

Panasonic®

Operating Instructions
Instrucciones de funcionamiento
Instrukcja obsługi
Návod k obsluze



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

Antes de conectar, operar o ajustar este producto, sírvase leer estas instrucciones completamente. Guarde este manual para su consulta en el futuro.

Przed podłączeniem, obsługą lub regulacją sprzętu prosimy o dokładne zapoznanie się z treścią niniejszej instrukcji. Prosimy o zachowanie niniejszej instrukcji obsługi.

Niniejsza instrukcja została opracowana na podstawie oryginalnej publikacji firmy MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Dříve než začnete jakékoli zapojování, provoz nebo nastavování tohoto výrobku, prostudujte si prosím celý tento návod. Uchovejte si prosím tento návod k obsluze.

CD Stereo System Sistema estéreo con reproductor de discos compactos Zestaw stereo z CD Stereosystem s CD

Model No. **SC-PMX2**

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.

Las operaciones de estas instrucciones se describen principalmente usando el mando a distancia, pero puede realizar las mismas operaciones en el aparato principal.

Es posible que su unidad no se parezca exactamente a la que se muestra.

W niniejszej instrukcji opisano przede wszystkim sposoby wykonywania operacji przy użyciu pilota, można je jednak wykonywać także na urządzeniu głównym, jeśli są na nim dostępne identyczne elementy sterujące.

Urządzenie może się nieznacznie różnić od przedstawionego na ilustracji.

Operace v těchto instrukcích jsou popsány většinou pro použití dálkového ovládání, ale můžete je vykonat i na hlavní jednotce, pokud jsou ovládací prvky totožné.

Vzhled výrobku nemusí přesně odpovídat uvedeným obrázkům.

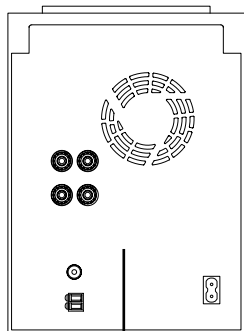
COMPACT
disc
DIGITAL AUDIO

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-PMX2
Main unit	SA-PMX2
Speakers	SB-PMX2



Back of product



LUOKAN 1 LASERLAITE KLASS 1 LASER APPARAT

CAUTION	CLASS 1M: INVISIBLE LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1+A2/ Class 1M
WARNING	KLASS 1M OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN DIREKT GENOM OPTISKT INSTRUMENT.
FÖRSIGTIG	OSYNLIG LASERSTRÅLNING KLASS 1M. NÄR LÅGET ER ÅBENT. UNDGA AT SE LIGE PÅ MED OPTISKE INSTRUMENTER.
VARO	AVATTAESSA OLET ALTTIIN LUOKAN 1M NÄKYMÄTÖNTÄ LASERSÄTELYÄ. ÄLÄ KATSO OPTISELLA LAITTEELLA SUORAAN. SÄTEESSEEN.
ATTENTION	RAYONNEMENT LASER INVISIBLE, CLASSE 1M. EN CAS D'OUVERTURE. NE PAS REGARDER DIRECTEMENT À L'AIDE D'INSTRUMENTS D'OPTIQUE.
VORSICHT	UNSICHTBARE LASERSTRAHLUNG KLASSE 1M. WENN ABDECKUNG GEÖFFNET. NICHT DIREKT MIT OPTISCHEN INSTRUMENTEN BETRACHTEN. RQLV50035

Inside of product
Tuotteen sisällä
Produktets innsida

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.

THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.

Table of contents

Supplied accessories.....	3
Safety precautions	3
Placement of speakers.....	3
Getting started	4
Overview of controls	6
Discs	7
FM/AM radio	9
Timer.....	10
Sound adjustment	11
External unit.....	12
Troubleshooting guide	14
Specifications	15
Maintenance.....	15

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.

Supplied accessories

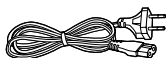
Please check and identify the supplied accessories.

1 x Remote control

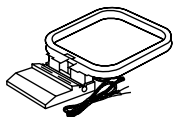


(N2QAYB000082)

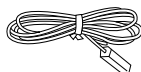
1 x AC mains lead



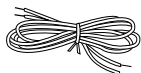
1 x AM loop antenna



1 x FM indoor antenna



2 x Speaker cables



2 x Remote control batteries



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.

– 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.

Placement of speakers



Place the speakers so that the tweeter is on the inside.

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.

