

Panasonic®

Operating Instructions CD Stereo System



SC-PM38

Model No. **SC-PM38**
SC-PM42

SUPPLIED ACCESSORIES

Dear customer

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

These operating instructions are applicable to the following system.

System	SC-PM38	SC-PM42
Main unit	SA-PM38	SA-PM42
Speakers	SB-PM48	SB-PM48

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.



Please check and identify the supplied accessories.

☐ 1 x Remote control (N2QAYB000429)

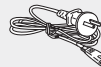


☐ 2 x Remote control batteries



☐ 1 x AC mains lead

For Australia and N.Z.



**For Continental Europe,
Middle East and Southeast Asia**



☐ 1 x AM loop antenna



☐ 1 x FM indoor antenna



or



EP

GN

GA

RQTX0191-2B

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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.
- To avoid damage to the speakers, do not touch the speaker cones if you have taken the nets off.
- You can damage your speakers and shorten their useful life if you play sound at high levels over extended periods.
- Reduce the volume in the following cases to avoid damage.
 - When playing distorted sound.
 - When adjusting the sound quality.
 - When turning the unit on or off.

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.

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.

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.

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.

For Southeast Asia

THIS UNIT IS INTENDED FOR USE IN TROPICAL CLIMATES.

For Continental Europe, Middle East, Australia and N.Z.

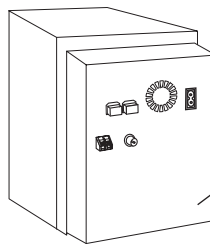
THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.

TÄMÄ LAITE ON TARKOITETTU KÄYTETTÄVÄKSI LEUDOSSA ILMASTOSSA.

DETTE APPARATET ER BEREGNET TIL BRUK UNDER MODERATE KLIMA FORHOLD.

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.



**CLASS 1
LASER PRODUCT**

LUOKAN 1 LASERLAITE KLASS 1 LASER APPARAT

CAUTION	— CLASS 1M INVISIBLE LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. EC03825-1 +A2 Class 1M
VARNING	— KLASS 1M OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN DIREKT GENOM OPTISKT INSTRUMENT.
FORSIGTIG	— USYNLIG LASERSTRÅLNING KLASSE 1M, NÄR LÅGET ER ÅBENT. UNDGÅ AT SE UDEN OPTISKE INSTRUMENTER.
VARO!	— ANATTAESSA OLET ALTIRNÄ LUOKAN 1M NÄKYNÄNTÄ LASERSÄTELYÄ. ÄLÄ KATSO OPTISELLÄ LAITTEELLA SUORAAN SÄTEESSEÄ.
VORSICHT	— UNSICHTBARE LASERSTRALHUNG KLASSE 1M, WENN ABECKUNG GEÖFFNET. NICHT DIREKT MIT OPTISCHEN INSTRUMENTEN BETRACHTEN.
ATTENTION	— RAYONNEMENT LASER INVISIBLE, CLASSE 1M, EN CAS D'OUVERTURE. NE PAS REGARDER DIRECTEMENT À L'AIDE D'INSTRUMENTS D'OPTIQUE.
注意	— ここを開くと不可視レーザー光が出ます。 ビームを見たり、触れたりしないでください。
注意	— 打开时有不可见激光辐射。避免光束照射。 GB7241.1-2001B8 类 RQJX3001

Inside of product
Tuotteen sisällä
Produktets innsida

Information for Users on Collection and Disposal of Old Equipment and used Batteries



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you 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.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

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]

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.



Cd

Note for the battery symbol (bottom two symbol examples):

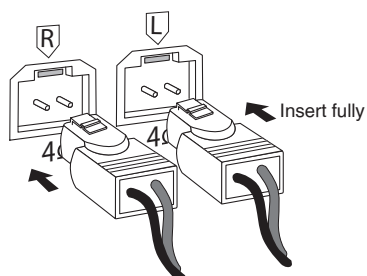
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

