

Power Supply Preparations

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

Important note about the memory and the power supply

To preserve the contents of the memory, ensure the unit has a constant supply of power.

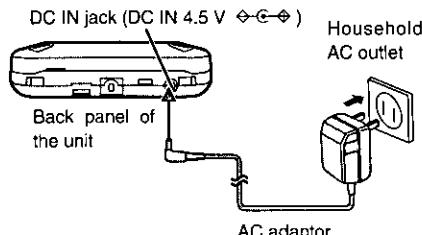
- Turn the unit off before changing the batteries and before connecting or disconnecting the AC adaptor.
- The unit can maintain the memory without power for about one minute. Change batteries or reconnect the AC adaptor within this time.
- As a precaution, insert batteries even when using the AC adaptor or car adaptor.

Using the AC adaptor (not included)

Be sure to obtain the optional AC adaptor.

Optional AC adaptor : RP-AC46

Connect the AC adaptor.



Conserving power

To save power when the unit is not to be used for a long time, unplug the AC adaptor from the household AC outlet.

Using the rechargeable batteries (not included)

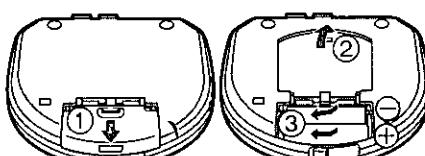
Obtain the optional rechargeable batteries.

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

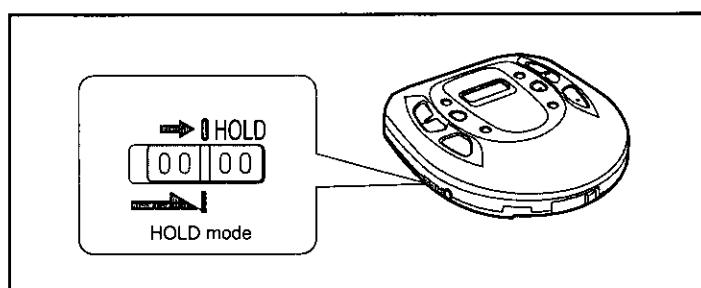
Optional batteries: P-3GAVA/2B

Recharging procedure

1 Insert the special rechargeable batteries.



HOLD Function



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

The HOLD function prevents the following:

- The unit is powered on accidentally when not in use, causing the batteries to run down.
- A button is accidentally pressed during play, interrupting the operation.

To use the HOLD function

Set [HOLD] to the HOLD position.

"hold" indication

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

When the unit is powered off:

The "hold" indication appears only when [▶II] or [RADIO/BAND] is pressed.

Before operating the buttons

Be sure to move [HOLD] to release the unit from the HOLD mode.

2 Connect the AC adaptor.

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

Recharging starts and the "G" charging indicator flashes on the unit's display.

When the rechargeable batteries are fully recharged the charging indicator disappears.

3 When recharging is complete, disconnect the AC adaptor from the unit's DC IN jack and the household AC outlet.

Note

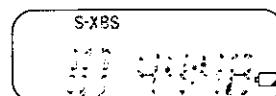
- Never mix dry cell and rechargeable batteries.
- Rechargeable batteries have a service life of approximately 300 charge-discharge cycles. The batteries have reached the end of their operational life if they last for a noticeably shorter time after recharging, or if they cannot be recharged at all. Replace the batteries.
- Recharging may only be performed when the unit is powered off.
- The AC adaptor and rechargeable batteries may become warm while recharging is in progress. This is not a malfunction.
- Leaving the AC adaptor connected can cause the batteries to go flat. After recharging the batteries, disconnecting the AC adaptor from the household AC outlet, ensure you disconnect the adaptor from the unit's [DC IN 4.5 V ◇ G ◇] terminal.

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



Battery indicator

This indicator flashes when the batteries are almost out of power. Power is cut off a short while later. Recharge the rechargeable batteries or replace the dry cell batteries with new ones.

