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DCB152



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EN User manual

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**PHILIPS**

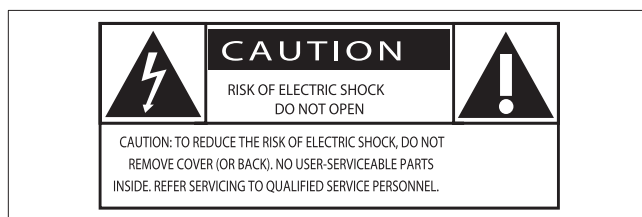
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# 1 Important

## Safety



This 'bolt of lightning' indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The 'exclamation point' calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

**WARNING:** To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

**CAUTION:** To prevent electric shock, match wide blade of plug to wide slot, fully insert.

## Important Safety Instructions

- ① Read these instructions.
- ② Keep these instructions.
- ③ Heed all warnings.
- ④ Follow all instructions.
- ⑤ Do not use this apparatus near water.
- ⑥ Clean only with dry cloth.

- ⑦ Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- ⑧ Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- ⑨ Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- ⑩ Only use attachments/accessories specified by the manufacturer.
- ⑪ Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- ⑫ Unplug this apparatus during lightning storms or when unused for long periods of time.
- ⑬ Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



- ⑭ **Battery usage CAUTION** – To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:
  - Install all batteries correctly, + and - as marked on the unit.
  - Do not mix batteries (old and new or carbon and alkaline, etc.).
  - Remove batteries when the unit is not used for a long time.

- ⑮ **Apparatus shall not be exposed to dripping or splashing.**
- ⑯ **Do not place any sources of danger on the apparatus (e.g. liquid filled objects, lighted candles).**
- ⑰ **This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: [www.eiae.org](http://www.eiae.org).**

## Safety-Important notes for users in the U.K.

### Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- ① **Remove fuse cover and fuse.**
- ② **Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.**
- ③ **Refit the fuse cover.**

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

Note: The severed plug must be disposed off to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

### How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L).

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

- Connect the blue wire to the terminal marked N or coloured black.

- Connect the brown wire to the terminal marked L or coloured red.
- Do not connect either wire to the earth terminal in the plug, marked E (or  $\perp$ ) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

### Copyright in the U.K.

Recording and playback of material may require consent. see Copyright Act 1956 and The performer's Protection Acts 1958 to 1972.



#### Warning

- Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



#### Warning

- Never remove the casing of this unit.
- Never lubricate any part of this unit.
- Place this unit on a flat, hard and stable surface.
- Never place this unit on other electrical equipment.
- Only use this unit indoors. Keep this unit away from water, moisture and liquid-filled objects.
- Keep this unit away from direct sunlight, naked flames or heat.
- Never look into the laser beam inside the unit.

## Hearing safety

### Listen at a moderate volume.

- Using headphones at a high volume can impair your hearing. This product can produce sounds in decibel ranges that may cause hearing loss for a normal person, even for exposure less than a minute. The higher decibel ranges are offered for those that may have already experienced some hearing loss.
- Sound can be deceiving. Over time your hearing 'comfort level' adapts to higher volumes of sound. So after prolonged listening, what sounds 'normal' can actually be loud and harmful to your hearing. To guard against this, set your

volume to a safe level before your hearing adapts and leave it there.

- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.
- Prolonged exposure to sound, even at normally 'safe' levels, can also cause hearing loss.
- Be sure to use your equipment reasonably and take appropriate breaks.
- Listen at reasonable volumes for reasonable periods of time.
- Be careful not to adjust the volume as your hearing adapts.
- Do not turn up the volume so high that you can't hear what's around you.
- You should use caution or temporarily discontinue use in potentially hazardous situations. Do not use headphones while operating a motorized vehicle, cycling, skateboarding, etc.; it may create a traffic hazard and is illegal in many areas.

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## Notice



This product complies with the radio interference requirements of the European Community.

This product complies with the requirements of the following directives and guidelines: 2004/108/EC + 2006/95/EC

Any changes or modifications made to this device that are not expressly approved by Philips Consumer Lifestyle may void the user's authority to operate the equipment.



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC.

Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.



Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.

### Environmental information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet.)

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.



The making of unauthorized copies of copy-protected material, including computer

programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This equipment should not be used for such purposes.

This apparatus includes this label:



ENERGY STAR and the ENERGY STAR mark are registered U.S. marks.



- The type plate is located on the bottom of the apparatus.

## 2 Your Docking Entertainment System

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at [www.philips.com/welcome](http://www.philips.com/welcome).