Caution

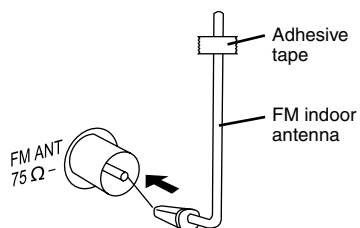
- **Use the speakers only with the recommended system. Failure to do so can damage the amplifier and speakers, and can cause fire. Consult a qualified service person if damage occurs or if a sudden change in performance is apparent.**
- **Do not attach these speakers to walls or ceilings.**

Getting started

Step 1 - Making the connections

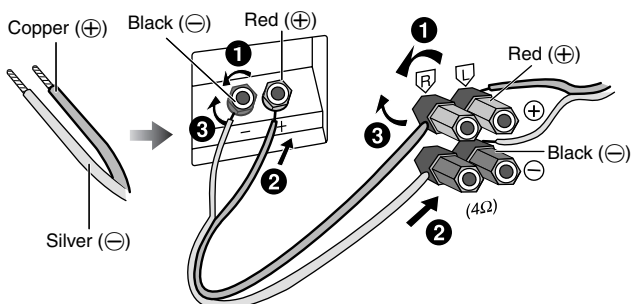
Connect the AC mains lead only after all other connections have been made.

1 Connect the FM indoor antenna.

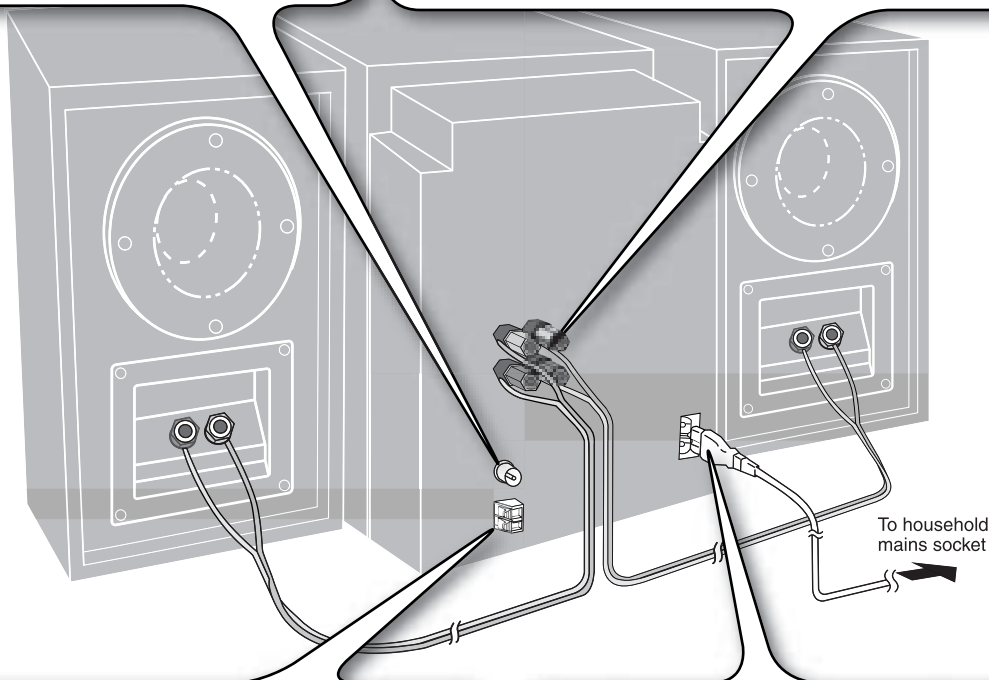


Tape the antenna to a wall or column, in a position with least amount of interference.

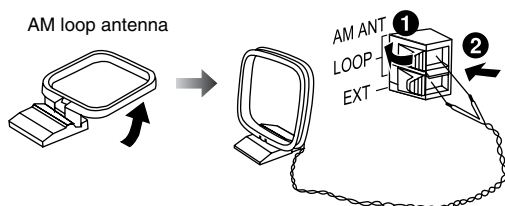
2 Connect the speaker cables.



Incorrect connection can damage the unit.



3 Connect the AM loop antenna.

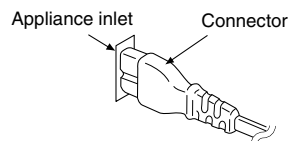


Stand the antenna up on its base. Keep the loose antenna cord away from other wires and cords.