Note

- How long the unit continues to operate after the battery indicator starts flashing depends on the type of batteries and on whether you are using the unit to play CDs or the radio.
- The battery indicator may not flash if rechargeable batteries other than those designated by Panasonic are used.

Using the car adaptor (not included)

Be sure to obtain the car adaptor (SH-CDC9), available as an optional accessory.

CAUTION:

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.

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.

If the unit malfunctions or freezes during use, disconnect the power sources (the AC adaptor or batteries).

Re-connect the power source and continue operation.

Anti-Skip System

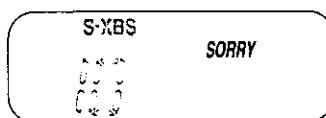
This system deals with skipping in a variety of ways:

- An anti-skip mechanism prevents skipping caused when play speed changes due to swinging of the unit.
- A recovery system immediately returns the laser pickup 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.

The anti-skip system works automatically while the unit is on and cannot be canceled.

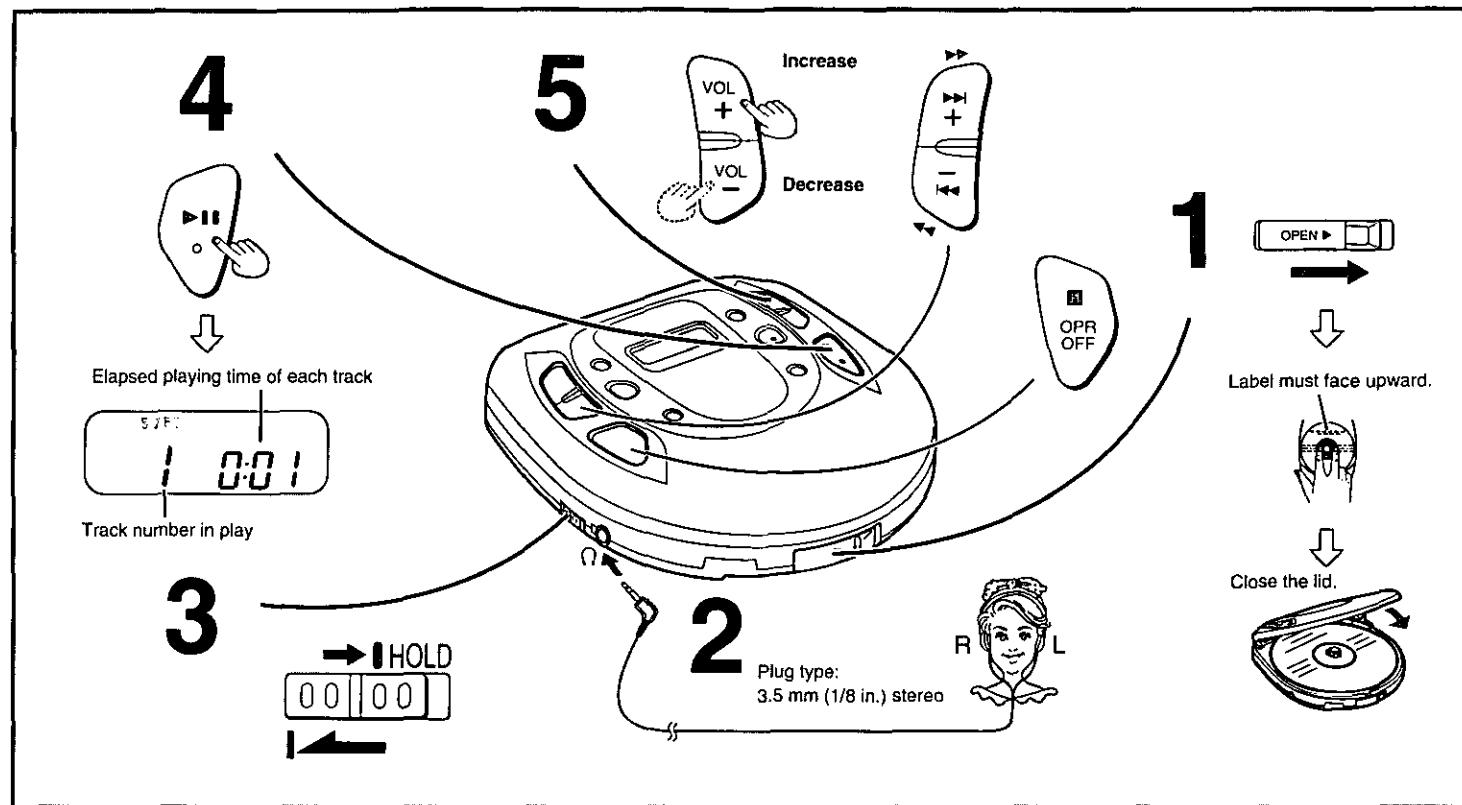
When bumps continue repeatedly

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



Note

The anti-skip memory compresses digital signals.



1 Slide [OPEN▶] to open the lid, and insert the disc.

2 Connect the stereo headphones/stereo earphones to [Ω]. (Plug in firmly.)

3 Release [HOLD].

4 Press [$\triangleright\text{II}$] to start play.

(Play stops automatically when all the tracks have been played.)

5 Adjust the volume.

• The volume range is 0-25. (Press and hold to change the volume successively.)

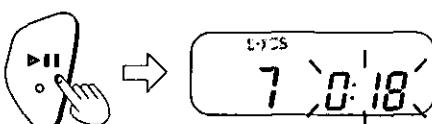
• The volume changes when pressed while the level is displayed. If any other display is shown, it changes to show the current level. (The volume returns to 10 when you disconnect the power source.)

