



Panasonic®

Operating Instructions CD Stereo System

Model No. **SC-PM4**

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

Note:

"EB" on the packaging indicates the United Kingdom.

Operations in these instructions are described using remote control, but you can do the operations with the main unit if the controls are the same.

Your unit may not look exactly as illustrated.



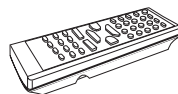
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SUPPLIED ACCESSORIES

Please check and identify the supplied accessories. Use numbers indicated in parentheses when asking for replacement parts. (As of December 2006)

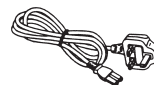
1 x Remote control



(N2QAYB000145)

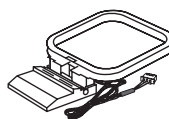
1 x AC mains lead

For the United Kingdom



(K2CT3CA00004)

1 x Loop antenna



(N1DADYY00003)

For Others



(K2CQ2CA00002)

2 x Remote control batteries

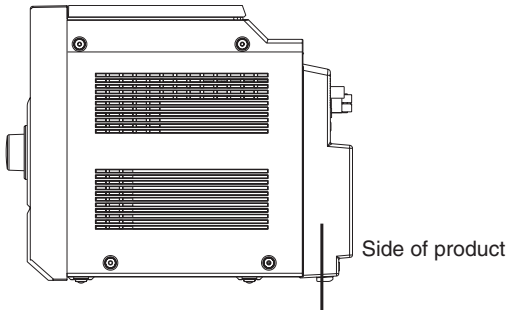


Dear customer

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

These operating instructions are applicable to the following system.

System	SC-PM4
Main unit	SA-PM4
Speakers	SB-PM4



LUOKAN 1 LASERLAITE KLASS 1 LASER APPARAT

CAUTION	CLASS 1M INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1 +A2 Class 1M
WARNING	KLASS 1M OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRRÄN ÄR URKOPPLAD. BETRÄKTA EJ STRÅLEN DIREKT GENOM OPTISKT INSTRUMENT.
FÖRSIGTIG	OSYNLIG LASERSTRÅLNING KLASS 1M. NÄR LÅSET ER ÅBENT OG SIKKERHEDSÅBRYDERE ER UDE AF FUNKTION. UNDGA AT SE UDSE PÅ MED OPTISKE INSTRUMENTER.
VARO	AVATTAESSA JA SUOJALUKITUS OHJETTAESSA OLET ALTITINA LUOKAN 1M NÄKYMÄTÖNÄ LASERSÄTELVÄ. ÄLÄ KATSO OPTISELLÄ LÄITTEELLÄ SUORAAN SÄTEESEEN.
VORSICHT	UNSICHTBARE LASERSTRALUNG KLASSE 1M. WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERREGELUNGEN ÜBERBRÜCKT NICHT DIREKT MIT OPTISCHEN INSTRUMENTEN BETRACHTEN.
ATTENTION	RAYONNEMENT LASER INVISIBLE, CLASSE 1M. EN CAS D'OUVERTURE ET LORSQUE LA SÉCURITÉ EST NEUTRALISÉE, NE PAS REGARDER DIRECTEMENT À L'AIDE D'INSTRUMENTS D'OPTIQUE. RQTV0003

Inside of product
Tuotteen sisällä
Produktets
innside

THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.

This product may receive radio interference caused by mobile telephones during use. If such interference is apparent, please increase separation between the product and the mobile telephone.

The socket outlet shall be installed near the equipment and easily accessible.
The mains plug of the power supply cord shall remain readily operable.
To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from AC receptacle.

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.**

Safety precautions

Placement

Set the unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration. These conditions can damage the cabinet and other components, thereby shortening the unit's service life.
Place it at least 15 cm away from wall surfaces to avoid distortion and unwanted acoustical effects.
Do not place heavy items on the unit.

Voltage

Do not use high voltage power sources. This can overload the unit and cause a fire.

Do not use a DC power source. Check the source carefully when setting the unit up on a ship or other place where DC is used.

AC mains lead protection

Ensure the AC mains lead is connected correctly and not damaged. Poor connection and lead damage can cause fire or electric shock. Do not pull, bend, or place heavy items on the lead.

Grasp the plug firmly when unplugging the lead. Pulling the AC mains lead can cause electric shock.

Do not handle the plug with wet hands. This can cause electric shock.

Foreign matter

Do not let metal objects fall inside the unit. This can cause electric shock or malfunction.

Do not let liquids get into the unit. This can cause electric shock or malfunction. If this occurs, immediately disconnect the unit from the power supply and contact your dealer.

Do not spray insecticides onto or into the unit. They contain flammable gases which can ignite if sprayed into the unit.

Service

Do not attempt to repair this unit by yourself. If sound is interrupted, indicators fail to light, smoke appears, or any other problem that is not covered in these instructions occurs, disconnect the AC mains lead and contact your dealer or an authorized service center. Electric shock or damage to the unit can occur if the unit is repaired, disassembled or reconstructed by unqualified persons.

Extend operating life by disconnecting the unit from the power source if it is not to be used for a long time.

