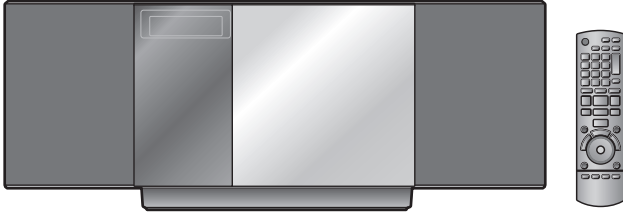


Operating Instructions Compact Stereo System

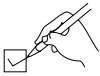
Model No. **SC-HC3**



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.

Supplied accessories



Please check and identify the supplied accessories.

Use numbers indicated in parentheses when asking for replacement parts.
(Product numbers correct as of February 2009. These may be subject to change.)

1 Remote control



(N2QAYB000394)

1 AM loop antenna



(N1DAAAA00002)

1 FM indoor antenna



(RSAX0002)

2 Batteries



1 AC mains lead



(K2CZ3YY00005)

Note

- 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.

Note

“EB” on the packaging indicates the United Kingdom.

Table of contents

Supplied accessories	Cover
Caution for AC Mains Lead	2
Connections	4
Preparing the remote control	5
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Disc operations	8
Radio operations	10
RDS broadcasts	10
Timer	11
Sound adjustment	12
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Troubleshooting guide	15
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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.

■ Caution for AC Mains Lead

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.

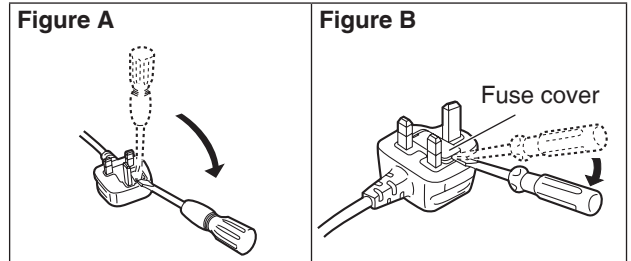
Before use

Remove the connector cover.

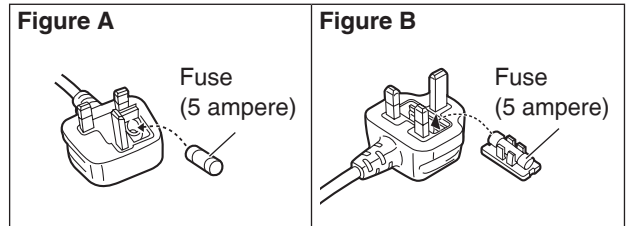
How to replace the fuse

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.



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



■ Sales and Support Information

Customer Care Centre

- For customers within the UK: 0844 844 3852
- For customers within the Republic of Ireland: 01 289 8333
- Visit our website for product information
- E-mail: customer.care@panasonic.co.uk

Direct Sales at Panasonic UK

- For customers: 0844 844 3856
- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Care Centre
Monday-Thursday 9:00am-5:30pm,
Friday 9:30am-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.

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.

CAUTION!

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

The socket outlet shall be installed near the equipment and easily accessible.

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 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.

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.

THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.

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

Pursuant to at the directive 2004/108/EC, article 9(2)
Panasonic Testing Centre
Panasonic Marketing Europe GmbH
Winsbergring 15, 22525 Hamburg, Germany

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.



Back of product

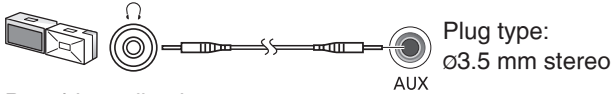


CAUTION	- CLASS 1M INVISIBLE LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC00925-1 +A2 Class 1M
VARNING	- KLASS 1M OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN DIREKT GENOM OPTISKT INSTRUMENT.
FORSIGTIG	- USYNLIG LASERSTRÅLNING KLASSE 1M. NÄR LÅGET ER ÅBENT. UNDGÅ AT SE LIGE PÅ MED OPTISKE INSTRUMENTER.
VARO!	- AVATTAESSA OLET ALTTIINA LUOKAN 1M NÄKYMÄTKÖKTÄ LASERSÄTELYÄ. ÄLÄ KATSO OPTISELLA LAITTEILLA SUORAAN SÄTEESEEN.
VORSICHT	- UNSICHTBARE LASERSTRÄHLUNG KLASSE 1M. WENN ABDECKUNG 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。 GB7241.1-2001B 类 POLXS071

Inside of product

Connections

Portable audio equipment (Cords and equipment not included)



