

Operating Instructions Portable CD Tuner System

Model No. **SL-PH660**



User memo:

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

The model number and serial number of this product can be found on either the back or the bottom of the unit.
Please note them in the space provided below and keep for future reference.

MODEL NUMBER **SL-PH660** _____

SERIAL NUMBER _____

Supplied accessories

Please check and identify the supplied accessories.
Use numbers indicated in parentheses when asking for replacements parts.
In U.S.A. to order accessories, refer to "Accessory Purchases" on page 3.

1 AC adaptor (RFEA450C-S) "As of February 2005"

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

Dear customer

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

Main features of product

- **Splash-proof so that you can enjoy music in your bathroom or kitchen (see page 2, "Splash-proof (not Water-proof)")**
- **CD player that supports CD-R and CD-RW discs (see page 4, "Listening to CDs")**
- **Weather/FM/AM tuner (see page 5, "Listening to the Radio")**
- **Tone to alert the user at the times which the user has set (see page 6, "Using the Kitchen Timer")**

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

Panasonic Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park, Carolina,
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Panasonic Canada Inc.
5770 Ambler Drive
Mississauga, Ontario L4W 2T3
www.panasonic.ca



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Troubleshooting guide

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

No play.	<ul style="list-style-type: none"> • The batteries may be depleted (page 4). • The disc isn't correctly set. • The disc is scratched or dirty. • There is moisture on the lens. Wait for about an hour and then try again. • If there is no data between sessions on a multi-session disc, play may not be possible. • If the disc contains data with different formats, sound may be muted and play may not be possible.
No sound or there is a lot of noise.	<ul style="list-style-type: none"> • Turn the volume up. • Keep this unit away from mobile telephones. • The elapsed play time disappears and sound is interrupted if bumps continue repeatedly.
Play doesn't start from the first track.	Random play mode may be on (page 4).
The unit stops working.	Disconnect and reconnect the AC adaptor or remove and reinsert the batteries.
The battery indicator fails to appear correctly.	<ul style="list-style-type: none"> • The indicator does not appear when the AC adaptor is connected. • The indicator may not appear correctly under certain conditions.
There is a lot of noise while listening to the radio.	<ul style="list-style-type: none"> • Keep the unit away from other tuners and televisions. • The AM antenna is in the unit, so noise may increase if you hold the unit.
NO DISC	<ul style="list-style-type: none"> • You haven't inserted a disc or it isn't inserted correctly. • You have inserted a disc that this unit cannot play.
OPEN	The disc lid is open.

Specifications

Radio

Frequency range:	
Weather:	1-7 CH
FM:	87.5-108.0 MHz (100 kHz steps)
AM:	520-1710 kHz (10 kHz steps)

CD player

Sampling frequency:	44.1 kHz
Decoding:	16 bit linear
Beam source:	Semiconductor laser wavelength 780 nm
Number of channels:	2 channel, stereo
Frequency response:	100 Hz-16 kHz (-6 dB)
Wow and flutter:	Less than measurable data
D/A converter:	MASH (1 bit DAC)

General

Speakers:	Full range 5 cm (2"), Round 4 Ω x 2
Output power:	330 mW + 330 mW (RMS...max.)
Power supply:	
DC input (via included AC adaptor):	DC 4.5 V
batteries:	DC 3 V Parallel (4 R6/LR6, AA batteries)
AC adaptor input:	AC 120 V, 60 Hz
Power consumption:	8 W (Using AC adaptor)
Dimensions (W x H x D):	234.5 mm x 180.5 mm x 70 mm (9 1/4" x 7 1/8" x 2 3/4")
Mass:	850 g (1 lb. 14 oz.) (with batteries) 780 g (1 lb. 12 oz.) (without batteries)
Waterproofing:	JIS (Japan Industrial Standards) splash-resistant specification* *Splashing water from any direction shall have no harmful effect.

Play time (Batteries used: 4 alkaline batteries):

[Approximate times (at 25°C (77 °F), on a flat, stable surface, S-XBS is off)]

CD-DA disc:	22 hours
RADIO (FM BAND):	25 hours

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

AC adaptor power consumed in standby mode: 2 W

Note

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

IMPORTANT SAFETY INSTRUCTIONS

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

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



Caution

- Do not move the unit when the AC adaptor is connected or the antenna cord is extended.
If you try to move the unit, the cords can be damaged probably causing a fire or electric shock. Catching the cords on something may also cause an accident.
- Avoid using the unit while it is hanging down for a prolonged period of time since this may cause its handle to become bent out of shape.
- Avoid using or placing this unit near sources of heat. Do not leave it in an automobile exposed to direct sunlight for a long period of time with doors and windows closed.
- Use only the included AC adaptor.

