

Register your product and get support at
www.philips.com/welcome

HTR3465



EN	Digital AV Receiver System	5
ZH_CN	数字 AV 接收器系统	25
ZH_TW	數位影音接收系統	45
MS_MY	Sistem Penerima AV Digital	65

PHILIPS

部件名称 Name of the Parts	有毒有害物质或元素 Hazardous/Toxic Substance					
	铅 (Pb, Lead)	汞 (Hg, Mercury)	镉 (Cd, Cadmium)	六价铬 (Chromium 6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
Housing 外壳	O	O	O	O	O	O
DVD loader DVD 光盒	X	O	O	O	O	O
Subwoofer 超重低音箱	X	O	O	O	O	O
Loudspeakers 喇叭单元	O	O	O	O	O	O
PWBs 电路板组件	X	O	O	O	O	O
Accessories (Remote control & cables) 附件（遥控器， 电源线，连接线）	X	O	O	O	O	O
Batteries in Remote Control (ZnC) 遥控器电池	X	O	O	O	O	O

○：表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363 - 2006 标准规定的限量要求以下。
O: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363 - 2006.

×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363 - 2006 标准规定的限量要求。
X: Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363 - 2006.



环保使用期限 Environmental Protection Use Period

此标识指期限（十年），电子信息产品中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变，用户使用该电子信息产品不会对环境造成严重污染或对其人身、财产造成严重损害的期限。

This logo refers to the period (10 years) during which the toxic or hazardous substances or elements contained in electronic information products will not leak or mutate so that the use of these [substances or elements] will not result in any severe environmental pollution, any bodily injury or damage to any assets.

电池标识 Battery labeling logo



环保使用期限 Environmental Protection Use Period

此标识指期限（五年），电池中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变，用户使用该电池产品不会对环境造成严重污染或对其人身、财产造成严重损害的期限。

This logo refers to the period (5 years) during which the toxic or hazardous substances or elements contained in the **battery** will not leak or mutate so that the use of these [substances or elements] will not result in any severe environmental pollution, any bodily injury or damage to any assets.



Manufactured under license from Dolby Laboratories. Dolby, Pro Logic and the double-D symbol are trademarks of Dolby Laboratories.



Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and DTS Digital Surround are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All Rights Reserved.



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

Contents

1 Important	6
Safety and important notice	6
2 Your product	7
Features highlight	7
Product overview	8
3 Connect	11
Place the unit	11
Connect speakers and subwoofer	12
Connect radio antenna	12
Connect other devices	13
Connect to power outlet	14
4 Get started	15
Prepare the remote control	15
Change speakers settings	15
Select a play source	16
5 Play	17
Play from portable media player	17
Play from radio	17
Enjoy music through headphone	19
Use sleep timer to power off	19

6 Adjust sound	20
Control the volume	20
Sync audio output with video play	20
Select surround sound	20
Select a preset sound effect	21
7 Additional information	22
Specifications	22
8 Troubleshooting	23
9 Glossary	24

English

Contents

1 Important

Safety and important notice



Warning!

Risk of fire or electric shock!

- Ensure that air can circulate freely through the ventilation holes on this unit. Allow at least 5~10 cm clearance around the unit.
- Never expose this unit to direct sunlight, naked flames or heat.
- Never place this unit on other electrical equipment.
- Keep away from this unit during lightning storms.
- Never remove the casing of this unit. Please leave all maintenance work to qualified personnel.
- Keep this unit away from water, moisture and liquid-filled objects.



Caution!

- Remove batteries if they are exhausted or if the remote control is not to be used for a long time.
- Do not mix batteries (old and new or carbon and alkaline, etc.).
- Batteries contain chemical substances, they should be disposed of properly.
- Visible and invisible laser radiation when open. Avoid exposure to beam.
- Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



This product complies with the radio interference requirements of the European Community. This product complies with the requirements of the following directives and guidelines: 2006/95/EC, 2004/108/EC.

Recycle notice



Your product is designed and manufactured with highly quality material and components, which can be recycled and reused. When this crossed-out wheeled bin symbol is attached to a product, it means 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 your old products with your normal household waste. The correct disposal of your old product will help to prevent potential negative consequences for the environment and human health.



Be responsible
Respect copyrights

2 Your product

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.

