# www.philips.com/welcome



WACS7500

WAS7500



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Philips Consumer Lifestyle HK-0948-WACS7500-FR (Report No. / Numéro du Rapport)

P	Н	IPS

### 2007

(Year in which the CE mark is affixed / Année au cours de laquelle le marquage CE a été apposé)

# **EC DECLARATION OF CONFORMITY**

(DECLARATION DE CONFORMITE CE)

We / Nous, PHILIPS CONSUMER LIFESTYLE B.V. (Name / Nom de l'entreprise)

# TUSSENDIEPEN 4, 9206 AD DRACHTEN, THE NETHERLANDS

(address / adresse)

	sponsibility that the electric responsabilité que le(s) produit(s) é		
(brand name, nom de la man Wireless Music Ce	<sub>que)</sub> nter & Station	(Туре	WACS7500/12version or model, référence ou modèle)
(product description, description)	tion du produit)		
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(	title, number and date of issue o	f the standard / titre, numéro	et date de parution de la norme)
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Remarks: (Remarques:)			
Leuven, Novembe	er 26, 2009	Frank Dethier Development Manag Frank Dethi	er, Innovation Lab Leven
(place,date / lieu, date)		(signature, name and fund	ction / signature, nom et fonction)

EN

# 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:

- Remove fuse cover and fuse.
- **2** Fix the 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 should be fitted in its place.

If the mains plug contains a fuse, it 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, so as to avoid a possible shock hazard due to it being inserted into another 13-Amp socket.

#### How to connect a plug

The wires in the mains lead are colored using the following codes: blue = neutral (N), brown = live (L).

- As these colors may not correspond with the color markings identifying the terminals in your plug, proceed as follows:
  - Connect the blue wire to the terminal marked N or colored black.
  - Connect the brown wire to the terminal marked L or colored red.
  - Do not connect either wire to the earth terminal in the plug, marked E (or e) or colored green (or green and yellow).

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

#### Copyright in the U.K.

Recording and playback of any materials may require consent. See Copyright Act 1956 and The Performerb's Protection Acts 1958 to 1972.

# Norge

Typeskilt finnes på apparatens bakside.

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.

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П	BE	/	DK	/	GR	/	ES	/	FR	/
П	IE	/	IT	/	LU	/	NL	/	ΑT	/
П	PT	/	FI	/	SE	/	UK	/	NO	/
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CLASS 1
LASER PRODUCT

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<sup>\*</sup> Internet radio requires broadband Internet access and a wireless router.

# 1 Important

# 1.1 Safety

**Warning!** To avoid the risk fire, electric shock, injuries or damages, follow these safety instructions:

- Do not open the product or remove the cover. The interior does not contain any user-serviceable parts.
- · Do not place objects filled with liquid, such as vases, on the product.
- Do not stick objects into the openings of the product.
- Do not drop objects such as paperclips into the openings.
- Do not expose the product to splashing or dripping water.
- Do not expose the product to rain or high humidity. The product is for indoor use only.
- · Do not place sources of naked flames, such as burning candles, on the product.
- Position the product in a location with adequate ventilation. Allow at least 10 cm (4 inches) clearance at the rear and the top of the product and 5 cm (2 inches) on each side.
- · Do not cover the ventilation openings with items such as newspapers, tablecloths, curtains, etc.
- · Do not oil or lubricate the mechanical parts of the product.

**Caution!** To avoid the risk of injuries or damages, follow these safety instructions:

- · Visible and invisible laser radiation! Do not look at the laser beam.
- The set does not contain any user-serviceable parts.
- · Place the set on a level, firm and sturdy surface.
- · Keep the system, batteries and discs in a cool dry place.
- Do not exposure the product to humidity, rain, or heat sources like radiators, amplifiers, or direct sunlight.
- Modification of the product can result in hazardous EMC radiation or other unsafe operations.

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

Philips Electronics, BG Entertainment Solutions, hereby declare that this product WACS7500 is in compliance with the essential requirements and other relevant provisions of the Directive 1999/5/EC.

The making of unauthorized duplicates of copy-protected materials, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitutes as criminal offence. This equipment should not be used for such purposes.

# **⊜** Note

The use of controls or adjustments or performance of procedures other than described in the user manual may result in hazardous radiation exposure or unsafe operation.

#### 1.2 GPL Package written offer

This product contains Linux 2.4.27-vrsl that is made available under the GNU GPL license version 2 (hereafter called 'the Program').

Philips Electronics Hong Kong Ltd. hereby offers to deliver or make available, upon request, for a charge no more than the cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code of the Program on a medium customarily used for software interchange. Please contact: Head of Development BLC Audio PDCC Development 5/F., Philips Electronics Building 5 Science Park East Avenue Hong Kong Science Park Shatin Hong Kong

This offer is valid for a period of three years after the date of purchase of this product.

#### 1.3 LGPL Library written offer

This product contains Linux 2.4.27-vrsl that is made available under the GNU LGPL license version 2.1 (hereafter called 'the Library').

Philips Electronics Hong Kong Ltd. hereby offers to deliver or make available, upon request, for a charge no more than the cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code of the Library on a medium customarily used for software interchange. Please contact: Head of Development BLC Audio PDCC Development 5/F., Philips Electronics Building 5 Science Park East Avenue Hong Kong Science Park Shatin Hong Kong

This offer is valid for a period of three years after the date of purchase of this product.

#### 1.4 Environmental information

All redundant packaging material has been omitted. We made the packaging easily separable into three mono materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

The product consists of materials that can be recycled if disassembled by a specialized company. Please observe local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

#### 1.5 Disposal of your old product

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

In order to preserve, protect and improve the quality of the environment, protect human health, and utilize natural resources prudently and rationally, you should return the unserviceable product either to the place where you purchased it, or to a relevant facility in accordance with the local statutory regulations.

