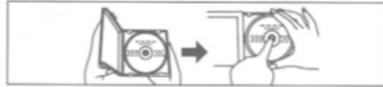


Concerning Compact Discs

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



If moisture has formed on a disc

When moisture has formed because the disc was brought suddenly into a warm room from a cold environment, wipe it off using a soft dry cloth.

When storing discs

- Avoid locations which are
- Exposed to direct sunlight.
- Susceptible to high levels of humidity or dust.
- Directly exposed to heat from a heating appliance.
- On top of a car dashboard or near the rear window.

Handling precautions

- On the label side (the side with writing) Do not write anything using a pencil, ball-point pen, etc. Do not stick paper or labels.
- On the disc (shiny) side Handle this side carefully to keep it free from fingerprints or scratches. Do not use record cleaners, solvents, etc.
- Do not attach labels or stickers to CD's. Do not use CDs with exposed adhesive from tape or left over peeled off stickers.
- Do not use scratch-proof protectors or covers other than those specified for use with this unit.

Portable CD player

Panasonic®

Operating Instructions

SL-S650/SL-S651C

Dear Customer

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

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 _____



SL-S651C ONLY

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

The SL-S650 model is only for U.S.A.



Supplied Accessories

Check the packing carton for these accessories.

AC adaptor.....1 pc. (RFEA403C-S)	SL-S651C ONLY Car adaptor.....1 pc. (SH-CDC2PPY)
SL-S650 ONLY Battery case.....1 pc. (RFA0627-K4)	Car stereo cassette adaptor.....1 pc. (SH-CDMSASY-K)
Wired remote controller.....1 pc. (RFEV006PCKM)	Wireless remote controller.....1 pc. (EURNTR1026P)
Stereo earphones.....1 pc. (RFEV316P-K1S)	Dry cell batteries.....2 pcs. (R03BPA/2ST)
	Stereo earphones.....1 pc. (RFEV317P-KS)

Use numbers indicated in parentheses when asking for replacement parts. (Only for U.S.A.) To order accessories call PASC Accessory Dept. 1-800-332-5368.

Before connecting, operating or adjusting this product, please read these instructions completely. Please save this manual.



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.

- 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.

- Magnetism**—The unit should be situated away from equipment or devices that generate strong magnetic fields.
- Stacking**—Do not place any objects, on top of the unit.

Safety

- 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.
- 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.
- 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.
- Nonuse Periods**—When not in use, be sure to disconnect the AC adaptor from the AC power outlet.

Installation

Environment

- 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.
- 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.
- 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

- 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.

Maintenance

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

- 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.
- 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. (Only for U.S.A.) Call 1-800-545-2672 for the address of an authorized factory servicenter.

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

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

Power Supply Preparations

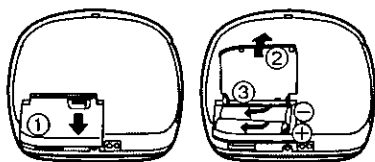
- Refer to the specifications (page 8) for information on operating times when using rechargeable batteries or dry-cell batteries
- The illustrations show model SL-S650

Using rechargeable batteries (not included)

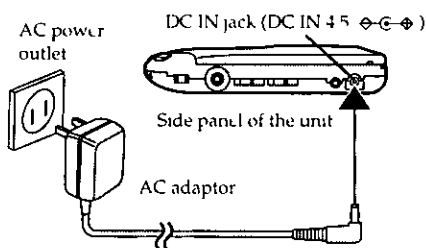
Obtain the optional rechargeable batteries (SH-CDB8D). Make sure to recharge the batteries before using them. The unit cannot be used to charge rechargeable batteries other than SH-CDB8D.

Recharging procedure

1 Insert the special rechargeable batteries into the unit



2 Connect the AC adaptor



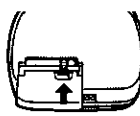
3 When recharging is complete, unplug the AC adaptor from the power outlet and the DC IN jack

Notes

- It takes approximately three hours to fully recharge the rechargeable batteries.
- 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 may 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.

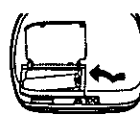
If the battery lid comes loose

Slide the lid back into place horizontally.



Removing batteries

Push up on the battery in the direction indicated by the arrow. Then lift it out.



Using the AC adaptor

Connect the AC adaptor supplied

Refer to "Using rechargeable batteries" for connection instructions.

Using the car adaptor

The SL-S651C comes with a car adaptor. Be sure to use the adaptor specially designed for this model (Refer to the separate installation instructions).

The car adaptor (SH-CDC9) is available as an optional accessory for the SL-S650.

CAUTION (SL-S650)

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

The car adaptor can be used to recharge the unit's batteries while in the car.

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

Notes

- The length of time the unit will continue to operate after the battery indicator starts flashing, depends on the type of batteries used.
- The battery indicator may not flash if rechargeable batteries other than those designated by Panasonic are used.