### Introduction

With this unit, you can:

- enjoy audio from audio discs, USB devices, iPod players and other external devices
- listen to radio stations
- listen to Digital Audio Broadcasting (DAB) radio stations

You can enrich sound output with these sound effects:

- Bass adjustment

The unit supports these media formats:

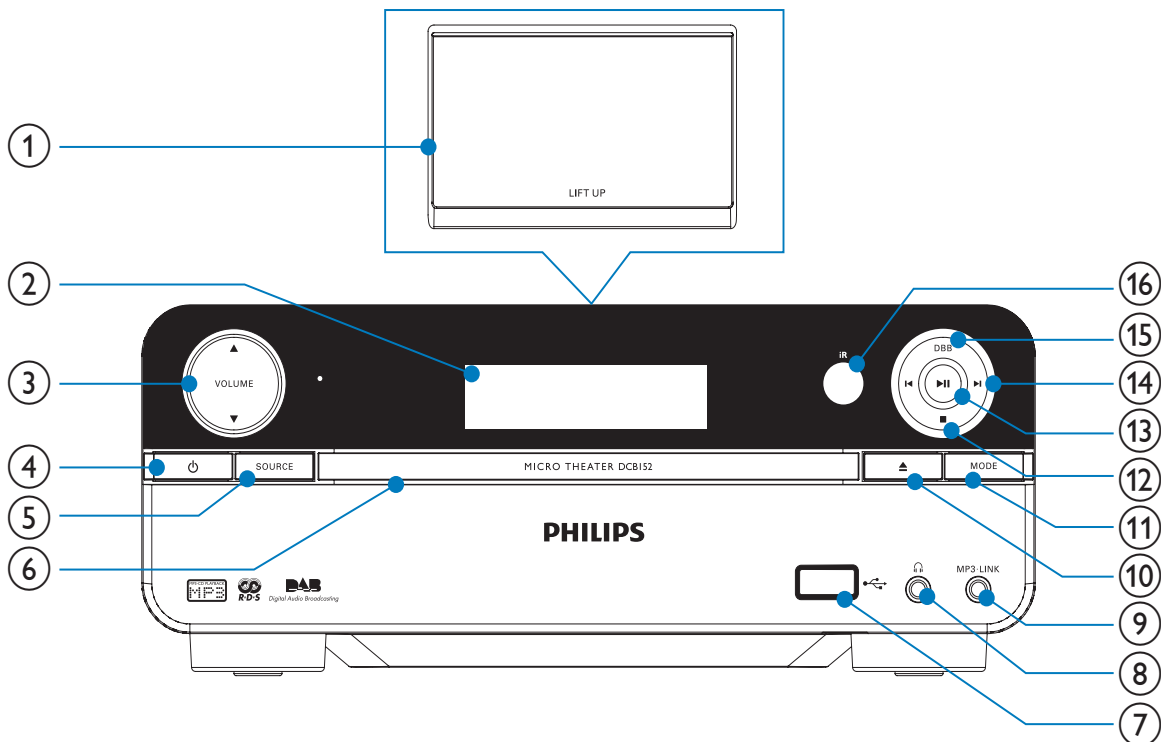


### What's in the box

Check and identify the contents of your package:

- Main unit
- 2 speaker boxes
- Remote control with battery
- DAB/FM T-type antenna
- Power cord
- MP3 link cable
- User manual
- Quick start guide

