HTR5204

Digital AV Receiver System

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Thank you for choosing Philips.

Need help fast?

Read your Quick Use/Start Guide and/or User Manual first for quick tips that make using your Philips product more enjoyable. If you have read your instructions and still need assistance, you may access our online help at www.philips.com/support



Important notes for users in 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:

- I 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 e) 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.

Italia

DICHIARAZIONE DI CONFORMITA'

Si dichiara che l'apparecchio HTR5204, Philips risponde alle prescrizioni dell'art. 2 comma I del D.M. 28 Agosto 1995 n. 548.

Fatto a Eindhoven

Philips Consumer Electronics Philips, Glaslaan 2 5616 JB Eindhoven, The Netherlands

Norge

Typeskilt finnes på apparatens underside.

Observer: Nettbryteren er sekundert innkoplet. Den innebygde netdelen er derfor ikke frakoplet nettet så lenge apparatet er tilsluttet nettkontakten.

For å redusere faren for brann eller elektrisk støt, skal apparatet ikke utsettes for regn eller fuktighet.

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



This product complies with the requirements of the following directives and guidelines: 73/23/EEC + 89/336/EEC + 93/68/EEC

For Customer Use:

Read carefully the information located at the bottom or rear of your Receiver and enter below the Serial No. Retain this information for future reference.

Model No. HTR5204

Serial No.

DK

Advarsel: Usynlig laserstråling ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå utsættelse for stråling.

Bemærk: Netafbryderen er sekundært indkoblet og ofbryder ikke strømmen fra nettet. Den indbyggede netdel er derfor tilsluttet til lysnettet så længe netstikket sidder i stikkontakten.

S

Klass I laseraparat

Varning! Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

Observera! Stömbrytaren är sekundärt kopplad och bryter inte strömmen från nätet. Den inbyggda nätdelen är därför ansluten till elnätet så länge stickproppen sitter i vägguttaget.

SF

Luokan I laserlaite Varoitus! Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan I ylittävälle näkymättömälle lasersäteilylle. Oikeus muutoksiin varataan. Laite ei saa olla alttiina tippu-ja roiskevedelle.

Huom. Toiminnanvalitsin on kytketty toisiopuolelle, eikä se kytke laitetta irti sähköverkosta. Sisäänrakennettu verkko-osa on kytkettynä sähköverkkoon aina silloin, kun pistoke on pistorasiassa.

'CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525P AND 625P DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.'

CAUTION

VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM

ADVARSEL

SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING UNDGÅ UDSÆTTELSE FOR STRÅLING

<u>VARNING</u> SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD BETRAKTA EJ STRÅLEN

VARO!

AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE LASER SÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN

VORSICHT

SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETZEN

<u>ATTENTION</u>

RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE EXPOSITION DANGEREUSE AU FAISCEAU

Disposal of your old product

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 Please act according to your load rules and do not dispose of your old products with Please act according to your load rules and do not dispose of your old products with

your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health

Se débarrasser de votre produit usagé (Français)

Votre produit est conçu et fabriqué avec des matériaux et des composants de haute qualité, qui peuvent être recyclés et utilisés de nouveau. Lorsque ce symbole d'une poubelle à roue barrée est attaché à un



produit, cela signifie que le produit est couvert par la Directive Européenne 2002/96/EC. Veuillez vous informer du système local de séparation des déchets

Veuillez vous normen du systeme local de separation des deches legentriques et éléctroniques. Veuillez gair selon les règles locales et ne pas jeter vos produits usagés avec les déchets domestiques usuels, jeter correctement votre produit usagé aidera à prévenir les conséquences négatives potentielles contre l'environnement et la santé humaine.

Cómo deshacerse del producto usado (Español)

Su producto ha sido diseñado y fabricado con materiales y componentes de alta calidad, que pueden ser reciclados y reutilizados. X Cuando va este símbolo de una papelera con ruedas tachada junto a un producto, esto significa que el producto está bajo la Directiva Europea

2002/96/EC Deberá informarse sobre el sistema de reciclaie local separado para

productos eléctricos y electrónicos. Siga las normas locales y no se deshaga de los productos usados tirándolos en la basura

normal de su hogar. El reciclaje correcto de su producto usado ayudará a evitar consecuencias negativas para el medio ambiente y la saludde las persona.