4 Connect the AC mains lead.

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

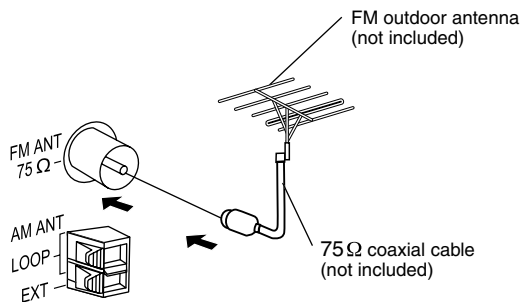
Insertion of connector



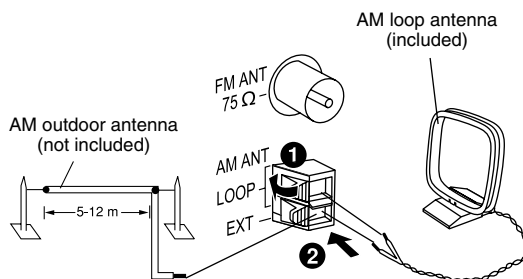
Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing. However there is no problem using the unit.

Optional antenna connections

FM outdoor antenna

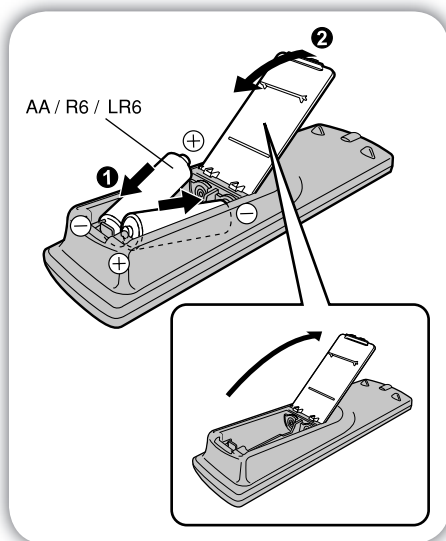


AM outdoor antenna



- 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.

Step 2 - 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.
- Mishandling of batteries in the remote control can cause electrolyte leakage, which may cause a fire.

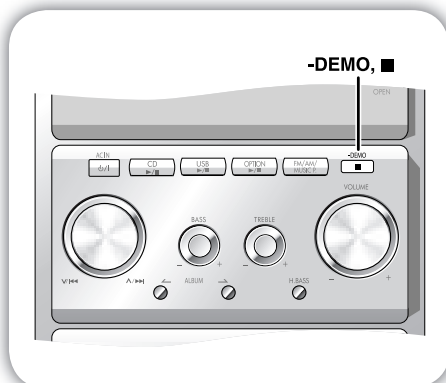
Do not:

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

■ 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.

Step 3 - 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.