Simple setup

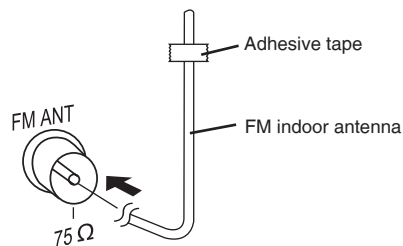
Making the connections

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

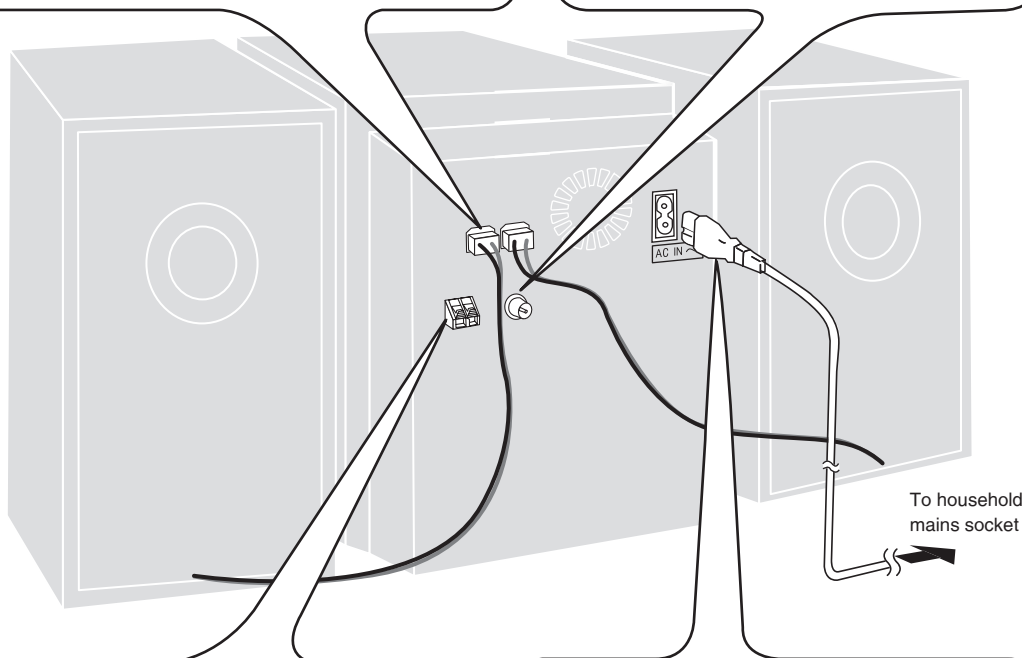
Connect the speaker cables.



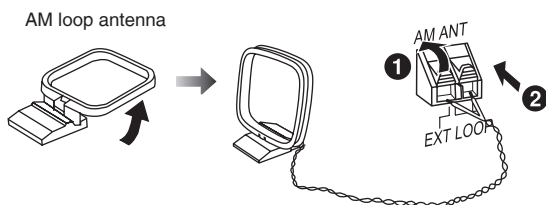
Connect the FM indoor antenna.



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



Connect the AM loop antenna.

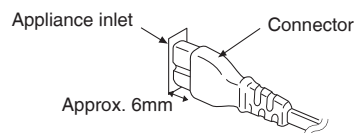


Stand the antenna up on its base. Keep the loose antenna cord away from other wires and cords.

Connect the AC mains lead.

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

Insertion of connector

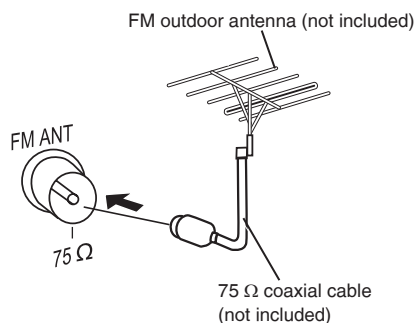


Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing. However there is no problem using the unit.

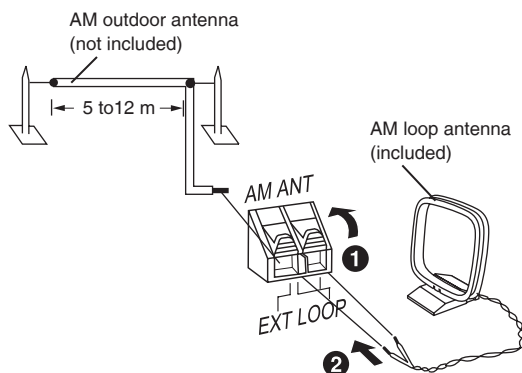
Simple setup (continued)

Optional antenna connections

FM outdoor antenna



AM outdoor antenna



- Never use an outdoor antenna during a lightning storm.
- You can connect the FM outdoor antenna for better reception. Please consult your dealer for installation.
- Disconnect the FM indoor antenna if an FM outdoor antenna is installed.
- Connect the AM outdoor antenna without removing the AM loop antenna. Run 5 to 12 m of vinyl-covered wire horizontally along a window or other convenient location.