• If the unit has been connected to the car audio system, set this unit's volume to 10, then adjust the volume level on the system.

■ To pause play

Press during play.

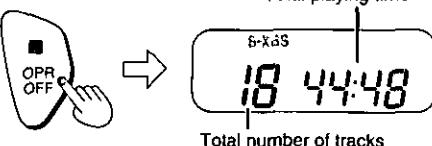
(Press again to restart play.)



■ To stop play Stop mode

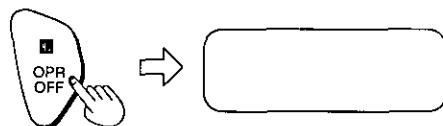
Press during play.

Total playing time



■ To turn off the unit Off mode

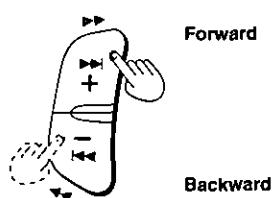
Press during stop mode.



■ Skip / Search function

Skip : Press during play. (Press [$\blacktriangleleft\blacktriangleright$] twice to skip to the beginning of the previous tracks.)

Search : Press and hold during play.



• During program play (page 4), these buttons are used to skip forward or backward through the programmed sequence of tracks.

• You cannot skip to tracks that have been played in random or random repeat play (page 4).

• During program play, 1-track repeat play, random play and random repeat play (page 4), search operation is limited to the current track only.

For your reference:

“no disc” indication

This indication appears for about 30 seconds if [$\triangleright\text{II}$] is pressed when no disc is loaded in the unit or if the disc is not properly secured.

“OP ERROR” indication

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

Resume function

The unit stores the track where you stopped play and if you press [$\triangleright\text{II}$], play resumes from the beginning of the track.

The resume function is canceled (play starts from the first track) if you open the lid when the unit is in stop mode. It is also usually canceled when you replace the CD while the unit is in stop mode.

Note

• If you turned the unit off near the end of the track, play may resume from the beginning of the next track.

• The resume function works automatically and cannot be turned off.