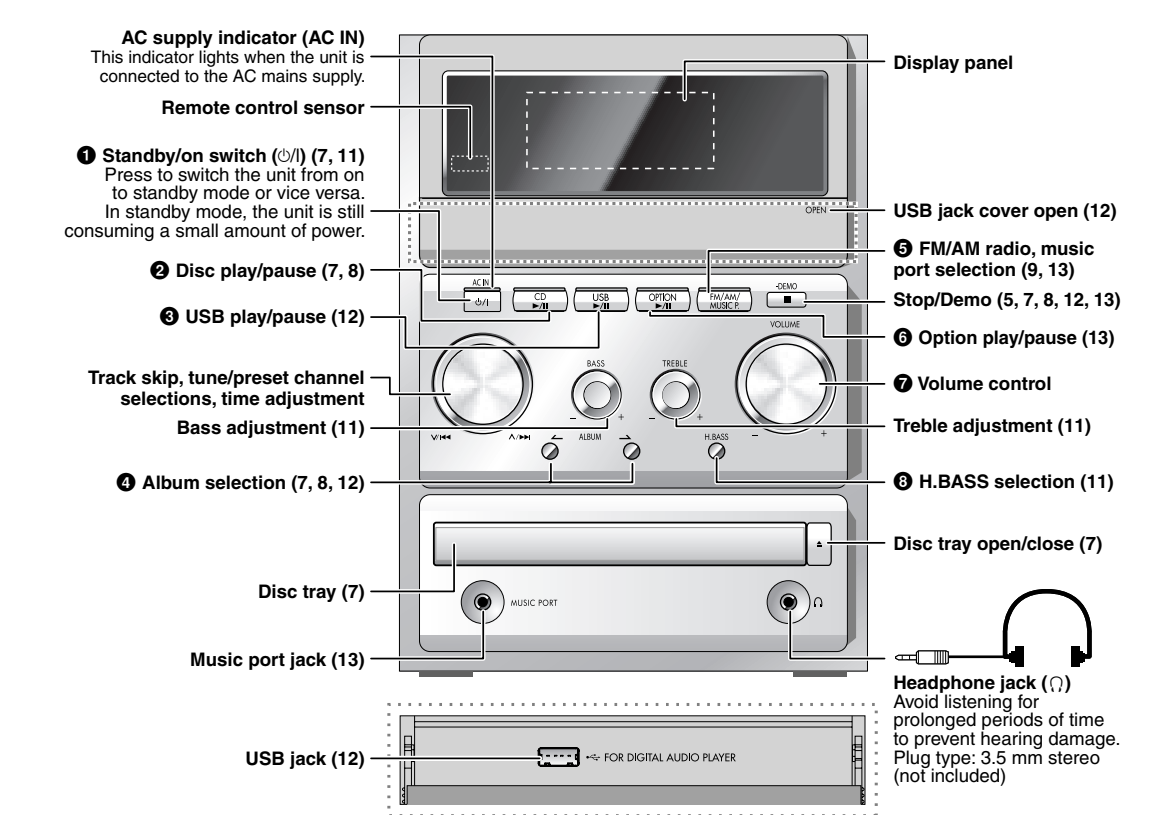
→ DEMO OFF → DEMO ON

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

Overview of controls

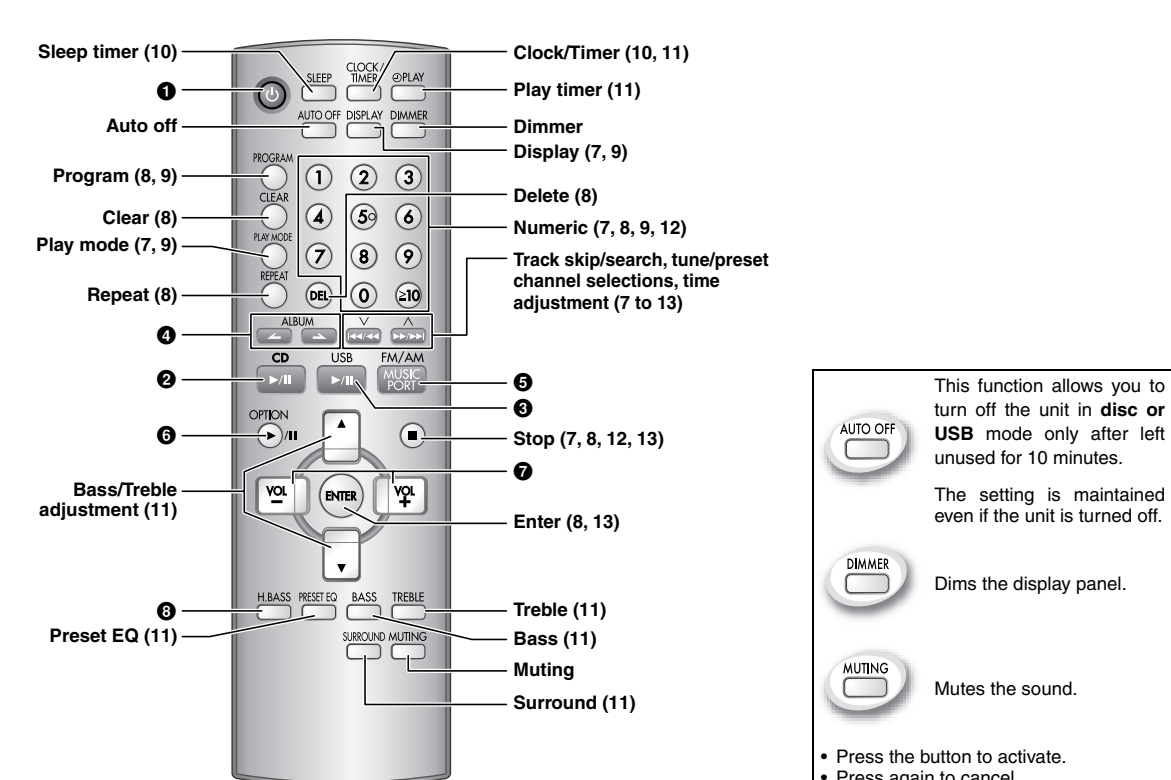
Main unit

Refer to the numbers in parentheses for page reference.



Remote control

Buttons such as ❶ 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 left unused for 10 minutes.

The setting is maintained even if the unit is turned off.

AUTO OFF

DIMMER


Dims the display panel.

MUTING

Mutes the sound.