■ Splash-proof (not Water-proof)

This product is splash-proof. (JIS splash-proof protection class 4)

You can use this product even where it may be splashed with water and you can handle it with wet hands, but it is not water-proof. Bear in mind the following points when using the product.

- **Do not use the AC adaptor in high humidity areas such as a bathroom.**
- **Do not allow the unit to be splashed with large amounts of water (seawater, hot water or soapy water) or immerse it in water.**
If water enters the unit it may be damaged.
- **If you drop the unit in water, take it out immediately and turn it off.**
- **Do not touch the unit with soapy hands.**

WARNING:

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

CAUTION!

DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.

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 socket outlet shall be installed near the equipment and easily accessible or the mains plug or an appliance coupler shall remain readily operable.

Marking sign is located on bottom of the unit.

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

Notice:

This product has parts that contains a small amount of mercury. Disposal of these materials may be regulated in your community due to environmental considerations.

For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance: <<http://www.eiae.org>.>

- **Do not open the disc lid in wet places such as a bathroom.**

Before opening or closing the disc lid, wipe the unit dry using a dry cloth, and then ensure that you open or close the lid with dry hands in a place where the unit will not be splashed with water.

- **Do not dry the unit with a dryer.**

This will cause the unit's cabinet and parts to deteriorate and can cause a fire.

- **Securely close the disc lid and the rubber cap for the DC IN jack.**

The rubber parts of these items make the unit water resistant. If there is dirt or scratches on these parts, water may get into the unit and cause an electric shock.

- **Do not place the unit for a long period of time in wet places such as a bathroom.**

■ Batteries

- Do not mix old and new batteries or different types of batteries.
- Align ⊕ and ⊖ properly when inserting.
- Do not recharge ordinary dry cell batteries.
- Remove batteries if the unit is not to be used for a long time.
- Do not use the batteries if the covering has been peeled off.

Mishandling of batteries can cause electrolyte leakage which can damage items the fluid contacts and may cause a fire.

If electrolyte leaks from a battery, consult your dealer.

Wash thoroughly with water if electrolyte comes in contact with any part of your body.

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.

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

CAUTION:

This device complies with Part 15 of the FCC Rules. Operation is subject to the conditions that this device does not cause harmful interference. Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

Maintenance

Do any maintenance in low humidity areas and make sure that your hands are dry.

- To clean this unit, wipe with a soft, dry cloth.
- Never use alcohol, paint thinner, or benzine to clean this unit.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.

■ **After using the unit in high humidity areas such as bathrooms or kitchens**

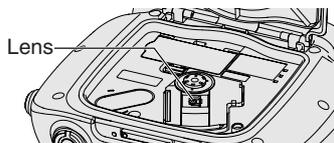
- Wipe off moisture on the unit with a soft dry cloth.
- Thoroughly wipe any moisture that has gathered in the speaker holes.

■ **If the unit is dropped in, or splashed by water**

- 1 Press [OFF] to turn the unit off.
- 2 While the CD lid is closed, wipe off any moisture on the cabinet with a soft dry cloth.
- 3 Wipe off any moisture inside the CD lid and battery compartment and on the battery with a soft dry cloth.

■ **Lens care**

- Clean the lens regularly to prevent malfunctions.
- Use a blower to remove dust and a cotton swab if it is extremely dirty.
- Recommended product:
Lens cleaner kit (SZZP1038C).



Product service

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

Product information

For product information or assistance with product operation:
In the U.S.A., refer to "Customer Services Directory" right column.
For assistance in the continental U.S.A. in obtaining repairs please ship the product to :
Panasonic Service Company - Customer Servicer
Suite B 4900 George McVay Drive
McAllen, TX 78503

In Puerto Rico contact Panasonic Puerto Rico, Inc.
Tel. (787) 750-4300 Fax. (787) 768-2910

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

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

Also, the purchaser will be responsible for shipping the unit to the above address.
In Canada, contact the Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or visit the website (www.panasonic.ca), or an authorized Servicer closest to you.