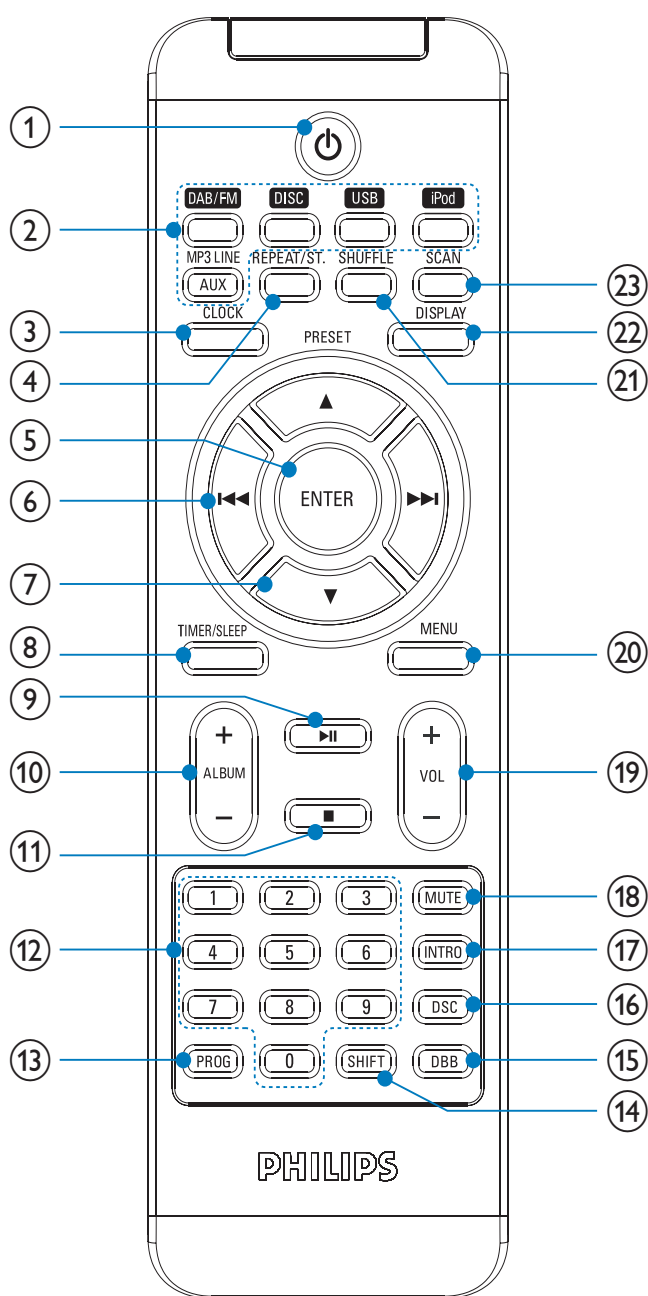
# Overview of the main unit



- |  |   |
|--|---|
| <p>① <b>LIFT UP</b></p> <ul style="list-style-type: none"> <li>• Lift up to expose the dock for iPod.</li> </ul> <p>② <b>Display panel</b></p> <ul style="list-style-type: none"> <li>• Show current status.</li> </ul> <p>③ <b>VOLUME▲/▼</b></p> <ul style="list-style-type: none"> <li>• Adjust volume.</li> <li>• Adjust time.</li> <li>• During timer setting, select a source.</li> </ul> <p>④ <b>⏻</b></p> <ul style="list-style-type: none"> <li>• Turn on the apparatus or switch to the standby mode.</li> </ul> <p>⑤ <b>SOURCE</b></p> <ul style="list-style-type: none"> <li>• Select a source.</li> </ul> <p>⑥ <b>Disc compartment</b></p> <p>⑦ <b>🔌</b></p> <ul style="list-style-type: none"> <li>• Jack for a USB mass storage device.</li> </ul> <p>⑧ <b>🎧</b></p> <ul style="list-style-type: none"> <li>• Headphone socket.</li> </ul> <p>⑨ <b>MP3-LINK</b></p> <ul style="list-style-type: none"> <li>• Jack for an external audio device.</li> </ul> | <p>⑩ <b>⏮</b></p> <ul style="list-style-type: none"> <li>• Open or close the disc compartment.</li> </ul> <p>⑪ <b>MODE</b></p> <ul style="list-style-type: none"> <li>• Select repeat play modes.</li> </ul> <p>⑫ <b>■</b></p> <ul style="list-style-type: none"> <li>• Stop play.</li> <li>• Erase a program.</li> </ul> <p>⑬ <b>▶▶</b></p> <ul style="list-style-type: none"> <li>• Start or pause play.</li> </ul> <p>⑭ <b>⏮/▶</b></p> <ul style="list-style-type: none"> <li>• Skip to the previous/next track.</li> <li>• Select a preset radio station.</li> </ul> <p>⑮ <b>DBB</b></p> <ul style="list-style-type: none"> <li>• Turn on or off dynamic bass enhancement.</li> </ul> <p>⑯ <b>Remote control sensor</b></p> |
|--|---|



# Overview of the remote control



- ① **Power**
- Turn on the apparatus or switch to the standby mode.

- ② **Source selection keys**
- Select a source.

- ③ **CLOCK**
- Set the clock.

- ④ **REPEAT/ST.**
- Select a repeat play mode.

- Select stereo or mono sound output for an FM radio station.

- ⑤ **ENTER**
- Display DAB station information.
  - Confirm DAB station/menu selection.

- ⑥ **Fast reverse/forward**
- Skip to the previous/next track.
  - Fast reverse or fast forward within a track or disc.
  - Tune to a DAB/FM radio station.
  - Navigate through the iPod menu.

- ⑦ **PRESET ▲/▼**
- Select a preset radio station.
  - Navigate through the iPod menu.

- ⑧ **TIMER/SLEEP**
- Set the alarm timer.
  - Set the sleep timer.

- ⑨ **Play/Pause**
- Start or pause play.

- ⑩ **ALBUM +/-**
- Skip to the previous/next album.

- ⑪ **Stop**
- Stop play.
  - Erase a program.

- ⑫ **Numeric keypad**
- Select a track directly.

- ⑬ **PROG**
- Program tracks.
  - Program radio stations.

- ⑭ **SHIFT**
- Enter a 2 or 3-digit number (used together with the numeric keypad).

- ⑮ **DBB**
- Turns on or off dynamic bass enhancement.

- ⑯ **DSC**
- Select a preset sound setting.

- ⑰ **INTRO**
- Scan all tracks.



- ⑮ **MUTE**
  - Mute volume.
- ⑯ **VOL +/-**
  - Adjust volume.
- ⑰ **MENU**
  - Access the iPod menu.
  - Select DAB menu option.
- ⑱ **SHUFFLE**
  - Play tracks randomly.
- ⑳ **DISPLAY**
  - During play, select display information.
  - For selected FM radio stations: display RDS information.
- ㉑ **SCAN**
  - Scan FM/DAB radio stations.

## 3 Get started



### Caution

- Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

Always follow the instructions in this chapter in sequence.