Entsorgung Ihres Altgerätes (Deutsch)



Ihr Produkt ist aus hochqualitativen Materialien und Bestandteilen hergestellt, die dem Recycling zugeführt und wiederverwertet werden können. Falls dieses Symbol eines durchgestrichenen Müllcontainers auf Rollen auf diesem Produkt angebracht ist, bedeutet dies, dass es von der Europäischen

diesem Produkt angebracht ist, bedeutet dies, dass es von der Europaischen Richtlinie 2002/96/EG erfasst wird. Bitte informieren Sie sich über die örtlichen Sammelstellen für Elektroprodukte und elektronische Geräte.

Bitte beachten Sie die lokalen Vorschriften und entsorgen Sie Ihre Altgeräte nicht mit dem normalen Haushaltsmüll. Die korrekte Entsorgung Ihres Altgerätes ist ein Beitrag zur Vermeidung möglicher negativer Folgen für die Umwelt und die menschliche Gesundhei.

Wegwerpen van uw afgedankt apparaat (Nederlands)



Uw apparaat werd ontworpen met en vervaardigd uit onderdelen en materialen van superieure kwaliteit, die gerecycleerd en opnieuw gebruikt kunnen worden. Wanneer het symbool van een doorstreepte vuilnisemmer op wielen op

een product is bevestigd, betekent dit dat het product conform is de Europese Richtlijn 2002/96/EC

coor elektrische en elektronische apparaten.

Gelieve u te houden aan de plaatselijke reglementering en apparaten niet met het gewone huisvuil mee te geven. Door afgedankte apparaten op een correcte manier weg te werpen helpt u mogelijke negatieve gevolgen voor het milieu en de gezondheid te voorkomen.

Smaltimento del prodottot (Italiano) Questo prodotto è stato progettato e fabbricato con materiali e



componenti di alta qualità, che possono essere riciclati e riutilizzati. Quando ad un prodotto è attaccato il simbolo del bidone con le ruote segnato da una croce, significa che il prodotto è tutelato dalla Direttiva Europea 2003/96/EC

Si prega di informarsi in merito al sistema locale di raccolta differenziata per i prodotti elettrici ed elettronici. Rispettare le norme locali in vigore e non smaltire i prodotti vecchi nei normali rifiuti domestici. Il corretto smaltimento del prodotto aiuta ad evitare possibili conseguenze negative per la salute dell'ambiente e dell'uomo.



Por favor informe-se sobre o sistema local para a separação e recolha de

Por tavo minormeses sobre o sistema local para a separação e recoma de produtos eléctricos e electrónicos. Actúe por favor em conformidade com as suas regras locais e, não se desfaça de produtos velhos conjuntamente com os seus desperdícios caseiros. Desfazer-se correctamente do seu produto velho ajudará a evitar conseqüências potencialmente negativas para o , te e saúde humana

English

Hereby, Philips Consumer Electronics, B. U. Peripherals & Accessories, declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Francais

Par la présente, Philips Consumer Electronics, B. U. Peripherals & Accessories, déclare que l'appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Español

Por medio de la presente, Philips Consumer Electronics, B. U. Peripherals & Accessories, declara que el cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

Deutsch

Hiermit erklärt Philips Consumer Electronics, B. U. Peripherals & Accessories die Übereinstimmung des Gerätes mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG.

Nederlands

Hierbij verklaart, Philips Consumer Electronics, B. U. Peripherals & Accessories dat het toestel in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Italiano

Con la presente Philips Consumer Electronics. B. U. Peripherals & Accessories dichiara che questo è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabitilite dalla direttiva 1999/5/CE.

Svenska

Härmed intygar, Philips Consumer Electronics, B. U. Peripherals & Accessories, att denna står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Dansk

Undertegnede Philips Consumer Electronics, B. U. Peripherals & Accessories erklærer herved, at følgende udstyr overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Finnish

Philips Consumer Electronics, B. U. Peripherals & Accessories vakuuttaa täten että tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

<u>Portuguese</u>

Philips Consumer Electronics, B. U. Peripherals & Accessories declara que este está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Ελληνικά

ME THN ΠΑΡΟΥΣΑ Philips Consumer Electronics, B. U. Peripherals & Accessories ΔΗΛΩΝΕΙ ΟΤΙ ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ της ονηγιάς 1999/2/ΕΚ

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Care and Safety Information

WARNING!