Using the battery case SL-S650 ONLY

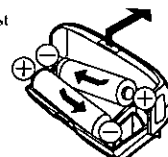
The battery case allows you to extend the maximum playing time of the unit by loading an additional two AA (LR6) alkaline batteries.

Notes

- When using the battery case, always insert batteries in the unit body as well. (The unit cannot be operated on the batteries in the external battery case alone.)
- Do not use rechargeable batteries in the battery case.
- When using rechargeable batteries in the unit body and dry-cell batteries in the battery case, be sure to use fully charged rechargeable batteries and new dry-cell batteries.
- When using four dry-cell batteries, do not mix new and old batteries.

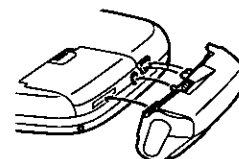
1 Open the cover of the battery case and insert the batteries

Insert the end marked (-) first.

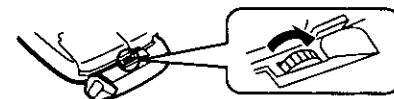


2 Mount the battery case on the unit body

Insert the protrusions on the battery case into the four indentations in the unit body.



3 Secure in place with the screw



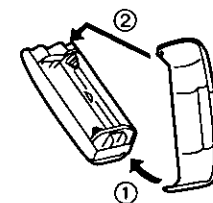
Reverse the above procedure to remove the external battery case.

For your reference

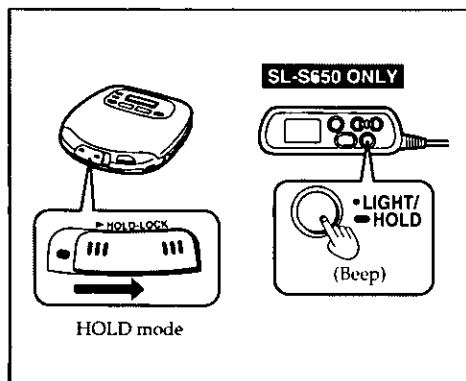
The maximum playing time will differ depending on the type of batteries (rechargeable/dry-cell) loaded in the unit body.

If the cover of the battery case comes loose

Insert the protrusions into the holes on either end of the lid.



Accidental Operation Prevention Function



This function causes the unit to ignore short, accidental button presses. (When the unit is in HOLD status, the cover will not open even when the OPEN button is pressed.)

The misoperation prevention function prevents the following

- Powering on the unit accidentally (which can cause the batteries to go dead)
- Play being cut off unexpectedly in the middle of a selection
- The cover opening unexpectedly in the middle of a selection

The unit body and wired remote controller are equipped with a HOLD LOCK slider and a HOLD button, respectively, and each operates independently of the other to activate HOLD status.

(Only SL-S650 is supplied with the wired remote controller.)

To use the accidental operation prevention function

Slide the HOLD LOCK slider on the unit body to the HOLD position. (The wired remote controller still functions.)

Hold down the HOLD button on the wired remote controller until the confirmation beep sounds. (The controls on the unit body still function.)

