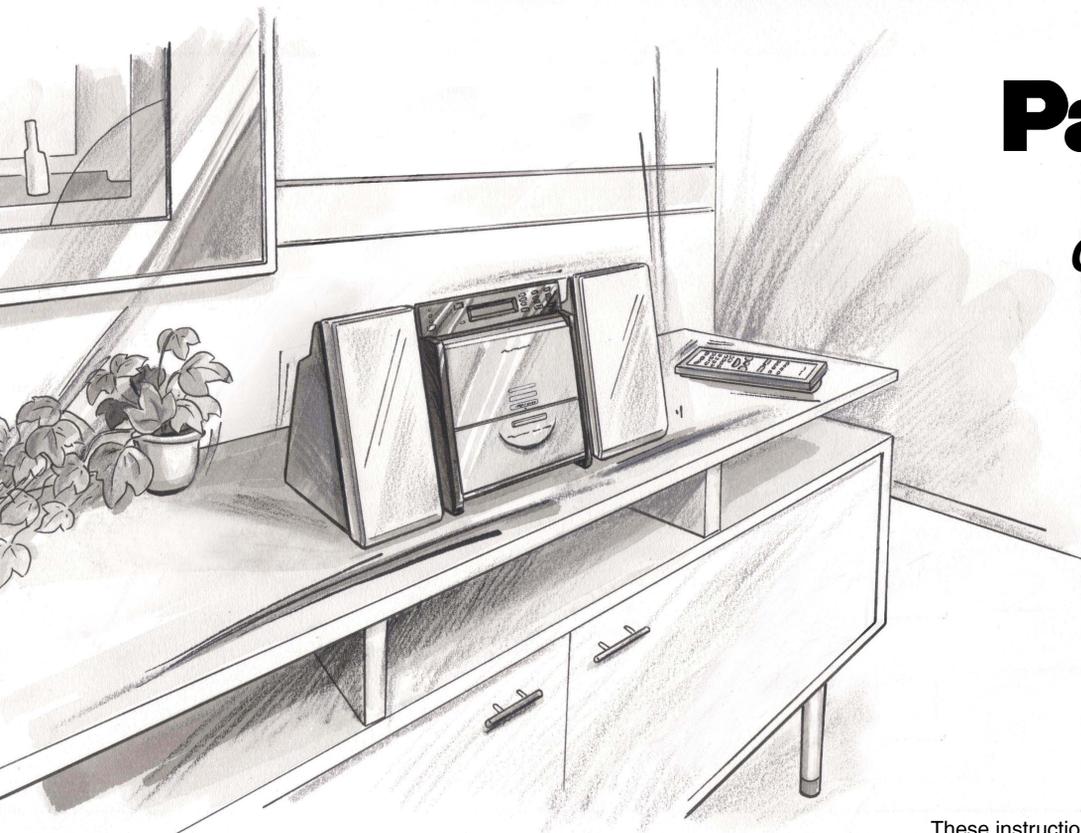


Panasonic®

CD Stereo System Operating Instructions

Model No. **SC-EN7**
SC-EN6



These instructions are applicable to the following systems.

System	SC-EN7	SC-EN6
Main unit	SA-EN7	SA-EN6
Speakers	SB-EN7	

SC-EN7 is used in the illustrations unless otherwise mentioned.

Dear customer

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

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 the website (<http://www.panasonic.com/contactinfo>), or the website (<http://www.panasonic.com/support>).

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

No play.	<ul style="list-style-type: none"> The disc isn't correctly set. The disc is scratched or dirty. (Tracks skipped.) There is moisture on the lens. Wait for about an hour and then try again.
MP3 cannot be read (SC-EN7).	<ul style="list-style-type: none"> You may not be able to play MP3 if you have copied a multi-session disc that has no data between sessions. When creating a multi session disc, it is necessary to close the session. The amount of data on the disc is too small. Set the amount of data to greater than approximately 5MB.
Sound is unfixed, reversed or comes from one speaker only.	<ul style="list-style-type: none"> Check the speaker connections. (→ page 2)
No sound or there is a lot of noise.	<ul style="list-style-type: none"> Noise may occur when playing MP3 if recording quality is poor (SC-EN7). Keep this unit away from mobile telephones. Turn the volume up. Switch off the unit, determine and correct the cause, then switch the unit on. Causes include shorting of the positive and negative speaker wires, straining of the speakers through excessive volume or power, and using the unit in a hot environment.
Humming heard during play.	<ul style="list-style-type: none"> An AC power supply cord or fluorescent light is near the cables. Keep other appliances and cords away from this unit's cables.