ONLY FOR CANADA

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC/TECHNICS PRODUCT - LIMITED WARRANTY

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

Technics Audio Product _____ **One (1) year, parts and labour**
Panasonic Audio & DVD Product _____ **One (1) year, parts and labour**
Accessories including rechargeable batteries _____ **Ninety (90) days**

LIMITATIONS AND EXCLUSIONS

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

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

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

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

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

WARRANTY SERVICE

For product operation and information assistance, please contact your Dealer or our Customer Care Centre at: Telephone #: (905) 624-5505 Fax #: (905) 238-2360 Web: www.panasonic.ca

For product repairs, please contact one of the following:

- Your Dealer who will inform you of an authorized Servicer nearest you.
- Our Customer Care Centre at (905) 624-5505 or www.panasonic.ca
- A Panasonic Factory Servicer listed below:

Richmond, British Columbia	Calgary, Alberta	Mississauga, Ontario	Lachine, Québec
Panasonic Canada Inc. 12111 Riverside Way Richmond, BC V6W 1K8 Tel: (604) 278-4211 Fax: (604) 278-5627	Panasonic Canada Inc. 6835-8th St. N. E. Calgary, AB T2E 7H7 Tel: (403) 295-3955 Fax: (403) 274-5493	Panasonic Canada Inc. 5770 Ambler Dr. Mississauga, ON L4W 2T3 Tel: (905) 624-8447 Fax: (905) 238-2418	Panasonic Canada Inc. 3075, rue Louis A. Amos Lachine, QC H8T 1C4 Tel: (514) 633-8684 Fax: (514) 633-8020

IF YOU SHIP THE PRODUCT TO A SERVICENTRE

Carefully pack and send prepaid, adequately insured and preferably in the original carton. Include details of the defect claimed, and proof of date of original purchase.

Regarding CDs

■ Note on CD-R and CD-RW

This unit can play CD-R and CD-RW recorded with CD-DA. Use an audio recording disc for CD-DA and finalize* it when you finish recording.

The unit may not be able to play some discs due to the condition of the recording.
*A process performed after recording that enables CD-R/CD-RW players to play audio CD-R and CD-RW.

■ Caution

Choose discs with this mark:

Do not:

- use irregularly shaped CDs.
- attach extra labels and stickers.
- use CDs with labels and stickers that are coming off or with adhesive exuding from under labels and stickers.
- attach scratch-proof covers or any other kind of accessory.
- write anything on the CD.
- clean CDs with liquids (Wipe with a soft, dry cloth.).

Note about using a DualDisc

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



ONLY FOR U.S.A.

**Panasonic Consumer Electronics Company,
Division of Panasonic Corporation
of North America**
One Panasonic Way Secaucus, New Jersey 07094

Panasonic Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park, Carolina,
Puerto Rico 00985

Panasonic Portable Audio Products Limited Warranty

Limited Warranty Coverage

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

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

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

Mail-In Service

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

**Panasonic Service Company
Customer Servicer**
Suite B
4900 George McVay Drive
McAllen, TX 78503

For assistance in Puerto Rico call Panasonic Puerto Rico, Inc. (787)-750-4300 or fax (787)-768-2910. When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone number where you can be reached.

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

Limited Warranty Limits And Exclusions

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

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE".

THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, travel to and from the servicer, loss of or damage to media or images, data or other memory or recorded content. The items listed are not exclusive, but are for illustration only.)

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

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicer. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

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

Customer Services Directory

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

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

or, contact us via the web at:

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

You may also contact us directly at:

1-800-211-PANA (7262),

Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

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

Accessory Purchases

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

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

You may also contact us directly at:

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

Panasonic Services Company
20421 84th Avenue South, Kent, WA 98032

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

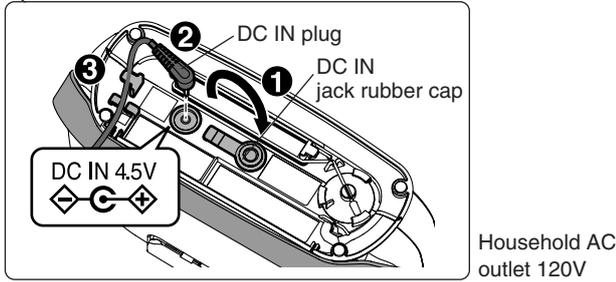
For hearing or speech impaired TTY users, TTY: 1-866-605-1277

Power Supply Preparations/ Connections

AC adaptor (included)

Do not use the AC adaptor in high humidity areas such as bathrooms.