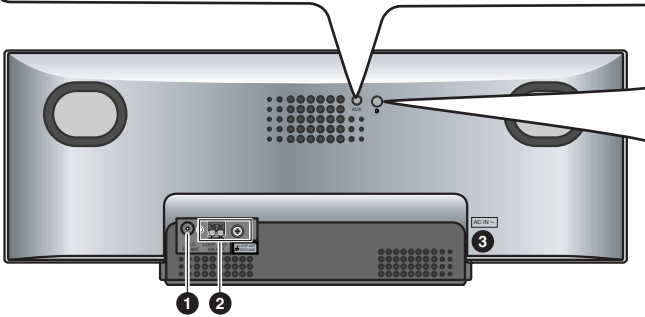
Portable audio player

Start playback from the portable audio source.



Note

- Adjust the volume and sound quality of this unit and the other equipment. Reduce the level of input signal (for example, by switching off the equalizer or reducing the volume) of the other equipment before connection. High levels of input signal will distort the sound.
- For details, refer to the instruction manual of the other equipment.



Headphones (not included)

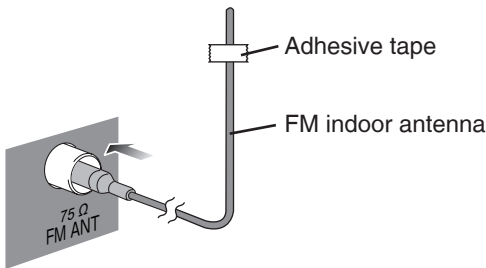
Reduce the volume level and connect the headphones. Plug type: Ø3.5 mm stereo.



Note

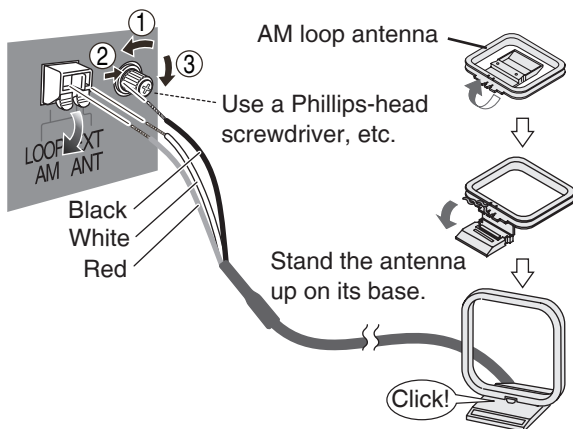
- Avoid listening for prolonged periods of time to prevent hearing damage.
- Excessive sound pressure from earphones and headphones can cause hearing loss.

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 AM loop antenna.



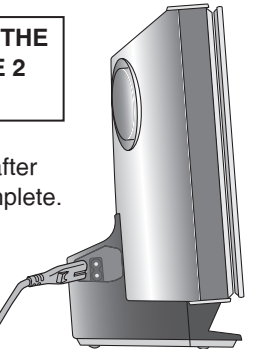
Keep the loose antenna cord away from other wires and cords. Do not screw too tightly. Otherwise, the screwdriver goes around in circle and cannot be fixed.

3 Connect the AC mains lead.

READ THE CAUTION FOR THE AC MAINS LEAD ON PAGE 2 BEFORE CONNECTION.

Connect the AC mains lead after all other connections are complete.

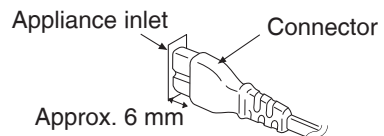
To household AC mains socket



Note

To save power when the unit is not to be used for a long time, unplug it from the household AC mains socket. You will need to reset some memory items after plugging in the unit.

Insertion of connector

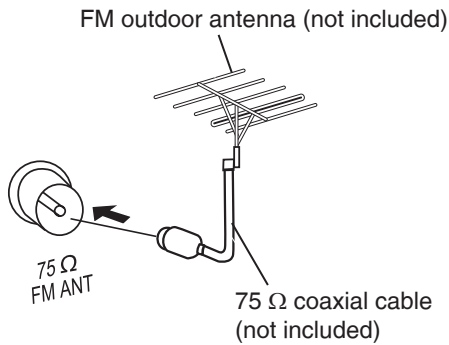


Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing. However there is no problem using the unit.