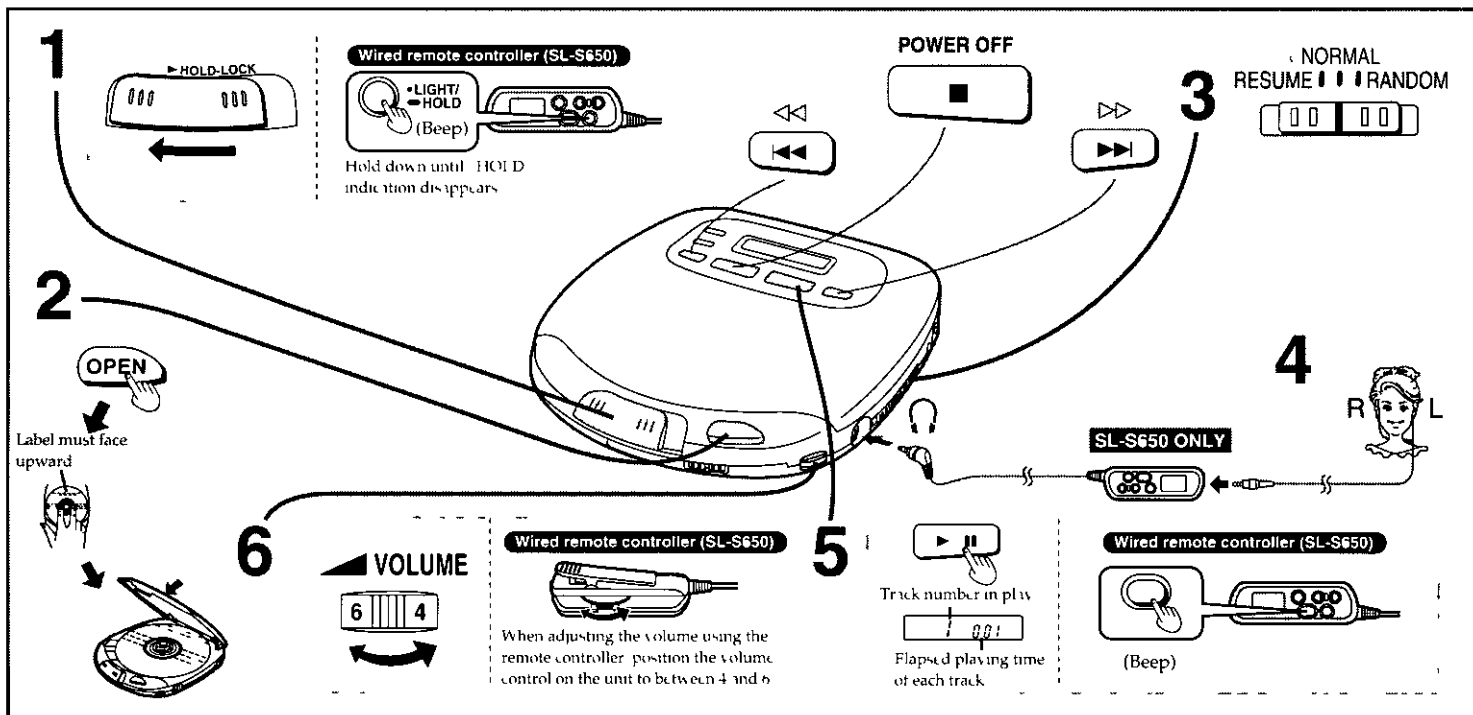
"hold"/"HOLD" Indication

Unit body When the unit is in HOLD status, pressing any operation button (other than the OPEN button) causes the indication "hold" to appear on the display.

When the unit is powered off

The "hold" indication appears only when the ►|| button is pressed.

Wired remote controller The indication "HOLD" appears on the display when HOLD status is activated.



Following steps 1-6

In step 4 connect the stereo earphones to the ϕ jack (Plug in firmly)

• 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 4 and 6 on the unit then adjust the volume level on the system

Operation	Unit	Wired remote controller SL-S650 ONLY
To pause play	Press during play Press again to resume play	The wired remote controller cannot be used to pause play
To stop play Stop mode	Press during play POWER OFF Total number of tracks 10 44:48 Total playing time	Press once during play (Beep)
To turn off the unit Off mode	Press during stop mode POWER OFF 	Press and hold during play or stop mode (Beep)
Skip forward/backward (skip function)	Press during play Backward Forward • During program play these buttons are used to skip forward or back through the programmed sequence of tracks • During random play 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 search operation is limited to the current track only (See page 4)	Press once during play Backward Forward (Beep Beep Beep) (Beep Beep)
Rapid forward/backward (search function)	Keep depressed during play 	Press and hold during play

Lighting of the function buttons and backlight (Function buttons light on SL-S651C model only)

Type of power supply	When car adaptor or AC adaptor is used	When batteries are used (HOLD mode released)
Function button/backlight		
MEMORY/RECALL	On	On for approx. 5 sec when any function button (except OPEN) is pressed
REPEAT		Off
■/POWER OFF		
Display panel		
▶▶		On Flashes rapidly During play • When play is started from the POWER OFF (or stop) mode • When the skip function has been used Flashes slowly Pause/stop mode For your reference If the HOLD mode is engaged when batteries are used to operate the unit the function button lights switch off in order to conserve the batteries charge

Using the wired remote controller SL-S650 ONLY

The wired remote controller can be operated regardless of the hold mode of the unit

Display panel illumination

When hold status is canceled and the remote control is operated the display panel illuminates for approximately five seconds. This is useful when operating the unit in a dark location

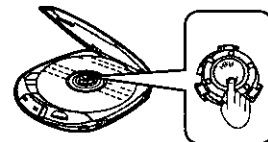
Also, the display panel illuminates when the •LIGHT/•HOLD button is pressed once while the unit is in hold status

Operation confirmation beep

When an operation button is pressed a confirmation beep sounds. However, no confirmation beep sounds when the •LIGHT/•HOLD button is pressed once (causing the display panel to illuminate). Refer to the explanations in parentheses () in the illustration above, etc. for information on the different types of confirmation beeps that sound.

Removing discs

After the disc has stopped rotating press the PUSH button to release the disc. (To protect the disc never open the cover while it is playing.)



Note

Never insert foreign objects into the unit body.

For your reference

"no disc" indication

This indication appears for about 30 seconds if the ▶▶ button 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.)

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 batteries from running down.

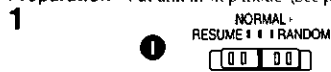
Other Play Methods

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

Skip play

The disc plays from the specific track through to the last track then play stops automatically

Preparation Put unit in stop mode. (See page 3)



2 Select the desired track



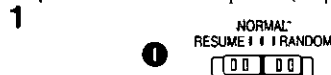
3



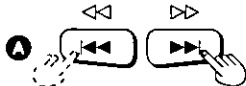
Program play

Up to 24 tracks can be entered in the programmed sequence

Preparation Put unit in stop mode. (See page 3)

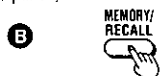


2 Select the desired track



3 Register in sequence

(The indication **M** and the programmed sequence appear on the display panel.)