- Close the rubber cap for the DC IN jack when not using the AC adaptor.
- The AC adaptor consumes a small amount of power when the unit is turned off (approximately 2 W). When the unit is not to be used for a long time, we recommend unplugging the AC adaptor from the household AC outlet to save power. It is necessary to reprogram memory items such as stored stations before use.



To DC IN jack

Connect the AC adaptor to the household AC outlet before connecting it to this unit.

Note

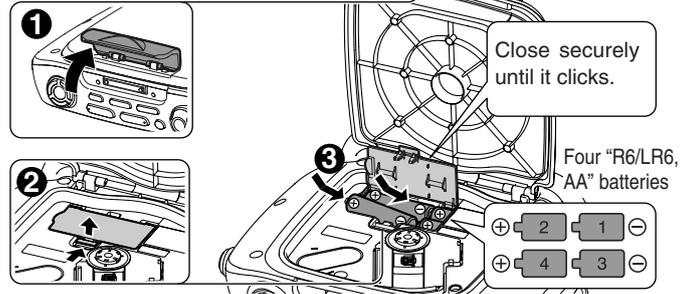
- “- : - : -” is displayed when the AC adaptor is connected or when the dry batteries are inserted.
- These speakers do not have magnetic shielding. Do not place them near televisions, personal computers or other devices easily influenced by magnetism.
- Keep your speakers at least 10 mm (13/32”) away from the system for proper ventilation.

Dry cell batteries (not included)

Disconnect the DC IN plug, when using dry cell batteries.

If the AC adaptor is not disconnected, the power source will not change to the dry cell batteries.

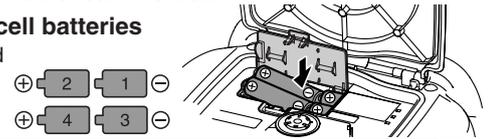
Inserting the dry cell batteries



- Fit the battery lid so it is secure and flush with the battery compartment. The disc may be damaged if the lid becomes loose or is displaced.
- If rechargeable batteries are to be used, rechargeable batteries manufactured by Panasonic are recommended.

Removing the dry cell batteries

Press down on the ⊖ end of batteries 2 and 4.

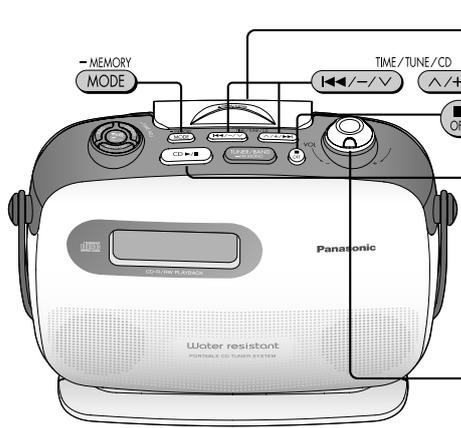


The battery indicator

- The battery indicator appears only when the unit is on.
- The battery indicator flashes when the batteries are almost out of power. Replace the batteries or use the AC adaptor.
- The remaining battery time may differ when listening to a CD or the radio.
- Before playing starts the battery indicator may flash although the batteries are not drained. It appears correctly once you start play.

Listening to CDs

Do not open the disc lid in wet places such as bathrooms.



1 Insert a disc.

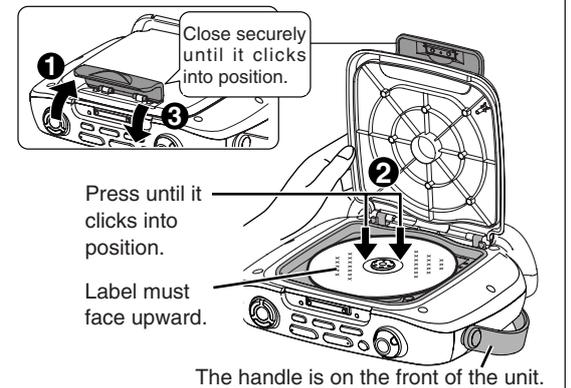
2 Press .