This Digital AV Receiver is designed to complement your home perfectly. Enjoy the Digital AV Receiver with multi-channel surround sound.

Features highlight

MP3 link

Simply plug your portable media player to the MP3 LINK socket to enjoy the music play in superb sound quality.

Listen to rich uncompressed multi-channel surround sound

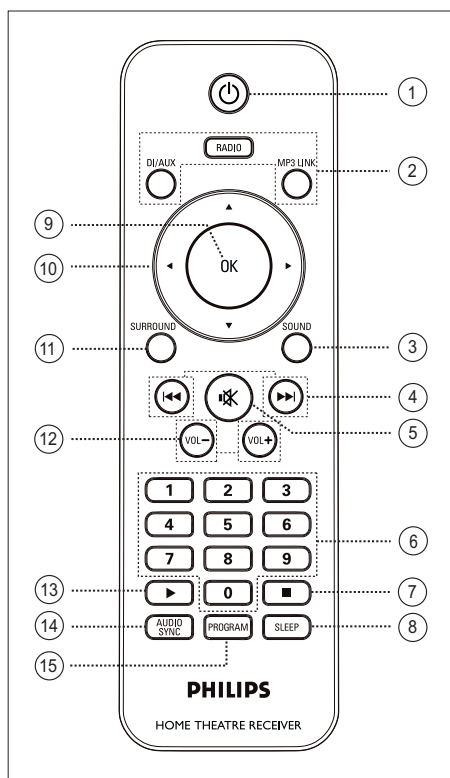
This Digital AV Receiver supports 5.1 channels of uncompressed audio, which realises real-to-life sound and makes you feel that you are really there.

Sync the audio output with the video play

This Digital AV Receiver provides you the feature of delaying the audio output if the video signals that go directly to the TV is slower than the audio streams.

Product overview

Remote control



① Power

- Turn on this unit or turn off to standby mode.

② Source buttons

- **RADIO:** switch to FM band.
- **DI/AUX:** switch to COAX IN1, COAX IN2, OPTI IN, AUX1 or AUX2 that corresponds to the socket you used to connect the external device.
- **MP3 LINK:** switch to the MP3 device that is connected to the MP3 LINK socket.

③ SOUND

- Select a predefined sound effect.

④ ◀◀ / ▶▶ (Previous/Next)

- **RADIO:** select a preset radio station.

⑤ 🔇 (Mute)

- Mute or restore the volume.

⑥ Numeric buttons

- Enter the preset number of a radio station.

⑦ ■ (Stop)

- **RADIO:** erase the current preset radio station.

⑧ SLEEP

- Select a preset timer to turn off this unit to standby mode.

⑨ OK

- Confirm an entry or selection.

⑩ Cursor buttons (▲▼◀▶)

- **RADIO:** press up or down to tune the radio frequency.
- **RADIO:** press left or right to start auto search.

⑪ SURROUND

- Switch audio output to multi-channel surround, stereo or party mode.

⑫ VOL + / —

- Adjust the volume level.

⑬ ► (Play)

- **RADIO:** start auto radio installation (only available for first time setup).

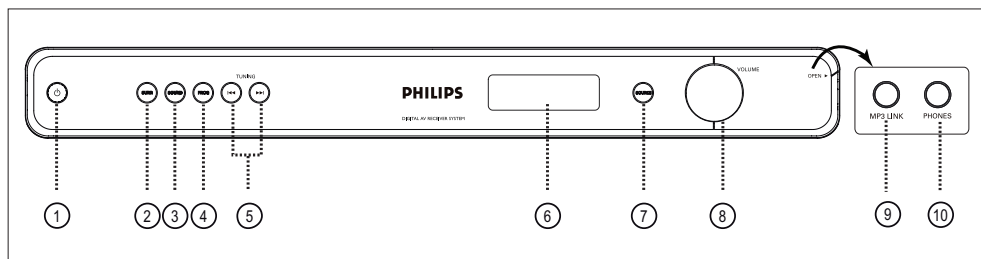
⑭ AUDIO SYNC

- Access audio sync setting. Then press **VOL + / —** to set the audio delay time.

⑮ PROGRAM

- **RADIO:** press this button to start manual radio preset.
- **RADIO:** press and hold this button to start automatic radio preset.