This unit does not contain any userserviceable parts. Please leave all maintenance work to qualified personnel.

Setup precautions

Finding a suitable location

 Place this unit on a flat, hard and stable surface. Never place the unit on a carpet.

 Never place this unit on top of other equipment that might heat it up (e.g., receiver or amplifier).

- Never put anything under this unit (e.g., CDs, magazines).

 Install this unit near the AC outlet where the AC power plug can be easily reached.

Space for ventilation

- Place this unit in a location with adequate ventilation to prevent internal heat build up. Allow at least 10 cm (4") clearance from the rear and the top of this unit and 5cm (2") from the left and right to prevent overheating.

Avoid high temperature, moisture, water and dust

This unit must not be exposed to dripping or splashing.

 Never place any object or items that can damage this unit (e.g., liquid filled objects, lighted candles).

Accessories supplied

- I AV receiver system
- I subwoofer
- 2 front speakers
- 2 rear speakers
- I centre speaker
- I remote control with batteries
 - I audio cable (red/white)
- I coaxial cable
- I power cable
- I MP3 Line In cable
- I FM wire antenna
- I AM/MW loop antenna
- Quick Start Guide

About recycling

These operating instructions have been printed on non-polluting paper. The electronic equipment contains a large number of materials that can be recycled. If you are disposing of an old machine, please take it to a recycling centre. Please observe the local regulations regarding disposal of packaging materials, exhausted batteries and old equipment.

Remote Control

English



10

Switches to standby mode or turns on the system.

2 Source buttons

 DISC/DI: toggles between DISC 6CH, COAX IN and OPTI IN.
 RADIO: toggles between FM and AM/MW band.

TV: switches to TV mode. AUX: switches to the external device connected to the AUDIO IN-AUX socket. MP3 Line in: switches to the MP3 device connected to the MP3 Line in socket on the front panel.

③ PROGRAM

 RADIO: starts automatic manual preset programmining.

④▲▼

RADIO: press up or down to tune the radio frequency.

- RADIO: press to start auto search.

(5) OK

Confirms an entry or selection.

6 PREV ◄ / NEXT ►

- RADIO: selects a preset radio station.

⑦ STOP ■

 RADIO: press and hold this button to erase the current preset radio station.

(8) TV VOL +/-

 Adjusts the volume of the TV (for Philips TVs or compatible brands only).

9 SURROUND

 Toggles between multi-channel surround or stereo mode.

(10) AUDIO SYNC

 Sets the audio output delay times if the video playback is slower than the audio output.

Remote Control (continued)

English

(1) **SLEEP** Sets the sleep timer function.

12 PLAY/PAUSE ►II

 RADIO: starts auto radio installation for first time setup.

13 MUTE 🕸

- Mutes or restores the volume.

(4) VOL +/-

- Adjusts the volume level.

(15) Numeric keypad 0-9

- Enters a number of a preset radio station.

16 SOUND

- Selects a predefined sound effect.

17 BASS

- Select for low tone sound mode.
- Use the VOL +/- keys to change the tone level.

18 TREBLE

- Select for high tone sound mode.
- Use the VOL +/-keys to change the tone level.

19 SPEAKER/ SELECT

- Selects the speakers' level.
- Use the VOL +/- keys to change the tone level.

Note: If you have connected a Philips DVD player to this receiver, the following keys can be used:

- ZOOM
- SETUP
- DISPLAY
- SUBTITLE
- DISC MENU
- ▲▼
- TITLE 5

For details, see the accompanying user manual of your Philips DVD player.



English

Remote Control (continued)

Using the remote control

Open the battery compartment.

- 2 Insert two batteries type R03 or AAA, following the indications (+-) inside the compartment.
- Close the cover.
- 4 Point the remote control directly at the remote sensor (iR) on the front panel.



- Select the source you wish to control by pressing the DISC/DI, RADIO, TV, AUX or MP3 LINE IN button on the remote control.
- 6 Then select the desired function (for example ◄, ►).

CAUTION!

