unit's VOLUME control at a setting between 5 and 8.)

For securing the unit and connecting the power supply:

- Car adaptor (SH-CDC9)
- Car mounting kit (SH-CDF20)

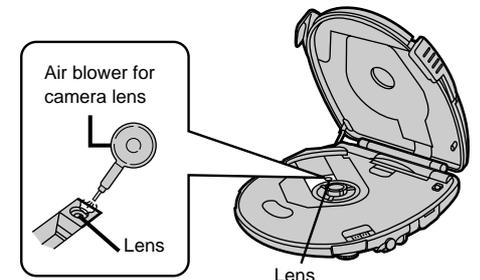
Note

It may not be possible to use the unit with some types of car stereo owing to restrictions imposed by the construction of the car stereo cassette adaptor.

For further details, refer to the instructions of the part concerned.

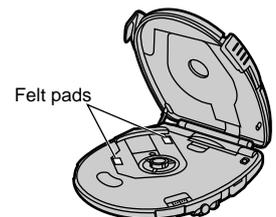
Maintaining the Lens

Open the lid and clean the lens as shown in the figure. Use a cotton swab to gently wipe off any finger-prints. Recommended product: Lens cleaner kit (SZZP1038C)



To prevent the disc from being scratched or damaged

Remove built up dust from the felt pads.



**For Product Information, Operating Assistance, Literature Request, Dealer Locations, and all Customer Service inquiries please contact:
1-800-211-PANA (7262), Monday-Friday 9 am-9 pm; Saturday-Sunday 9 am-7 pm, EST.**

**Web Site: <http://www.panasonic.com>
You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.**

Accessory Purchases:

1-800-332-5368 (Customer Orders Only)
Panasonic Services Company 20421 84th Avenue South, Kent, WA 98032
(6 am to 5 pm Monday-Friday; 6 am to 10:30 am Saturday; PST)
(Visa, MasterCard, Discover Card, American Express, Check)

Factory Servicenters Locations

CALIFORNIA

6550 Katella Avenue
Cypress, CA 90630

800 Dubuque Avenue
S. San Francisco
CA 94080

3878 Ruffin Road
Suite A
San Diego, CA 92123

COLORADO

1640 South Abilene Street
Suite D
Aurora, CO 80012

FLORIDA

3700 North 29th Avenue
Suite 102
Hollywood, FL 33020

GEORGIA

8655 Roswell Road
Suite 100
Atlanta, GA 30350

ILLINOIS

9060 Golf Road
Niles, IL 60714

1703 North Randall Road
Elgin, IL 60123
(Pick-up/Drop-off only)

MARYLAND

62 Mountain Road
Glen Burnie, MD 21061

MASSACHUSETTS

60 Glacier Drive
Suite G
Westwood, MA 02090

MINNESOTA

7850-12th Avenue South
Airport Business Center
Bloomington, MN 55425

OHIO

2236 Waycross Road
Civic Center Plaza
Forest Park, OH 45240

PENNSYLVANIA

2221 Cabot Blvd. West
Suite B
Langhorne, PA 19047

TEXAS

13615 Welch Road
Suite 101
Farmers Branch
TX 75244

WASHINGTON

20425-84th Avenue South
Kent, WA 98032

HAWAII

99-859 Iwaiwa Street
Aiea, Hawaii 96701
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Phone (787) 750-4300 Fax (787) 768-2910

F12030 As of DEC '00

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Secaucus, New Jersey 07094

Panasonic/Technics Audio Products Limited Warranty

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San Gabriel Industrial Park,
Carolina, Puerto Rico 00985

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will repair this product with new or refurbished parts in the event of a defect in materials or workmanship, free of charge, in the U.S.A. or Puerto Rico as follows (all time periods start from the date of original purchase):

AUDIO PRODUCTS—labor and parts for one (1) year.

ALL AUDIO RACKS(cabinets)—parts only 30 days.

TECHNICS STAND ALONE SPEAKERS, SUBWOOFER SPEAKERS—labor and parts for three (3) years.

USB READER-WRITER, PERSONAL COMPUTER CARD ADAPTERS—(when applicable)—exchange defective unit with a new or refurbished one for one (1) year.

ACCESSORIES—HEADPHONES, CARTRIDGES, MICROPHONES, ADAPTERS—labor and parts for ninety (90) days.

RECHARGEABLE BATTERIES—(when applicable)—exchange defective item for new one for ten (10) days. Non-rechargeable batteries are not warranted.