Main unit



①

- Turn on this unit or turn off to standby mode.

② **SURR**

- Switch audio output to multi-channel surround, stereo or party mode.

③ **SOUND**

- Select a predefined sound effect.

④ **PROG**

- **RADIO**: press this button to start manual radio preset.
- **RADIO**: press and hold this button to start automatic radio preset.

⑤ **TUNING**

- **RADIO**: press to select a preset radio station.
- **RADIO**: press and hold to start auto search.

⑥ **Display panel**

⑦ **SOURCE**

- Select a play media: COAX IN1, COAX IN2, OPTI IN, AUX1, AUX2, RADIO (FM) or MP3 LINK.

⑧ **VOLUME**

- Adjust the volume level.



Note

- The following sockets are under the flap at the right corner of the main unit (**OPEN ►**).

⑨ **MP3 LINK socket**

- To connect portable audio player.

⑩ **PHONES**

- To connect headphone.

3 Connect

This section describes the basic connections required for this Digital AV Receiver unit before it can be used.

Basic connections:

- Place the unit
- Connect speakers and subwoofer
- Connect radio antenna
- Connect to power outlet

Optional connections:

- Connect other devices
 - Connect audio from TV
 - Connect audio from DVD player/cable box/recorder/game console
 - Connect portable media player

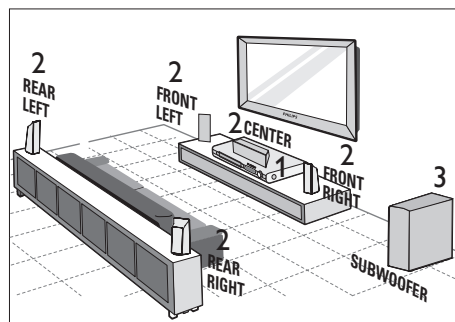


Note

- Refer to the type plate at the rear or bottom of the product for identification and supply ratings.
- Before you make or change any connections, ensure that all the devices are disconnected from the power outlet.

Place the unit

- Never place this unit in an enclosed cabinet.
- Install this unit near the AC outlet where the AC power plug can be easily reached.



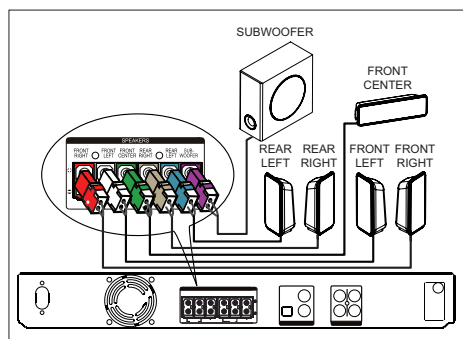
- 1 Place this Digital AV Receiver unit near to the TV.
- 2 Place the speakers system as per the diagram shown above.
 - Find the most suitable placement for the speakers based on your room layout and set up to ensure optimum sound performance.
- 3 Place the subwoofer at the corner of the room or at least one metre away from the TV.



Note

- Rear speakers are labelled as REAR LEFT and REAR RIGHT.
- Front speakers are labelled as FRONT LEFT and FRONT RIGHT.
- To avoid magnetic interference or unwanted noise, never place the speakers too close to the TV or any radiation devices.

Connect speakers and subwoofer

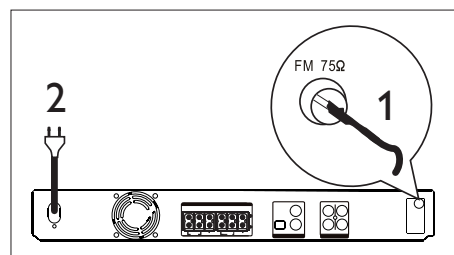


- 1 Connect the speakers and subwoofer to the matching sockets on this unit.

Note

- Ensure that the colours of the plugs and sockets are matched.

Connect radio antenna



- 1 Connect the FM antenna (supplied) to the **FM75Ω** socket on this unit (for some models, this cable has been connected). Extend the FM antenna and fix its ends to the wall.
- 2 Connect the power cord when all the required connections are done and you are ready to enjoy this Digital AV Receiver.