- Remove batteries if they are exhausted or if the remote control is not to be used for a long time.

- Never mix batteries (old and new or carbon and alkaline, etc).

Batteries contain chemical

substances, they should be disposed of properly.

Main Unit





(1) STANDBY ON

Switches to standby mode or turns on the system.

② SURROUND

 Toggles between multi-channel surround or stereo mode.

3 SOUND

- Selects a predefined sound effect.

④ TREBLE

- Select for high tone sound mode.
- Use the VOL +/- keys to change the tone level.

5 BASS

- Select for low tone sound mode.
- Use the VOL +/-keys to change the tone level.

6 PROGRAM

- Enters receiver setup menu.
- RADIO: starts automatic/manual preset programming.

- Selects a preset radio station.
- Press and hold to start auto search.

(8) Display Panel

SOURCE

 Selects the relevant active source mode: DISC 6CH/ COAX IN/ OPTI IN, MP3 MODE, RADIO (FM/ AM/ MW), AUX or TV.

1 VOL +/-

- Adjusts the volume level.
- Selects a setting in receiver setup menu.

1 PHONES

- Plug in the headphones socket.

12 MP3 LINE IN

 Phono input for connecting to the headphone out socket on your portable audio player.

Basic Connections



Step I: Placing the speakers and subwoofer

For optimum surround sound, all the speakers (except subwoofer) should be placed at the same distance from the listening position.

- Place the front left and right speakers at equal distances from the TV and at an angle of approximately 45 degrees from the listening position.
- 2 Place the centre speaker above the TV or the main unit such that the centre channel's sound is localised.
- 3 Place the rear speakers at normal listening ear level or hang on the wall.
- Place the subwoofer at the corner of the room. Keep it at least one metre away from the TV.

Helpful Hints:

- The placement diagram shown here is only a guideline that will provide great system performance. You may find other placement choices that are more suitable for your room layout that provide the sound experience you enjoy.

 To avoid magnetic interference, never position the front speakers too close to your TV.

- Allow adequate ventilation space around the AV receiver.



Basic Connections (continued)

Step 2: Connecting the speakers and subwoofer

 Connect all the speakers to the speaker sockets at the rear of the main unit, Make sure that the colours of the plugs and sockets are matched.

Helpful Hints:

Ensure that the speaker cables are correctly connected. Improper connections may damage the system due to short-circuit.
 Do not connect speakers with an impedance lower than the speakers supplied. See the chapter "Specifications".

Basic Connections (continued)







Step 3: Connecting the FM and AM/MW antennas

- Connect the supplied AM/MW loop antenna to the AM/MW socket. Place the AM/MW loop antenna on a shelf, or attach it to a stand or wall.
- Connect the supplied FM antenna to the FM 75 Ω socket. Extend the FM antenna and fix its ends to the wall.

For better FM stereo reception, connect an external FM antenna (not supplied).

Helpful Hints:

 Adjust the position of the antennas for optimal reception.

 Position the antennas as far away as possible from your TV, VCR or other radiation source to prevent any unwanted interference.

Step 4: Connecting the power cord

After everything is connected properly, connect the AC power cord into the power outlet.

The standby LED on the main unit lights up. Never make or change any connections with the power switched on.

Note:

Turning off to standby mode does not disconnect the unit from mains.

Helpful Hints:

 Refer to the type plate at the rear or bottom of the product for identification and supply ratings.

 Before making or changing any connections, make sure that all the devices are disconnected from the power outlet.

Optional Connections



English

Connecting audio from TV

This connection enables you to hear the TV audio output from this unit. You will hear the sound of the TV output on all the speakers.

 Connect the supplied audio cable (red/ white) to the TV AUDIO IN sockets on this unit to the AUDIO OUT sockets on the TV.

To hear the sound, press \mathbf{TV} on the remote control as the sound source that you want to play.

Connecting audio from an audio/video device

This connection allows you to hear the audio output from a connected audio/ video device (e.g. DVD Player, Recorder VCR or Cable/Satellite Box). You only need to choose from <u>one</u> of the options below.

Option I: Using the analogue audio sockets

 Connect the supplied audio cable (red/ white) to the AUX AUDIO IN sockets on this unit to the AUDIO OUT sockets on the audio/video device.