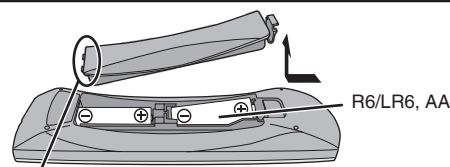
Preparing the remote control

Batteries

- Use a manganese dry battery or an alkali dry battery.
- 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 heat or expose to flame.
- Do not leave the batteries in an automobile exposed to direct sunlight for a long period of time with doors and windows closed.
- 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 6 for remote control signal sensor position.



Place this side in before the other side

Do not:

- mix old and new batteries;
- use different types of batteries at the same time;
- take apart or short-circuit;
- attempt to recharge alkaline or manganese batteries;
- use batteries if their covering has been peeled off.

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

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.

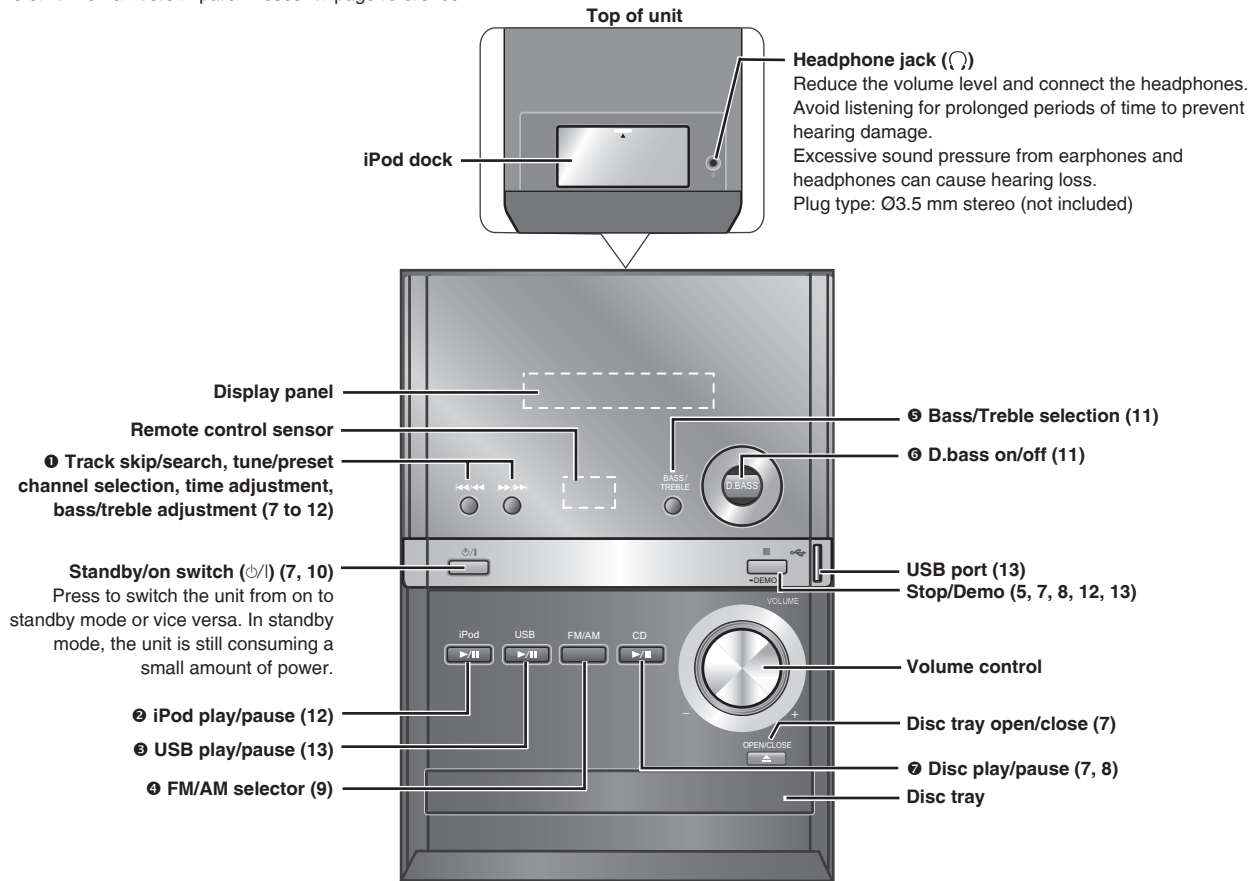


While in standby mode, select "DEMO OFF" to reduce power consumption.