If you contact Philips, you will be asked for the model and serial number of this apparatus. The model number and serial number are on the bottom of the apparatus. Write the numbers here:

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

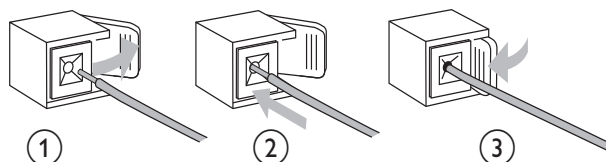
## Connect speakers



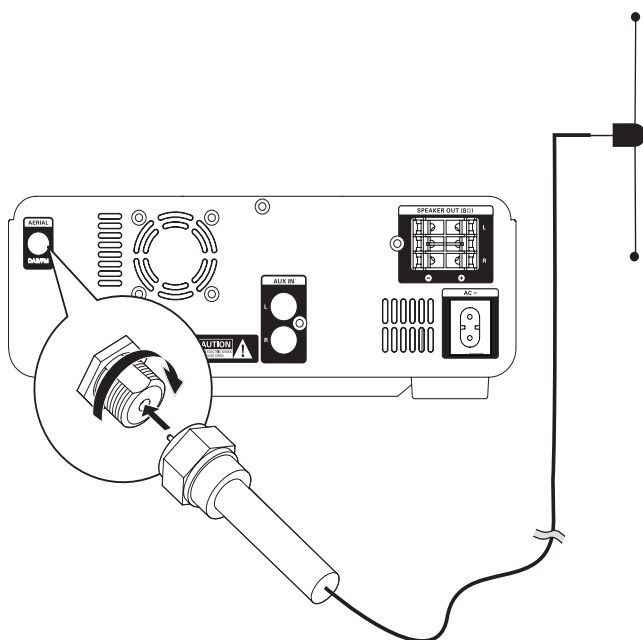
### Note

- Ensure that the colors of the speaker wires and terminals are matched.
- For optimal sound, use the supplied speakers only.
- Connect only speakers with impedance that is the same or higher than the supplied speakers. Refer to the Specifications section of this manual.

- 1 Hold down the socket flap.
- 2 Insert the stripped part of the wire completely.
  - Insert the right speaker wires to "R", left speaker wires to "L".
  - Insert the red wires to "+", black wires to "-".
- 3 Release the socket flap.



## Connect FM antenna



### Tip

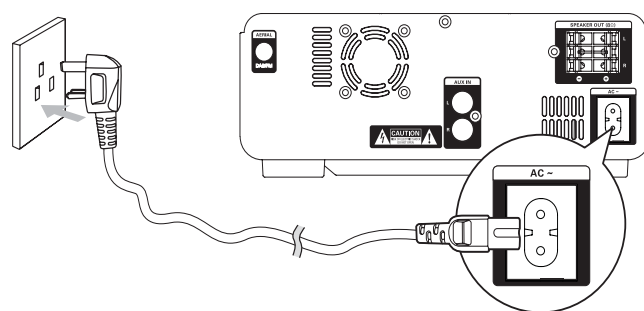
- For optimal reception, fully extend and adjust the position of the antenna.
- The unit does not support MW radio reception.

- 1 Connect the supplied DAB/FM T-type antenna to the **DAB/FM AERIAL** jack on the main unit.
- 2 To ensure firm connection, fasten the nut on the connector of the antenna.

## Connect power

### Caution

- Risk of product damage! Ensure that the power supply voltage corresponds to the voltage printed on the back or the underside of the unit.
- Risk of electric shock! When you unplug the AC power cord, always pull the plug from the socket. Never pull the cord.
- Before you connect the AC power cord, ensure that you have completed all other connections.



- 1 Connect the power cord to the **AC~** jack on the main unit.
- 2 Connect the power plug to the wall outlet.

### Tip

- After power connection, the system enters the standby mode. If the system remains in the standby mode for more than 15 minutes, it switches to the Eco Power mode automatically.

## Prepare the remote control

### Caution

- Risk of explosion! Keep batteries away from heat, sunshine or fire. Never discard batteries in fire.

### For first-time use:

- 1 Remove the protective tab to activate the remote control battery.
- 2 Open the battery compartment.
- 3 Insert one lithium CR2025 battery with correct polarity (+/-) as indicated.
- 4 Close the battery compartment.

### Note

- Before you press any function button on the remote control, first select the correct source with the remote control instead of the main unit.

## Set clock

- 1 In the standby mode, press and hold **CLOCK** to activate the clock setting mode.
  - ↳ The hour digits are displayed and begin to blink.
- 2 Press **+ VOL -** to set the hour, then press **CLOCK** again.
  - ↳ The minute digits are displayed and begin to blink.
- 3 Press **+ VOL -** to set the minute.
- 4 Press **CLOCK** to confirm the clock setting.

## Turn on

- 1 Press **⏻**.
  - ↳ The unit switches to the last selected source.

## Switch to standby

- 1 Press **⏻** to switch the unit to standby mode.
  - ↳ The backlight on the display panel is reduced.
  - ↳ The clock (if set) appears on the display panel.



### Tip

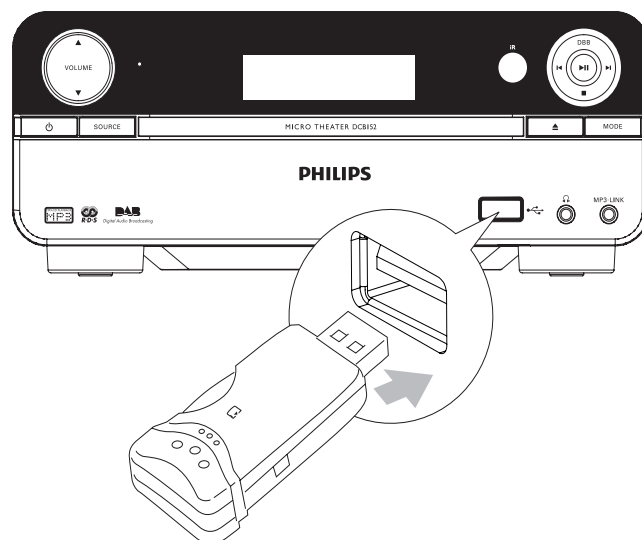
- If the system remains in the standby mode for more than 90 seconds, it switches to the Eco Power mode automatically.