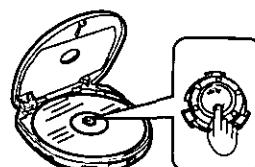
Removing discs

1 Press [■, OPR OFF] to stop play and disc rotation.

2 Slide [OPEN▶] 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.



Note

Never insert foreign objects into the unit.

Auto power off function

If the unit is left in stop mode for approximately 10 minutes, the unit powers itself off automatically in order to prevent the batteries from running down.

(If no disc is loaded in the unit it powers itself off in 30 seconds.)

Note on CD-R and CD-RW

This unit can play CD-DA format audio CD-R and CD-RW that have been finalized* upon completion of recording. It may not be able to play some CD-R or CD-RW due to the condition of the recording.

*Finalizing is a process that enables CD-R/CD-RW players to play audio CD-R and CD-RW.

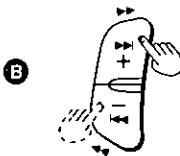
The letters such as **A** in the various illustrations refer to the descriptions in the "Location of Controls" section.

Skip play

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

Preparation: Put unit in stop mode.

1 Select the desired track.



2

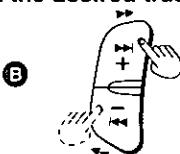


Program play

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

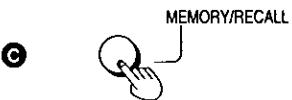
Preparation: Put unit in stop mode.

1 Select the desired track.



2 Register in sequence.

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



3 Repeat steps 1 and 2 to program all the desired tracks.

4



To program the same track in the sequence more than once

After step 2, press [MEMORY/RECALL] the desired number of times.

If "F" is displayed

No more tracks can be programmed.

- To confirm the contents of the program
Press [MEMORY/RECALL] while the disc is playing.
(The numbers of the programmed tracks appear on the display in sequence.)
- To delete the entire programmed sequence
Press [■, OPR OFF].

Note

The repeat and random play modes are canceled after steps 1 and 2.

Repeat play/Random play

Press during play or stop mode.



Each time the button is pressed;

"1 ()" → " ()" → "RANDOM" → "RANDOM ()"
↑ " ()" (Cancel) ←



1 () (1-track repeat)

One track is repeated.

(All-track repeat)

All the tracks on the disc are repeated.

RANDOM (Random)

The tracks play once each in random order and then play stops.

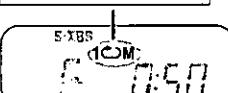
RANDOM, (Random repeat)

The tracks play repeatedly in random order.

When pressed during program play

Each time the button is pressed;

"1 () M" → " () M" → "M" (Cancel)



1 () M (1-track repeat)

One track is repeated.

() M (Memory repeat)

The programmed tracks are repeated.

Note

- You can select the first track to play in random play and random repeat play by pressing [▶▶] while the disc is stopped. All the tracks are played.
- You cannot select random play or random repeat play during program play.
- The mode is canceled when you disconnect the power source.

Changing the sound quality

Press during play or stop mode.

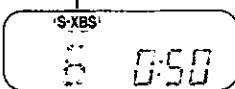
S-XBS

F



Each time the button is pressed;

"S-XBS" → " " (Cancel)



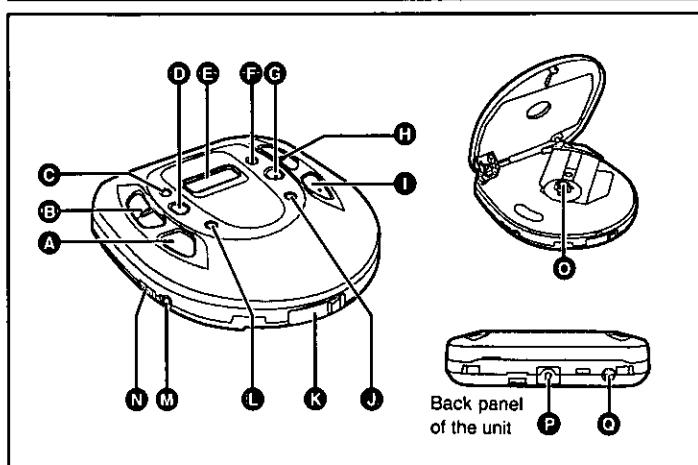
S-XBS:

Select this setting to boost the low-range response.