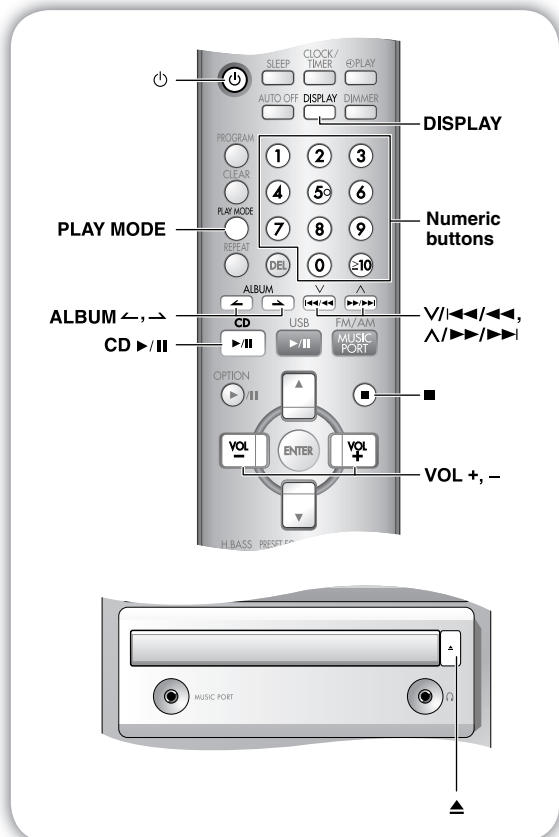
- Press the button to activate.
- Press again to cancel.

The setting is maintained even if the unit is turned off.

 Dims the display panel.

 Mutes the sound.

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

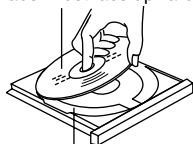


Basic play

CD MP3

- 1 Press [Power] to turn the unit on.
- 2 Press [▲] to open the disc tray and then load the disc. Press [▲] again to close the tray.

Label must face upward



Disc tray

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

To	Action
stop the disc	Press [■].
pause play	Press [CD ▶/II]. Press again to resume play.
skip tracks	Press [V/I◀◀/▶▶] or [^/▶▶/▶▶].
search through tracks	Press and hold [V/I◀◀/▶▶] or [^/▶▶/▶▶] during play or pause.
CD	
skip album	Press [ALBUM ◀ or ▶] in the play mode.
MP3	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 MP3	one selected album on the disc. Press [ALBUM ◀ or ▶] to select the album.
RANDOM RND	a disc randomly.
1-ALBUM RANDOM 1ALBUM RND 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.
- 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

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

Press [DISPLAY] repeatedly during play or pause mode.

CD

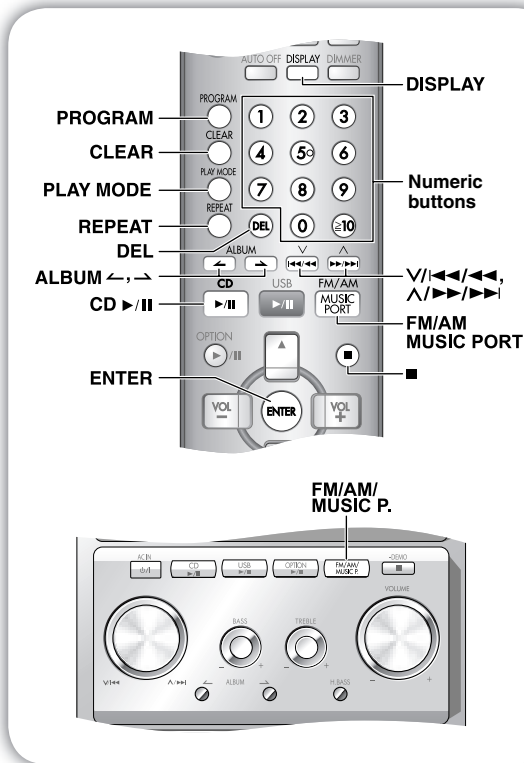
→ Elapsed play time → Remaining play time

MP3

Elapsed play time → Remaining play 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 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 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 [◀/▶/▶▶] 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.

For two-digit track, press [≥10] once, and then the two digits.
For three-digit track, press [≥10] twice, and then the three digits.

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 [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 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.
- 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.

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.

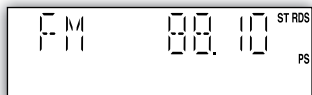
MP3

- 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.

FM/AM radio

Manual tuning

- 1 Press [FM/AM/MUSIC PORT] repeatedly to select "FM" or "AM".
- 2 Press [PLAY MODE] to select "MANUAL".
- 3 Press [V/L◀◀/◀◀] or [V/▶▶/▶▶] 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/▶▶/▶▶] 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/▶▶/▶▶] once again.

To improve FM sound quality

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

To cancel

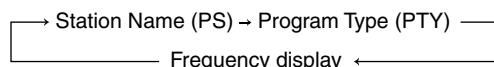
Press and hold [PLAY MODE] again until "MONO" disappears.