# 4 Play disc/USB

## Play from disc


- 1 Press **DISC** to select the disc source.
- 2 Press **▲** on the front panel.
  - ↳ The disc tray opens.
- 3 Place a disc onto the tray and press **▲**.
  - ↳ Ensure that the label faces upwards.
- 4 Play starts automatically.
  - If play does not start, press **◀◀/▶▶** to select a track and then press **▶||**.

## Play from USB



### Note

- Ensure that the USB device contains playable music.

- 1 Insert the USB plug of a USB device into the  socket.
- 2 Press **USB** to select the USB source.
  - ↳ Play starts automatically.

### If play does not start automatically:

- 1 Press **ALBUM +/-** to select a folder.
- 2 Press **◀◀/▶▶** to select a file.
- 3 Press **▶||** to start play.

## 5 Control play

### Skip to a track

For CD:

- 1 Press **⏮/⏭** to select another track.
  - To select a track directly, you can also press a key on the numerical keypad.



Tip

- To enter a 2 or 3-digit number, press **SHIFT**, then enter the number.

For MP3 disc and USB:

- 1 Press **ALBUM +/-** to select an album or folder.
- 2 Press **⏮/⏭** to select a track or file.

### Pause/resume play

- 1 During play, press **⏸** to pause/resume play.

### Search within a track

- 1 During play, press and hold **⏮/⏭**.
- 2 Release to resume normal play.

## Display play information

For CD:

- 1 Press **DISPLAY** repeatedly to see the following information.
  - ↳ The track number and remaining play time of the current track
  - ↳ The track number and total remaining play time
  - ↳ The track number and elapsed play time of the current track
- 2 Press **DISPLAY** to display ID3 information (if available).

### Repeat play

- 1 During play, press **REPEAT/ST.** repeatedly to select:
  - ↳ **[REP ONE]** (repeat one): play the current track repeatedly.
  - ↳ **[REP ALL]** (repeat all): play all tracks repeatedly.
- 2 To return to normal play, press **REPEAT/ST.** until the selected function is no longer displayed.

### Random play

- 1 Press **SHUFFLE**.
  - ↳ All tracks are played randomly.
- 2 To return to normal play, press **SHUFFLE** again.



Tip

- The repeat and shuffle functions cannot be activated at the same time.

---

## Program tracks

You can program a maximum of 20 tracks.

- 1 At the stop position, press **PROG** to activate the programming mode.  
↳ A track number flashes.
- 2 Press **◀◀/▶▶** to select a track number to program, then press **PROG** to confirm.
  - To select a track in an MP3 disc or USB device, first press **ALBUM +/-** to select the album where the track is located.
  - **[P-01]** is displayed, where “01” is the next position in the program.
- 3 Repeat steps 2 to 3 to select and store all tracks to program.
- 4 Press **▶||** to play the programmed tracks.  
↳ **[PROG]** (program) is displayed.  
↳ To erase the program, press **■**.

## 6 Play iPod

You can enjoy audio from iPod through this unit.

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### Compatible iPod

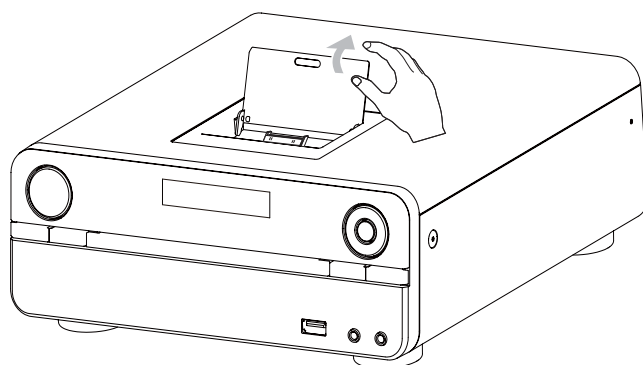
Apple iPod models with a 30-pin dock connector:

- iPod classic
- iPod touch
- iPod nano 1G/2G/3G/4G/5G
- iPod 5th generation

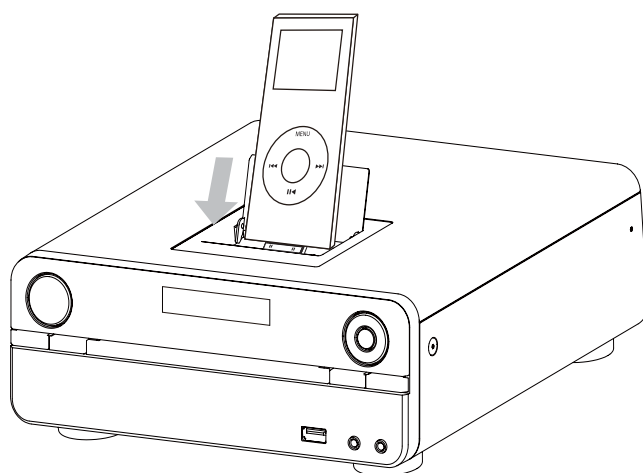
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### Listen to an iPhone/iPod through this unit

- 1 Lift up the cover to expose the iPod dock on the top panel.