Note

The setting returns to S-XBS when you disconnect the power source.

Location of Controls



- Stop/operation off button (■, OPR OFF)
- Tuning/skip/search buttons (▶▶▶, ▶▶◀, ▶◀◀)
- Memory/recall button (MEMORY/RECALL)
- Tuning mode select button (TUNING MODE)
- Display
- S-XBS button (S-XBS)
- Tuner on/band select button (RADIO/BAND)
- Headphone volume control buttons (VOL+, VOL-)
- Play/pause button (▶▶)

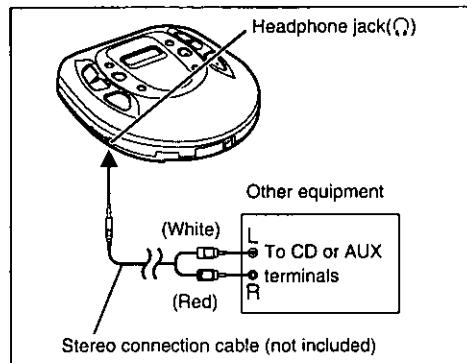
- Sensitivity control, play mode button (FM RECEPT - CITY/NOR, MODE)
- Open switch (OPEN▶)
- Monaural/stereo button (FM MODE MONO/ST)
- Headphone jack (Ω)
- Hold switch (HOLD)
- CD release button (PUSH)
- Hole for car mounting base
- DC IN jack (DC IN 4.5 V ⊕-⊖)

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 this unit and the other equipment before connection.
- Do not connect the cable to the PHONO jacks on the amplifier.
- Obtain the optional connecting cable if the other equipment comes with mini-phone jacks.
- Set this unit's volume to 10, then adjust the volume on the other equipment.



Using the unit with a car audio system

Items to be purchased

For connection to the car audio system:

- Car stereo cassette adaptor (SH-CDM10A)

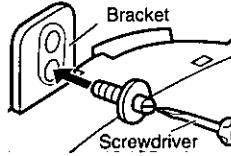
Connect the car stereo cassette adaptor to the unit's headphone jack. (When doing this, set this unit's volume to 10.)

For securing the unit and connecting the power supply:

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

Note when using the car mounting kit (SH-CDF20)

- Remove the screw from the bracket at the rear of the car mounting base.
- Replace the screw in the lower hole of the bracket.



Note

- Insert batteries even when using the car adaptor to ensure a constant power supply for the unit's memory.
- When you switch off the car, volume and sound quality may return to the original settings and the resume function may work even if you change the disc.
- 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.
- Move the unit away from the car adaptor if noise interferes with the radio.

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

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

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

ONLY FOR U.S.A. Panasonic/Technics Audio Products Limited Warranty

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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.