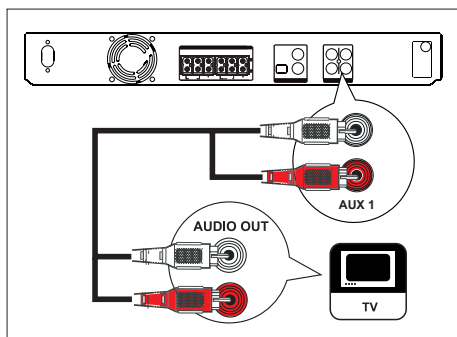
Note

- Before connect to power outlet, ensure that the voltage selector (at the rear of this unit) is set to the local power line voltage.

Connect other devices

This section describes how you can route the sound from other devices to this Digital AV Receiver unit in order to enjoy sound output or audio play with multi-channel surround capabilities.

Connect audio from TV



- 1 Connect an audio cable (supplied) from the **AUDIO IN-AUX1** sockets on this unit to the **AUDIO OUT** sockets on your TV.



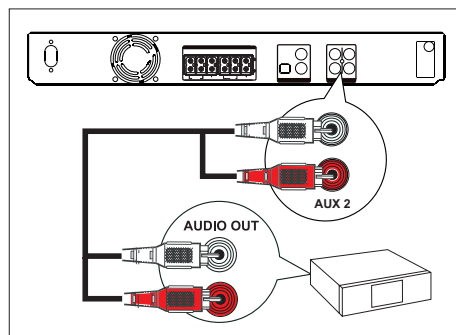
Note

- To listen to the audio output from this connection, press **DI/AUX** repeatedly until 'AUX1' is displayed on the display panel.

Connect audio from DVD player/ cable box/recorder/game console

You can choose to connect to analogue or digital socket depending on the device capabilities.

Connect to analogue sockets



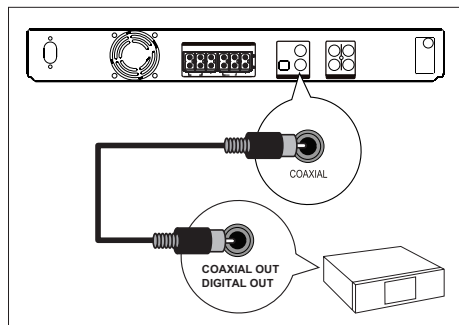
- 1 Connect an audio cable (supplied) from the **AUDIO IN-AUX2** sockets on this unit to the **AUDIO OUT** sockets on the device.



Note

- To listen to the audio output from this connection, press **DI/AUX** repeatedly until 'AUX2' is displayed on the display panel.

Connect to digital socket



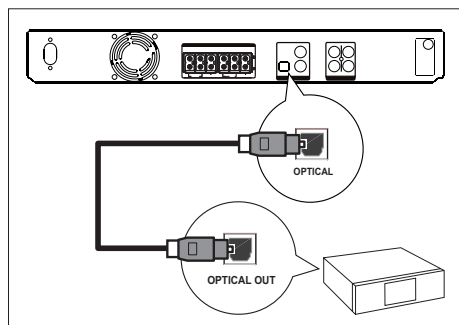
- 1 Connect a coaxial cable (supplied) from the **DIGITAL IN-COAXIAL** socket on this unit to the **COAXIAL/DIGITAL OUT** socket on the device.



Note

- To listen to the audio output from this connection, press **DI/AUX** repeatedly until 'COAX IN1' or 'COAX IN2' is displayed on the display panel.

Connect to optical socket



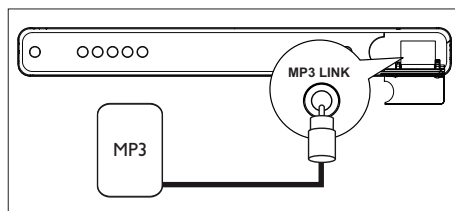
- 1 Connect a fibre optic cable (not supplied) from the **DIGITAL IN-OPTICAL** socket on this unit to the **OPTICAL/DIGITAL OUT** socket on the device.



Note

- To listen to the audio output from this connection, press **DI/AUX** repeatedly until 'OPTI IN' is displayed on the display panel.