- 2 Place the iPod in the dock.



- 3 Press **iPod** to select the iPod source.  
 ↳ The connected iPod plays automatically.

- To pause/resume play, press **▶||**.
- To skip to a track, press **◀◀/▶▶**.
- To search during play: press and hold **◀◀/▶▶**, then release to resume normal play.
- To navigate the menu: press **MENU**, then press **▲/▼** to select, and press **ENTER** to confirm.

---

## Charge the iPod

The docked iPod begins to charge as soon as the unit is connected to AC power.

---

## Remove the iPod

- 1 Pull the iPod out of the dock.

# Tune to FM radio stations

- 1 Ensure that you have connected and fully extended the supplied DAB/FM antenna.
- 2 Press **DAB/FM** repeatedly to select the FM source.
- 3 Press and hold **◀◀/▶▶**.
- 4 When the frequency starts to change, release the button.  
 ↳ The FM tuner tunes to a station with strong reception automatically.
- 5 Repeat steps 3-4 to tune to more stations.

To tune to a weak station:

---

## Program radio stations automatically



### Note

- You can program a maximum of 20 preset radio stations.

- 1 Press **PRESET▲/▼** to select a preset number to start programming.
- 2 Press **SCAN** to activate automatic programming.
  - ↳ **[FM Searching...]** (FM searching) appears.
  - ↳ All available stations are programmed in the order of waveband reception strength.
  - ↳ The first programed radio station is played automatically.

---

## Program radio stations manually

### Note

- You can program a maximum of 20 preset radio stations.

- 1 Tune to a radio station.
- 2 Press **PROG** to activate programming.
- 3 Press **PRESET▲/▼** to allocate a number from 1 to 20 to this radio station, then press **PROG** to confirm.
  - ↳ The preset number and the frequency of the preset station are displayed.
- 4 Repeat the above steps to program other stations.

### Note

- To overwrite a programmed station, store another station in its place.

---

## Tune to a preset radio station

- 1 Press **PRESET▲/▼** to select a preset number that you want.

### Tip

- You can also use the numerical keypad to select a preset station directly.
- To enter a 2 or 3-digit number, press **SHIFT**, then enter the number.

---

## Show RDS information

RDS (Radio Data System) is a service that allows FM stations to show additional information. If you tune to a RDS station, the station name is displayed.

- 1 Tune to a RDS station.
- 2 Press **DISPLAY** repeatedly to scroll through the following information (if available):
  - ↳ Station name
  - ↳ Program type such as **[NEWS]** (news), **[SPORT]** (sport), **[POP M]** (pop music)...
  - ↳ RDS clock

### Note

- See "Product information - RDS program types" for definitions of RDS program types.

---

## Set RDS clock

You can use time signal broadcast together with the RDS signal to set the clock of the unit.

- 1 Tune to a RDS radio station that transmits time signals.
- 2 Press and hold **DISPLAY**.
  - ↳ 'CLK Sync' is displayed.

### Note

- The accuracy of the transmitted time depends on the RDS station that transmits the time signal.



## 8 Listen to DAB radio

### Tune to DAB radio

When you enter the DAB mode for the first time, the unit automatically scans DAB radio stations. Then all the available DAB stations are stored in the unit, and the radio tunes to the first available station.

- 1 Press **DAB/FM** repeatedly to select DAB radio.
    - ↳ A bar that indicates the progress of the search appears.
    - ↳ The number of stations found increases during the scan progress.
  - (A) When the scan is completed, the stations are listed in the numerical then the alphabetic order.
    - ↳ The unit tunes to the first available station.
  - (B) If there is no DAB coverage currently available
    - ↳ "Station not available" is displayed.
- ① Change the location or adjust the antenna.
  - ② Press **SCAN** to scan again.

### Change DAB station

- 1 In the DAB mode, press **◀◀/▶▶** repeatedly until the name of the station you want is displayed.
- 2 Press **ENTER** to confirm the selection.
  - ↳ The unit tunes to the selected station immediately.

### Scan DAB radio stations

New stations and services are regularly added to DAB broadcast. To make new DAB stations and service available on your DAB radio, a full scan is needed.

- 1 In the DAB mode, press **SCAN** to perform a full scan (wide range) for DAB stations.

### Display station information

- 1 Tune to a DAB radio station.
- 2 Press **DISPLAY** repeatedly to scroll through the following information (if available):
  - ↳ Dynamic label segment (DLS)
  - ↳ Program type (PTY)
  - ↳ Ensemble Name
  - ↳ Channel and frequency
  - ↳ Signal error rate
  - ↳ Bit rate and audio status
  - ↳ Time/date

### Store DAB stations manually

You can store a maximum of 20 preset DAB radio stations.

- 1 Tune to your desired DAB station.
- 2 Press **PROG** briefly to activate programming.
- 3 Press **PRESET▲/▼** to allocate a number (1-20) for the preset.
- 4 Press **PROG** to confirm.
  - ↳ "PRESET X saved" is displayed briefly on the second line of the display, and the stored preset number will be displayed.

## Note

- To overwrite a preset station, store another station in its place.