Overview of controls

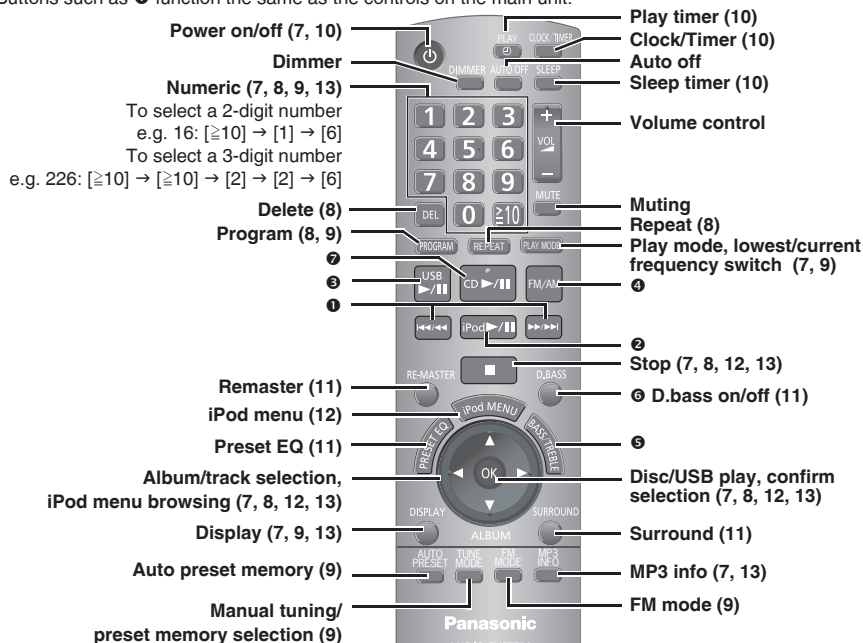
Main unit

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.



This function allows you to turn off the unit in **disc** or **USB** mode only after the unit is left unused for 10 minutes. The setting is maintained even if the unit is turned off.

AUTO OFF

DIMMER Dims the display panel.

MUTE Mutes the sound.

- Press the button to activate.
- Press again to cancel.

Discs

Basic play

OPEN/CLOSE



CD MP3

- 1 Press [⏻] to turn the unit on.
- 2 Press [▲, OPEN/CLOSE] to open the disc tray and then load the disc. Press [▲, OPEN/CLOSE] again to close the tray.

Label must
face upward

Disc tray



- 3 Press [CD ▶/||] or [OK] to start play.
- 4 Adjust the volume.

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

Play Mode function



(PLAY MODE)

- 1 Press [CD ▶/||].
- 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 MP3	one selected album on the disc. Press [▲, ▼] to select the album.
RANDOM RND	a disc randomly.
1-ALBUM RANDOM 1ALBUM RND MP3	all tracks in one selected album randomly. Press [▲, ▼] to select the album.

Note

- During RANDOM or 1-ALBUM RANDOM play, you cannot skip to tracks that have been played.
- The current play mode is cleared when you open the disc tray.

CD

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

Display function

DISPLAY

MP3
INFO

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 play time → Folder name → Track name →

Press [MP3 INFO] repeatedly during play or pause mode.

MP3

→ ID3 (Album) → ID3 (Track) → ID3 (Artist) →
→ Elapsed play time →

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.

Discs (continued)

Advanced play

Repeat play

REPEAT

You can repeat program play or other selected play mode.

CD MP3

Press [REPEAT] before or during play.

"ON REPEAT" and "CD" are displayed.

To cancel

Press [REPEAT] again.

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

Program play

PROGRAM

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 [▲, ▼] to select your desired album.
- 4 Press [◀◀/▶▶] or [▶▶/▶▶] once and then the numeric buttons to select your desired track.
- 5 Press [OK].
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 [◀◀/▶▶] or [▶▶/▶▶] when "PGM" is displayed in the stop mode. To check while programming, press [PROGRAM] twice after "PGM" appears, then press [◀◀/▶▶] or [▶▶/▶▶].
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 [■] in the stop mode. "CLR ALL" is displayed. Within 5 seconds, press the button again to clear all tracks.