To hear the sound, press **AUX** on the remote control as the sound source that you want to play.

Optional Connections (continued)



Option 2: Using the 6 Channel In sockets

If your audio/video device supports 6-channel (multichannel) output.

 Connect the audio cables (not supplied) to the 6 CHANNEL IN sockets on the receiver to the corresponding audio output sockets on the audio/video device.

To hear playback from the device, Start playback on the connected audio/ video device.

Press DISC/DI on the remote control repeatedly until 'DISC 6CH' appears on the display panel to activate the audio input source.

Helpful Hint:

 The audio signals produced through the 6 Channel are multi-channel surround sound.
 Switching to Stereo mode will not have any effect.

Option 3: Using the Coaxial In socket

 Connect the supplied coaxial cable to the COAXIAL IN socket on the receiver to the COAXIAL OUT socket on the audio/video device.

To hear playback from the device, Start playback on the connected audio/ video device.

Press DISC/DI on the remote control to select 'COAX IN' to activate the audio input source.

Optional Connections (continued)

Option 4: Using the Optical In socket

 Connect a fibre optic cable (not supplied) to the OPTICAL IN socket on the receiver to the OPTICAL OUTPUT socket on the audio/video device.

To hear playback from the device, Start playback on the connected audio/ video device.

Press DISC/DI on the remote control repeatedly until 'OPTI IN' appears on the display panel to activate the audio input source. English

Getting Started

Step 1:Turning on the system

Before you start...

Make sure you have completed all the necessary connections before proceeding.

 Press the SOURCE button on the front panel repeatedly to select:

 $\begin{array}{l} \text{DISC 6CH} \rightarrow \text{COAX IN} \rightarrow \text{OPTI IN} \rightarrow \\ \text{MP3 MODE} \rightarrow \text{FM} \rightarrow \text{AM/MW} \rightarrow \text{AUX} \\ \rightarrow \text{TV} \rightarrow \text{DISC 6CH....} \end{array}$

OR

 Press DISC/DI, RADIO, TV, AUX or MP3 LINE-IN on the remote control.
 Press DISC/DI to toggle between to DISC 6CH, COAX IN or OPTI IN mode.
 Press RADIO to toggle between FM and AM/MW band.

 If the audio input on this unit is connected to your TV, press TV to hear the TVs sound output through this unit.
 Press AUX to switch to the external device that is connected to the AUDIO IN-AUX socket on this unit.

→ Press MP3 LINE-IN to switch to the external device that is connected to the MP3 Line-In socket on the front panel.

Turn off to standby mode

Press STANDBY-ON (⁽)).
 → The display screen turns off.

Step 2: Setting the speakers

You can adjust the delay times (centre and rear only) and volume level for individual speakers. These adjustments allow you to optimise the sound according to your surroundings and setup.

Before you start... Press SURROUND on the remote control to select Multi-channel surround mode before you adjust the speaker settings.

Adjust the speaker delay times

(Not available in STEREO mode)

- Press STANDBY-ON (⁽¹⁾) to turn on the unit.
- Press and hold **PROGRAM** on the front panel for five seconds to access the system setup.

To adjust the audio delay for the centre speaker

- Press I or I until 'CENTER DELAY' appears.
- Press **PROGRAM** on the front panel.
- Rotate the VOL control to change the delay time. Select from : 5ms, 3ms, 2ms, Ims or OFF (default setting).
- To remain with the previous setting, do not rotate the VOL control in the next five seconds.

Getting Started (continued)

To adjust the audio delay for the rear speaker

- Press I or I until 'REAR DELAY' appears.
- Press **PROGRAM** on the front panel.
- Rotate the VOL control to change the delay time. Select from : 15ms, 12ms, 9ms, 6ms, 3ms or OFF (default setting).
- To remain with the previous setting, do not rotate the VOL control in the next five seconds.
- 3 To confirm your settings, press **PROGRAM** on the front panel.
- ④ To exit from the setup menu, press I or ►► to select 'EXIT'.

Helpful Hints:

 Use longer delay time settings when the rear speakers are closer to the listener than the front speakers.

- In DISC 6CH and RADIO mode, the SETUP MENU is not available.