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## Select a preset DAB radio station

- 1 Press **DAB/FM** repeatedly to select DAB radio.
- 2 Press **PRESET▲/▼** or the numeric keypads to select a preset number.

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## Use DAB menu

- 1 In the DAB mode, press **MENU** to enter the DAB menu.
- 2 Press **◀▶** to scroll the menu options:
  - **[Manual tune]**
  - **[Auto scan full]**
  - **[DRC value]** (dynamic range control)
  - **[Factory reset]**
  - **[Sw version]**
- 3 To select an option, press **ENTER**.
- 4 Repeat step 2-3 if sub-option is available under one option.

### Manual tune

with this feature, you can tune to a specific channel/frequency manually. In addition to antenna orientation for better radio reception, the optimal reception can also be obtained with this feature.

- 1 In the DAB mode, press **MENU** to display the "Manual tune" option.
- 2 Press **ENTER** to confirm the selection.  
↳ The display shows a channel and its frequency.
- 3 Press **◀▶** repeatedly until the desired channel/frequency appears.

- 4 Press **ENTER** to confirm the selection.

## Tip

- You may press **DISPLAY** to change the service information on the display.
- You may adjust the position of the antenna to obtain the optimal signal strength.

### Full scan

Full scan is used to perform a wide range of DAB radio search (outside UK).

- 1 In the DAB mode, press to enter the menu options.
- 2 Press **◀▶** repeatedly until **Auto scan full** is displayed.
- 3 Press **ENTER** to confirm the selection.  
↳ Full scan starts automatically.

### DRC value

Dynamic range control (DRC) adds or removes a degree of compensation for the differences in the dynamic range between radio stations.

- **[DRC HIGH]** (DRC is switched on; the default setting recommended for noisy environment.)
- **[DRC LOW]** (DRC is set to half normal level.)
- **[DRC OFF]** (DRC is switched off.)

## 9 Adjust sound

### Adjust volume

- 1 During play, press **VOL +/-** to increase/decrease the volume.

### Select a preset sound effect

- 1 During play, press **DSC** repeatedly to select:
  - **[ROCK]** (rock)
  - **[CLASSIC]** (jazz)
  - **[POP]** (pop)
  - **[CLASSIC]** (classic)
  - **[FLAT]** (flat).

### Enhance bass

- 1 During play, press **DBB** to enable/disable bass enhancement.

### Mute sound

- 1 During play, press **MUTE** to mute/unmute sound.

## 10 Other features

### Set the alarm timer

- 1 Ensure that you have set the clock correctly.
- 2 In the standby mode, press and hold **TIMER/SLEEP**.
- 3 Press **+ VOL -** to select a source, then press **TIMER/SLEEP** to confirm.
  - ↳ The hour digits are displayed and begin to blink.
- 4 Press **+ VOL -** to set the hour, then press **TIMER/SLEEP** again.
  - ↳ The minute digits are displayed and begin to blink.
- 5 Press **+ VOL -** to set the minute.
- 6 Press **TIMER/SLEEP** to confirm.
  - ↳ **[ON]** (on) is displayed.
  - ↳ The unit turns on automatically at the set time and switches to the last selected source.

#### To deactivate the wake-up timer

- 1 Press **TIMER/SLEEP** again.
  - ↳ **[ON]** (on) is no longer displayed.

### Set the sleep timer

- 1 When the unit is turned on, press **SLEEP/TIMER** repeatedly to select a set period of time (in minutes).
  - ↳ The unit turns off automatically after the set period of time.

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## Listen to an external device

You can also listen to an external audio device through this unit.

- 1 Press **AUX/MP3 LINK** to select the MP3 link source.
- 2 Connect the supplied MP3 link cable to:
  - the **MP3 LINK** jack on this unit
  - the headphone jack on the device
- 3 Start to play the device. (See the device user manual)

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## Listen to an audio player

You can listen to audio player through this unit.

- 1 Connect the audio player.
  - For audio players with red/white audio output sockets:  
Connect a red/white audio cable (not supplied) to the **AUX-IN** sockets and to the audio output sockets on the audio player.
  - For audio players with headphone sockets:  
Connect the supplied MP3 Link cable to the **MP3 LINK** socket and to the headphone socket on the audio player.
- 2 Select the MP3 Link/AUX source.
- 3 Start play on the audio player.

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## Listen through headphone

- 1 Plug a headphone into the  socket on the unit.

# 11 Product information



### Note

- Product information is subject to change without prior notice.