Note

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

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/RW that have been finalized.

CD

- This unit can access up to 99 tracks.
- It may not be able to play some CD-R/RW 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.

Using DualDisc

The "CD" sides of DualDisc 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.

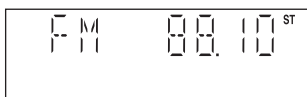
- This unit can access up to 999 tracks, 255 albums and 20 sessions.
- Files must have the extension: ".MP3" or ".mp3"
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).
- To play in a certain order, prefix the folder and file names with the 3-digit numbers in the order you want to play them.

Using the FM/AM radio

Manual tuning



- 1 Press [FM/AM] to select "FM" or "AM".
- 2 Press [TUNE MODE] to select "MANUAL".
- 3 Press [◀◀/▶▶] or [▶▶/▶▶] to select the frequency of the required station.



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

To tune automatically

Press [◀◀/▶▶] or [▶▶/▶▶] 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 [◀◀/▶▶] or [▶▶/▶▶] once again.

To improve FM sound quality



Press [FM MODE] to display "MONO".

To cancel

Press [FM MODE] again until "MONO" disappears.

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

For Continental Europe

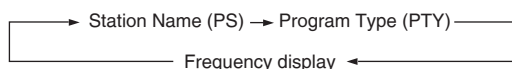
RDS broadcasting

DISPLAY



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 30 stations can be set in the FM band and 15 stations in the AM band.

Preparation

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

Automatic presetting



- 1 Press [PLAY MODE] to switch between "LOWEST" or "CURRENT" frequency.
- 2 Press [AUTO PRESET] to start presetting.

Manual presetting



- 1 Press [TUNE MODE] to select "MANUAL".
- 2 Press [◀◀/▶▶] or [▶▶/▶▶] 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.

Selecting a preset station



Press numeric buttons to select the channel.

OR

- 1 Press [TUNE MODE] to select "PRESET".
- 2 Press [◀◀/▶▶] or [▶▶/▶▶] to select the channel.

For Southeast Asia, Australia and N.Z

AM allocation setting

FM/AM



By main unit only

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

To change the step to 10 kHz

- 1 Press and hold [FM/AM].
After a few seconds the display changes to a flashing display of the current minimum frequency.
- 2 Continue to hold down [FM/AM].
 - 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.

Using the timer

Setting the clock

CLOCK/TIMER

This is a 24-hour clock.

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



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



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

Displaying the clock

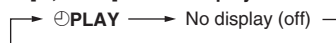
Press [CLOCK/TIMER] to display the clock for a few seconds.

Note

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

To activate the timer

- 5 Press [⏻, PLAY] to turn on play timer.



- 6 Press [⏻] to turn off the unit.

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 indicators 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.

Using the play timer

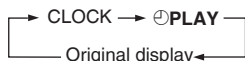
PLAY

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

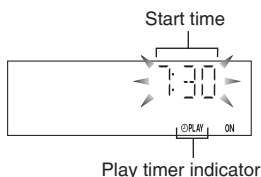
Preparation

- Turn the unit on and set the clock.
- Prepare the music source (disc, radio, USB or iPod source) and set the volume.

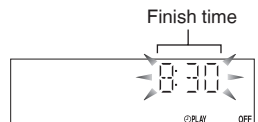
- 1 Press [CLOCK/TIMER] repeatedly to select play timer.



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



- 3 Press [CLOCK/TIMER] to confirm.
- 4 Repeat steps 2 and 3 to set the finishing time.

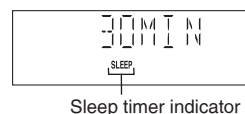
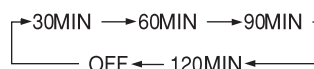


Using the sleep timer

SLEEP

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

Press [SLEEP] repeatedly to select your desired time.



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 sound effects

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 → FLAT

Setting	Effect
HEAVY	Adds punch to rock
CLEAR	Clarifies higher frequencies
SOFT	For background music
VOCAL	Adds gloss to vocals
FLAT	No effect

Bass or treble



Enables you to enjoy the lower or higher pitch sound.

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

BASS → TREBLE
Original Display

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

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

Note

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

Enjoying surround sound



Enables 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.

Enhancing the bass



Enables you to enjoy the powerful bass effect.

Press [D.BASS] to turn the D.BASS function on/off.