A beat sound is heard while receiving a radio broadcast.	<ul style="list-style-type: none"> Turn the TV off or separate it from the unit.
A low hum or noise is heard during AM broadcasts.	<ul style="list-style-type: none"> Keep the antenna away from other cables and cords. Keep the AM antenna away from the unit.
The picture on the television near the set disappears or stripes appear on the screen.	<ul style="list-style-type: none"> The location and orientation of the antenna are incorrect. The TV antenna wire is too close to the unit. Separate the antenna wire of the TV set from the unit.
Remote control doesn't work.	<ul style="list-style-type: none"> Check that the battery is inserted correctly. (→ page 2) Replace the battery if it is worn.

Display

--:--	<ul style="list-style-type: none"> You plugged the AC adaptor in for the first time or there was a power failure recently. Set the time. (→ page 5) The total programmed play time is more than 200 minutes. Tracks can still be programmed and played.
PGM FULL	<ul style="list-style-type: none"> The number of programmed tracks is limited to 24. No further tracks can be programmed.
NOT MP3	<ul style="list-style-type: none"> A non-CD-DA or non-MP3 CD-ROM disc is inserted. Cannot be played.
ERROR	<ul style="list-style-type: none"> Incorrect operation performed. Read the instructions and try again.
F76	<ul style="list-style-type: none"> There is a power supply problem. Consult the dealer.

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

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc. ("PSC")
Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park, Carolina,
Puerto Rico 00985

Panasonic Canada Inc.
5770 Ambler Drive
Mississauga, Ontario
L4W 2T3
www.panasonic.ca



Supplied accessories

 Use the numbers indicated in parentheses when asking for replacement parts.

(Only for U.S.A.)
To order accessories contact 1-800-332-5368 or the website (<http://www.pasc.panasonic.com>).

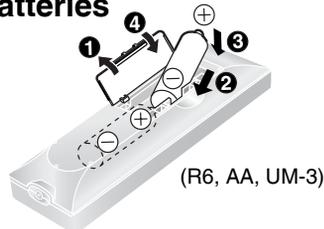
- 1 Remote control
SC-EN7 (EUR7711110) **SC-EN6** (EUR7711120)
- 2 Batteries
- 1 AC adaptor
(RFEA206C-T)
- 1 AM loop antenna
(G0ZZ00002036)

Note

The included AC adaptor is for use with this unit only. Do not use with other equipment.

The remote control

Batteries



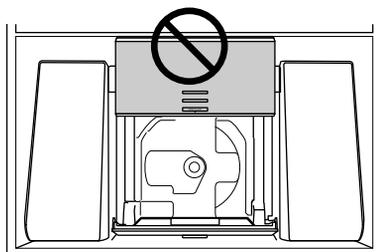
- Insert so the poles (+ and -) match those in the remote control.
- Do not use rechargeable type batteries.

Use



- Remote control signal sensor
- Aim at the sensor, avoiding obstacles, at a maximum range of 7 m directly in front of the unit.
- Operation can be affected by strong light sources, such as direct sunlight, and the glass doors on cabinets.

Placements



Place this unit in an area with more than 300 mm (11¹³/₁₆"") of vertical space. The CD lid may become damaged if it cannot open completely.

Placement of speakers

You can remove the speaker cover netting. Left and right speakers are exactly the same.

Note

- Keep your speakers at least 10 mm (13/32") away from the system for proper ventilation.
- These speakers do not have magnetic shielding. Do not place them near televisions, personal computers or other devices easily influenced by magnetism.
- To avoid damage to the speakers, do not touch the speaker cones if you have taken the nets off.

Caution

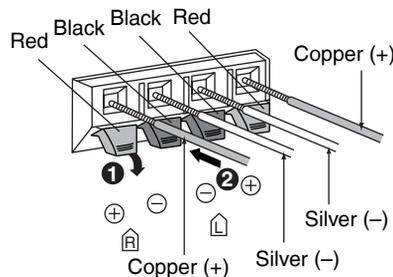


- Use the speakers only with the recommended system. Failure to do so may lead to damage to the amplifier and/or the speakers, and may result in the risk of fire. Consult a qualified service person if damage has occurred or if you experience a sudden change in performance.
- Do not attach these speakers to walls or ceilings.

Connections

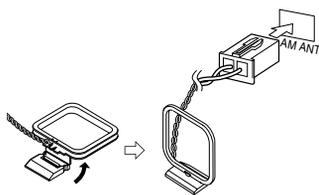
1 Speakers

Before connecting, twist and pull off the vinyl tip of the speaker cords.