The unit comes on and play starts.

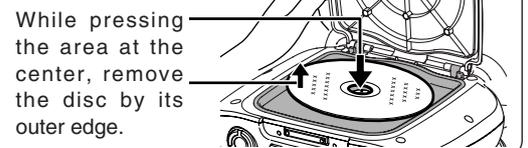


3 Adjust the volume by turning this control toward “+” or “-”. (0-32)

Inserting discs



Removing discs



Pause

Press .

- Press again to restart play.

Stop/Turn off

Press .

- Number of tracks Total play time
- Press while stopped to turn the unit off.
- The unit turns off automatically after approximately 10 seconds even if you do not press this button while stopped.

Search

Press and hold during play.

- You can search only within the current track during one track repeat or random play (right) mode.

Skip

Press .

- During play, press [/] twice to skip to the beginning of the previous track.
- You cannot skip to tracks that have been played during random mode (right).

Repeat play/Random play

Press .

Each time the button is pressed

→ → RND
One track repeat All track repeat Random repeat



↑ No display (cancelled)

Listening to the Radio

1 Press **TUNER/BAND** to turn the tuner on and change the band.

Each time the button is pressed **AM** → **FM** → **WEATHER**

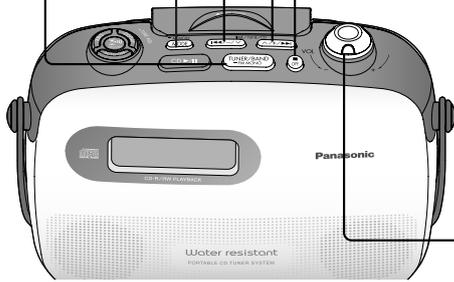
• Press **MEMORY MODE** if “**M**” is displayed. “**M**” disappears.



2 Press **TIME/TUNE/CD** to tune to a station.

- To tune in AM or FM stations automatically (**auto tuning**) Press and hold one of these buttons until the frequency starts to change continuously, and then release it. (The frequency will automatically stop changing as soon as the first station is tuned in.)
- Select channels 1-7 to listen to the weather band. (→ see right)

3 Adjust the volume by turning this control toward “+” or “-”. (0-32)



When listening to the radio on a train or inside a building, reception may be poor. Try and listen beside a window.

To turn off the radio

Press **OFF**.

To select stereo or monaural FM

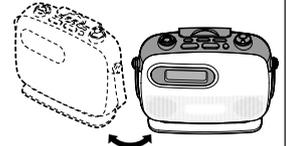
Press and hold **TUNER/BAND** until “**MONO**” appears.



Each time the button is pressed and held **MONO** ↔ No display (Monaural) (Stereo) Noise is reduced

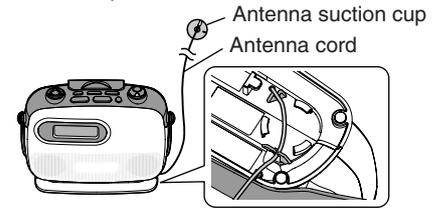
To obtain good reception

AM Try various directions to obtain optimum reception.



FM/WEATHER

Extend the antenna cord and attach the antenna suction cup to a wall.



Weather band

- Weather Radio broadcasts warnings, watches, forecasts and other information 24 hours a day on 7 VHF band frequencies (162.40 MHz to 162.55 MHz) in the U.S. and Canada, with each frequency serving specific areas. Choose the channel for your area.
- For further information: In the U.S. visit <http://www.nws.noaa.gov/nwr/> In Canada visit http://www.msc-smc.ec.gc.ca/cd/factsheets/wxradio/index_e.cfm
- This unit does not have an associated alarm function.

Storing stations in the memory

Store the frequencies of up to 30 stations: 10 FM, 10 AM and 10 Weather

Storing your favorite stations in the memory

1 Press **TUNER/BAND** to turn the tuner on and change the band.

Each time the button is pressed **AM** → **FM** → **WEATHER**

2 Press **MEMORY MODE** to display “**M**”.



3 Store stations in the memory as desired.

1 Press and hold **MEMORY MODE** until the frequency number or the channel number and “**M**” flash.

Do each of the following within 10 seconds.