Note

The actual effect depends on the music source.

Re-master—Enjoying more natural sound



MP3

Digital remaster is effective on CD (MP3) and USB

Analogue remaster is effective on iPod

This feature reproduces the frequencies lost during recording to give you a sound closer to the original.

Press [RE-MASTER] during play to select “ON RE-MASTER”.

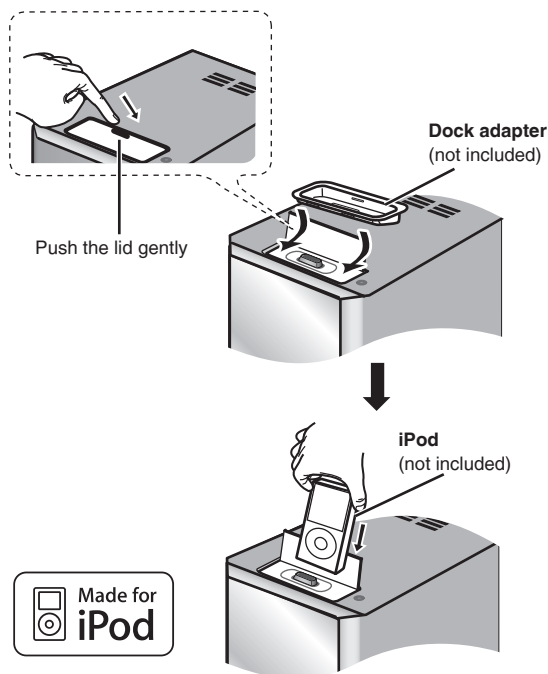
- Each time you press the button:

ON RE-MASTER ↔ OFF RE-MASTER

Using other equipment

iPod

- 1 Open the lid of the Built-in Dock for iPod.
- 2 Insert the suitable dock adapter for your iPod.
- 3 Insert your iPod into the dock.
 - Reduce the volume of the main unit to minimum before connecting/disconnecting the iPod.
 - Hold the main unit when connecting/disconnecting the iPod.
 - Recharging starts when the iPod is inserted.



Note

It is recommended to use the dock adapter from Apple.

Playing the iPod



Preparation

Confirm the iPod connection. (➡ above)

- ① Press [iPod ▶/||] to play the iPod.
- ② Adjust the volume of the main unit.

	Remote control	Main unit
To display iPod menu (During play/pause)	Press [iPod MENU].	—
To select contents from iPod menu (During play/pause)	Press [▲, ▼] followed by [OK].	—
To pause track	Press [iPod ▶/] or [■].	Press [iPod ▶/] or [■].
To skip a track (During play/pause)	Press [◀◀/▶▶] or [▶▶/▶▶].	Press [◀◀/▶▶] or [▶▶/▶▶].
To search the current track (During play/pause)	Press and hold [◀◀/▶▶] or [▶▶/▶▶].	Press and hold [◀◀/▶▶] or [▶▶/▶▶].

Note

When you select another source or turn the main unit off, the iPod turns off.

Charging the iPod

- iPod will start recharging regardless of whether this unit is in On or Standby condition.
- "IPOD *" will be shown on the main unit's display during iPod charging in main unit standby mode.
- Check iPod to see if the battery is fully recharged.
- If you are not using iPod for an extended period of time after recharging has completed, disconnect it from main unit, as the battery will be depleted naturally. (Once fully recharged, additional recharging will not occur.)
- iPod will not charge when the main unit is in USB mode.

Compatible iPod

Name	Memory size
iPod touch 2nd generation	8 GB, 16 GB, 32 GB
iPod nano 4th generation (video)	8 GB, 16 GB
iPod classic	120 GB
iPod touch 1st generation	8 GB, 16 GB, 32 GB
iPod nano 3rd generation (video)	4 GB, 8 GB
iPod classic	80 GB, 160 GB
iPod nano 2nd generation (aluminum)	2 GB, 4 GB, 8 GB
iPod 5th generation (video)	60 GB, 80 GB
iPod 5th generation (video)	30 GB
iPod nano 1st generation	1 GB, 2 GB, 4 GB
iPod 4th generation (colour display)	40 GB, 60 GB
iPod 4th generation (colour display)	20 GB, 30 GB
iPod 4th generation	40 GB
iPod 4th generation	20 GB
iPod mini	4 GB, 6 GB

- Compatibility depends on the software version of your iPod.

iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

Using other equipment (continued)

USB mass storage class device



The USB connectivity enables you to connect and play MP3 tracks from USB mass storage class. Typically, USB memory devices. (Bulk only transfer)

Preparation

Before connecting any USB mass storage device to the unit, ensure that the data stored therein has been backed up. It is not recommended to use a USB extension cable. The device connected via the cable will not be recognised by this unit.