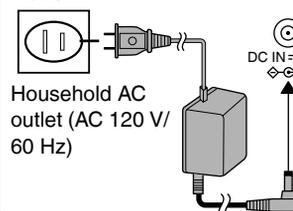
2 AM loop antenna

Stand the antenna up on its base.



3 AC adaptor

Connect the AC adaptor only after all other connections have been made.

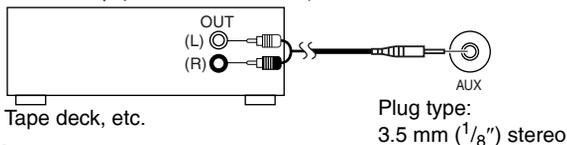


Conserving power

The AC adaptor consumes 2.6 W even when the unit is turned off. To save power when the unit is not to be used for a long time, unplug the AC adaptor from the household AC outlet. If the unit is left unplugged for longer than approximately two weeks, all settings will revert to the factory settings. Do the settings again if this occurs.

Other equipment

(Cables and equipment not included.)



Use

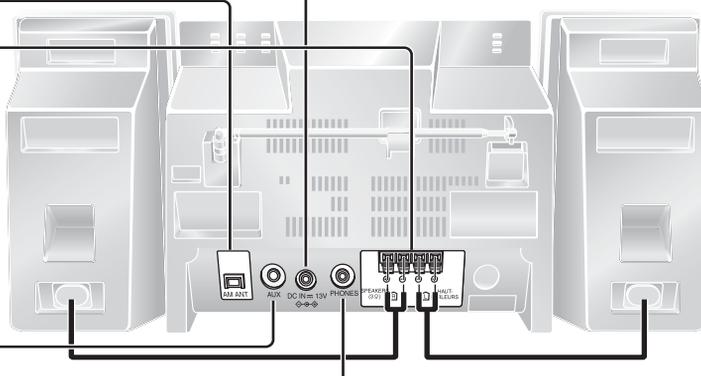
Main unit **Remote control**



Start Playback from the other source.

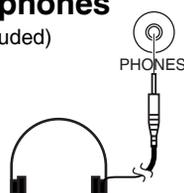
Note

- An analog player with a built-in phono equalizer can be connected.
- For details, refer to the instruction manual of the other equipment.



Headphones

(Not included)



Reduce the volume before connection. Plug type: 3.5 mm (1/8") stereo

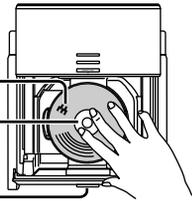
Note

Avoid listening for prolonged periods of time to prevent hearing damage.

CD operations

1 Set the CD in place.

The CD lid opens and the unit comes on.
Label must face outward.
Press until you hear it click into place.



Press again to close.

Keep fingers away from the CD lid when it is closing to avoid possible minor injury.

2 Start play.

Main unit



Remote control

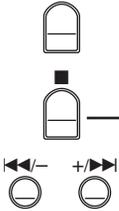


Elapsed playing time of track
Track number

1 0:01

If the CD is already in the unit, the unit comes on and play begins. (One touch play)

To turn on the unit
POWER ϕ /I



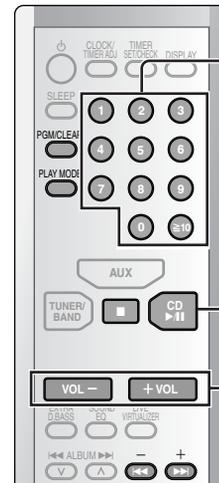
Function indicator

The color changes when using the CD mode.

To adjust the volume



0 (Minimum) 50 (Maximum)



Input using the numbered buttons

To select a 2-digit number

e.g. 16: ≥ 10 → [1] → [6]

To select 3-digit number

e.g. 226:

≥ 10 → ≥ 10

→ [2] → [2] → [6]

2

To adjust the volume

Stop

Main unit



Remote control



Number of tracks
Track play time

14 40:21

Number of albums
Number of tracks

2 18

MP3
(SC-EN7)

Pause

Main unit



Remote control



10 2:16

Press again to resume play.

Skip/Search

Main unit



Remote control



Press to skip/
Press and hold to search

Note

- You cannot search through MP3 files (SC-EN7).
- Perform search during play or while paused.
- You can search only within the current track during program, one track repeat, or random play.