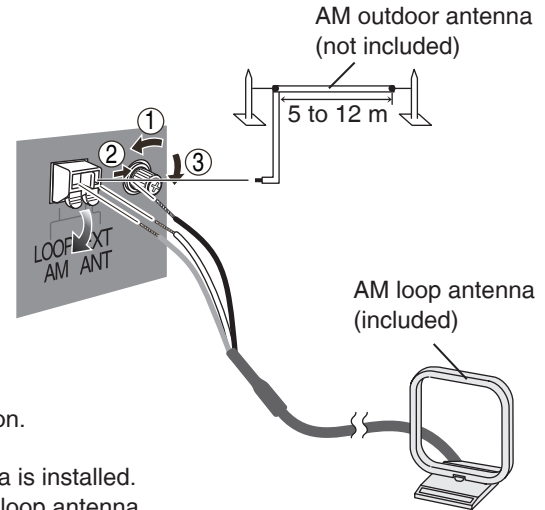
Connections (continued)

Optional antenna connections

FM outdoor antenna

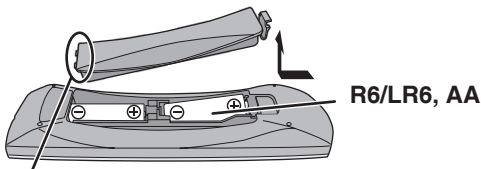


AM outdoor antenna



- 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



Place this side in before the other side

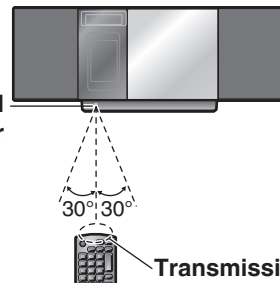
Batteries

- Use a manganese dry battery or an alkaline 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.

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.

Remote control signal sensor



Use

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

Demo function

Top View (Top Panel)



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.

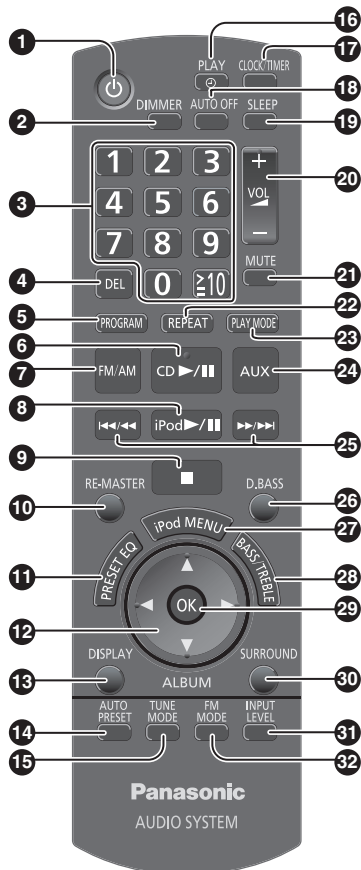


While in standby mode, select "DEMO OFF" to reduce power consumption.

Remote Control

- Refer to the numbers in parentheses for page reference.
- [◀◀/▶▶] and [▶▶/▶▶] described in the operations have the same controls as [◀] and [▶] respectively.

- Standby/on switch** [⏻], [⏻/⏻] (8, 11)
Press to switch the unit from on to standby mode or vice versa.
In standby mode, the unit is still consuming a small amount of power.
- [DIMMER]** Dims the display panel
- Numeric buttons [1-9, 0, ≥10]** (8, 9, 10)
To select a 2-digit number
e.g. 16: [≥10] → [1] → [6]
To select a 3-digit number
e.g. 226: [≥10] → [≥10] → [2] → [2] → [6]
- [DEL]** Delete last programmed track (8)
- [PROGRAM]** (8, 10)
CD/MP3 Program
Tuner Preset (Manual)
- [CD ▶/||]** (8, 9)
Selector switch to CD
Direct CD Play/CD Pause
- [FM/AM]** (10)
FM/AM selection
- [iPod ▶/||]** (13)
Selector switch to iPod
Direct iPod Play/iPod Pause
- [■]** Stop button (8, 13)
- [RE-MASTER]** Re-master on/off (12)
- [PRESET EQ]** (12)
Preset EQ mode selector
- [▲, ▼, ALBUM]** (8, 9, 13)
Album/track selection
iPod menu browsing
[◀, ▶]
Track skip/search
Tune/preset channel selection
Time adjustment
Bass/treble adjustment
- [DISPLAY]** (9, 10)
CD: CD Display (Elapsed play time/
Remaining play time)
MP3: MP3 Display [Elapsed play time/
Album name/Track name/ID3 (Album)/
ID3 (Track)/ID3 (Artist)]
RDS: RDS Display (Station Name/
Program Type/Frequency)
- [AUTO PRESET]** (10)
Tuner Preset (Auto)
- [TUNE MODE]** (10)
Tune mode on/off
Selector switch to Manual/Preset