Connect portable media player



- 1 Connect a 3.5mm stereo audio cable (supplied) from the **MP3 LINK** socket on this unit to the phone socket on your portable media player (such as MP3 player).



Note

- To listen to the audio output from this connection, press **MP3 LINK**.

Connect to power outlet



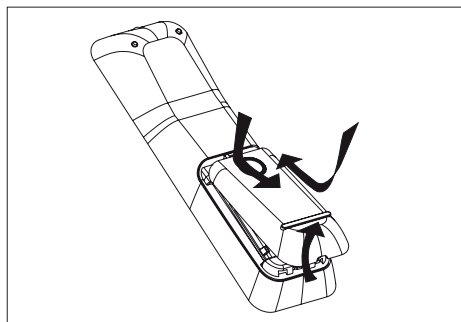
Note

- Before connect to power outlet, ensure that the voltage selector (at the rear of this unit) is set to the local power line voltage.

- 1 Connect the power cord from the Digital AV Receiver unit and other devices to the power outlets when all the required connections are done.

4 Get started

Prepare the remote control



- 1 Push to open the battery compartment cover.
- 2 Insert two batteries type R03 or AAA. Match the indications (+ -) inside the battery compartment.
- 3 Close the cover.

Note

- If you are not going to use the remote control for a long time, remove the batteries.

Control a play source

- 1 Select the source you wish to control by pressing the **RADIO, DI/AUX** or **MP3 LINK** button.
- 2 Then select the desired function (for example **◀▶**, **▶▶**).

Change speakers settings

Ideally the distance between listening position and all the speakers should be the same. If not, change the speaker settings based on their distance from the listening position in order to obtain the best possible surround sound.

Note

- Switch the Digital AV Receiver to surround mode before you can change the speakers settings.

Test and set the speaker volume level

- 1 Press **SURROUND** to switch to multi-channel surround mode.
- 2 Press **PROGRAM** to access speaker setting mode.
- 3 Press **◀▶** / **▶▶** until 'TEST TONE' is displayed, then press **PROGRAM**.
 - ↳ Sound output from each speaker for 2 seconds. You can hear the volume level set for each speaker.
- 4 While sound output from the speaker, you can change its volume level by pressing the **VOL + / -**, then press **PROGRAM**.
 - The last volume setting will be stored automatically after 5 seconds of inactivity.
- 5 Repeat the above step for other speakers until all the speakers output level sounds equally balance.
- 6 To exit the menu, press **◀▶** / **▶▶** until 'EXIT' is displayed, then press **PROGRAM**.

Set the delay time for speaker output



Note

- This setting is only applicable to centre and rear speakers only.

- 1 Press **SURROUND** to switch to multi-channel surround mode.
- 2 Press **PROGRAM** to access speaker setting mode.
- 3 Press **◀◀** / **▶▶** to select the speaker which you want to set the delay time, then press **PROGRAM**.
 - ↳ 'CENTER DELAY' - for centre speaker.
 - ↳ 'REAR DELAY' - for rear speakers.
- 4 Press **VOL +/–** to set the delay time, then press **PROGRAM**.
 - The last volume setting will be stored automatically after 5 seconds of inactivity.
- 5 Repeat steps 3~4 for other speaker settings.
- 6 To exit the menu, press **◀◀** / **▶▶** until 'EXIT' is displayed, then press **PROGRAM**.

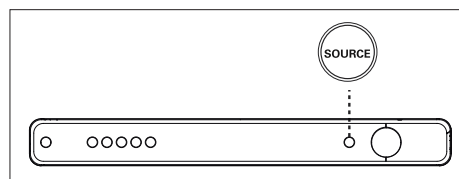


Tips

- If the volume control is not adjust within 5 seconds, it resumes normal volume control function.
- Set longer delay time if the centre or rear speakers are closer to the listening position than the front speakers.

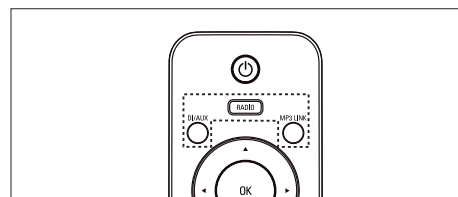
Select a play source

On the main unit



- 1 Press **SOURCE** button repeatedly to select: **COAX IN1** > **COAX IN2** > **OPTI IN** > **AUX1** > **AUX2** > **FM** > **MP3 LINK** ...