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 _____

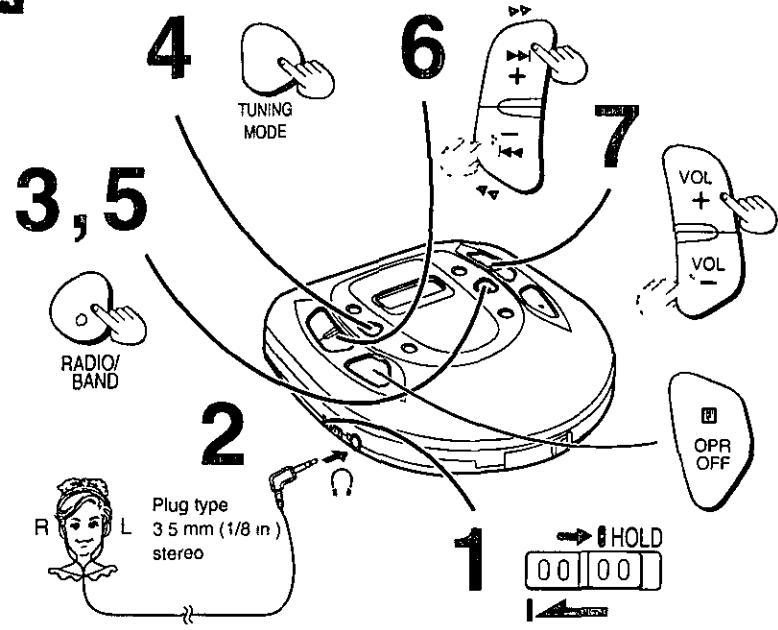
Code No. _____

Dealer's Address _____

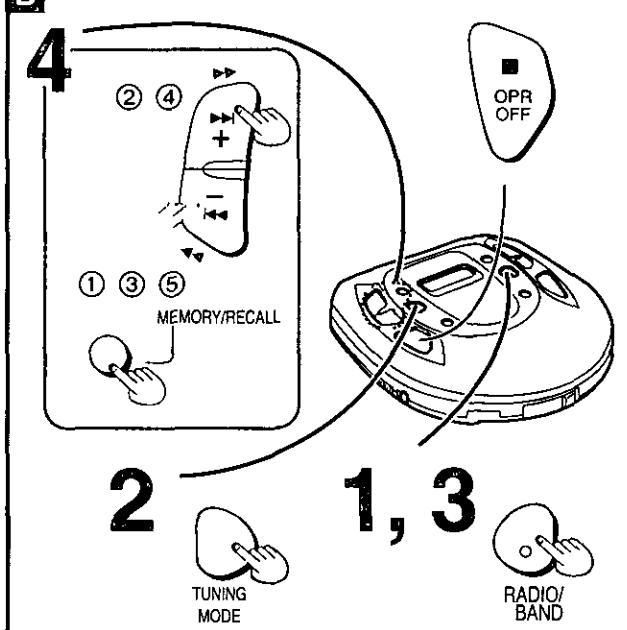
Date of Purchase _____

Listening to the Radio

A



B



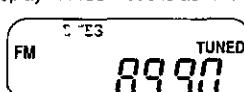
Listening Operation

You can tune directly to the station in **Free Mode** by finding the station's frequency, or you can store the station in **Memory Mode** to make tuning simpler. You can choose these modes with **[TUNING MODE]**

A Free Mode

- 1 Release **[HOLD]**
- 2 Connect the stereo headphones/stereo earphones to **[]**. (Plug in firmly)
- 3 Press **[RADIO/BAND]** to turn on the radio
- 4 Press **[TUNING MODE]** to set to Free Mode

The display in Free Mode is as follows



- 5 Press **[RADIO/BAND]** to change the band.

Each time the button is pressed

FM → AM

- 6 Press **[>>> +, <<< -]** to select the frequency of the station

+ increases frequency
- decreases frequency

For your reference

• Press for over 1.5 seconds to make the frequency change rapidly
• "TUNED" is displayed when a station is tuned

- 7 Adjust the volume

B To turn off the radio

Press **[]**, OPR OFF

Memory Mode

B Putting stations into the channels

Frequencies of up to 30 stations can be stored, 20 FM and 10 AM.

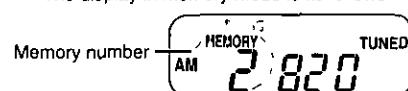
Preparation

- Release **[HOLD]**
- Connect the headphones/earphones as they act as an FM antenna

- 1 Press **[RADIO/BAND]** to turn on the radio

- 2 Press **[TUNING MODE]** to set to Memory Mode.