■ Sales and Support Information (For the United Kingdom and Republic of Ireland)

Customer Care Centre

- For UK customers: 08705 357357
- For Republic of Ireland customers: 01 289 8333
- Visit our website for product information
- E-mail: customer.care@panasonic.co.uk

Direct Sales at Panasonic UK

- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Care Centre Monday-Friday 9:00am-5:30pm. (Excluding public holidays)
- Or go on line through our Internet Accessory ordering application at www.panasonic.co.uk
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn't be simpler!
- Also available through our Internet is direct shopping for a wide range of finished products, take a browse on our website for further details.

*Interested in purchasing an extended guarantee?
Please call 0870 240 6284 or visit our website
www.panasonic.co.uk/guarantee.*

Caution for AC Mains Lead

(For United Kingdom)
 ("EB" area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as stated below.

If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral, Brown: Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL  OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

Remove the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

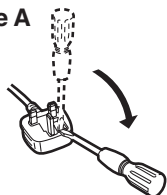
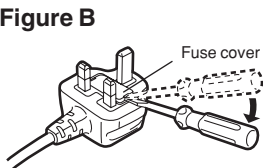


Figure B

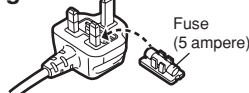


2. Replace the fuse and close or attach the fuse cover.

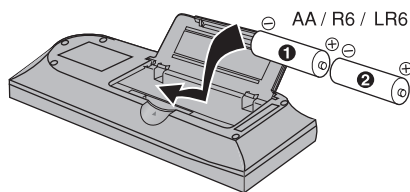
Figure A



Figure B



Inserting batteries into the remote control



Batteries

- Insert so the poles (+ and -) match those in the remote control.
- Remove if the remote control is not going to be used for a long period of time. Store in a cool, dark place.
- Do not use rechargeable type batteries.
- Do not heat or expose to flame.
- Mishandling of batteries in the remote control can cause electrolyte leakage, which may cause a fire.

Use

Aim at the remote control sensor, avoiding obstacles, at a maximum range of 7 m directly in front of the unit.

Refer to page 5 for remote control signal sensor position.

Placement of speakers



Speakers are designed identically so that no left or right channel orientation is necessary.

Use only the supplied speakers.

The combination of the main unit and speakers provide the best sound. Using other speakers can damage the unit and sound quality will be negatively affected.

Note

- Keep your speakers at least 10 mm 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.
- You cannot take the front net off the speakers.

Caution

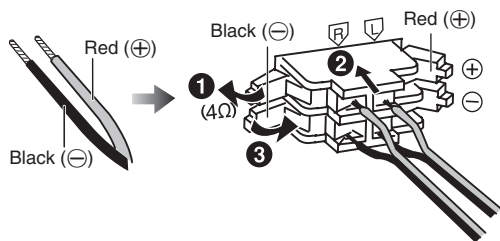
- Use the speakers only with the recommended system. Failure to do so can damage the amplifier and speakers, and can cause fire. Consult a qualified service person if damage occurs or if a sudden change in performance is apparent.
- Do not attach these speakers to walls or ceilings.

Getting started

Step 1 - Making the connections

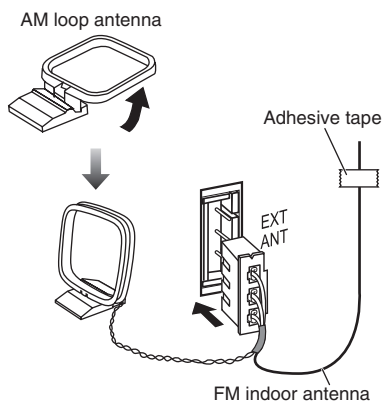
Connect the AC mains lead only after all other connections have been made.

1 Connect the speaker cables.



Incorrect connection can damage the unit.

2 Connect the antenna.



Stand the AM loop antenna up on its base. Keep the loose antenna cord away from other wires and cords.

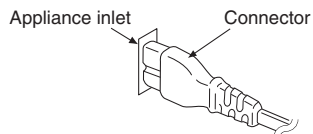
Tape the FM indoor antenna to a wall or column, in a position with least amount of interference.

3 Connect the AC mains lead.

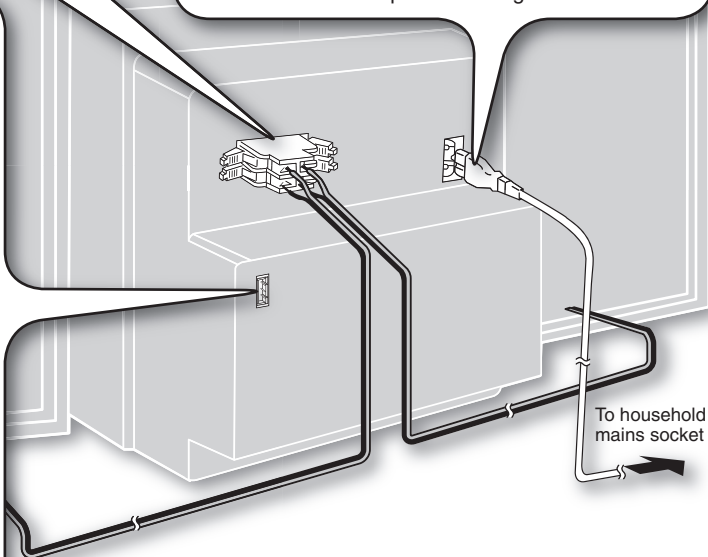
**FOR THE UNITED KINGDOM ONLY
READ THE CAUTION FOR THE AC MAINS
LEAD ON PAGE 3 BEFORE CONNECTION.**

The included AC mains lead is for use with this unit only. Do not use it with other equipment.