On the remote control



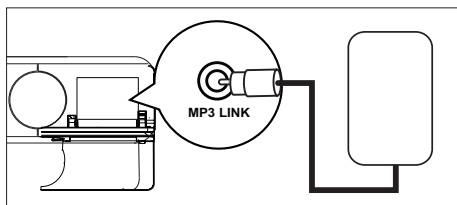
- Press **RADIO** to switch to FM band.
- Press **DI/AUX** repeatedly to listen to the audio output from the external device.
- **MP3 LINK** to listen to the MP3 device that is connected to the MP3 LINK socket.

Display	Device connected to
AUX1	AUDIO IN-AUX1 sockets.
AUX2	AUDIO IN-AUX2 sockets.
COAX IN1	DIGITAL IN-COAXIAL 1 socket.
COAX IN2	DIGITAL IN-COAXIAL 2 socket.
OPTI IN	DIGITAL IN-OPTICAL socket.
MP3 LINK	MP3 LINK socket.

5 Play

Play from portable media player

Simply connect your portable media player (e.g. MP3 player) to this unit to enjoy superb sound quality from your music collections.



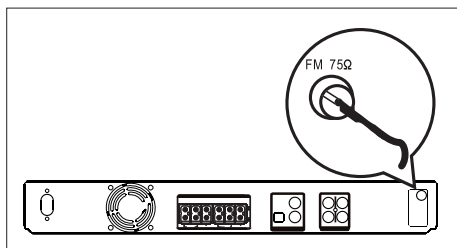
- 1 Connect a 3.5mm stereo audio cable (supplied) from the **MP3 LINK** socket on this unit to the 'headphone' socket on your portable media player.
- 2 Press **MP3 LINK**.
- 3 Start play on your portable media player.
 - See chapter 'Adjust Sound' to enhance the audio output.
- 4 To stop play, press STOP button on your portable media player.

Note

- Control playback is only possible on your portable media player.
- Stop play on the portable media player before you switch to other play media/source.

Play from radio

Check if the FM antenna has been connected to this Digital AV Receiver unit. If not, connect the supplied FM antenna to the FM 75Ω socket and fix its ends to the wall.



Tips

- For better FM stereo reception, connect an external FM antenna (not supplied).
- Position the antenna as far away as possible from your TV, VCR or other radiation source to prevent interference.

First time tuning

The first time when you access 'RADIO' mode, follow the instructions to install the radio stations.

- 1 Press **RADIO**.
 - ↳ 'AUTO INSTALL ... PRESS PLAY' is displayed.
- 2 Press **▶**.
 - ↳ All the available radio stations with strong signal will be stored.
 - ↳ Once complete, it tunes to the first preset radio station.
 - To stop auto tuning, press **■**.



Note

- This unit can store up to a maximum of 40 radio stations.
- If auto installation is not activated or less than 5 radio stations are stored, 'AUTO INSTALL' will be displayed again the next time you turn on to radio mode.

Listen to radio

- 1 Press **RADIO**.
- 2 Use the remote control to control the radio.

Button	Action
	Select a preset radio station.
	Tune the radio frequency backward/ forward.
	Press and hold this button to delete the preset station. • The preset number for other radio stations remain unchanged

Reinstall all the radio stations

- 1 Press **RADIO**.
- 2 Press and hold **PROGRAM** until 'START' is displayed.
 - ↳ All previously stored radio stations will be replaced.



Note

- If no stereo signal is detected or less than 5 (five) stations are detected during radio installation, 'CHECK ANTENNA' is displayed.

Search and store radio stations individually

- 1 Press **RADIO**.
- 2 Press **◀▶**.
 - ↳ The radio frequency indication starts to change until a radio station is detected.
- 3 Repeat step 2 until you tune to the radio station you wish to store.
 - To finetune the radio frequency, press **▲▼**.
- 4 Press **PROGRAM**.
 - If no action is carried out within 20 seconds after the above step, it exits the preset mode.
- 5 Press **◀◀▶▶** (or the **numeric buttons**) to select a preset number to store.
- 6 Press **PROGRAM** to confirm.