USB enabled device
(not included)

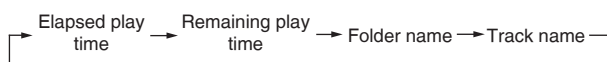
- 1 Reduce the volume and connect the USB mass storage device.
- 2 Press [USB ►/II] or [OK] to start play.

To	Action
pause play	Press [USB ►/II]. Press again to resume play.
stop play	Press [■]. "RESUME" is displayed. The position is memorized. Press [USB ►/II] to resume. Press [■] again to clear the position.
skip track	Press [◀▶].
skip album	Press [▲▼] in the play mode. Press [▲▼] once and then the numeric buttons in the stop mode.

Display function

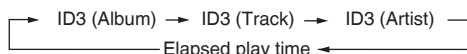


Press [DISPLAY] repeatedly during play or pause mode.



Press [MP3 INFO] repeatedly during play or pause mode.

MP3



For other operating functions, they are similar as those described in "Discs" (→ page 7 and 8).

Compatible devices

Devices which are defined as USB mass storage class:

- USB devices that support bulk only transfer.
- USB devices that support USB 2.0 full speed.

Supported format

Files must have the extension ".mp3" or ".MP3".

Note

- CBI (Control/Bulk/Interrupt) is not supported.
- A device using NTFS file system is not supported [Only FAT12/16/32 (File Allocation Table 12/16/32) file system is supported].
- Depending on the sector size, some files may not work.
- This unit can access up to 255 albums (including blank folders) and 2500 tracks.
- The maximum number of tracks in a folder are 999 tracks.
- Only one memory card will be selected when connecting a multiport USB card reader. Typically the first memory card inserted.
- Do not unplug the USB device during reading or playback.
- Disconnect the USB card reader from the unit when you remove the memory card. Failure to do so may cause malfunction to the device.
- When you connect a compatible digital audio player to the USB port, charging may be activated. It will not charge when the unit is switched to standby mode or iPod mode.

Changing the remote control code

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

Change the main unit's code

Preparation

Ensure disc tray is empty.

Press and hold [CD ►/II] on the main unit and then press and hold [2] (or [1]) on the remote control.

"REMOTE 2" (or "REMOTE 1") is displayed.

Change the remote control's code

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

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 following 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, consult your dealer for instructions.

Common problems

No sound.	<ul style="list-style-type: none"> • 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).
Problem sounds unfixed, reversed or come from one speaker only.	<ul style="list-style-type: none"> • Check the speaker connections (⇒ page 4).
Humming heard during play.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Incorrect operation performed. Read the instructions and try again.
"-:-" appears on the display.	<ul style="list-style-type: none"> • You plugged the AC mains lead in for the first time or there was a power failure recently. • Set the time (⇒ page 10).
"F76" is displayed.	<ul style="list-style-type: none"> • 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. • Disconnect the USB device. Turn the unit off and then back on.

Listening to the radio

Noise is heard. The stereo indicator flickers or doesn't light. Sound is distorted.	<ul style="list-style-type: none"> • Use an outdoor antenna (⇒ page 5).
A beat sound is heard.	<ul style="list-style-type: none"> • Turn the TV off or separate it from the unit.
A low hum is heard during AM broadcast.	<ul style="list-style-type: none"> • Separate the antenna from other cables and cords.

When there is a television set nearby

The picture on the TV disappears or stripes appear on the screen.	<ul style="list-style-type: none"> • The location and direction of the antenna are incorrect. If you are using an indoor antenna, change to an outdoor antenna (⇒ page 5). • 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.	<ul style="list-style-type: none"> • The disc may be upside down (⇒ page 7). • Wipe the disc. • Replace the disc if it is scratched, warped, or non-standard. • 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.	<ul style="list-style-type: none"> • Check that the batteries are inserted correctly (⇒ page 5). • Replace the batteries if they are worn.
-------------------------------------	--