Insertion of connector



Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing. However there is no problem using the unit.



Step 2 - DEMO function



When the unit is first plugged in, a demonstration of its functions may be shown on the display.

If the demo setting is off, you can show a demonstration by selecting "DEMO ON".

Press and hold [■, -DEMO].

The display changes each time the button is held down.

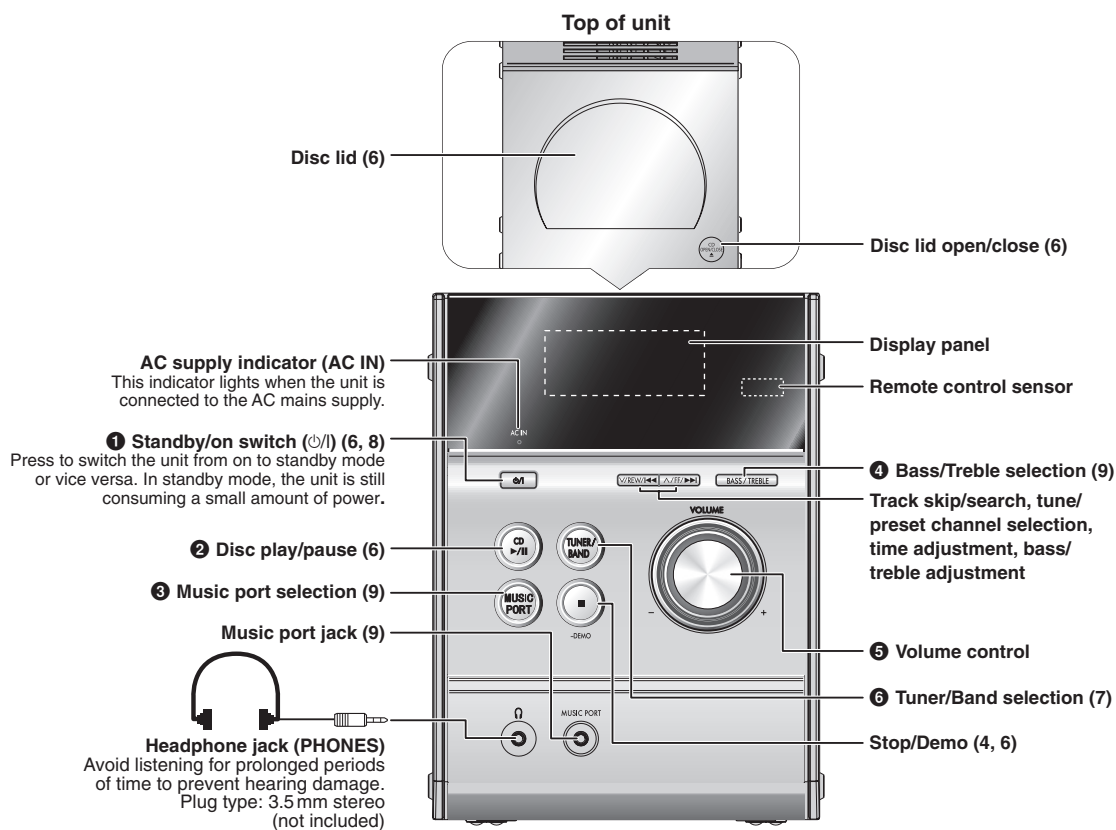
→ DEMO OFF → DEMO ON

While in standby mode, select "DEMO OFF" to reduce power consumption.

Overview of controls

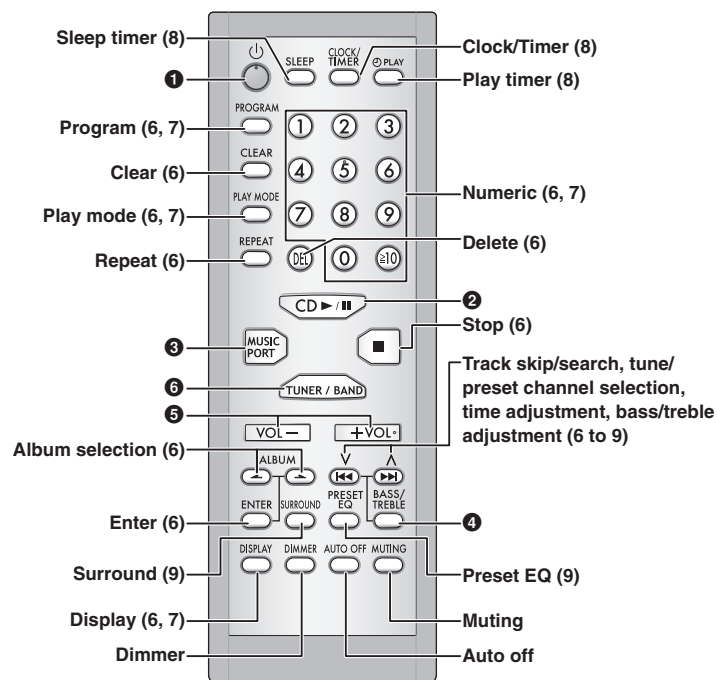
Main unit

Refer to the numbers in parentheses for page reference.