4 Repeat steps 2 and 3 to program all the desired tracks



■ **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 may be added to the sequence

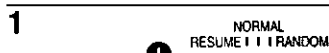
■ **To confirm the contents of the programmed sequence**

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

■ **To delete the entire programmed sequence**

Press ■ POWER OFF

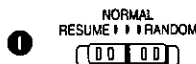
Random play



2



Release

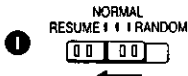


For your reference

- It is also possible to press the ►► button while the unit is in stop status 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 the 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 status). It is useful when listening to CDs in the car etc.



Release

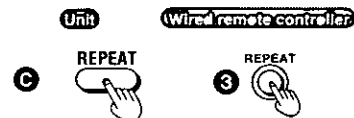


For your reference

- If the RESUME, NORMAL, RANDOM (play mode switch) slider is put in the RESUME position, the all 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 (power off status), 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.

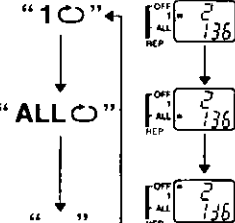
Repeat function

Press REPEAT while disc is playing or when unit is in stop status



The setting switches in the sequence indicated below each time REPEAT is pressed

1-track repeat
One track is repeated



All-track repeat
All the tracks on the disc are repeated

Cancel

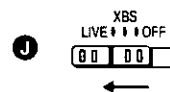
For your reference

- If REPEAT is pressed during program play, only the tracks in the programmed sequence are repeated. (The indication ALL is not displayed.)
- When the repeat button of the remote controller is operated, the sound will be interrupted for an instant. This is normal and not indicative of a malfunction.

Changing the sound quality

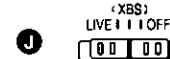
LIVE

Select this setting to reproduce the sound as it would be heard in a concert hall



XBS

Select this setting to boost the low range response



OFF

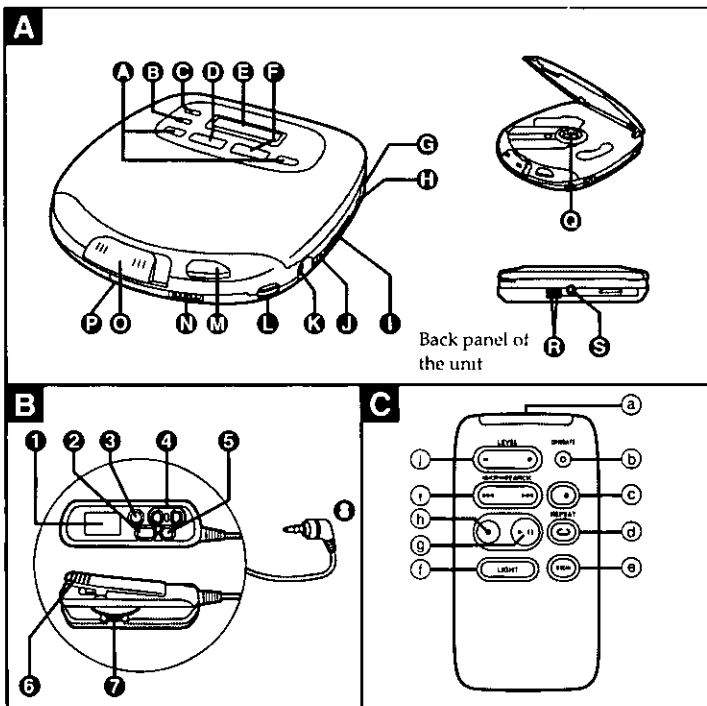
Select this setting to turn off the XBS function



Note

The sound quality setting does not affect the output from the OUT (analogue output) jack

Location of Controls



Portable CD player

- A Skip/search buttons (|◀▶, ▶▶/◀◀, ▶▶)
- B Memory/recall button (MEMORY/RECALL)
- C Repeat button (REPEAT)
- D Stop/power off button (■, POWER OFF)
- E Display
- F Play/pause button (▶ ||)
- G DC in jack (DC IN 4.5 V ⏏-⏏)
- H Out jack (OUT)
- I Play mode selector (RESUME, NORMAL, RANDOM)
- J LIVE/XBS selector (LIVE, XBS OFF)
- K Headphones jack (♫)
- L Headphones volume control (VOLUME)
- M Open button (OPEN)
- N Extra anti-shock switch (EXTRA ANTI-SHOCK)
- O Hold switch (HOLD-LOCK)
- P Remote sensor (SENSOR)
- Q Push button (PUSH)
- R Connection terminal for battery case
- S Hole for car mounting base/battery case

Wired remote controller

SL-S650 ONLY

- 1 Display
- 2 Play/stop/off button
- 3 Repeat button (REPEAT)
- 4 Skip/search buttons (|◀▶, ▶▶/◀◀, ▶▶)
- 5 Light/hold button (LIGHT/HOLD)
- 6 Clip
- 7 Volume control
- 8 Plug