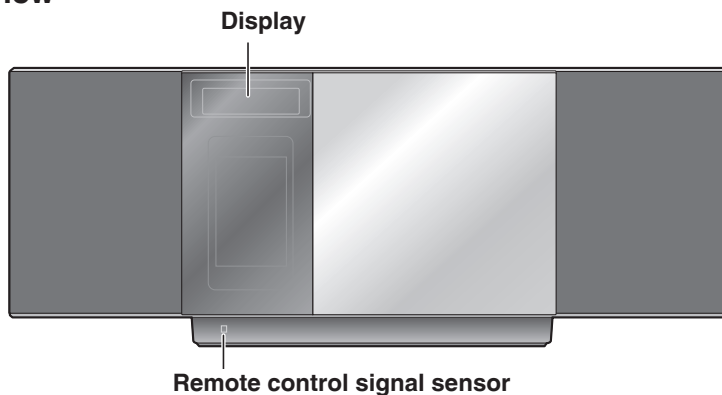


- (11) [⏻, PLAY]** 16
Play timer on/off
- (11) [CLOCK/TIMER]** 17
Clock and Timer setting
- [AUTO OFF]** 18
This function allows you to turn off the unit in disc mode only after the unit is left unused for 10 minutes. The setting is maintained even if the unit is turned off. Press again to cancel this function.
- (11) [SLEEP]** 19
Sleep timer setting
- (8, 11, 13) [VOL +, -], [-VOLUME+]** 20
To adjust the volume
- [MUTE]** 21
Mutes the sound
Press again to cancel muting
- (9) [REPEAT]** 22
Repeat on/off
- (9, 10) [PLAY MODE]** 23
Play mode button
Tuner: Lowest/Current
- (4, 14) [AUX]** 24
Connecting to other external units
- (8, 10, 11, 12, 13) [◀◀/▶▶], [▶▶/▶▶]** 25
Track skip/search
Tune/preset channel selection
Time adjustment
Bass/treble adjustment
- (12) [D.BASS]** 26
D.BASS on/off
- (13) [iPod MENU]** 27
To display iPod menu
- (12) [BASS/TREBLE]** 28
Bass/Treble selection
- (8, 13, 14) [OK]** 29
Disc play
Confirm selection
- (12) [SURROUND]** 30
Surround mode on/off
- (12) [INPUT LEVEL]** 31
Adjusting level in AUX mode to Normal/High
- (10) [FM MODE]** 32
FM mode on/off
Selector switch to Mono/Stereo

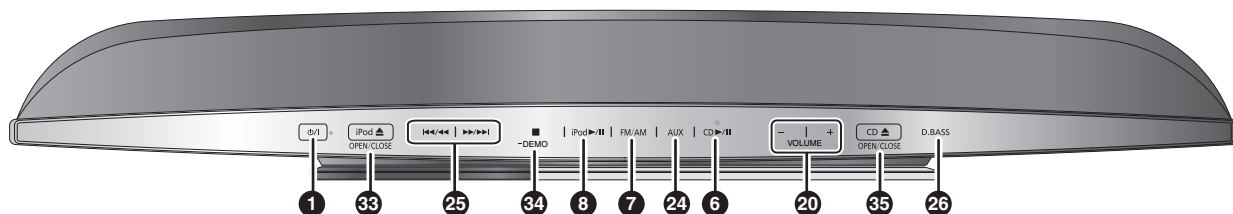
Main Unit

- Buttons such as ❶ function the same as the remote control.

Front View

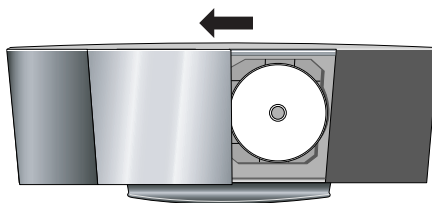


Top View (Top Panel)



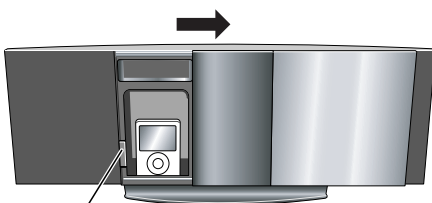
- ❸❸ [iPod ▲, OPEN/CLOSE] (13)
Open and close sliding door for iPod operation.
- ❸❹ [■, -DEMO] (5)
Stop/Demo
- ❷❹ [CD ▲, OPEN/CLOSE] (8)
Open and close sliding door for CD operation.

Sliding door Operation



❷❹ To operate CD

Press to open sliding door. Press again to close sliding door after setting the CD in place. (Refer to page 8 for inserting the CD.)