Remote control

Buttons such as 1 function the same as the controls on the main unit.



Discs



Basic play

CD MP3

- 1 Press [] to turn the unit on.
- 2 Press [CD OPEN/CLOSE ▲] to open the disc lid and then load the disc. Close the lid.
- 3 Press [CD ►/II] to start play.
- 4 Adjust the volume.

Label must face upward



To	Action
stop the disc 	Press [■].
pause play 	Press [CD ►/II]. Press again to resume play.
skip tracks 	Press [V/◀◀] or [▶▶/V].
search through tracks 	CD Press and hold [V/◀◀] or [▶▶/V] during play or pause.
skip album 	MP3 Press [ALBUM ◀ or ▶] in the play mode. Press [ALBUM ◀ or ▶] once and then the numeric buttons in the stop mode.



Play Mode function

CD MP3

- 1 Press [CD ►/II].
- 2 Press [PLAY MODE] to select the desired mode.

Mode	To play
1-TRACK 1TR	one selected track on the disc. Press the numeric buttons to select the track.
1-ALBUM 1ALBUM ALBUM 	MP3 one selected album on the disc. Press [ALBUM ◀ or ▶] to select the album.
RANDOM RND	a disc randomly.
1-ALBUM RANDOM 1ALBUM RND ALBUM 	MP3 all tracks in one selected album randomly. Press [ALBUM ◀ or ▶] to select the album.

Note

- During RANDOM or 1-ALBUM RANDOM play, you cannot skip to tracks that have been played.

CD

- During RANDOM play, you can search backward or forward only within the current track.



Display function

This function allows you to display the information of the current track.

Press [DISPLAY] repeatedly during play or pause mode.

CD

→ Elapsed play time → Remaining play time →

MP3

→ Elapsed time → Album name → Track name →

ID3 (Artist) ← ID3 (Track) ← ID3 (Album) ←

Note

- Maximum number of displayable characters: approximately 30
- This unit supports ver. 1.0 & 1.1 ID3 tags. Text data that is not supported will not be displayed.
- ID3 is a tag embedded in MP3 tracks to provide information about the track.

Advanced play

REPEAT



Repeat play

You can repeat program play or other selected play mode.

CD MP3

Press [REPEAT] before or during play.

"REPEAT ON" and "⏮" are displayed.

To cancel

Press [REPEAT] again.

"REPEAT OFF" is displayed and "⏮" is cleared.

PROGRAM



Program play

This function allows you to program up to 24 tracks.

CD

- 1 Press [CD ►/II] and then [■].
- 2 Press [PROGRAM].
- 3 Press the numeric buttons to select your desired track.
Repeat this step to program other tracks.
- 4 Press [CD ►/II] to start play.

MP3

- 1 Press [CD ►/II] and then [■].
- 2 Press [PROGRAM].
- 3 Press [ALBUM ◀ or ▶] to select your desired album.
- 4 Press [▶▶/V] once and then the numeric buttons to select your desired track.
- 5 Press [ENTER].
Repeat steps 3 to 5 to program other tracks.
- 6 Press [CD ►/II] to start play.

To	Action
cancel program mode	Press [PROGRAM] in the stop mode.
replay the program	Press [PROGRAM] then [CD ►/II].
check program contents	Press [V/◀◀] or [▶▶/V] when "PGM" is displayed in the stop mode. To check while programming, press [PROGRAM] twice after "PGM" appears, then press [V/◀◀] or [▶▶/V].
add to the program	CD Repeat step 3 in the stop mode. MP3 Repeat steps 3 to 5 in the stop mode.
clear the last track	Press [DEL] in the stop mode.
clear all programmed tracks	Press [CLEAR] in the stop mode. "CLR ALL" is displayed.

Note

- When you try to program more than 24 tracks, "PGM FULL" appears.
- The program memory is cleared when you open the disc lid.

CD

- During program play, you can search backward or forward only within the current track.

Note

- This unit can play MP3 files and CD-DA format audio CD-R/RWs that have been finalized.
- It may not be able to play some CD-R/RWs depending on the condition of the recording.
- Do not use irregularly shaped discs.
- Do not use discs with labels and stickers that are coming off or with adhesive exuding from under labels and stickers.
- Do not attach extra labels or stickers on the disc.
- Do not write anything on the disc.

CD

- This unit can access up to 99 tracks.
- Choose a CD with this mark:



Using DualDiscs

The "CD" sides of DualDiscs do not meet the CD-DA standard so it may not be possible to play them on this unit.

MP3

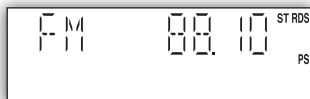
- Files are treated as tracks and folders are treated as albums.
- This unit can access up to 999 tracks, 255 albums and 20 sessions.
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).
- To play in a certain order, prefix the folder and file names with the 3-digit numbers in the order you want to play them.