Direct access play

Play starts with the track you select.



Select the desired track

Repeat play/random play

PLAY MODE



Select the play mode

Each time you press the button:

1-Repeat → RND

(While stopped)

No display (Canceled)

Note

- During random play, you cannot skip to the previous track.
- You cannot select "RND" while playing MP3 (SC-EN7).
- You cannot use random play and program play at the same time.

Program play

This function allows you to program up to 24 tracks.

PGM/CLEAR

Press while stopped



Select tracks
(Maximum 24 tracks)



Start play

Track number

6 --- 01 Sequence number

Track number

(CD only) 6 4:01 Total play time

Erase a program
(While stopped)



CLEAR

Note

Program contents are stored in memory even after the function has been changed or the unit is turned off. All program contents are erased by pressing [PGM/CLEAR] or by opening the CD lid.

Confirm a programmed track
(While stopped)



Add a program track
(While stopped)



Select the track you want to add

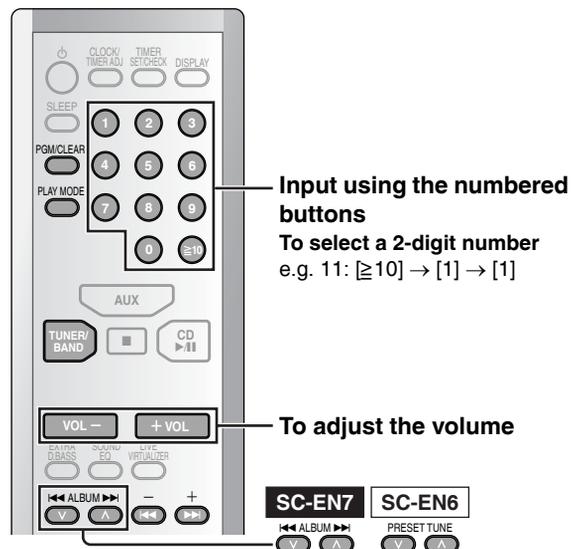
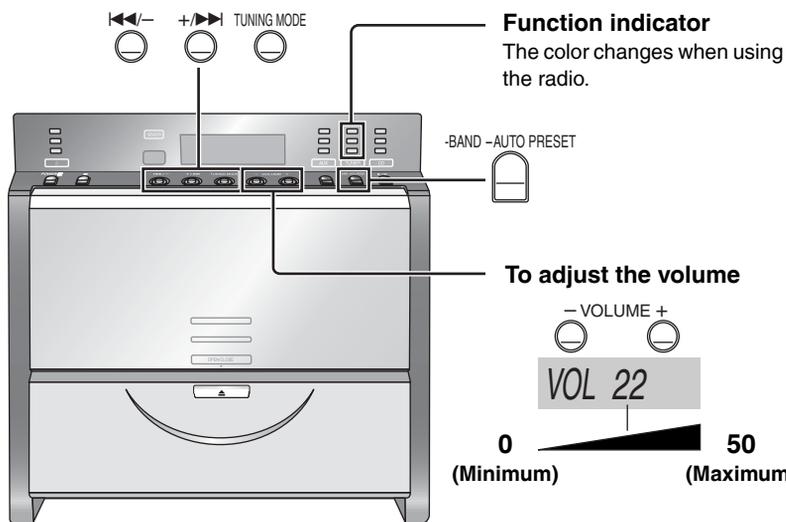
Note

- You cannot use random play and program play at the same time.

Refer to page 6 regarding MP3 play (SC-EN7 only).

Radio operations

Radio stations can be turned manually by selecting the station's frequency or they can be preset into channels to make it easy to tune. You can preset up to 20 FM channels and up to 12 AM channels.



Manual tuning

Main unit

-BAND -AUTO PRESET → TUNING MODE → [Left] [Right]

Select "FM" or "AM" → Select "MANUAL" → Select the frequency

Remote control

TUNER/BAND → [Left] [Right]

Select "FM" or "AM" → Select the frequency

Auto tuning

Main unit **Remote control**

[Left] [Right] [Left] [Right]

Press and hold until the frequency starts changing rapidly

- Auto tuning stops when it finds a station.
- To cancel auto tuning press the same button again.

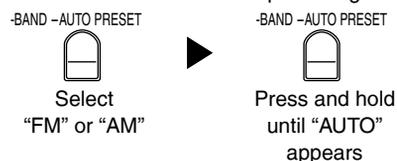
Note

- Auto tuning may not function when there is excessive interference.

Automatic presetting

The tuner presets all the stations it can receive into channels in ascending order.