❸❸ To operate iPod

Press to open sliding door. Press again to close sliding door after iPod is inserted into the dock properly. (Refer to page 13 for inserting the iPod.)

Docking switch

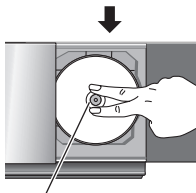
Basic play



- Press [⏻] to turn the unit on.
- Press [CD ▲, OPEN/CLOSE] to open the sliding door and then set the CD in place.



- Tilt the CD to the left and slide it in place.



- Label must face outward. Press until you hear it clicks into place.

Center part

- Press [CD ▲, OPEN/CLOSE] again to close the sliding door. Keep fingers away from the sliding door when it is closing to avoid possible minor injuries.
- Press [CD ▶/||] or [OK] to start play.
- Press [VOL ▲+, -] to adjust the volume.

Note

- Be sure to press the [CD ▲, OPEN/CLOSE] button to open and close the sliding door. Damage may occur if the sliding door is forced closed.
- Be careful of CD hitting the sliding door while being removed.

To	Action
stop	Press [■].
pause	Press [CD ▶/]. Press again to resume play.
skip/search	Press [◀◀/▶▶] or [▶▶/▶▶] to skip. Press and hold [◀◀/▶▶] or [▶▶/▶▶] to search. Note <ul style="list-style-type: none"> You can search during play or while paused. You cannot search through MP3 files. You can only search within the current track during program play, one track repeat, and random play.
skip album	Press [▲, ▼, ALBUM] in the play mode. Press [▲, ▼, ALBUM] once and then the numeric buttons in the stop mode.
direct access play (Play starts with the track you select.)	CD Press the numeric buttons to select the desired track. MP3 <ol style="list-style-type: none"> Press [▲, ▼, ALBUM] to select the album. Press [▶▶/▶▶] once and then press the numeric buttons to select the desired track.

Program play



The function allows you to program up to 24 tracks.

CD

- Press [CD ▶/||] and then [■].
- Press [PROGRAM].
- Press the numeric buttons to select tracks. Repeat this step to program other tracks.
- Press [CD ▶/||] or [OK] to start play.

MP3

- Press [CD ▶/||] and then [■].
- Press [PROGRAM].
- Press [▲, ▼, ALBUM] to select your desired album.
- Press [▶▶/▶▶] once and then press the numeric buttons to select tracks.
- Press [OK]. Repeat step 3 to 5 to program other tracks.
- Press [CD ▶/||] to start play.

To	Action
cancel program mode	Press [PROGRAM] in the stop mode to clear "PGM" indicator from the display.
replay the program	Press [PROGRAM] then [CD ▶/].
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 [▶▶/▶▶].
clear the last track	Press [DEL] in the stop mode.
clear all programmed track	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 sliding door.

CD


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

Repeat play

REPEAT

You can repeat program play or other selected play mode.

Press **[REPEAT]** before or during play.

“ON REPEAT” and “” are displayed.

To cancel

Press **[REPEAT]** again.

“OFF REPEAT” is displayed and “” is cleared.

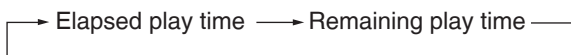
Display function

DISPLAY

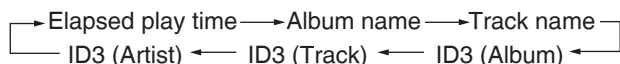
This function allows you to display the information of the current track.

Press **[DISPLAY]** repeatedly during play or pause.

CD



MP3



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.

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

Note

- During random play, you cannot skip to previous track.
- The current play mode is cleared when you open the sliding door.

CD

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

Note on CD-R and CD-RW

This unit can play CD-R and CD-RW recorded with CD-DA or MP3. Use an audio recording disc for CD-DA and finalize* it when you finish recording.

The unit may not be able to play some discs due to the condition of the recording.

* A process performed after recording that enables CD-R/CD-RW players to play audio CD-R and CD-RW.

Caution

Do not:

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

Note about using a DualDisc

The digital audio content side of a DualDisc does not meet the technical specifications of the Compact Disc Digital Audio (CD-DA) format so playback may not be possible.

MP3

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

When creating MP3 files to play on this unit

- Maximum number of tracks and albums: 999 tracks and 256 albums.
- Compatible compression rate:
Between 64 kbps and 320 kbps (stereo).
128 kbps (stereo) is recommended.
- Disc formats: ISO9660 level 1 and level 2 (except for extended formats).
- The time for reading TOC depends on the number of the tracks, the folders or folder structures.