iPod

iPod does not turn on.	<ul style="list-style-type: none"> • Verify that the iPod battery is not depleted before connecting it to the unit. • Before inserting your iPod into the dock, turn off both the unit and iPod. Power on the unit and select the appropriate source.
No sound is coming from the speakers.	<ul style="list-style-type: none"> • The iPod is not correctly inserted into the dock. Turn off the iPod, remove it from the dock connector. Reinsert it and turn it on again. • Make sure that iPod is actually playing something. • Adjust the volume.
Music is distorted or the sound level is too low.	<ul style="list-style-type: none"> • Make sure the equalizer function of your iPod is turned off.
Cannot control the iPod from the CD Stereo System.	<ul style="list-style-type: none"> • Make sure the iPod is inserted properly into the dock. • Check the dock connection and make sure that iPod is selected as the source of music. (⇒ page 12)
iPod does not charge.	<ul style="list-style-type: none"> • Check all connections. (⇒ page 12)

Troubleshooting guide (continued)

USB

The USB drive or its contents cannot be read.	<ul style="list-style-type: none"> The USB drive format or its contents is/are not compatible with the system (⇒ page 13). The USB host function of this product may not work with some USB devices. USB devices with storage capacity of more than 8 gigabytes may not work in some instances.
Slow operation of the USB flash drive.	<ul style="list-style-type: none"> Large file size or high memory USB flash drive takes longer time to read.
"NO PLAY"	<ul style="list-style-type: none"> Check the content. Only MP3 format files can be played.

Specifications

■ AMPLIFIER SECTION

RMS Output Power Stereo Mode
Front Ch (both channel driven)
 20 W per channel (4 Ω), 1 kHz, 10% THD
PMPO Output Power **For Southeast Asia**
 450 W

Phone jack
Terminal Stereo, 3.5 mm

■ TUNER SECTION

Preset station FM 30 stations
 AM 15 stations

Frequency Modulation (FM)
Frequency range 87.50 MHz to 108.00 MHz (50 kHz step)
Antenna terminals 75 Ω (unbalanced)

Amplitude Modulation (AM)
Frequency range
For Continental Europe and Middle East
 522 kHz to 1629 kHz (9 kHz step)
For Southeast Asia, Australia and N.Z.
 522 kHz to 1629 kHz (9 kHz step)
 520 kHz to 1630 kHz (10 kHz step)

■ CD SECTION

Disc played [8 cm or 12 cm]
 (1) CD-Audio (CD-DA)
 (2) CD-R/RW (CD-DA, MP3)
 (3) MP3
Pickup
Wavelength 785 nm
Laser power CLASS I (CD)
Audio output (Disc)
Number of channels FL, FR, 2 channel

■ USB SECTION

Supported audio file format MP3 (*.mp3)
Maximum port power 500 mA

■ SPEAKER SECTION

Type 2 way, 2 speaker system (Bass reflex)
Speaker(s)
Woofer 10 cm Cone type
Tweeter 6 cm Cone type
Impedance 4 Ω
Input power (IEC) 20 W (MAX)
Output sound pressure 80.5 dB/W (1.0 m)
Frequency range 52 Hz to 31 kHz (-16 dB)
 74 Hz to 27 kHz (-10 dB)
Dimensions (W x H x D)
 145 mm x 226 mm x 197 mm
Mass 1.9 kg

■ GENERAL

Power supply
For Continental Europe, Middle East, Australia and N.Z.
 AC 220 to 240 V, 50 Hz
For Southeast Asia AC 220 to 240 V, 50/60 Hz
Power consumption 73 W
Dimensions (W x H x D)
 153 mm x 226 mm x 292 mm
Mass 2.5 kg
Operating temperature range 0°C to +40°C
Operating humidity range 35 % to 80 % RH (no condensation)

Power consumption in standby mode
0.6 W (approx.)

Note

- Specifications are subject to change without notice.
- Total harmonic distortion is measured by the digital spectrum analyzer.

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.

SUOMI

VAROITUS!

LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAÄ 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, PÖYTÄLINALLA, 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 SUORITTAÄ VAIN AMMATTITAITOINEN HENKILÖKUNTA.

TÄMÄ LAITE ON TARKOITETTU KÄYTETTÄVÄKSI LEUDOSSA ILMASTOSSA.

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

NORSK

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 F.EKS. 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 stikkkontakten.

EU



En

Panasonic Corporation
Web Site: <http://panasonic.net>

Pursuant to at the directive 2004/108/EC, article 9(2)

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