The display in Memory Mode is as follows



- 3 Press **[RADIO/BAND]** to change the band.

Each time the button is pressed,
FM → AM

- 4 Put stations into the channels of your choice

① Press **[MEMORY/RECALL]**

The frequency number flashes

② Within 10 seconds

Press **[>>> +, <<< -]** to select the frequency to be memorized

③ Within 10 seconds

② Press **[MEMORY/RECALL]**

The memory number flashes

④ Within 10 seconds

Press **[>>> +, <<< -]** to select the memory number to store the frequency

FM station up to 20

AM station up to 10

⑤ Within 10 seconds

Press **[MEMORY/RECALL]** to confirm the memory setting

• Press **[>>> +, <<< -]** for over 1.5 seconds to make the frequency or memory number change in succession

• "TUNED" is displayed when a station is tuned

Important

After putting stations into channels, ensure the unit has a constant power supply. Leaving it without battery or AC power for more than about one minute can clear the memory.

■ Recalling preset stations

Preparation

- Release **[HOLD]**
- Connect the headphones/earphones to **[]**
- Perform steps 1-3 of "Putting stations into the channels"

- 1 Press **[>>> +, <<< -]** to select the desired station

Memory number and broadcast frequency changes

- 2 Adjust the volume.

■ To erase unnecessary preset stations from the memory

Preparation

Perform steps 1-3 of "Putting stations into the channels"

- 1 Press **[>>> +, <<< -]** to select the memory number to be erased

- 2 ① Press **[MEMORY/RECALL]**

The frequency number flashes

② Within 10 seconds

Press and hold **[MEMORY/RECALL]** until "— —" flashes

③ Within 10 seconds

Press **[MEMORY/RECALL]** to erase the memory number

The memory number of the next preset station appears on the display

■ To put a station into a channel you erased

Repeat the procedure described at left

■ To turn off the radio

Press **[]**, OPR OFF

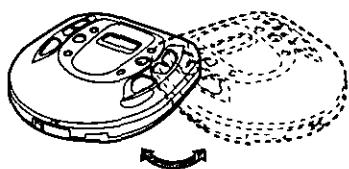
Listening to the Radio

The letters such as **G** in the various illustrations refer to the descriptions in the "Location of Controls" section (See page 4)

To obtain good reception

AM

Try various directions to obtain optimum reception



Note:

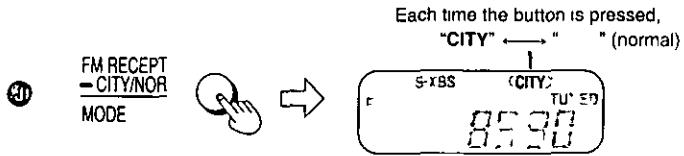
The AM antenna is located in the lid of the unit so noise may increase if the unit is held. This is not malfunction.

FM

The headphone/earphone cord is also the FM antenna, so extend it rather than leaving it coiled.

■ How to receive an FM broadcast clearly

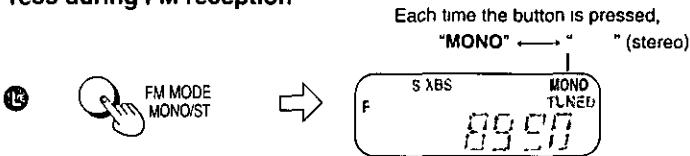
Press for more than 1.5 seconds during FM reception



Leave off under normal conditions. Set to "CITY" if reception is poor or if there is interference from another station.

To select stereo or monaural FM

Press during FM reception

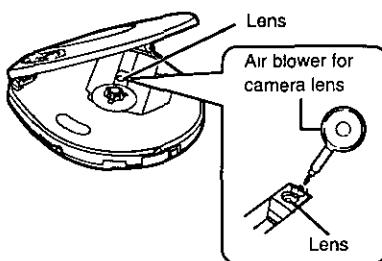


■ When there is noise during FM reception

Select "MONO"

Sound becomes monaural, but noise is reduced.