SD MEMORY CARDS, RECHARGEABLE BATTERY PACKS—(when applicable)—exchange defective item for new one for ninety (90) days. Non-rechargeable battery packs are not warranted.

Carry-in or mail-in service in the U.S.A. can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call toll free, 1-800-211-7262 to locate a PASC authorized Servicenter. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty service is rendered.

This warranty only covers failures due to defects in materials and workmanship

which occur during normal use and does not cover normal wear to the stylus (when applicable) or a dealer installed cartridge or stylus. The warranty does not cover damages which occur in shipment or failures which are caused by products not supplied by the warrantor, or failures which result from accident, misuse, abuse, neglect, mishandling, faulty installation, misapplication, set-up adjustments, maladjustment of consumer controls, improper operation or maintenance, improper antenna, inadequate signal reception or pick-up, alteration, modification, power line surge, improper voltage supply, lightning damage, commercial use, such as; hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.
THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. 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 above exclusions or limitations 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 Consumer Affairs Department at the company address indicated above.

Product Service

Do not attempt to remove the cover(s) or repair the unit yourself. Refer servicing to qualified personnel only.

Product information

For product service, product information or assistance with product operation, refer to the servicenter directory.

Concerning Compact Discs

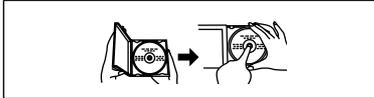


Only compact discs bearing this mark can be used with this unit.

However, continued use of irregular shape CDs can damage the unit.



How to remove a disc from its case



How to store the disc in its case



How to hold a disc



If the surface is dirty

Wipe it with a damp cloth and then wipe dry.

Wipe from the center toward the outer circumference.



Handling precautions

- If you are taking the CD from a cold to a warm environment, moisture may form on the CD. Wipe this off with a soft, dry, lint-free cloth before using the CD.
- Do not write on the label side with a ball-point pen or other writing instrument.
- Do not use record cleaning sprays, benzene, thinner, static electricity prevention liquids or any other solvent.
- Do not attach labels or stickers to CDs. (Do not use CDs with exposed adhesive from tape or left over peeled off stickers.)

- Do not use scratch-proof protectors etc.

Storage precautions

Be sure to store CDs in their cases to protect them from dust, scratches, and warping.

Do not place or store CDs in the following places

- Locations exposed to direct sunlight
- Humid or dusty locations
- Locations directly exposed to a heat vent or heating appliance
- In the glove compartment or on the rear deck of an automobile

The product you have purchased is powered by a nickel-cadmium battery which is recyclable. Please call 1-800-8-BATTERY for information on how to recycle this battery.



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 APPLIANCE TO RAIN, SPLASHING, DRIPPING OR MOISTURE.

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.

ONLY FOR U.S.A.

If you ship the product

Carefully pack and send it prepaid, adequately insured and preferably in the original carton. Attach a postage-affixed letter, detailing the complaint, to the outside of the carton.

Do NOT send the product to the Executive or Regional Sales offices. They are NOT equipped to make repairs.

Customer's Record

Model No. _____

Dealer's Name _____

Serial No. _____
or _____

Code No. _____

Dealer's Address _____

Date of Purchase _____

Specifications

Audio (Anti-skip OFF)

No. of channels: 2 (left and right, stereo)
 Frequency response: 20 to 20,000 Hz
 (+0.5 dB, -1.5 dB)
 Output voltage: 0.6 V (50 kΩ)
 S/N: More than 94 dB*
 Wow and flutter: Below measurable limit
 DA converter: 1 bit, MASH
 Headphones
 output level: Max. 9 mW+9 mW/
 16 Ω (adjustable)

Pickup

Light source: Semiconductor laser
 Wavelength: 780 nm

General

Operational
 temperature range: 0 °C–40 °C
 (32 °F–104 °F)
 Rechargeable
 temperature range: 5 °C–40 °C
 (41 °F–104 °F)
 Power supply: DC 4.5 V
 Power consumption:

Power source	Anti-skip OFF/ON
AC adaptor	2.2 W/ 2.4 W

When recharging: Approx. 4.4 W

Play time:

[When used in hold mode with EQ canceled, at 25 °C (77°F), on a flat, stable surface]

Batteries used	Anti-skip OFF/ON
2 alkaline batteries	About 20 h/25 h
Optional rechargeable batteries (P-3GAVA/2B)	About 10 h/12 h

The play time may be less depending on the operating conditions.