- In STEREO mode, when CENTER DELAY, REAR DELAY or TEST TONE is selected, the display panel will show "UNAVAILABLE FOR STEREO MODE.". Press SURROUND button to select another surround mode.

- AUTO PROGRAM is only available RADIO mode only.

Adjust the speaker trim level

(Only available in DOLBY DIGITAL, DTS, PRO LOGIC, MOVIE, MUSIC modes) You can adjust the speakers trim level within the range of -10dB to +10dB. The default setting is 0dB.

- Press and hold **PROGRAM** on the front panel for five seconds to access the system setup.
- Press I or I until 'TEST TONE' appears.
- Press PROGRAM on the front panel.
 Each speaker will be tested automatically.

→ Sound will output from each speaker for two seconds. To adjust the trim level, rotate the **VOL** control.

- Once complete, press **PROGRAM** on the front panel.
- 5 To exit from the setup menu, press I or ►►I to select 'EXIT'.

Helpful Hint:

– To remain with the previous setting, do not rotate the VOL control whilst the individual speaker is tested. After two seconds, the next speaker will be tested, adjust the VOL control if necessary.

Adjust the speaker output levels

(Not available in STEREO mode) You can adjust the rear speakers, centre speaker and subwoofer output levels by comparing the sound from the front speakers.

- In 'DISC 6CH' mode, press SPEAKER SELECT button on the remote control to view each individual channel trim value.
- 2 To adjust its level, press the VOL + buttons on the remote control.

Sound and Volume Controls

Before you start...

Ensure the speakers and subwoofer are connected. See the chapter "Basic connections".

Selecting surround sound

- In 'COAX IN' or 'OPTI IN' mode, press
 SURROUND button to select: DOLBY DIGITAL / DTS or STEREO. (Available only if the audio signal received is in Dolby Digital or DTS). OR
- Press SURROUND button to select: MOVIE, MUSIC, PRO LOGIC or STEREO.

→ The availability of the various surround sound modes depends on the sound available on the disc.

 → The available output modes for Multi-channel include: Dolby Digital, DTS (Digital Theatre Systems) Surround, Dolby Pro Logic II and Dolby Pro Logic.
 → Stereo broadcasts or recordings will produce some surround channel effects when played in a surround mode.

Helpful Hints:

The surround sound feature is not available in DISC 6CH mode.

 The centre and rear speakers operate only in multichannel surround mode.

Selecting digital sound effects

Select a preset digital sound effect that matches your disc's content or that optimises the sound of the musical style you are playing.

Press SOUND on the remote to select the available sound effect.

When audio playback is in Dolby Digital, DTS, PRO LOGIC or MOVIE surround mode, you can select:

CONCERT, ACTION, DRAMA, SCI-FI (default setting) or NIGHT.

When audio playback is in MUSIC surround mode or in RADIO source, you can select:

CLASSIC, ROCK, JAZZ, DIGITAL (default setting) or NIGHT.

Helpful Hint:

 For flat sound output, select CONCERT or CLASSIC.

Adjusting the Bass/Treble level

The BASS (low tone) and TREBLE (high tone) features enable you to define the sound-processor settings.

- Press BASS or TREBLE on the remote control.
- Within two seconds, use the VOL + control to adjust the Bass or Treble level (-10dB ~ 10dB, default setting 0dB).
 If the volume control is not used within two seconds, it will resume its normal volume control function.

Sound and Volume Controls (continued)

Adjusting volume control

Press VOL + - on the remote control to increase or decrease the volume level.
 'VOL MIN' is the minimum volume level and 'VOL MAX' is the maximum volume level.

To listen through the headphones

 Plug the headphones to the PHONE socket on the front of the receiver.
 The speakers will be muted.

 \rightarrow The current surround sound will change to stereo mode.

→ To restore playback through the speakers, unplug the headphones.

To turn off the volume temporarily Press MUTE on the remote.

→ Playback will continue without sound and 'MUTE ON' appears on display panel.

→ To restore the volume, press **MUTE** again or increase the volume level.

Adjusting for 'Lip Sync' delays

This feature allows you to adjust the audio delay times if the video playback is slower than the audio output streams (also known as 'Lip-sync'). To correct 'Lip-sync' error caused by the delayed video, delay audio output time by an equal amount.

Press AUDIO SYNC on the remote control.