Change tuning grid

In some countries, the frequency step between adjacent channels in FM band is 50 kHz or 100 kHz.

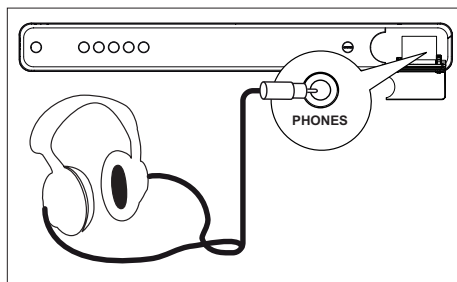


Note

- This feature only applicable for certain region.
- Change tuning grid erases all preset radio stations.

- 1 Press **RADIO** repeatedly to select 'FM' band.
- 2 Press **■**.
- 3 Press and hold **▶** until 'GRID 9' or 'GRID 10' is displayed.
 - 'GRID 9' for 50 kHz and 'GRID 10' for 100 kHz.

Enjoy music through headphone



- 1 Connect a headphone (not supplied) to the **PHONES** socket on this unit.
 - ↳ Speakers output is muted.
 - ↳ The surround sound output changes to stereo automatically.

Use sleep timer to power off

You can select a preset time when you wish to turn off this unit to standby mode.

- 1 Press **SLEEP** repeatedly to select a count down time (in minutes) before this unit switches to standby.
 - ↳ '60 > 45 > 30 > 15 > OFF' is displayed.
 - To cancel the sleep timer, select 'OFF'.

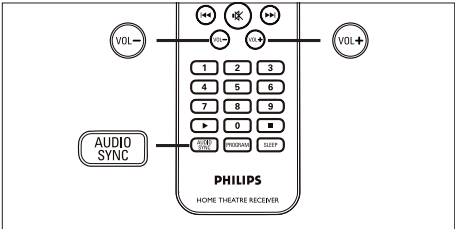
6 Adjust sound

Control the volume

- 1 Press **VOL +/–** to increase or decrease the volume level.
- To mute the volume, press **MUTE**.
 - To restore the volume, press **MUTE** again or press **VOL +**.

Sync audio output with video play

If the video play is slower than the audio output (sound does not match with the pictures), you can delay the audio output to match the video.



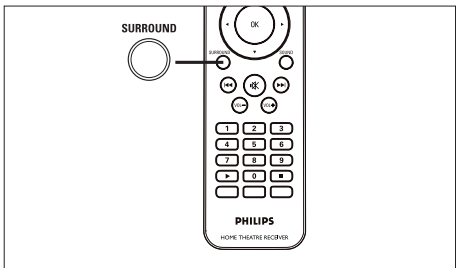
- 1 Press **AUDIO SYNC**.
-
- 2 Within five seconds, press **VOL + –** to set the delay time for audio output.



Note

- If the volume control is not used within 5 seconds, it resumes normal volume control function.

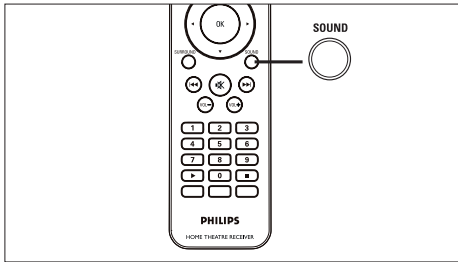
Select surround sound



- 1 Press **SURROUND** repeatedly to select a best surround output that available on the disc or most suits the music you play.

Options	Descriptions
MULTI CHANNEL	Multi-channel surround output: DTS (Digital Theatre Systems), Dolby Digital, and Dolby Pro Logic II.
PARTY	Ideal for party music. It enhanced the stereo channel output by duplicating the sound output to the centre and rear speakers.
STEREO	Stereo sound.

Select a preset sound effect



- 1 Press **SOUND** repeatedly to select a sound effect that most suits the video or music you play.

Movie / Music	Descriptions
CONCERT / CLASSIC	Flat and pure sound mode. Ideal for listening to classical music and watching live concert DVDs.
DRAMA / LOUNGE	Moderate sound mode suitable for lounge music and watching dramas.
ACTION / ROCK	Enhanced low and high range for great sounding movie effects and atmosphere. Great for action movies and rock/pop music.
GAMING / SPORTS	Moderate mid range and surround effects for clear vocals and the atmosphere of a live sports venue, also ideal video gaming.
NIGHT	Dynamically controlled sound mode suitable for watching movies at night or for non-intrusive background music.