When the original display is restored, proceed from step 1.

2 Press **TIME/TUNE/CD** to tune to a station.

3 Press **MEMORY MODE**.

4 Press **TIME/TUNE/CD** to select the memory number.

• Press and hold to make the numbers change rapidly.

5 Press **MEMORY MODE**.

The band number and frequency are set.

To store another station in the memory, repeat steps 1 to 5.

Listening to preset stations

1 Perform steps **1** and **2** (left).

2 Press **TIME/TUNE/CD** to select the memory number.

• Press and hold to make the numbers change rapidly.



3 Adjust the volume by turning this control toward “+” or “-”.



Setting the time

Example: Set to 3:30 PM (15:30) (“- - - -” is displayed before the time has been set.)

1 Press and hold **TIME ADJ. DISPLAY** until the hour display flashes.

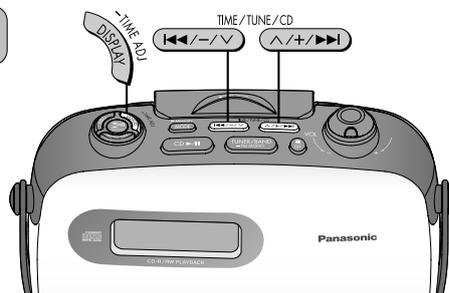


2 Press **TIME/TUNE/CD** to set the hour.

• Press and hold to make the numbers change rapidly.



3 Press **TIME ADJ. DISPLAY**.



4 Press **TIME/TUNE/CD** to set the minutes.

• Press and hold to make the numbers change rapidly.



5 Press **TIME ADJ. DISPLAY**.

The time starts.

Note

- We recommend adjusting the time regularly to maintain accuracy. (Monthly accuracy ±60 seconds)
- When you play a CD or the radio, the display changes but the time is displayed again after about 10 seconds.

Using the Kitchen Timer

Set the alarm to sound after between approximately 1 to 120 minutes.

1 Press .

2 Press to select the time (1 to 120 minutes).

3 Press .

Time (minutes)

Within 10 minutes

Remaining time (minutes)

The unit beeps and the remaining time is displayed. The alarm sounds when the remaining time becomes "0:00". It continues for 30 minutes.

Note

- You cannot shut off the kitchen timer by disconnecting the power supply.
- You can use the kitchen timer without adjusting the time display.
- You cannot adjust the volume of the alarm.

To cancel the kitchen timer

Press .

- You cannot cancel the kitchen timer by pressing .

To shut off the alarm

Press any button to shut off the alarm.

Storing times (minutes) on the kitchen timer

You can store up to five times (minutes).

1 Press and hold until the memory number and "M" flash.

Memory number

Do each of the following within 10 seconds.

When the original display is restored, proceed from step 1.

2 Press to select a memory number.

3 Press .

4 Press to select the time (minutes).

Time (minutes)

5 Press .

"M" flashes for approximately 10 seconds and the time (minutes) is saved.

To store another time in the memory, repeat steps 1 to 5.

Using the saved times (minutes)

1 Press .

2 Press to display "M".

3 Press to select a memory number.

4 Press .

Remaining time

The unit beeps and the remaining time is displayed. The alarm sounds when the remaining time becomes "0:00". It continues for 30 minutes.

Other functions

Changing the sound quality

Press during play.

Each time the button is pressed

XBS \leftrightarrow No display (canceled)

Boosts the bass

- The effect differs with different kinds of music.

Using the sleep timer

Setting the unit to turn off automatically after a certain time.

Press to select the time while listening to a CD or the radio.

Each time the button is pressed

30 \rightarrow 60 \rightarrow 90 \rightarrow 120

OFF (canceled)

Remaining time (minutes)

Checking the remaining time

Press once.

CD/Radio display

Changing the display

Press .

While listening to a CD or the radio

The radio or CD display is shown for approximately 10 seconds.

RADIO 3:30 \rightarrow RADIO 87.5

While using the kitchen timer

- The radio or CD display is shown for approximately 10 seconds.
- While the radio or CD display is shown, press again to show the time for approximately 5 seconds.

RADIO 1:59 \rightarrow RADIO 87.5

(approximately 10 seconds)

RADIO 3:30

(approximately 5 seconds)

Note

- The time will not be displayed if it is not set.