Perform both FM and AM station presetting once.

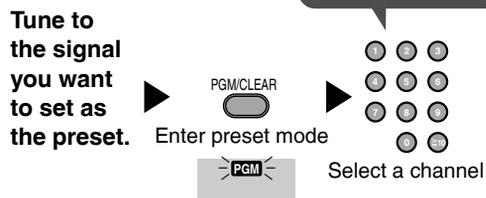


Note

During automatic presetting, the memory indicator (PGM) flashes and the frequency scrolls. The memory indicator and channel numbers are displayed for a second when a station is preset. The first station to be preset is displayed when presetting finishes.

Manual presetting

Preset the stations one at a time.



Note

The station occupying a channel is erased if another station is preset over that channel.

Selecting channels

Main unit

-BAND -AUTO PRESET → TUNING MODE → [Left] [Right]

Select "FM" or "AM" → Select "PRESET" → Select a channel

Remote control

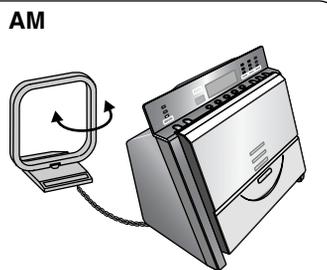
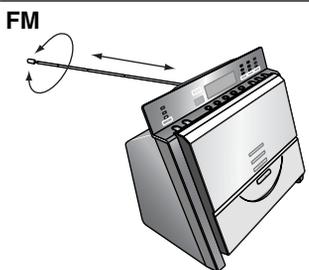
TUNER/BAND → [Left] [Right]

Select "FM" or "AM" → Select a channel

TUNER/BAND → [Numbered Buttons]

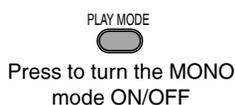
Select "FM" or "AM" → Select a channel

To improve reception



If noise is excessive in FM

You can improve FM reception by switching reception to monaural.

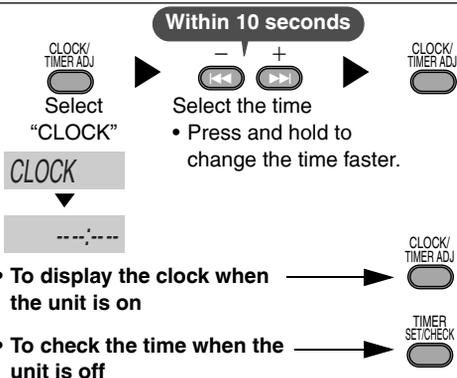


Timer and others



Setting the time

This is a 12-hour clock.

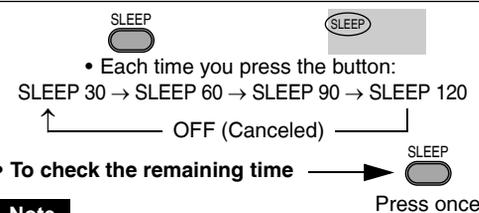


Note

The clock is accurate to within ± 60 seconds a month. Readjust if necessary.

SLEEP timer

The SLEEP timer can turn the unit off after a set time.

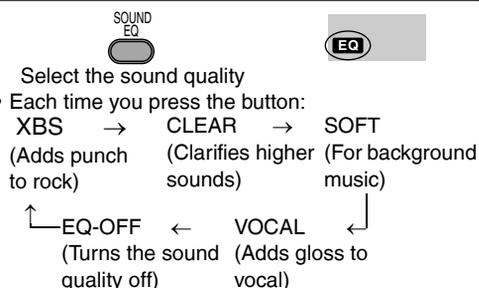


Note

The play and sleep timer can be used together. The sleep timer always has priority. Be sure not to overlap timer settings.

Sound quality

You can choose one of four types of sound quality.



Live Virtualizer

You can create a three-dimensional sound field when listening to stereo sound.



Note

The actual effect depends on the source played.

Extra D.Bass

Boosts the bass.



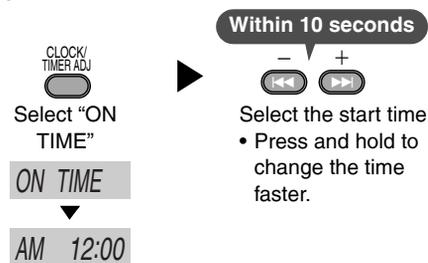
Play timer

This timer starts play of the selected source at the selected time.