Limitations on MP3

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

Radio operations

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

- 1 Press [FM/AM] to select “FM” or “AM”.
- 2 Press [TUNE MODE] to select “MANUAL”.
- 3 Press and hold [◀◀/▶▶] or [▶▶/▶▶] until the frequency starts changing rapidly.
 - Auto tuning stops when it finds a station.
 - To cancel auto tuning, press [◀◀/▶▶] or [▶▶/▶▶] once again.

Note

Auto tuning may not function when there is excessive interference.

To improve FM sound quality



Press [FM MODE] to display “MONO” indicator.

To cancel

Press [FM MODE] again until “MONO” indicator disappears.

- “MONO” is also canceled if the frequency is changed.
- Turn off “MONO” for normal listening.

To improve AM sound quality



- 1 Press [FM/AM] to select “AM”.
- 2 Press and hold [TUNE MODE] repeatedly to change beat proof setting (“BP1”, “BP2”, “BP3” or “BP4”).

Memory preset



You can preset up to 30 FM channels and up to 15 AM channels.

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.
 - The tuner presets all the stations it can receive into the channels in ascending order. When finished, the last station memorised is tuned in.

Manual presetting



- 1 Press [TUNE MODE] to select “MANUAL”.
- 2 Press [◀◀/▶▶] or [▶▶/▶▶] to tune to the required station.
- 3 Press [PROGRAM].
- 4 Press the 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 the numeric buttons to select the channel.

For channels 10 to 30 press [≥10], then the two digits.

OR

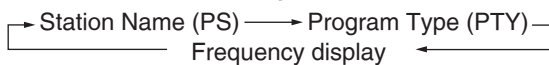
- 1 Press [TUNE MODE] to select “PRESET”.
- 2 Press [◀◀/▶▶] or [▶▶/▶▶] to select the channel.

RDS broadcasts

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

“RDS” lights while RDS signals are being received.

Press [DISPLAY] to display.



Note

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

Timer

Setting the clock

CLOCK/TIMER



This is a 24-hour clock.

- ① Press [CLOCK/TIMER] to set the clock.
- ② Press [◀◀/▶▶] or [▶▶/▶▶] to select the time within 5 seconds.
(Press and hold to change the time faster.)
- ③ Press [CLOCK/TIMER] again.

■ To display the clock for few seconds when the unit is on or in standby mode

Press [CLOCK/TIMER]

Note

Reset the clock regularly to maintain accuracy.

Play timer

PLAY



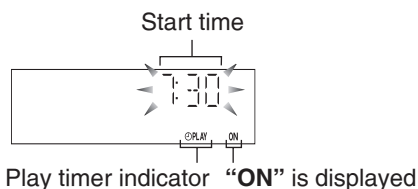
You can set the timer to come on at a certain time to wake you up. This unit offers 3 optional play timers.

Preparation:

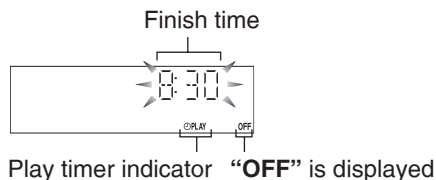
- Turn the unit on and set the clock. (→ see above)
 - Prepare the music source (disc, radio, iPod or AUX) and set the volume.
- ① Press [CLOCK/TIMER] repeatedly to select play timer.

CLOCK → ⊕PLAY 1 → ⊕PLAY 2 → ⊕PLAY 3
 ↖ Original display ↗

- 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] repeatedly to turn on your desired 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 ⊕PLAY 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 1, ⊕PLAY 2 or ⊕PLAY 3.
cancel	Press [⊕, PLAY] to clear the timer indicator from the display.

Note

- The 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 the timer is functioning, the finish time setting will not be activated.
- When external unit is selected as the source when the timer comes on, the system turns on and engages external unit 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.)

Sleep timer

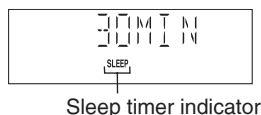
SLEEP



The SLEEP timer can turn the unit off after a set time. Press [SLEEP] to turn the SLEEP function on/off.

- Each time you press the button:

30MIN → 60MIN → 90MIN → 120MIN
 ↖ OFF (Canceled) ↗



■ To check the remaining time

Press [SLEEP] once

Note

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

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 → FLAT

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

Bass or treble



Enable you to enjoy 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

SURROUND



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.

Enhancing the bass

D.BASS



Enables you to enjoy the powerful bass effect.

Press [D.BASS] during play to select “ON D.BASS”.

- Each time you press the button:
ON D.BASS ↔ OFF D.BASS

Note

The actual effect depends on the music source.