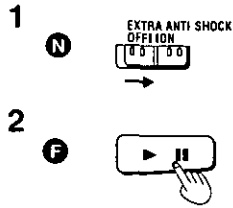
Wireless remote controller

SL-S651C ONLY

- 1 Transmission window
- 2 Operation/battery indicator (OPR/BATT)
- 3 A-B repeat (A B REPEAT)
- 4 Repeat button (REPEAT)
- 5 Music scan button (M SCAN)
- 6 Light button (LIGHT)
- 7 Play/pause button (▶ ||)
- 8 Stop/power off button (■)
- 9 Skip/search button (|◀▶, ▶▶/◀◀, ▶▶)
- 10 Volume control (- + LEVEL)

Extra Anti-Shock Function

This function minimizes sound interruption when vibrations are encountered by utilizing audio data that has been stored ahead of time (up to approximately 10 seconds' worth)



Notes

- The position of the EXTRA ANTI-SHOCK slider can be changed during play, but this may cause a slight interruption in the sound because the disc's rotational speed changes.
- During the extra anti shock operation, the disc rotates at a higher rate than usual in order to collect extra audio data. This may cause the batteries to run out faster and could result in a slight increase in disc rotation noise.

Using the unit with an audio system

The extra anti shock function uses digital signal compression technology. It is recommended that the extra anti shock slider be kept in the OFF position if the unit is connected to a home audio system.

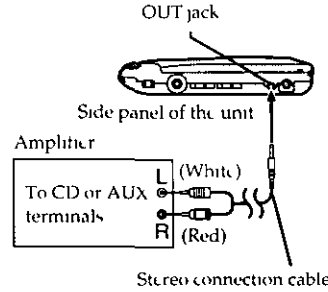
M.RESERVE indicator status	Unit body status	Play status (audio data status)
	Stable	Normal (plenty of data is stored)
	Bump encountered	Normal (stored data is used)
	Bumping stops	Normal (data again starts to be stored)
	Bumps continue repeatedly	Sound is interrupted (data buffer empty)

Using the Unit with Optional Accessories

Using the unit with an audio system

Using the stereo connection cable (not included) you can listen to CDs on your audio system.

- Turn off the amplifier power and connect the cable.
- Do not connect the cable to the PHONO jacks on the amplifier.
- Obtain the optional connection cable if the amplifier comes with mini phone jacks.
- Adjust the volume level on the amplifier.



Using the unit with a car audio system stereo

The SL-S651C comes with the car adaptor and the car stereo cassette adaptor.

Items to be purchased

- For connection to the car audio system **SL-S650 ONLY**
- Car stereo cassette adaptor (SH CDM9A)
 - Car adaptor (SH CDC9)

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 4 and 6.)

For securing the unit and connecting the power supply

Car mounting kit (SH CDI 20)

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.

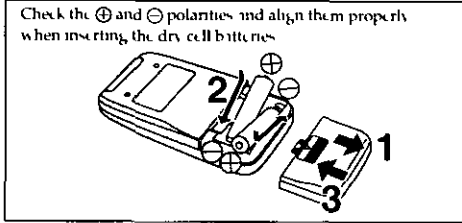
For further details refer to the instructions of the part concerned.

Using the Wireless Remote Controller [SL-S651C ONLY]

The wireless remote controller can be operated regardless of the hold mode of the unit.

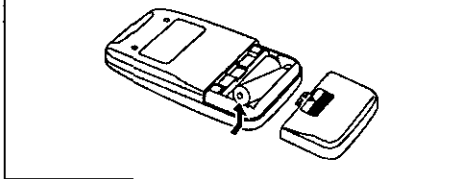
Preparation

Insert the dry cell batteries into the wireless remote controller.



Removing the batteries

Push the batteries upward in the direction of the arrow to remove them.



Notes

- Do not place any object which will block the path of the signals between the remote controller and the unit.
- Do not allow the remote sensor or transmitter to become dusty.
- Do not leave the remote controller standing in direct sunlight or in high temperature locations in a car.
- In the interest of traffic safety, do not operate the remote controller while driving.

Operation

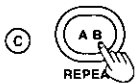
Preparation

When the unit is to be operated using batteries, first press ►|| on the unit and then use the remote controller. (The unit cannot be operated by the remote controller while the unit is turned off.)