Radio



Manual tuning

- 1 Press [TUNER/BAND] to select "FM" or "AM".
- 2 Press [PLAY MODE] to select "MANUAL".
- 3 Press [V/L◀◀] or [V/R▶▶] to select the frequency of the required station.



"ST" is displayed when a stereo FM broadcast is being received.

To tune automatically

Press [V/L◀◀] or [V/R▶▶] for a moment until the frequency starts changing rapidly. The unit begins auto tuning, stopping when it finds a station.

- Auto tuning may not function when there is excessive interference.
- To cancel auto tuning, press [V/L◀◀] or [V/R▶▶] once again.

PLAY MODE



To improve FM sound quality

Press and hold [PLAY MODE] to display "MONO".

To cancel

Press and hold [PLAY MODE] again until "MONO" disappears.

- MONO is also cancelled if the frequency is changed.
- Turn off "MONO" for normal listening.

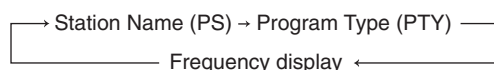
DISPLAY



RDS broadcasting

Enable you to display the name of a broadcasting station or a program type.

Press [DISPLAY] to display:



RDS displays may not be available if reception is poor.

Program type displays

NEWS	VARIED	FINANCE	COUNTRY
AFFAIRS	POP M	CHILDREN	NATIONAL
INFO	ROCK M	SOCIAL A	OLDIES
SPORT	M.O.R.M ※	RELIGION	FOLK M
EDUCATE	LIGHT M	PHONE IN	DOCUMENT
DRAMA	CLASSICS	TRAVEL	TEST
CULTURE	OTHER M	LEISURE	ALARM
SCIENCE	WEATHER	JAZZ	

※ M.O.R.M = "Middle of the road music"



Memory preset

Up to 20 stations can be set in the FM and 15 stations in the AM bands.

Preparation

Press [TUNER/BAND] to select "FM" or "AM".

PROGRAM



Automatic presetting

Press and hold [PROGRAM] to start presetting.

PROGRAM



Manual presetting

- 1 Press [PLAY MODE] to select "MANUAL".
- 2 Press [V/L◀◀] or [V/R▶▶] to tune to the required station.
- 3 Press [PROGRAM].
- 4 Press numeric buttons to select a channel.
The station occupying a channel is erased if another station is preset in that channel.
- 5 Repeat steps 2 to 4 to preset more stations.

PLAY MODE



Selecting a preset station

Press numeric buttons to select the channel.

For channels 10 to 20 press [≥10], then the two digits.

OR

- 1 Press [PLAY MODE] to select "PRESET".
- 2 Press [V/L◀◀] or [V/R▶▶] to select the channel.



AM allocation setting

By main unit only

This system can also receive AM broadcasts allocated in 10 kHz steps.

To change the step from 9 kHz to 10 kHz.

- 1 Press and hold [TUNER/BAND].
After a few seconds the display changes to a flashing display of the current minimum frequency.
- 2 Continue to hold down [TUNER/BAND].
 - When the minimum frequency changes, release the button. To return to the original step, repeat the above steps.
 - After the setting is changed, any previously preset frequency will be cleared.

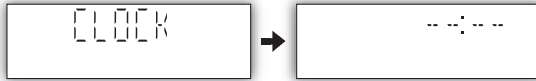
Timer



Setting the clock

This is a 24-hour clock.

- 1 Press [CLOCK/TIMER] to select "CLOCK".
Each time you press the button:



- 2 Within 5 seconds, press [V/◀◀] or [▶▶/V] to set the time.



- 3 Press [CLOCK/TIMER] again to confirm.



Displaying the clock

Press [CLOCK/TIMER] to display the clock for few seconds.

Note

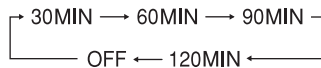
The clock may lose or gain minutes over a period of time. Readjust as necessary.



Using the sleep timer

This function enables you to turn off the unit automatically after the set time.

Press [SLEEP] repeatedly to select your desired time.



Sleep timer indicator

To cancel

Press [SLEEP] to select "OFF".

Changing the remaining time

Press [SLEEP] to show the remaining time, and press [SLEEP] again to select your desired time.

Note

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



Using the play timer

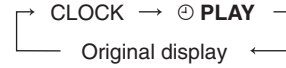
You can set the timer to come on at a certain time to wake you up.

Preparation

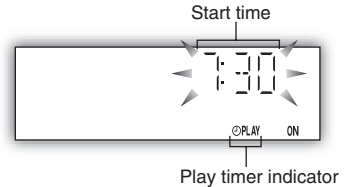
Turn the unit on and set the clock.

Prepare the music source you want to listen to; disc, radio or music port source, and set the volume.

- 1 Press [CLOCK/TIMER] repeatedly to select play timer.

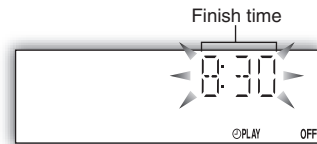


- 2 Within 5 seconds, press [V/◀◀] or [▶▶/V] to set the starting time.