Re-master—Enjoying more natural sound

RE-MASTER



MP3

Digital remaster is effective on CD (MP3)

Analog remaster is effective on iPod and AUX

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

Level adjustment (during AUX mode)

INPUT LEVEL



You can select the sound input level of your portable audio equipment.

Press [INPUT LEVEL] repeatedly to select your desired setting.

- Each time you press the button:
HIGH ↔ NORMAL

Note

Select “NORMAL” if the sound is distorted when level “HIGH” is activated.

Enjoying audio from iPod



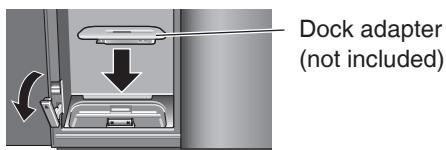
Inserting the iPod

- 1 Press [iPod ▲, OPEN/CLOSE] to open the sliding door.
- 2 Push [▲] to open the docking switch.

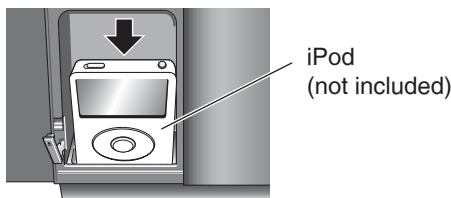


Docking switch

- 3 Adjust the docking switch and insert the suitable dock adapter for your iPod.



- 4 Insert your iPod into the dock.



- 5 Push back the docking switch.
 - Recharging starts when the iPod dock is properly locked.



- 6 Press [iPod ▲, OPEN/CLOSE] again to close the sliding door.

Keep fingers away from the sliding door when it is closing to avoid possible minor injuries.

Note

- It is recommended to use the dock adapter from Apple.
- Be sure to push [▲] to open and adjust the docking switch when removing the iPod. Push back the docking switch after iPod being removed.

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.)

Playing the iPod

Preparation:

- Reduce the volume of the main unit to minimum before connecting/disconnecting the iPod.
 - Confirm the iPod connection. (→ left)
- 1 Press [iPod ►/||] to play the iPod.
 - 2 Adjust the volume of the main unit.

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

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.

Changing the main unit and remote control mode

The remote control and main unit are factory-set to “REMOTE 1” mode.

If you find the remote control unintentionally also controls other equipment, you can switch to operate in “REMOTE 2” mode.

To switch to “REMOTE 2” mode

- ① Press [AUX] to enter AUX mode. AUX
- ② (While pressing [AUX] on the main unit) Press and hold [2] until “REMOTE 2” appears on the main unit display.
- ③ Press and hold [OK] followed by [2] for at least 2 seconds.

The main unit and remote control are now set to operate in “REMOTE 2” mode.

To return to “REMOTE 1” mode

Perform steps 1 to 3 but use [1] instead of [2] for steps 2 and 3. (“REMOTE 1” appears on the main unit during step 2.)

The remote control cannot work with the main unit if their modes are different.

“REMOTE 1” or “REMOTE 2” appears on the main unit when you operate the remote control.*

* If “REMOTE 1” appears (The main unit is in “REMOTE 1” mode.)

Press and hold [OK] followed by [1] on the remote control for at least 2 seconds.

If “REMOTE 2” appears (The main unit is in “REMOTE 2” mode.)

Press and hold [OK] followed by [2] on the remote control for at least 2 seconds.

Troubleshooting guide

Before requesting service, make the following checks. If you are in doubt about any of the check points, or if the solutions indicated in the chart do not solve the problem, consult your dealer for instructions.

Common problems

Incorrect display or play will not start.	<ul style="list-style-type: none"> You have not inserted the disc correctly; insert it correctly. The disc is scratched or dirty. (Tracks skipped.) There is moisture on the lens. Wait for about an hour and then try again.
MP3 cannot be read.	<ul style="list-style-type: none"> You may not be able to play MP3 if you have copied a multi-session disc that has no data between sessions. When creating a multi-session disc, it is necessary to close the session. The amount of data on the disc is too small. Set the amount of data to greater than approximately 5 MB.
Noise is heard or no sound.	<ul style="list-style-type: none"> Noise may occur when playing MP3 if recording quality is poor. Keep this unit away from mobile telephones if the interference is apparent. Turn the volume up. Switch the unit off, check and correct the connection, then switch the unit on. Causes include straining of the speakers through excessive volume or power, and using the unit in a hot environment.
Humming heard during play.	<ul style="list-style-type: none"> An AC mains lead or fluorescent light is near the cords. Keep other appliances and cords away from this unit's cables.
A beat sound or noise is heard while receiving a radio broadcast.	<ul style="list-style-type: none"> Switch the television or other audio player off or separate it from the unit. Switch off the portable audio player if connected to "AUX" port.
A low hum or noise is heard during AM broadcasts.	<ul style="list-style-type: none"> Keep the antenna away from other cables and cords. Keep the AM antenna away from the unit.
The picture on the television near the unit disappears or stripes appear on the screen.	<ul style="list-style-type: none"> The location and orientation of the antenna are incorrect. The television antenna wire is too close to the unit. Separate the antenna wire of the television from the unit.
No response when remote control buttons are pressed.	<ul style="list-style-type: none"> Check that the batteries are inserted correctly. (⇒ page 5)