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

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 band and 15 stations in the AM band.

Preparation

Press [FM/AM/MUSIC PORT] repeatedly to select "FM" or "AM".

Automatic presetting

Press and hold [PROGRAM] to start presetting.

Manual presetting

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

For two-digit channel, press ≥ 10 , then the two digits.

OR

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

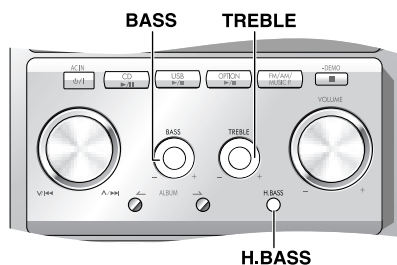
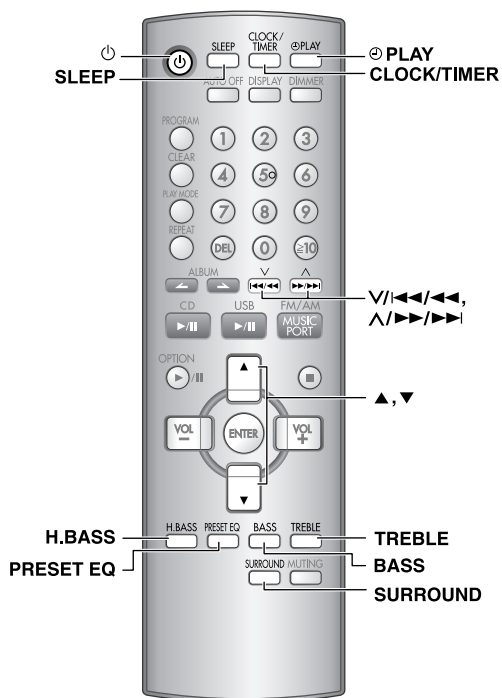
AM allocation setting

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

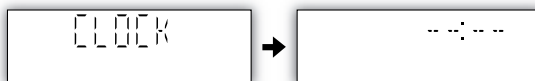
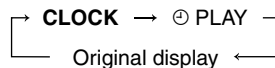
- 1 Press [FM/AM/MUSIC P.] to select "FM".
- 2 Press and hold [FM/AM/MUSIC P.].
After a few seconds the display changes to a flashing display of the current minimum frequency.
- 3 Continue to hold down [FM/AM/MUSIC P.].
 - When the minimum frequency changes, release the button. To return to the original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



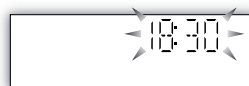
Setting the clock

This is a 24-hour clock.

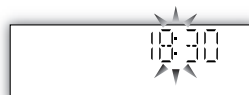
- 1 Press [CLOCK/TIMER] to select "CLOCK".
Each time you press the button:



- 2 Within 5 seconds, press [VOLUME] or [VOLUME] to set the time.



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



Displaying the clock

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

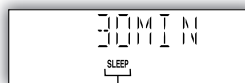
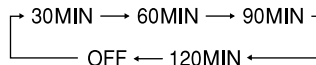
Note

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

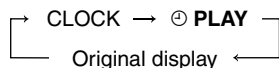
You can set the play timer to come on at a certain time to wake you up.

Preparation

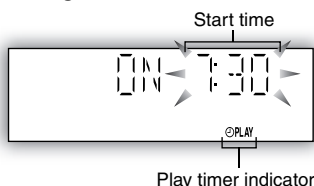
Turn the unit on and set the clock.

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

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

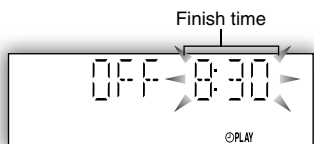


- 2 Within 5 seconds, press [▼/◀◀/▶▶] or [▼/▶▶/▶▶] to set the starting time.



- 3 Press [CLOCK/TIMER] to confirm.

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



To activate the timer

- 5 Press [⊕PLAY] to turn on the timer.
"⊕PLAY" is displayed.
- 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 or option port is selected as the source when the timer comes on, the system turns on and engages MUSIC PORT or option 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.

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

Enables you to enjoy the lower or higher pitch sound.

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

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

- 2 Press [▲] or [▼] to adjust the level.

OR

To adjust bass or treble using the main unit.

Turn [BASS] or [TREBLE] 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.