Recharging time (P-3GAVA/2B): About 3 hours
 Dimensions (W×H×D): 133×24.7×141.5 mm
 (5¼"×3½"×5⅝")

Mass: 327 g (11.5 oz.) (with batteries)
 282 g (10.0 oz.) (without batteries)
 *These specifications were measured in the anti-skip OFF mode.

Power consumption in standby mode : 2.0W

Note:

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

Troubleshooting Guide

Before requesting service, make the below 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:

In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or e-mail consumerproducts@panasonic.com, or web site (<http://www.panasonic.com>).

In Canada, contact Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or web site (www.panasonic.ca), or an authorized Servicentre nearest you.

Problem	Check this
Cannot close cover.	Is the disc properly secured in place?
Cannot play discs.	<ul style="list-style-type: none"> Is the unit in HOLD status? Is the disc properly secured in place? Is the disc dirty or scratched? Is there moisture condensation on the lens? (Wait for about an hour and then try again.)
Tracks on disc do not play in order, starting with the first track.	Is the [MODE] (play mode) slider in the [NORMAL] position?
Cannot hear music—too noisy.	<ul style="list-style-type: none"> Is the headphone plug inserted all the way? Is the plug dirty? (Wipe away dirt on plug.) Separate the unit from mobile phones.
TV picture is distorted. Radio reception is noisy.	Are you using the unit body too near a TV or tuner? (Keep the unit away from the TV or tuner.)

Cautions

Water Resistant (Splash Proof)

This unit is splash-proof and is not designed to be used under water.

Please note the following points to avoid possible damage to the unit and the included headphones.

- Do not immerse in water.
- Do not splash water onto the unit.
- Water in the headphones jack, OUT jack, and DC IN jack may damage the unit. Cover them with the attached rubber caps when they are not in use.
- To prevent water from entering the unit, the dual locks should be locked to close the disc lid.
- If the unit or the headphones get wet with water or sweat, dry them with a soft cloth.
- Do not open the disc lid near water or sand. Before opening or closing the disc lid, be sure to wipe off water, dust or sand on the unit and operate with a dry hand.
- Make sure there is no sand or dust around the disc lid. The disc lid will not seal properly if there is, and water may get into the unit, possibly causing a malfunction.
- Do not expose the unit or the headphones to salt water. If the unit and headphones are immersed in salt water, wash them with a little fresh water then dry with soft cloth. Never wash them under running water.
- Do not place the unit and the headphones for a long period of time in high temperature and high humidity areas such as bathrooms or damp basements, etc.
- The dual locks may freeze in low temperatures. Allow the unit to return to the operational temperature range (0 °C–40 °C, 32 °F–104 °F) before opening the dual locks.

Selection and care of rechargeable /dry cell batteries

Selection

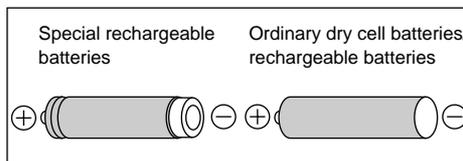
As a safety precaution, the portable CD players made by Panasonic are constructed so it is impossible to recharge ordinary batteries.

Only batteries especially designed for this unit can be recharged.

Special rechargeable Ni-Cd batteries:

P-3GAVA/2B (set of 2)

For details, check with your dealer.



- If rechargeable battery play time is short after recharging, the batteries have reached the end of their service life. Replace them with the recommended replacements.
- Play time may be shorter than usual after recharging batteries for the first time or after they have been unused for a long time. Repeatedly recharge and discharge the batteries if this occurs to restore them to normal.

Care

To prevent battery damage, electrolyte leakage and short-circuiting, heed the following points.

- Do not peel off the covering on 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 or makes 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 fire, short-circuit, disassemble, or subject to excessive heat.
- Do not attempt to recharge dry cell batteries.
- Do not allow metal objects to touch the battery terminals as this may cause short-circuiting which is dangerous.
- 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.

When driving a car

In the interest of traffic safety, do not operate the unit while driving.

Stereo headphones with remote control [SL-SW895 ONLY]

- Do not wear the headphones with the VMSS unit to the front.
- Do not allow children or people who are unwell or not in full control of their faculties to wear these headphones.
- If you feel nauseous while using the headphones, discontinue use immediately.

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:

- Set the dial and leave it there.

Discontinue use if you experience discomfort with the headphones/earphones. Continued use may cause rashes or other allergic reactions.