Adjust volume level of speaker and stereo earphones	LEVEL	LEVEL	Point the transmitter on the remote controller at the remote sensor on the unit.
<ul style="list-style-type: none"> • The level can be adjusted from 0 dB to -21 dB. • The 0 dB level is restored when the unit is turned off. To adjust the volume When adjusting the volume using the wireless remote controller position the volume control on the unit to 4-6.			
<ul style="list-style-type: none"> • Blinks when a button on the remote control is pressed. • Light to flash indicates that the batteries have worn out. 	OPR/BATT		<p>Use the remote controller within a 7 meter range of the remote sensor on the unit. (Depending on the angle of the controller the signals may not reach the sensor.)</p>
Skip tracks (tap) Rapidly searches forward or backward during play (keep depressed)	SKIP-SEARCH		
Repeats the section to be heard (A-B repeat)	A-B REPEAT		
Stops play/turns the unit off when kept depressed			
Initiates play/establishes pause mode when pressed again	►		
Repeat all tracks or single track	REPEAT		
When pressed once the buttons on the remote control lights up for about five seconds	LIGHT		
Listen to the beginning portion (intro) of each track in order (Music scan)	M.SCAN		

To repeat a particular section (A-B repeat)

Press during play



The setting and the indication switch in the sequence indicated in the right each time A-B REPEAT is pressed.

Point A

Where repeat play is to be started.

Point B

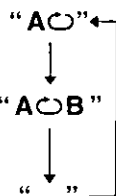
Where repeat play is to be ended.

Cancel

Normal play is restored.

Note

A-B repeat play is not possible during program play or random play.

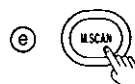


Music scan play

Allows you to listen to the beginning portion (intro) of the tracks of a CD for 15 seconds each in order. This is useful when playing discs inside a car.

Preparation

Set the unit to the stop mode (see page 3).



After the beginning portion (15 seconds) of each track has been played, normal playback begins starting with the first track. (While this function is on the indication M-SCAN appears on the display panel.)

To cancel the M-SCAN mode

During playback of the intro of the desired track press ►|| (The unit returns to normal playback.)

Customer Service Center 2F-3, One Panasonic Way, Secaucus, NJ 07094 (Headquarters) 201-348-9090 (9:00am-8:00pm Monday-Friday, EST)

AUTHORIZED SERVICENTERS • PARTS DISTRIBUTOR LOCATIONS

To locate an independent authorized servicenter or parts distributor in your area, within the USA dial toll free 1-800-545-2672, 24 hours a day, 7 days a week

PRODUCT REPAIRS

Factory Servicenters

CALIFORNIA
6550 Katella Avenue
Cypress CA 90630
Phone (714) 373 7425
Fax (714) 894 8534

800 Dubuque Avenue
San Francisco CA 94108
Phone (415) 871 6373
Fax (415) 871 6840

20201 Sherman Way
Suite 102
Canoga Park CA 91306
Phone (818) 709 1775
Fax (818) 709 2165

3878 Rutin Road
Suite A
San Diego CA 92123
Phone (619) 560 9200
Fax (619) 560 1831

COLORADO
1640 South Abilene Suite D
Aurora CO 80012
Phone (303) 752 2024
Fax (303) 752 0610

FLORIDA
3700 North 29th Avenue
Suite 102
Hollywood FL 33020
Phone (954) 923 2880
Fax (954) 925 5224

4710 Eisenhower Boulevard
Suite A1
Tampa FL 33634
Phone (813) 884 4746
Fax (813) 886 4564

GEORGIA
8655 Rosewell Road
Suite 100
Atlanta GA 30350
Phone (770) 518 6301
Fax (770) 518 6306

HAWAII
99 859 Iwaiwa Street
Aiea Hawaii 96701
Phone (808) 488 1996
Fax (808) 486-4369

ILLINOIS
•1703 North Randall Road
Elgin IL 60123
12:30 to 4:30 Mon-Fri
Phone (847) 468 7464
Fax (847) 468 5465

9060 Golf Road
Niles IL 60714
Phone (847) 608 1010
Fax (847) 299 1710

MARYLAND
Sulphur Springs
Business Park
1638 Sulphur Springs Road
Baltimore MD 21227
Phone (410) 242 2607
Fax (410) 247 3047

MASSACHUSETTS
60 Glacier Drive Suite G
Westwood MA 02090
Phone (617) 329 4280
Fax (617) 329 0586

MICHIGAN
37048 Van Dyke Avenue
Sterling Heights MI 48312
Phone (810) 939 2060
Fax (810) 939 2638

MINNESOTA
7850 12th Avenue South
Airport Business Center
Bloomington MN 55425
Phone (612) 854 8624
Fax (612) 854 2089

OHIO
2236 Waycross Road
Cincinnati OH 45240
Phone (513) 851 4180
Fax (513) 851 8443

PENNSYLVANIA
2221 Cabot Boulevard West
Suite B
Langhorne PA 19047
Phone (215) 741 0661
Fax (215) 741 0521

Charter's Valley Shopping Center
1025 Washington Pike
Bridgeville PA 15017
Phone (412) 257 4522
Fax (412) 257 4650

TENNESSEE
919 8th Avenue South
Nashville TN 37203
Phone (615) 244 4434
Fax (615) 244 6713

TEXAS
7482 Harwin Drive
Houston TX 77036
Phone (713) 781 1528
Fax (713) 781 0643

13615 Welch Road
Suite 101
Farmers Branch TX 75244
Phone (214) 385 1975
Fax (214) 960 7626

WASHINGTON
20425 84th Avenue South
Kent WA 98032
Phone (206) 872 7922
Fax (206) 872-0918