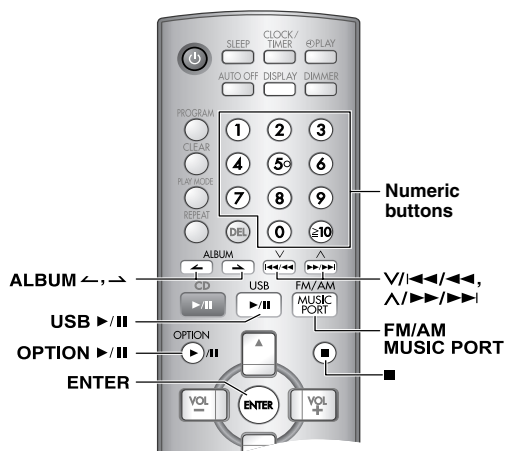
Press [H.BASS] repeatedly to select your desired setting.

LEVEL 1 → LEVEL 2 → OFF

Note

The actual effect depends on the disc.

External unit



Connecting and playing a USB mass storage class device

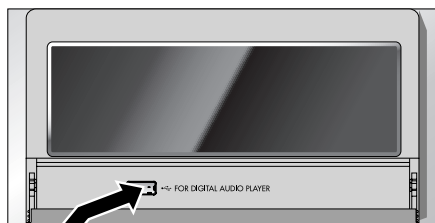
MP3

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 USB device is not recognised by this unit.



USB enabled device
(not included)
It is not recommended to use a USB extension cable. The device connected via the cable will not be recognised by this unit.

- 1 Slide open the USB jack cover.
- 2 Reduce the volume and connect the USB mass storage device.
- 3 Press [USB ►/II] 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 [V/I◀◀/▶▶] or [V/I▶▶/▶▶].
skip album	Press [ALBUM ◀ or ▶] in the play mode. Press [ALBUM ◀ or ▶] once and then the numeric buttons in the stop mode.

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

Note

You can program up to 12 tracks for USB program play function.

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

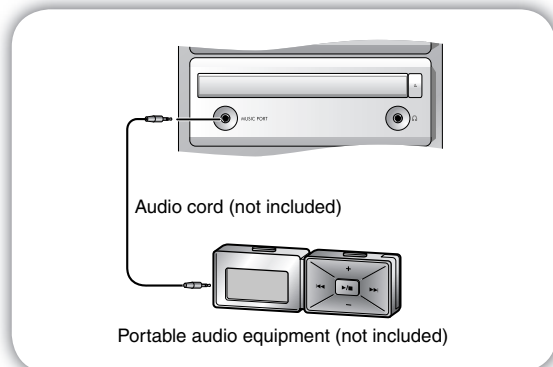
Files must have the extension ".mp3" or ".MP3".

Note

- CBI (Control/Bulk/Interrupt) is not supported.
- A device using NTFS file system is not supported [Only FAT 16/32 (File Allocation Table 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 to a compatible digital audio player to the USB jack, charging may be activated. It will not charge when the unit is switch to standby mode or during option port charging.

Connecting and playing a portable audio equipment

This feature enables you to enjoy music 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.

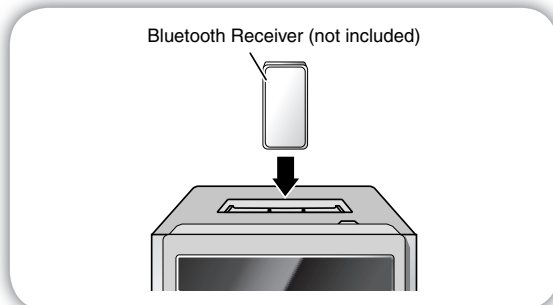
- 1 Plug the audio cord into the MUSIC PORT jack and press [FM/AM/MUSIC PORT] repeatedly to select MUSIC PORT.
- 2 Play the portable audio equipment. (See the portable audio equipment's instruction manual.)

Note

All peripheral components and cables are sold separately.

Connecting and playing a Bluetooth device

By connecting a Bluetooth Receiver (e.g SH-FX570R, sold separately), you can receive and play the audio stored in your Bluetooth audio source device (personal computer, etc).



- 1 Slide open the docking mechanism cover.
- 2 Connect the Bluetooth Receiver into the option port (see the Bluetooth Receiver's instruction manual).
- 3 Press [OPTION ►/II] to select "OPTION" as the source.
- 4 Press [■].
- 5 Pairing and play your Bluetooth audio device (see the device's instruction manual).

To	Action
pause	Press [OPTION ►/II] or [■]. Press [OPTION ►/II] to resume.
skip tracks	Press [V/◀◀/◀◀] or [V/▶▶/▶▶].

Charging and playing an iPod

You can charge and play your iPod by connecting a Universal Dock for iPod (SH-PD10, sold separately) to this unit.