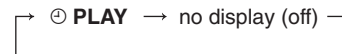
- 3 Press [CLOCK/TIMER] to confirm.

- 4 Repeat steps 2 and 3 to set the finishing time.



To activate the timer

- 5 Press [◻PLAY] to turn on the timer.



- 6 Press [◻] to turn off the unit.

The unit must be off for the timer to operate.

To	Action
change the settings	Repeat steps 1 to 4 and 6.
change the source or volume	1) Press [◻PLAY] to clear the timer indicator from the display. 2) Make changes to the source or volume. 3) Perform steps 5 and 6.
check the settings (when the unit is on or in standby mode)	Press [CLOCK/TIMER] repeatedly to select ◻PLAY.
cancel	Press [◻PLAY] to clear the timer indicator from the display.

Note

- The play timer will start at the preset time, with the volume increasing gradually to the preset level.
- The timer comes on at the set time every day if the timer is on.
- The unit must be in the standby mode for the timer to function.
- If you turn the unit off and on again while a timer is functioning, the finish time setting will not be activated.
- If MUSIC PORT is selected as the source when the timer comes on, the system turns on and engages MUSIC PORT as the source. If you wish to playback from the portable audio equipment, activate the equipment's play mode and increase the volume. (See the portable audio equipment's instruction manual.)

Sound adjustment

Selecting sound effects

You can change the sound effect by selecting Preset EQ or adjusting the bass or treble effect.



Preset EQ

Press [PRESET EQ] repeatedly to select your desired setting.

HEAVY → CLEAR → SOFT → VOCAL → EQ-OFF



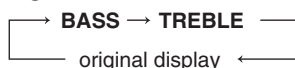
Setting	Effect
HEAVY	Adds punch to rock
CLEAR	Clarifies higher frequencies
SOFT	For background music
VOCAL	Adds gloss to vocal
EQ-OFF	No effect



Bass or treble

Enable you to enjoy the lower or higher pitch sound.

- 1 Press [BASS/TREBLE] repeatedly to select your desired setting.



Setting	Effect
BASS	For lower pitch sound
TREBLE	For higher pitch sound

- 2 Press [V/L◀◀] or [V/▶▶] to adjust the level.

Note

The tone level can be varied within -4 to +4.

SURROUND

Enjoying surround sound

Enable you to add natural width and depth to the stereo sound.

To activate

Press [SURROUND] to display “■■■■■” indicator.

To cancel

Press [SURROUND] again to clear “■■■■■” indicator.

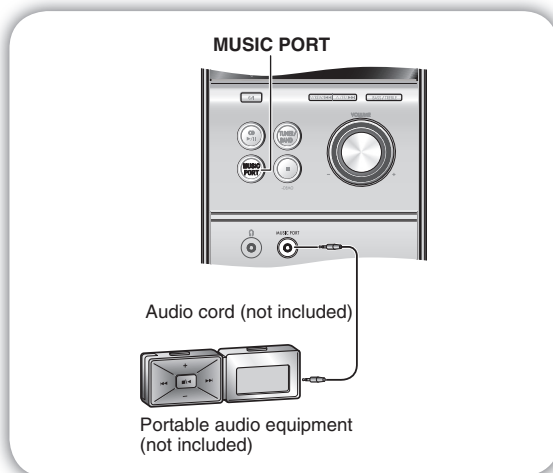
Note

- Surround-sound is less discernible when listening through headphones.
- If interference in FM stereo reception increases, cancel the surround-sound effect.

External unit

Connecting to a portable audio equipment

This feature enables you to enjoy music from portable audio equipment.



Playing from portable audio equipment

Switch off the equalizer function (if there is any) of the portable audio equipment before you plug into the MUSIC PORT jack. Otherwise, sound from the speaker may be distorted.

- 1 Plug the audio cord into the MUSIC PORT jack and press [MUSIC PORT].
- 2 Play the portable audio equipment. (See the portable audio equipment's instruction manual.)

Note

All peripheral components and cables are sold separately.

Changing the remote control code

Change the code if you find the remote control unintentionally also controls other equipments.



Change the main unit's code

Press and hold [MUSIC PORT] on the main unit and then press and hold [2] (or [1]) on the remote control. “REMOTE 2” is displayed.



Change the remote control's code

Press and hold [ENTER] and [2] (or [1]) on the remote control for at least 2 second.

If the remote control and main unit are using different codes, a message appears on the main unit's display showing the main unit's current code. Follow the above step to change the remote control's code to match it.

Troubleshooting guide

Before requesting service, make the below checks. If you can't fix the system as described below, or if something not listed here occurs, refer to the enclosed directory to locate an Authorized Service Center convenient to you or contact your dealer.

Common problems

No sound.	Turn the volume up. The speaker cords may not be connected properly. Turn the unit off, check and correct the connections and turn the unit on (➡ page 4).
Sounds unfixed, reversed or come from one speaker only.	Check the speaker connections (➡ page 4).
Humming heard during play.	An AC mains lead or fluorescent light is near the cables. Keep other appliances and leads away from this unit's cables. If possible in your area, turn the AC mains lead's plug or connector over to reverse the lead's polarity.
"ERROR" is displayed.	Incorrect operation performed. Read the instructions and try again.
"- :- -" appears on the display.	You plugged the AC mains lead in for the first time or there was a power failure recently. Set the time (➡ page 8).
"F76" is displayed.	Check and correct the speaker cord connections (➡ page 4). If this does not fix the problem, there is a power supply problem. Consult the dealer.