Within five seconds, use the VOL + - to set the audio output delay times (0 ~ 200 ms).

→ If the volume control is not used within five seconds, it will resume its normal volume control function.

Playback - Other Audio Player

Playing from another portable audio player

When you connect your portable audio player to this unit to get the best immersion sound experience through the speaker system. However, controlling of playback is only possible on the portable audio player.

- Connect the MP3 LINE-IN socket on this receiver with the supplied MP3 Linein cable to the 'headphone' output socket on your portable audio player.
- Press MP3 LINE-IN on the remote control.
- Start playback on your portable audio player.

→ The music will be heard through the speakers.

To stop playback, press the STOP button on the portable audio player.

Helpful Hint:

 If you change the input source by pressing any of the source buttons (e.g. DISC/DI, RADIO) press the STOP button on the portable audio player to stop its playback.

English

Tuner Operations

Before you start...

Please make sure the FM and AM/MW antennas are connected.

Tuning to radio stations

Press SOURCE repeatedly until 'FM' or 'AM/MW' appears on the display panel.

(or press RADIO on the remote control).

Press ◀ or ▶ on the remote control to start tuning.

→ The display panel will show 'SEARCH' change until a radio station with sufficient signal strength is found.

3 Repeat step 2 if necessary until you find the desired radio station

4 To fine-tune the reception of a weak station, press ▲ or ▼ briefly and repeatedly until an optimal reception is found.

Helpful Hint:

 If the FM radio station is transmitting RDS (Radio Data System) data, the station name and frequency will be displayed and stored.
 Press DISPLAY on the remote control to view the station frequency.

Presetting radio stations

You can store up to 40 preset radio stations in the memory. There are three different ways to program the radio stations:

- Using auto install (for first time setup only)
- Using automatic preset
- Using manual preset

Helpful Hint:

If no stereo signal is detected or less than
 five) stations are detected during radio
 installation, 'PLEASE CHECK ANT' appears.

Using auto install

When you access the 'RADIO' mode for the first time, you will be prompted to install the radio stations. With this feature, you can install all the available radio station automatically with one touch of button.

- Press RADIO on the remote control
 'AUTO INSTALL ... PRESS PLAY' appears.
- Press >II until 'START... SEARCH' appears on the display panel.
 The system will start searching from the FM band followed by the AM/MW band.

→ All available radio stations with strong signal will be stored.

Once complete, the first tuned radio station will be played back.

To stop the tuner installation, press
 STOP on the remote control.

Using automatic preset

Use automatic presetting to store or reinstall all the preset radio stations.

- Press RADIO to select 'FM' or 'AM/MW' band.
- Press and hold **PROGRAM** until 'START... SEARCH' appears on the display panel.

→ All previously stored radio stations will be replaced.

→ Once 40 radio stations presets have been stored, searching will stop. The first tuned radio station will be played back.

Tuner Operations (continued)

Using manual preset

Use manual presetting to store your favourite radio stations.

- Tune to your desired radio station (see "Tuning to radio stations").
- Press PROGRAM on the remote control
- 3 Use PREV I or NEXT ►I keys to select a preset number that you want to store the current radio station. OR
- Use the **numeric keypad 0-9** to enter the preferred preset number.

4 Press **PROGRAM** to store.

Deleting a preset radio station

- In radio mode, use PREV I or NEXT ►I keys to select a preset radio station. OR
- Use the numeric keypad 0-9 to enter the preferred preset number.
- Press and hold STOP I until 'DELETED' appears.

→ The radio station is deleted from the preset list. The next preset radio station will play.

Selecting a preset radio station

- Press RADIO to select 'FM' or 'AM/ MW' band.
- ② Use PREV I or NEXT ►I keys to select a preset radio station (or use the numeric keypad on the remote control).
 → The preset number and radio frequency appear on the display panel.

Other Features

Setting the Sleep Timer

The sleep timer enables the system to switch to standby mode automatically at a preset time.

 Press SLEEP on the remote repeatedly until it reaches the desired preset turnoff time.