Connecting and charging the iPod

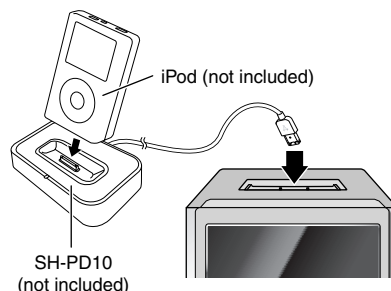
- 1 Connect the Universal Dock for iPod into the Option port.
- 2 Insert the appropriate adapter and place your iPod into the Universal Dock (See the SH-PD10's instruction manual).

Note

The iPod is not charging when you are in the USB mode.

Playing the iPod

- 1 Connect the iPod as described above.



- 2 Press [OPTION ►/II] to select option as the source.

To	Action
pause	Press [OPTION ►/II] or [■]. Press [OPTION ►/II] to resume.
skip tracks	Press [V/◀◀/◀◀] or [V/▶▶/▶▶].
search through tracks	Press and hold [V/◀◀/◀◀] or [V/▶▶/▶▶].

Note

Refer to the SH-PD10's instruction manual for the compatible iPod models.

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

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

- 1 Press [FM/AM/MUSIC P.] to select "AM".
- 2 Press and hold [FM/AM/MUSIC P.] 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 10).
"F61" 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.	Use an outdoor antenna (➡ page 5).
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 9).

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. 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.	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.
"VBR-" is displayed instead of the remaining play time.	The unit cannot display the remaining play time for variable bit rate (VBR) tracks.

The remote control

Remote control doesn't work.	Check that the batteries are inserted correctly (➡ page 5). Replace the batteries if they are worn.
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USB

The USB drive or its contents cannot be read.	The USB drive format or its contents is/are not compatible with the system (➡ page 12). 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.	Large file size or high memory USB flash drive takes longer time to read.
"USB OVER CURRENT ERROR"	The USB mass storage device rating exceeds 500mA. Disconnect the USB device. Turn the unit off and then back on.
"NO PLAY"	Check the content. Only MP3 format files can be played.

Specifications

AMPLIFIER SECTION

RMS OUTPUT POWER both channel driven simultaneously	80 W per channel (4 Ω)
10 % Total harmonic distortion	
Input impedance	
MUSIC PORT	250 mV 13 kΩ
Output impedance	
HEADPHONE	16 to 32 Ω
Phone jack	
Terminal	Stereo, 3.5 mm
Music Port jack	
Terminal	Stereo, 3.5 mm
Option Port	Version 1

FM TUNER SECTION

Frequency range	87.50 to 108.00 MHz (50 kHz step)
Sensitivity	10 dBμV (IHF)
S/N 30 dB	10 dBμV
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 step) 520 to 1630 kHz (10 kHz step)
Sensitivity	
S/N 20 dB (at 999 kHz)	1778 μV/m

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	44.1 kHz
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	
Beam source	Semiconductor laser
Wavelength	785 nm
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)

USB SECTION

Playable USB Storage Media	
(1) HDD	
(2) USB MP3 player/Digital audio player	
(3) USB Thumbdrives	
Supported audio file format	MP3
USB memory port	
Maximum current	500 mA
Bit rate	
MP3	32 kbps to 320 kbps
Audio output (MP3)	
Number of channels	2 channel
Frequency response (MP3)	20 Hz to 20 kHz

SPEAKER SECTION

Type	3 way, 3 speaker system
Speaker(s)	
Woofer	14 cm Cone type 4 Ω
Tweeter	2.5 cm Soft dome type 4 Ω
Super Tweeter	1.2 cm Dome type 11 Ω
Impedance	4 Ω
Input power (IEC)	80 W (MAX) 40 W (RATED)
Output sound pressure	81 dB/W (1.0 m)
Cross over frequency	3.5 kHz, 15 kHz
Frequency range	41 Hz to 100 kHz (-16 dB) 46 Hz to 90 kHz (-10 dB)
Dimensions (W x H x D)	160 mm x 242 mm x 258 mm
Mass	3.3 kg

GENERAL

Power supply	AC 230 V, 50 Hz
Power consumption	80 W
Dimensions (W x H x D)	174 mm x 244 mm x 318 mm
Mass	4.6 kg
Operating temperature range	+5 to +35°C
Operating humidity range	5 to 90 % RH (no condensation)

Power consumption in standby mode 0.5 W (approx.)

Note

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

VAROITUS!

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

VAROITUS!

- ÄLÄ ASENNATA TAI LAITETA 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 SUORITTA 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.

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 VÆSKEFYLT 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.