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)

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.

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.

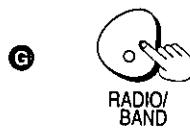


When using overseas

Change the frequency step according to the area.

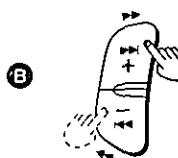
Preparation Press [RADIO/BAND] to switch on the power

1 Press for more than 5 seconds to display the step

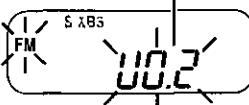


2 Within 10 seconds

Press to select the step



Each time the button is pressed,
FM UO 2 → FM UO 1 → E



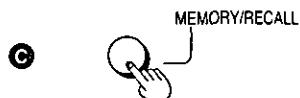
FM UO 2 (original setting) FM 0.2 MHz AM 10 kHz

FM UO 1 FM 0.1 MHz AM 10 kHz

E FM 0.05 MHz, AM 9 kHz

3 Within 10 seconds

Press and hold until the frequency is displayed to confirm the step



■ To return to the previous frequency step

Repeat the above procedure

Note

Converting the allocation erases the stations previously stored in memory.

Changing the sound quality

The operation is the same as when playing CDs
(See page 4)

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.

Specifications

CD SECTION

■ Audio	Dimensions (W×H×D)
No. of channels 2 (left and right, stereo)	128×29.8×131.5 mm (5 1/8"×1 1/4"×5 1/8")
DA converter 1 bit MASH	Mass 264 g (9 3/8 oz)
Headphone output level Max. 6 mW+6 mW/16 Ω (adjustable)	(with batteries) 220 g (7 7/8 oz)

■ Pickup

Light source Semiconductor laser	Operational temperature range 0°C~40°C (32°F~104°F)
Wavelength 780 nm	Rechargeable temperature range 5°C~40°C (41°F~104°F)

RADIO SECTION

■ Frequency

Radio frequency FM, 87.9~107.9 MHz (0.2 MHz steps)	Play time [Approximate operating time in hours (in hold mode with S-XBS canceled, at 25°C (77°F) on a flat, stable surface)]
87.5~108.0 MHz (0.1 MHz/0.05 MHz steps)	
AM, 520~1710 kHz (10 kHz steps)	
522~1629 kHz (9 kHz steps)	

GENERAL

Power supply DC 4.5 V with optional AC adaptor RP-AC46	Batteries used	CD	RADIO (FM BAND)
	2 alkaline batteries	25	75
	2 optional rechargeable batteries (P-3GAVA/2B)	11	30

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

Recharging time About 5 hours

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 the lid.	Is the disc properly secured in place?
Cannot play discs	<ul style="list-style-type: none"> • Is the unit in HOLD mode? • Is the disc properly secured in place? • Is the disc dirty or scratched? • Is there 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	<ul style="list-style-type: none"> • Is the random play mode on? • Did you stop play in the middle of the disc last time?
Cannot hear music—too noisy	<ul style="list-style-type: none"> • Is the headphones/earphones 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 too near a TV or tuner? (Keep the unit away from the TV or tuner)
No reception The FM frequency range is different	Has the frequency step been set for your area?

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 are the open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing.

Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

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

Once you have established a comfortable sound level

- Leave it there.

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

Selection and care of rechargeable /dry cell batteries

■ Selection

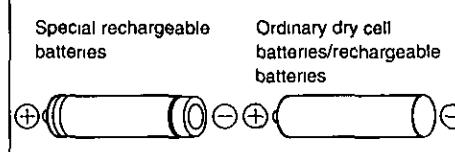
As a safety precaution the portable CD players made by Panasonic are constructed so it is impossible to recharge ordinary batteries.

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 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.