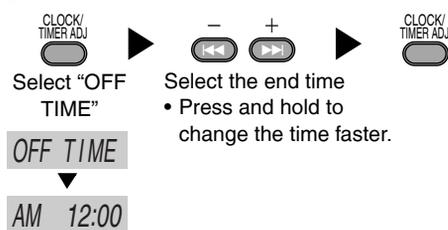
Preparation: Set the clock (see left).

1 Perform timer settings

① Set the start time



② Set the end time



2 Select the source and adjust the volume



3 Turn the timer on



The unit must be off for the timer to operate.

Note

You can enjoy other sources after you have set the timer.

• To cancel the timer while the unit is on → Clear "⓪PLAY"

Note

The timer function will be canceled, but the settings stay in the memory. The timer comes on every day if the timer is on.

• To change the timer → Clear "⓪PLAY" and set the timer again

• To check the setting while the unit is off →

Note

• If you turn the unit off and on again while the timer is functioning, the finish time setting will not be activated.
• When the "AUX" source is selected, set the timer on the connected equipment to the same time.

Display

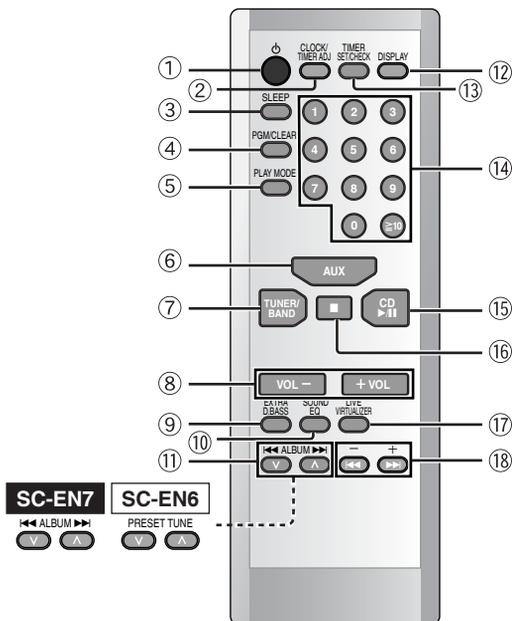
You can change the display.



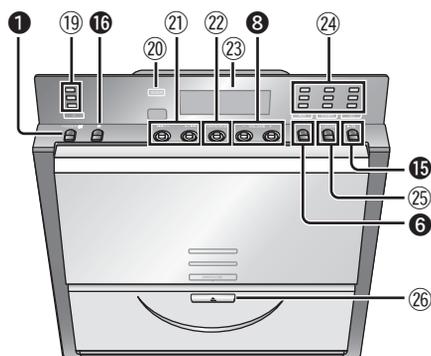
The following types of information are displayed.

- Original display
- MP3 track title display (SC-EN7)
- MP3 album title display (SC-EN7)
- Time display

Control guide



Buttons such as 1 function the same as the controls on the remote control.



- ① **Power button** [⏻]..... 3
Press to switch the unit from on to standby mode or vice versa.
In standby mode, the unit is still consuming a small amount of power.
- ② **Clock/timer adjust button** [CLOCK/TIMER ADJ]..... 5
- ③ **SLEEP timer button** [SLEEP] 5
- ④ **CD program/clear, tuner preset button** [PGM/CLEAR] 3, 4
- ⑤ **Play mode button** [PLAY MODE]..... 3, 4, 6
- ⑥ **AUX button** [AUX]..... 2
- ⑦ **Tuner/band select button** [TUNER/BAND] 4
- ⑧ **Volume buttons** [VOL -, + VOL] 3
- ⑨ **Extra D.Bass button** [EXTRA D.BASS] 5
- ⑩ **Sound EQ button** [SOUND EQ] 5
- ⑪ **SC-EN7** Album skip, preset channel select buttons [V, ^, ◀◀ ALBUM ▶▶]..... 4, 6
- ⑫ **SC-EN6** Preset channel select buttons [V, ^, PRESET TUNE].... 4
- ⑬ **Display button** [DISPLAY]..... 5
- ⑭ **Timer set/check button** [TIMER SET/CHECK]..... 5
- ⑮ **Numbered buttons** [1-9, 0, ≥10]..... 3
- ⑯ **CD play/pause button** [CD ▶/||]..... 3
- ⑰ **CD stop button** [■]..... 3
- ⑱ **Live virtualizer button** [LIVE VIRTUALIZER]..... 5
- ⑲ **CD skip/search, frequency select, time adjust buttons** [◀◀, ▶▶, -, +]..... 3, 4, 5