Service in Puerto Rico

Matsushita Electric of Puerto Rico, Inc
Panasonic Sales Company/ Factory Servicenter
Ave 65 de Intanena Km 9.5
San Gabriel Industrial Park
Carolina Puerto Rico 00985
Phone (809) 750 4300
Fax (809) 768 2910

* pick-up/drop-off only

REPAIR INQUIRIES

Regional Customer Care Department

EAST (PCE)
2221 Cabot Boulevard West
Suite A
Langhorne PA 19047
Phone (215) 741 0676
Fax (215) 750 6492

Covers
CT DE ME MD MA
NH NJ NY PA RI VT
VA DC, WV

EAST (PCE)
1225 Northbrook park way
Suite 2 390
Lawrence GA 30174
Phone (404) 338 6860
Fax (404) 338 6548

Covers
AL FL GA
MS NC, SC TN

CENTRAL (PCC)
1707 North Randall Road
Elgin IL 60123
Phone (847) 468 5550
Fax (847) 468 6528

Covers
AR IL IN IA KS KY
LA MI MN MO NE
ND OK SD TX WI OH

WEST (PCW)
6550 Katella Avenue
Cypress CA 90630
Phone (714) 373 7440
Fax (714) 373 7447

Covers
AK AZ CA CO ID
MT NV NM OR UT
WA WY, HI

ACCESSORY PURCHASES

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

PANASONIC CONSUMER ELECTRONICS
COMPANY DIVISION OF MATSUSHITA
ELECTRIC CORPORATION OF AMERICA
One Panasonic Way Secaucus
New Jersey 07094

PANASONIC SALES COMPANY DIVISION
OF MATSUSHITA ELECTRIC
OF PUERTO RICO INC ("PSCR")
Ave 65 de Intanena Km 9.5
San Gabriel Industrial Park
Carolina Puerto Rico 00985
Tel (809) 750-4300
FAX (809) 768 2910

**PANASONIC AUDIO PRODUCTS
Limited Warranty**

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

AUDIO COMPONENTS, RADIOS, COMPACT DISC PLAYERS, VIDEO CD PLAYERS AND HOME ENTERTAINMENT SYSTEMS—For one (1) year

ACCESSORIES, HEADPHONES AND CARTRIDGES—(when applicable) For ninety (90) days

BATTERIES—(when applicable)—New rechargeable batteries in exchange for defective rechargeable batteries—For ten (10) days. Non rechargeable batteries are not warranted

RECHARGEABLE BATTERY PACKS—(when applicable)—New rechargeable battery packs in exchange for defective rechargeable battery packs for (90) days. Non rechargeable battery packs are not warranted

Carry in or mail in service in the continental U.S.A. can be obtained during the warranty period from a Panasonic Services Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call 1 800 545 2672 toll free to locate an authorized PASC Servicenter. Carry in or mail in service in Puerto Rico can be obtained during the warranty period by calling the telephone numbers 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 or workmanship

which occur during normal use and does not cover normal wear to the stylus (when applicable) or dealer installed cartridge or stylus. It does not cover damage which occurs in shipment or failures which are caused by products not supplied by the warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, set up adjustment, improper maintenance, alteration, improper antenna, inadequate signal, pick up, maladjustment of consumer controls, modification or commercial use of product or service by anyone other than a PASC Factory Servicenter or authorized PASC 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 Division 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

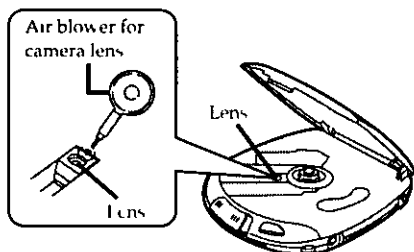
For product service, product information or assistance with product operation, refer to the service center directory.

User memo

DATE OF PURCHASE _____
DEALER NAME _____
DEALER ADDRESS _____
TELEPHONE NUMBER _____

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).



WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPLIANCE TO RAIN, SPLASHING, DRIPPING OR MOISTURE

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.

THE FOLLOWING PHRASES ARE APPLIED ONLY FOR U.S.A.

POWERED BY NICKEL-CADMIUM BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY

ATTENTION

The product that you have purchased is powered by a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.



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.

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 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.

For
your
protection

Complete and immediately mail the Product Analysis Card so that we may contact you directly in the event a safety notification is issued in accordance with the 1972 Consumer Product Safety Act, or for other reasons Panasonic may deem necessary. Also, we ask that you complete the questionnaire so we may analyze your comments and, in this way, help us evaluate customer needs.

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 _____

Troubleshooting Guide

Before requesting service for this unit check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation. 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 directory of Authorized Service Centers (enclosed with this unit) to locate a convenient service center, or consult your dealer for instructions. (In U.S.A. consult PASC Authorized Servicecenters for detailed instructions or call 1-800-545-2672 for the address of an authorized factory service center.)