Display

"--:--"	<ul style="list-style-type: none"> You plugged the AC mains lead in for the first time and there was a power failure recently. Set the time. (⇒ page 11)
"ADJUST CLOCK"	<ul style="list-style-type: none"> Clock not set. Adjust the clock accordingly.
"ADJUST TIMER"	<ul style="list-style-type: none"> Play timer not set. Adjust the play timer accordingly.
"PGM FULL"	<ul style="list-style-type: none"> The number of programmed tracks is limited to 24. No further tracks can be programmed.
"NO PLAY"	<ul style="list-style-type: none"> A CD-ROM disc that is not CD-DA or MP3 format is inserted. It cannot be played.
"ERROR"	<ul style="list-style-type: none"> Incorrect operation performed. Read the instructions and try again.
"F61" or "F76"	<ul style="list-style-type: none"> There is a power supply problem. Consult the dealer.
"UNLOCKED"	<ul style="list-style-type: none"> Make sure the docking switch is pushed back properly.
"ILLEGAL OPEN"	<ul style="list-style-type: none"> Sliding door is not in correct position. Turn the unit off and on again.
"IPOD NO DEV"	<ul style="list-style-type: none"> The iPod device is not inserted correctly. Read the instructions and try again. (⇒ page 13)

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. Turn power back on 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.
Distorted sound 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 using remote control or main unit.	<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 13)
iPod does not charge.	<ul style="list-style-type: none">• Check all connections. (⇒ page 4, 13)

Specifications

AMPLIFIER SECTION

RMS Output Power Stereo mode

Front Ch (both ch driven)

20 W per channel (6 Ω), 1 kHz, 10 % THD

Phone jack

Terminal

Stereo, 3.5 mm jack

Output level (CD, 1 kHz, -20 dB)

max. 1.18 mW +1.18 mW, 32 Ω

Aux (Rear)

Sensitivity

Normal level 630 mV, 12.4 kΩ

High level 100 mV, 12.4 kΩ

Terminal

Stereo, 3.5 mm jack

TUNER SECTION

Preset Memory

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

522 kHz to 1629 kHz (9 kHz step)

DISC SECTION

Disc played [8 cm or 12 cm]

(1) CD-Audio (CD-DA)

(2) CD-R/RW (CD-DA, MP3)

(3) MP3*

* MPEG-1 Layer 3, MPEG-2 Layer 3

Pick up (CD)

Wavelength

795 nm

Laser power

CLASS 1

Audio Output (Disc)

Number of channels

FL, FR, 2 channel

Audio performance (CD-Audio)

Frequency response

4 Hz to 20 kHz

S/N ratio

95 dB

Dynamic range

93 dB

Total harmonic distortion

0.005 %

SPEAKER SECTION

Type

1 way, 1 speaker system (Bass reflex)

Speaker unit(s)

Full range

6.5 cm Cone type

Impedance

6 Ω

Input power (IEC)

30 W (Max)

Output sound pressure

79 dB/W (1.0m)

Frequency range

55 Hz to 25 kHz (-16 dB)

90 Hz to 22 kHz (-10 dB)

GENERAL

Power supply

AC 220 to 240 V, 50 Hz

Power consumption

28 W

Dimensions (W x H x D)

500 mm x 195 mm x 102.5 mm

(D = 69 mm minimum)

Mass

Approx. 3 kg

Operating temperature range

0 °C to +35 °C

Operating humidity range

35 % to 80 % RH (no condensation)

Power consumption in standby mode:

0.2 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.

Care of the CD lens

- Clean the lens regularly to prevent malfunctions. Use a blower to remove dust and a cotton swab if it is extremely dirty.
- Do not use the lens cleaner of the CD type.

■ Safety precautions

Placement

Set the unit up on an even surface away from direct sunlight, high temperature, 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 AC mains 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 AC mains if it is not to be used for a long time.

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.



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.

Cd