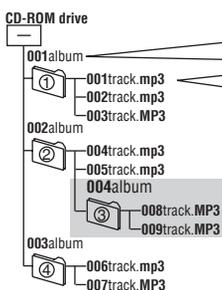
- ⑲ **Standby indicator**
When the unit is connected to the AC adaptor, this indicator lights up in standby mode and goes out when the unit is turned on.
- ⑳ **Remote control signal sensor**
- ㉑ **CD skip/search, tune/preset channel select, time adjust buttons** [◀◀/-, +/▶▶] 3, 4
- ㉒ **Tuning mode select button** [TUNING MODE]..... 4
- ㉓ **Display**
- ㉔ **Function indicator**..... 3, 4
The color changes depending on the source used.
- ㉕ **Tuner, band select, auto preset button** [TUNER, -BAND -AUTO PRESET]..... 4
- ㉖ **CD open/close button** [▲ OPEN/CLOSE] 3

MP3 operations (SC-EN7 only)

This unit can play MP3, a method of compressing audio without overtly hurting audio quality.

When creating MP3 files to play on this unit

- Maximum number of tracks and albums: 999 tracks and 256 albums.
- Compatible compression rate: Between 64 kbps and 320 kbps (stereo). 128 kbps (stereo) is recommended.
- Disc formats: ISO9660 level 1 and level 2 (except for extended formats).
- It is better not to create folders (album) within folders (004album below).



Naming tracks and albums

Prefix with 3-digit numbers in the order you want to play

Extension

001track.mp3 (or.MP3)

Up to 31 characters for tracks and albums

If you created an album such as 004album on the left, the files may not play in order. The albums would play in the order ①, ②, ③, ④.

Limitations on MP3

- This unit is compatible with multi-session but if there are a lot of sessions it takes more time for play to start. Keep the number of sessions to a minimum to avoid this.
- This unit cannot play files recorded using packet write.
- If the disc includes both MP3 and normal audio data (CD-DA), the unit plays the type recorded in the inner part of the disc.
- If the disc includes both MP3 and other types of audio data (e.g. WMA or WAV), the unit plays only the MP3.
- Depending on how you create MP3 files, they may not play in the order you numbered them or may not play at all.
- Upper case alphanumeric characters and an underbar “_” can be displayed on this unit. Lower case characters are converted to upper case.

Regarding CDs

Note on CD-R and CD-RW

This unit can play CD-R and CD-RW recorded with CD-DA or MP3 (MP3: SC-EN7 only). 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.).



Album play

You can listen to tracks within albums.

[ALBUM] : Album play

[ALBUM] ↻ Album repeat

◀◀ ALBUM ▶▶ PLAY MODE CD ▶/||

Select the album Select “ALBUM” or “ALBUM”

[ALBUM]

• Skip the album ▶▶

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.



Listening caution



Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion—and, most importantly, without affecting your sensitive hearing.

We recommend that you avoid prolonged exposure to excessive noise.

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.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

User memo:

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

Product Service

1. **Damage requiring service** — The unit should be serviced by qualified service personnel if:
 - (a) The AC adaptor or the plug 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. The servicer will require all components to service your system. Therefore, should service ever be necessary, be sure to bring the entire system.

Product information

For product information or assistance with product operation: In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or the website (<http://www.panasonic.com/contactinfo>), or the website (<http://www.panasonic.com/support>). In Canada, contact the Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or visit the website (www.panasonic.ca), or an authorized Servicentre closest to you.

<p>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.</p> <p>MODEL NUMBER _____</p> <p>SERIAL NUMBER _____</p>