Problem	Check this
Cannot open/close cover	<ul style="list-style-type: none"> Is the disc properly secured in place? Is the unit body in HOLD status?
Cannot play discs	<ul style="list-style-type: none"> Is the unit in HOLD status? Is the disc properly secured in place? Is there moisture condensation on the lens? (Wait for about an hour and then try again.)
Cannot remove disc	Did you press the PUSH button to release the disc?
Tracks on disk do not play in order, starting with the first track	Is the RESUME, NORMAL, RANDOM (play mode) switch in the NORMAL position?
Cannot hear music—too noisy	<ul style="list-style-type: none"> Are the earphones plug and the wired remote control plug inserted all the way? Is the plug dirty? (Wipe away dirt on plug.)
TV picture is distorted Radio reception is noisy	Are you using the unit body too near a TV or tuner? (If the TV or tuner is connected to a simple indoor antenna, connect it to an outdoor antenna.)
SL-S651C ONLY No operation with wireless remote controller	<ul style="list-style-type: none"> Is the unit turned off while batteries are being used to operate the unit? Have AAA (R03) batteries been inserted? If they have is their voltage level low?

Specifications

Audio (EXTRA ANTI-SHOCK OFF)

No. of channels	2 (left and right stereo)
Frequency response	20 to 20,000 Hz (+0.5 dB -1.5 dB)
Output voltage S/N	0.6 V (50 kHz) More than 96 dB
Wow and flutter	Below measurable limit
DA converter	1 bit MASH
Headphones output level	Max. 9 mW+9 mW/16Ω (variable)
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	EXTRA ANTI-SHOCK OFF/ON
Using AC adaptor	2.6 W/2.8 W

When recharging Approx. 5.0 W

Play time
(When used in hold mode at 25°C (77°F) temperature and on flat and stable surface)

Batteries used	EXTRA ANTI-SHOCK OFF/ON
2 Alkaline batteries	SL-S650 About 20 hours/ About 13 hours
	SL-S651C About 18 hours/ About 12 hours
Rechargeable batteries	SL-S650 About 6.5 hours/ About 4.5 hours
	SL-S651C About 5 hours/ About 3.5 hours

SL-S650 ONLY

Batteries used	EXTRA ANTI-SHOCK OFF/ON
4 Alkaline batteries	About 45 hours/ About 30 hours

The above battery charge retention period totals apply when measured using a cycle of 4 hours of play, followed by 15 hours of suspended operation. The play time may be less depending on the operating conditions.

Recharging time	About 3 hours
Dimension (W×H×D)	128×25.7×142 mm (5 1/8"×1"×5 5/8")
Weight	275 g (9.7 oz) (with batteries) 230 g (8.1 oz) (without batteries)

*These specifications were measured in the EXTRA ANTI-SHOCK OFF mode.

Note
Specifications are subject to change without notice.

Weight and dimensions are approximate.

MASH is a trademark of NTT.

Cautions

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 is an 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.

Rechargeable batteries

- Only the SH-CDB8D batteries can be recharged.
- If the power delivered by the batteries lasts for a very short time after recharging, it means that the batteries' service life is over. Do not use them any more.
- Recharging already charged batteries will shorten their service life.
- When recharging batteries for the first time or when they have not been used for a long period of time, the play time may be shorter than usual. In a case like this, repeatedly recharge and discharge the batteries. This will restore them to their regular state.
- Do not allow any metal objects to touch the terminals of rechargeable batteries since this may cause short-circuiting which is dangerous.
- Do not peel off the plastic covering on the rechargeable batteries. Short-circuiting may occur which is dangerous.
- Do not insert rechargeable batteries into the battery case.

Dry cell batteries/rechargeable batteries

To prevent damage to the batteries and electrolyte leakage, heed the following points:

- Align the ⊕ and ⊖ polarities properly 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 plan to use the unit for a long period of time.
- Do not throw batteries into a fire, and do not short circuit, disassemble or subject them to excessive heat.
- Do not attempt to recharge dry cell batteries.
- Do not peel off the plastic covering on the rechargeable batteries. Short-circuiting may occur which is dangerous.

Carrying dry cell batteries/rechargeable batteries around

When putting dry cell or rechargeable batteries in a pocket or bag, ensure that no other metal objects such as a necklace are placed together with them. Contact with metal may cause short-circuiting which in turn may cause a fire.

Be absolutely sure to carry the rechargeable batteries in the battery carrying case.

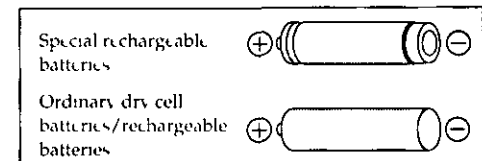
When purchasing rechargeable batteries

As a safety precaution, the portable CD players made by Panasonic have a construction designed to make it impossible to recharge ordinary batteries.

To use rechargeable batteries, be absolutely sure to purchase the rechargeable Ni-Cd batteries designed especially for this unit.

Special rechargeable Ni-Cd batteries SH-CDB8D (set of 2)

For details, check with your dealer.



When driving a car

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