7 Additional information

Specifications



Note

- Specification and design are subject to change without notice.

Accessories supplied

- Quick Start Guide
- Remote control and batteries
- Subwoofer
- 1 centre, 2 front and 2 rear speakers
- Audio cables (red/white)
- Coaxial cable
- 3.5mm stereo audio cable (for MP3 LINK)
- FM wire antenna
- Power cable

Amplifier

- Total output power (Digital AV Receiver): 600W
- Frequency response: 150 Hz~18 kHz / ± 3 dB
- Signal-to-noise ratio: > 60 dB (A-weighted)
- Input sensitivity
 - AUX 1 & 2: 400 mV
 - MP3 LINK: 400 mV

Radio

- Tuning range: FM 87.5-108 MHz (50/100 kHz), 26 dB quieting sensitivity: FM 22 dBf
- Signal-to-noise ratio: FM 55 dB
- Harmonic distortion: FM 3%
- Frequency response: FM 180 Hz~10 kHz / ± 6 dB
- Stereo Threshold: FM 29 dB

Main unit

- Power supply: 110-127 V / 220-240 V, ~50-60 Hz
- Power consumption: 100W
- Dimensions (WxHxD): 435 x 58 x 360 (mm)
- Weight: 3.2 kg

Speakers

- System: full range satellite
- Speaker impedance: 6 ohm (centre), 3 ohm (Front/Rear)
- Speaker drivers:
 - Centre: 2x 2.5" woofer + 1 x 2" tweeter
 - Front/Rear: 3" full range
- Frequency response: 150 Hz - 20 kHz
- Dimensions (WxHxD):
 - Centre: 440 x 105 x 75 (mm)
 - Front/Rear: 103 x 203 x 71 (mm)
- Weight:
 - Centre: 1.44 kg
 - Front/Rear: 0.66 kg

Subwoofer

- Impedance: 6 ohm
- Speaker drivers: 165 mm (6.5") woofer
- Frequency response: 40 Hz - 150 Hz
- Dimensions (WxHxD): 163 x 363 x 369 (mm)
- Weight: 4.7 kg

8 Troubleshooting



Warning!

- Risk of electric shock. Never remove the casing of this unit.

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

If you encounter problems when using this unit, check the following points before requesting service. If the problem remains unsolved, register your product and get support at www.philips.com/welcome.

Main unit

The buttons on the this unit do not work.

- Disconnect this unit from the power outlet for a few minutes, then connect again.

Sound

No sound.

- Ensure that the audio cables are connected and press the correct input source (for example, DI/AUX, MP3 LINK) to select the device you want to play.

Poor radio reception

- If the signal is too weak, adjust the antenna or connect an external antenna for better reception.
- Place the antenna further away from any equipment that may be causing the interference.

9 Glossary

Analogue

Sound that has not been switched into numbers. Analogue sound varies, while digital sound has specific numerical values. These sockets send audio through two channels, the left and right.

Dolby Digital

A surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right, centre and subwoofer).

Dolby Surround Pro Logic II

It is an improved matrix decoding technology that provides better spatiality and directionality on Dolby Surround program material, provides a convincing three dimensional sound field on conventional stereo music recordings and is ideally suited to bring the surround experience to automotive sound. While conventional surround programming is fully compatible with Dolby Surround Pro Logic II decoders, soundtracks will be able to be encoded specifically to take full advantage of Pro Logic II playback, including separate left and right surround channels. (Such material is also compatible with conventional Pro Logic decoders.)

DTS

Digital Theater Systems. This is a surround sound system, but it is different from the Dolby Digital. The formats were developed by different companies.

MP3

A file format with a sound data compression system. 'MP3' is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer3. By using the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD. Files are recognised by their file extension 'MP3'.

Multi-channel

DVDs are formatted to have each sound track constitute one sound field. Multi-channel refers to a structure of sound tracks having three or more channels.

Surround

A system for creating realistic three dimensional sound fields full of realism by arranging multiple speakers around the listener.