Specifications

<p>■ Main unit</p> <p>Radio</p> <p>Frequency range</p> <p>FM 87.5–108.0 MHz (100 kHz steps)</p> <p>AM 520–1710 kHz (10 kHz steps)</p> <p>CD player</p> <p>Sampling frequency 44.1 kHz</p> <p>Decoding 16 bit liner</p> <p>Beam source</p> <p>Semiconductor laser (wavelength 780 nm)</p> <p>Number of channels 2 channel, stereo</p> <p>Wow and flutter</p> <p>Less than possible measurement data</p> <p>D/A converter MASH (1 bit DAC)</p>	<p>Terminals</p> <p>Input AUX: 3.5 mm stereo (27 kΩ)</p> <p>Output PHONES: 3.5 mm stereo (32 Ω)</p> <p>General</p> <p>Power supply AC 120 V, 60 Hz</p> <p>AC adaptor DC 13 V, 1.5 A</p> <p>Power consumption 30 W</p> <p>Dimensions (W×H×D) 240×216×170 mm (9⁷/₁₆"×8¹/₂"×6¹¹/₁₆"</p> <p>Mass</p> <p>With speakers 3.0 kg (6 lb. 10 oz.)</p> <p>Without speakers 1.6 kg (3 lb. 8 oz.)</p>	<p>■ Speakers</p> <p>Full range 8 cm (3¹/₈"), 3 Ω×2</p> <p>Ceramic tweeter 1.52 cm (¹⁹/₃₂")×2</p> <p>Dimensions (W×H×D) 107×230×165 mm (4¹/₃₂"×9¹/₁₆"×6¹/₂"</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <p>Power consumption in standby mode: 2.6 W</p> </div> <p>Note</p> <p>Specifications are subject to change without notice. Mass and dimensions are approximate.</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <p>MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.</p> </div>
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CAUTION!

THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING:

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

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	INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM. (NEC80025-1/Class 3b)
ATTENTION	RAYONNEMENT LASER INVISIBLE DANGEREUX EN CAS D'OUVERTURE ET, LORSQUE LA SECURITE EST NEUTRALISEE, EXPOSITION DANGEREUSE AU FAISCEAU.
ADVARSEL	USYNLIG LASERSTRÅLING VED ÅBNING. NÅR SIKKERHEDSAFFRYDRE ER UDE AF FUNKTION, UNDGÅ UDSETTELSE FOR STRÅLING.
VARO!	AVATPÄSSÄ JA SUOJAALUJUTUS OHITETTÄSSÄ OLET ALTIINA NÄKYMÄTÖNTÄ LASERSÄTEIKYLLE, ÄLÄ KATSO SÄTEESEEN.
WARNING	OSYNLIG LASERSTRÅLING NÅR DENNA DEL ÄR ÖPPAD OCH SPÄRRIN ÄR URKOPPLAD, BETRÄKTA EJ STRÅLEN.
VORSICHT	UNSICHTBARE LASERSTRALHUNG, WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERREGELUNG ÜBERBRÜCKT, NICHT DEM STRAHL AUSSETZEN.
ADVARSEL	USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSÅS BRYTES, UNDGÅ EKSPONERING FOR STRÅLEN. (ROLXS0053)

(Inside of product)

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.

Maintenance

To clean this unit, wipe with a soft, dry cloth.

- Never use alcohol, paint thinner or benzene to clean this unit.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.

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

ONLY FOR U.S.A.

Panasonic/Technics 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 Sales Company (collectively referred to as "the warrantors") 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
Audio Products (except items listed below)	One (1) year	One (1) year
All Audio Racks (cabinets)	Thirty (30) days	Not Applicable
Technics Stand Alone Speakers, Subwoofer Speakers	Three (3) years	Three (3) years
USB Reader-Writer, Personal Computer Card Adapters (in exchange for defective item)	One (1) year	Not Applicable
Accessories: Headphones, Cartridges, Microphones, Adapters	Ninety (90) days	Ninety (90) days
Rechargeable Batteries, DVD-R/-RAM Discs (in exchange for defective item)	Ten (10) days	Not Applicable
SD Memory Cards, Rechargeable Battery Packs (in exchange for defective item)	Ninety (90) days	Not Applicable

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must carry-in or mail-in your product during the warranty period. If non-rechargeable batteries are included, they are not warranted. This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is". A purchase receipt or other proof of the original purchase date is required for warranty service.

Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Servicenter; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at: <http://www.panasonic.com/support> 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

Carry-In or Mail-In Service

For Carry-In or Mail-In Service in the United States call 1-800-211-PANA (1-800-211-7262) or visit Panasonic web site: <http://www.panasonic.com>
 For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910.

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, or commercial use (such as in a hotel, office, restaurant, or other business), rental use of the product, service by anyone other than a Factory Servicenter or other Authorized Servicenter, 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 media or images, data or other memory content. The items listed are not exclusive, but are for illustration only.) **ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

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

Accessory Purchases

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

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

or, send your request by E-mail to:

npcparts@panasonic.com

You may also contact us directly at:

1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only) (Monday - Friday 9 am to 8 pm, EST.) Panasonic Services Company
 20421 84th Avenue South, Kent, WA 98032
 (We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

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

Service in Puerto Rico

Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company
 Factory Servicenter:
 Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina,
 Puerto Rico 00985
 Phone (787)750-4300, Fax (787)768-2910