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## Specifications

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### Amplifier

Rated Output Power	2X20W RMS
Frequency Response	20 -20000 Hz, -3dB
Signal to Noise Ratio	>77dB
Aux Input	0.5 V RMS 20kohm

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### Disc

Laser Type	Semiconductor
Disc Diameter	12cm/8cm
Support Disc	CD-DA, CD-R, CD-RW, MP3-CD, WMA-CD
Audio DAC	24Bits / 44.1kHz
Total Harmonic Distortion	<0.8% (1 kHz)
Frequency Response	4Hz - 20kHz (44.1kHz)
S/N Ratio	>77dBA

## Tuner

Tuning Range	FM: 87.5 - 108MHz DAB: 174.92 - 239.20 MHz
Tuning grid	50 KHz
Sensitivity	
- Mono, 26dB S/N Ratio	<22 dBf
- Stereo, 46dB S/N Ratio	>43 dBf
Search Selectivity	>28 dBf
Total Harmonic Distortion	<2%
Signal to Noise Ratio	>55 dB

## Speakers

Speaker Impedance	8 ohm
Speaker Driver	4"
Sensitivity	>86dB/m/W

## General information

AC power	230V, 50Hz
Operation Power Consumption	30W
Standby Power Consumption	<4W
Eco Standby Power Consumption	<1W
USB Direct	Version 2.0 FS
Dimensions	
- Main Unit (W x H x D)	224 x 89 x 242 mm
- Speaker Box (W x H x D)	150 x 250 x 209 mm
Weight	
- With Packing	7.56 kg
- Main Unit	1.78 kg
- Speaker Box	2 x 1.9 kg

## USB playability information

### Compatible USB devices:

- USB flash memory (USB 2.0 or USB1.1)
- USB flash players (USB 2.0 or USB1.1)
- memory cards (requires an additional card reader to work with this unit)

### Supported formats:

- USB or memory file format FAT12, FAT16, FAT32 (sector size: 512 bytes)
- MP3 bit rate (data rate): 32-320 Kbps and variable bit rate
- WMA v9 or earlier
- Directory nesting up to a maximum of 8 levels
- Number of albums/ folders: maximum 99
- Number of tracks/titles: maximum 999
- ID3 tag v2.0 or later
- File name in Unicode UTF8 (maximum length: 128 bytes)

### Unsupported formats:

- Empty albums: an empty album is an album that does not contain MP3/WMA files, and is not be shown in the display.
- Unsupported file formats are skipped. For example, Word documents (.doc) or MP3 files with extension .dlf are ignored and not played.
- AAC, WAV, PCM audio files
- DRM protected WMA files (.wav, .m4a, .m4p, .mp4, .aac)
- WMA files in Lossless format

## Supported MP3 disc formats

- ISO9660, Joliet
- Maximum title number: 512 (depending on file name length)
- Maximum album number: 255
- Supported sampling frequencies: 32 kHz, 44.1kHz, 48 kHz
- Supported Bit-rates: 32~256 (kbps), variable bit rates

## RDS program types

NO TYPE	No RDS programme type
NEWS	News services
AFFAIRS	Politics and current affairs
INFO	Special information programs
SPORT	Sports
EDUCATE	Education and advanced training
DRAMA	Radio plays and literature
CULTURE	Culture, religion and society
SCIENCE	Science
VARIED	Entertainment programs
POP M	Pop music
ROCK M	Rock music
MOR M	Light music
LIGHT M	Light classical music
CLASSICS	Classical music
OTHER M	Special music programs
WEATHER	Weather
FINANCE	Finance
CHILDREN	Children's programs
SOCIAL	Social Affairs
RELIGION	Religion
PHONE IN	Phone In
TRAVEL	Travel
LEISURE	Leisure
JAZZ	Jazz Music
COUNTRY	Country Music
NATION M	National Music
OLDIES	Oldies Music
FOLK M	Folk Music
DOCUMENT	Documentary
TES	Alarm Test
ALARM	Alarm

## 12 Troubleshooting



### Warning

- Never remove the casing of this apparatus.

To keep the warranty valid, never try to repair the system yourself.

If you encounter problems when using this apparatus, check the following points before requesting service. If the problem remains unsolved, go to the Philips web site ([www.philips.com/welcome](http://www.philips.com/welcome)). When you contact Philips, ensure that the apparatus is nearby and the model number and serial number are available.

### No power

- Ensure that the AC power cord of the unit is connected properly.
- Ensure that there is power at the AC outlet.
- As a power-saving feature, the system switches off automatically 15 minutes after track play reaches the end and no control is operated.

### No sound or poor sound

- Adjust the volume.
- Disconnect the headphones.
- Check that the speakers are connected correctly.
- Check if the stripped speaker wires are clamped.

### No response from the unit

- Disconnect and reconnect the AC power plug, then turn on the unit again.
- As a power-saving feature, the system switches off automatically 15 minutes after track play reaches the end and no control is operated.

### Remote control does not work

- Before you press any function button, first select the correct source with the remote control instead of the main unit.

- Reduce the distance between the remote control and the unit.
- Insert the battery with its polarities (+/– signs) aligned as indicated.
- Replace the battery.
- Aim the remote control directly at the sensor on the front of the unit.

#### **No disc detected**

- Insert a disc.
- Check if the disc is inserted upside down.
- Wait until the moisture condensation at the lens has cleared.
- Replace or clean the disc.
- Use a finalized CD or correct format disc.

#### **Cannot display some files in USB device**

- The number of folders or files in the USB device has exceeded a certain limit. This phenomenon is not a malfunction.
- The formats of these files are not supported.

#### **USB device not supported**

The USB device is incompatible with the unit.  
Try another one.

#### **Poor radio reception**

- Increase the distance between the unit and your TV or VCR.
- Fully extend the DAB/FM antenna.

#### **Timer does not work**

- Set the clock correctly.
- Switch on the timer.

#### **Clock/timer setting erased**

- Power has been interrupted or the power cord has been disconnected.
- Reset the clock/timer.