→ The selections are as follows (time in minutes):

 $\begin{array}{l} \mathsf{OFF} \rightarrow \mathsf{120} \rightarrow \mathsf{90} \rightarrow \mathsf{60} \rightarrow \mathsf{45} \rightarrow \mathsf{30} \\ \rightarrow \mathsf{15} \rightarrow \mathsf{OFF} \end{array}$

To check or change the setting

 Press SLEEP once to show the remaining time before switching off.
 If you continue to press the SLEEP button, the next Sleep Timer option will appear.

To cancel the sleep timer

 Press SLEEP repeatedly until 'OFF' appears or press the STANDBY ON button. English

Specifications

AMPLIFIER

Total MAX Output PowerHome Theater Mode: 600WFront:75 W \times 2 / ChannelCentre:150 W / ChannelSurround:75 W \times 2 / ChannelSubwoofer:150 W / ChannelFrequency Response:150 Hz - 18 kHz / ±3 dBSignal-to-Noise Ratio:> 60 dB (A-weighted)Input Sensitivity:- TV In:500 mV

– AUX In: 500 mV

RADIO

Tuning Range:	FM 87.5 –108 MHz (50 kHz)
	AM/MW 531 –1602 kHz
	(9 kHz)
26 dB Quieting	
Sensitivity:	FM 22 dBf,
	AM/MW 5000 μV/m
Signal-to-Noise Ratio	o:FM 55 dB,
	AM/MW 40 dB
Harmonic Distortion:	FM Mono 3%
	FM Stereo 3%
	AM/MW 5%
Frequency Response:	FM 180 Hz – 9 kHz / ±6 dB
Stereo Threshold:	FM 23.5dB

MAIN UNIT

FRONT AND REAR SPEAKERS

CENTRE SPEAKER

System Full range sat	ellite
Impedance:	8 Ω
Speaker drivers:	2 x 2.5" woofer,
	l x 2" tweeter
Frequency response:	150Hz – 20 kHz
Dimensions:	435 x 93.5 x 67 mm
	$(w \times h \times d)$
Weight:	1.28 kg

PASSIVE SUBWOOFER

Frequency response:	40 Hz – 150 Hz
Impedance:	8 Ω
Subwoofer driver:	8" sub-woofer,
Dimensions:	159.5 x 355.5 x 370 mm
	(w x h x d)
Weight:	4.712kg

Specifications subject to change without prior notice.

WARNING

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Never open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to solve a problem by following these instructions, consult your dealer or Philips for help.

Problem (General)	Solution
No power.	 Press STANDBY-ON on the unit to turn on the power. Make sure the mains cord is properly connected and the AC outlet has power.
No sound or distorted sound.	 Adjust the volume. Check the speaker connections and settings. Make sure that the audio cables are connected and press SOURCE to select the correct input source (for example, TV or AUX) to choose the device that you want to hear through this unit.
No surround sound effect from the speakers.	 Press VOL + - to adjust the volume level. Make sure the centre and rear speakers are connected correctly. Press SURROUND button to select a correct surround sound setting. Make sure the source you are playing is recorded or broadcast in surround sound (DTS, Dolby Digital, etc.).
Radio reception is poor.	 If the signal is too weak, adjust the antenna or connect an external antenna for better reception. Increase the distance between this unit and your TV or VCR. Tune in to the correct frequency. Place the antenna further away from any equipment that may be causing the interference.
The remote control does not function properly.	 Select the source you want to play (for example, DISC/DI or RADIO) before pressing the function button [◄(I◄◄)/ ▶ (▶►I)]. Reduce the distance between the remote control and this unit. Batteries are weak, replace the batteries. Point the remote control directly toward the IR sensor. Check that the batteries are inserted correctly.
Low hum or buzz sound	 Place the receiver as far away from any electrical devices that may be causing the interference.

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.

AUDIO OUT sockets: Red and white sockets on the back of the unit that send audio to another system (TV, Stereo, etc.).

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 I (or MPEG-I) Audio Layer3. By using the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD.

<u>Multi-channel</u>: 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.

Radio Data System (RDS): The Radio Data System is a broadcasting service which the service provider sends additional information such as station name and frequency via the FM radio signal.

Super Audio CD (SACD): This audio format is based upon the current CD standards but includes a greater amount of information that provides higher quality sound. There are three types of discs: single layer, double layer and hybrid discs. The hybrid disc contains both standard audio CD and Super Audio CD information.

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

English