Listening to the radio

Noise is heard. The stereo indicator flickers or doesn't light. Sound is distorted.	The location and direction of the antenna are incorrect (➡ page 4).
A beat sound is heard.	Turn the TV off or separate it from the unit.
A low hum is heard during AM broadcast.	Separate the antenna from other cables and cords.
An AM broadcast station cannot be picked up clearly.	Frequency step is set to 10 kHz. Change the frequency step to 9 kHz (➡ page 7).

When there is a television set nearby

The picture on the TV disappears or stripes appear on the screen.	The location and direction of the antenna are incorrect (➡ page 4). The TV antenna wire is too close to the unit. Separate the antenna wire of the TV set from the unit.
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Playing discs

The display is wrong or play won't start.	The disc may be upside down (➡ page 6). Wipe the disc. Replace the disc if it is scratched, warped, or nonstandard. Condensation may have formed inside the unit due to a sudden change in temperature. Wait about an hour for it to clear and try again.
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The remote control

Remote control doesn't work.	Check that the batteries are inserted correctly (➡ page 3). Replace the batteries if they are worn.
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Maintenance

If the surfaces are dirty

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.

Specifications

AMPLIFIER SECTION

RMS OUTPUT POWER both channel
driven simultaneously
10 % Total harmonic distortion
10 W per channel (4 Ω)

Input impedance
MUSIC PORT 200 mV 8 kΩ
Output impedance
HEADPHONE 16 to 32 Ω
Phone jack
Terminal Stereo, 3.5 mm
Music Port input jack
Terminal Stereo, 3.5 mm

FM TUNER SECTION

Frequency range
87.50 to 108.00 MHz (50 kHz step)
Antenna terminal(s) 75 Ω (unbalanced)
Preset station FM 20 stations
AM 15 stations

AM TUNER SECTION

Frequency range
522 to 1629 kHz (9 kHz steps)
520 to 1630 kHz (10 kHz steps)

SPEAKER SECTION

Type 1 way, 1 speaker system
Speaker(s)
FULL RANGE 10 cm cone type (4 Ω)
Impedance 4 Ω
Input power (IEC) 10 W (MAX)
Output sound pressure 83 dB/W (1.0 m)
Frequency range 61 Hz to 17 kHz (-16 dB)
95 Hz to 15 kHz (-10 dB)
Dimensions (W x H x D)
139 mm x 227 mm x 136 mm
Mass 1.3 kg

CD SECTION

Disc played [8 cm or 12 cm]
(1) CD-Audio (CD-DA)
(2) CD-R/RW (CD-DA, MP3 formatted disc)
(3) MP3
Sampling frequency
CD 44.1 kHz
MP3 32 kHz, 44.1 kHz, 48 kHz
Bit rate
MP3 32 kbps to 384 kbps
Decoding 16/20/24 bit linear
Pickup
Wavelength 785 nm
Beam source Semiconductor laser
Laser power CLASS 1
(For Norge)
Bølgelengde 785 nm
Laserstyrke
Ingen farlig stråling sendes ut

Audio output (Disc)
Number of channels 2 channel
Frequency response 20 Hz to 20 kHz (+1, -2 dB)
Wow and flutter Below measurable limit
Digital filter 8 fs
D/A converter MASH (1 bit DAC)

GENERAL

Power supply
For United Kingdom AC 230 to 240 V, 50 Hz
For others AC 230 V, 50 Hz
Power consumption 38 W
Dimensions (W x H x D) 165 mm x 227 mm x 283 mm
Mass 2.2 kg
Operating temperature range +5 to +35°C
Operating humidity range 5 to 90% RH (no condensation)

Power consumption in standby mode 3.9 W (approx.)

Note

1. Specifications are subject to change without notice.
2. Mass and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

– If you see this symbol –

Information on Disposal for Users of Waste Electrical & Electronic Equipment (private households)



This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

For proper treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your local retailer upon the purchase of an equivalent new product.

Disposing of this product correctly will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union

This symbol is only valid in the European Union. If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

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.
- DO NOT OBSTRUCT THE UNIT'S VENTILATION OPENINGS WITH NEWSPAPERS, TABLECLOTHS, CURTAINS, AND SIMILAR ITEMS.
- DO NOT PLACE SOURCES OF NAKED FLAMES, SUCH AS LIGHTED CANDLES, ON THE UNIT.
- DISPOSE OF BATTERIES IN AN ENVIRONMENTALLY FRIENDLY MANNER.

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.
- USE ONLY THE RECOMMENDED ACCESSORIES.
- DO NOT REMOVE THE COVER (OR BACK); THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

VAROITUS!

LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

VAROITUS!

- ÄLÄ ASENNATA TAI LAITA TÄTÄ LAITETTA KABINETTITYYPPISEEN KIRJAKAAPPIIN TAI MUUHUN SULJETTUUN TILAAN, JOTTA TUULETUS ONNISTUISI. VARMISTA, ETTÄ VERHO TAI MIKÄÄN MUU MATERIAALI EI HUONONNA TUULETUSTA, JOTTA VÄLTETTÄISIIN YLIKUUMENEMISESTA JOHTUVA SÄHKÖISKU- TAI TULIPALOVAARA.
- ÄLÄ PEITÄ LAITTEEN TUULETUSAUKKOJA SANOMALEHDELLÄ, PÖYTÄLIINALLA, VERHOLLA TAI MUULLA VASTAAVALLA ESINEELLÄ.
- ÄLÄ ASETA PALAVAA KYNTTILÄÄ TAI MUUTA AVOTULEN LÄHDETTÄ LAITTEEN PÄÄLLE.
- HÄVITÄ PARISTOT LUONTOA VAHINGOITTAMATTOMALLA TAVALLA.

VAROITUS:

VÄHENNÄ TULIPALON, SÄHKÖISKUN TAI LAITTEISTON VAHINGOITTUMISEN VAARAA

- TÄTÄ LAITETTA EI SAA ALTISTAA SATEELLE, KOSTEUDELLE, ROISKEILLE TAI TIPPUVILLE NESTEILLE. LAITTEEN PÄÄLLE EI SAA MYÖSKÄÄN ASETTAA MITÄÄN NESTEELLÄ TÄYTETTYÄ ESINETTÄ, KUTEN MALJAKKOA.
- KÄYTÄ VAIN SUOSITELTUJA LISÄVARUSTEITA.
- ÄLÄ IRROTA KANTTA (TAI TAUSTAA). SISÄLLÄ EI OLE KÄYTTÄJÄN HUOLLETTAVISSA OLEVIA OSIA. HUOLLON SAA SUORITTA AIN AMMATTITAITOINEN HENKILÖKUNTA.

TÄMÄ LAITE ON TARKOITETTU KÄYTETTÄVÄKSI LEUDOSSA ILMASTOSSA.

Pistorasia tulee asentaa laitteen lähelle helpopääsyiseen paikkaan.
Verkkojohdon pistokkeen on oltava aina helposti käytettävissä.
Tämä laite voidaan kytkeä kokonaan irti verkkovirrasta irrottamalla verkkojohdon pistoke pistorasiasta.

ADVARSEL!

DETTE PRODUKTET ANVENDER EN LASER. BETJENING AV KONTROLLER, JUSTERINGER ELLER ANDRE INNGREP ENN DE SOM ER BESKREVET I DENNE BRUKSANVISNING, KAN FØRE TIL FARLIG BESTRÅLING. DEKSLER MÅ IKKE ÅPNES, OG FORSØK ALDRI Å REPARERE APPARATET PÅ EGENHÅND. ALT SERVICE OG REPARASJONSARBEID MÅ UTFØRES AV KVALIFISERT PERSONELL.

ADVARSEL!

- APPARATET MÅ IKKE PLASSERES I EN BOKHYLLE, ET INNEBYGGET KABINETT ELLER ET ANNET LUKKET STED HVOR VENTILASJONSFORHOLDENE ER UTILSTREKKELIGE. SØRG FOR AT GARDINER ELLER LIGNENDE IKKE FORVERRER VENTILASJONSFORHOLDENE, SÅ RISIKO FOR ELEKTRISK SJOKK ELLER BRANN FORÅRSAKET AV OVERHETING UNNGÅS.
- APPARATETS VENTILASJONSÅPNINGER MÅ IKKE DEKKES TIL MED AVISER, BORDDUKER, GARDINER OG LIGNENDE.
- PLASSER IKKE ÅPEN ILD, SLIK SOM LEVENDE LYS, OPPÅ APPARATET.
- BRUKTE BATTERIER MÅ KASSERES UTEN FARE FOR MILJØET.

ADVARSEL:

FØLG NEDENSTÅENDE INSTRUKSER FOR Å REDUSERE RISIKOEN FOR BRANN, ELEKTRISK STØT OG SKADE PÅ PRODUKTET:

- DETTE APPARATET MÅ IKKE UTSETTES FOR REGN, FUKTIGHET, DRYPP ELLER SPRUT, OG INGEN VÆSKEFYLTE GJENSTANDER, SOM FEKS. VASER, MÅ PLASSERES PÅ APPARATET.
- BRUK KUN ANBEFALT TILBEHØR.
- IKKE FJERN DEKSELET (ELLER BAKSIDEN); APPARATET INNEHOLDER INGEN DELER SOM KAN SKIFTES ELLER REPARERES AV BRUKEREN. OVERLAT TIL KVALIFISERTE SERVICETEKNIKERE Å UTFØRE SERVICE.

DETTE APPARATET ER BEREGNET TIL BRUK UNDER MODERATE KLIMAFORHOLD.

Strømuttaket må befinne seg i nærheten av utstyret og være lett tilgjengelig.
Støpslet på strømkabelen må være klart til bruk.
Når dette apparatet skal kobles helt fra strømmettet (AC), må støpslet på strømkabelen trekkes ut av stikkontakten.