The crossed-out wheeled bin indicates that the product must not be disposed of in the household refuse. The symbol is used in conjunction either with a solid bar or the date of manufacture / launch.

Please act according to your local 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.

#### 1.6 Maintenance

#### Clean the set

- · Use a soft cloth slightly moistened with a mild detergent solution.
- Do not use any solutions that contain alcohol, spirits, ammonia or abrasives, as these can harm the product.

#### Clean your discs

- · When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out.
- Do not use solvents such as benzene, thinner, or antistatic spray intended for analog records.

#### Care for the HD (Hard Disk)

The HD is a delicate piece of equipment that is prone to damage due to its long recording capacity and high speed operation.

- · Do not move the unit while it is switched on.
- Do not remove the AC power plug from the power outlet during operation.
- Do not use the unit in excessively hot or humid places as this may cause condensation to form inside the unit.

If the HD fails, playback and recording will not be possible. In this case, is will be necessary to replace the HD unit.

# Note

The HD is not recommended for permanent storage of recorded contents. Before creating your music library, create a back up of the music on your PC. If necessary, you can later restore your system with these backup files.

#### 1.7 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.

#### To establish a safe volume level:

- · Set your volume control at a low setting.
- · Slowly increase the sound until you can hear it comfortably and clearly, without distortion.

#### Listen for reasonable periods of time:

- · 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.

#### Be sure to observe the following guidelines when using your headphones.

- 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.

#### Important (for models supplied with headphones):

Philips guarantees compliance with the maximum sound power of its audio players as determined by relevant regulatory bodies only with the original model of provided headphones. In case this one needs replacement, we recommend that you contact your retailer to order a model identical to that of the original, provided by Philips.

# 1.8 Register your product

To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

As it is possible for you to upgrade your product, we recommend that you also register your product on **www.club.philips.com** so that we can inform you as soon as new and free upgrades are available.

Products from Philips have been designed and manufactured to the highest quality standards. If your product does not work correctly, perhaps the connection and configuration must be revised.

To enhance your home entertainment experience, our support website (www.philips.com/support) offers you the information you need to enjoy your product as well as new additions to our range of products.

Please visit www.philips.com/support and enter the product name (WACS7500) to view:

- FAQ (Frequently Asked Questions)
- · Latest user manuals and PC software manuals
- · Firmware upgrade files for WACS7500 online
- · Interactive troubleshooting

If you register your product at www.club.philips.com, we will be able to inform you as soon as new and free upgrades are available.

**Enjoy your Wireless Music Center & Station!** 

# 2 Your Wireless Music Center & Station

### Congratulations on your purchase and welcome to Philips!

With the Wireless Music Center & Station you can:

- · Stream music from your PC
- · Dock your iPod
- · Plug & play from USB devices
- · Enjoy HD playback

You can store up to 15000 songs in the 80GB Hard Disk of the Center and you can connect up to 5 Stations 5 to Center.

All stored music can be wirelessly streamed from to the connected Stations using Wi-Fi\*. Your CD player and PC are no longer bound by wires.

\* Wi-Fi is used to describe wireless LAN enabled products that are based on the IEEE 802.11 standards. The presence of the Wi-Fi logo indicates that a product has been certified for interoperability.

#### 2.1 What's in the box



WAC7500 Wireless Music Center, 1x

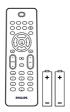


WAS7500 Wireless Music Station, 1x

# **Supplied accessories**



Remote control, 2-way, incl. 4x AAA batteries



Remote control, 1-way, incl. 2x AAA batteries



Power cable, 2x



FM wire antenna, 2x

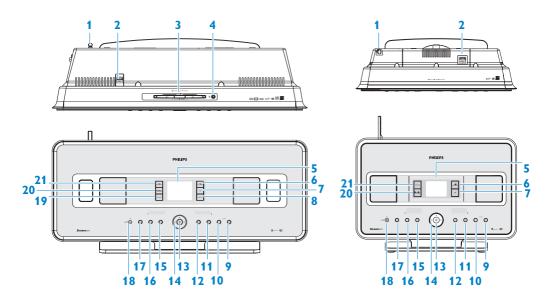


PC Suite CD, 1x



Mounting kit, 1x (for Station)

#### 2.2 Overview Wireless Music Center & Station



# 2.2.1 Controls on Center and Station

- 1 Antenna
- 2 ← USB jack
- 3 Disc slot (loader) (only 
  Insert discs with graphics facing you
- 4 ≜ (only C)
  Ejects a disk from the CD slot
- 5 LCD Display shows the status of the set
- **6 MUSIC FOLLOWS ME**

HD: moves music playback between Center and Station

7 DBB (Dynamic Bass Boost) Toggles the bass enhancement between on (DBB1, DBB2, DBB3) and off 8 SMART EQ (only C)

HD: toggles between sound settings for the current Genre on or off

9 VOLUME +

Adjusts the volume level up

10 VOLUME -

Adjusts the volume level down

11

Stops playback or recording

12 **>>** 

Press to skip to next track / press & hold to fast forward

13 OK / ►II

Confirms selection
Starts or pauses playback

#### **14 4** / **>** / **A** / **V**

Navigation controls (left, right up, down) allow you to scroll through the option lists

 $\triangleleft$ 

**HD/CD/USB/UPnP**: returns to previous option lists

#### **A** / **V**

**HD/CD/USB/UPnP**: skips/searches tracks/passage back/forward (in playback screen)

Fast scroll through options/alphanumeric lists

Radio: tunes to stations

Confirms selection

Radio: enters the list of present stations

#### 15

Press to skip to previous track / press & hold to rewind

#### 16 MENU

Enters or exits setup menu

#### 17 HOME

Selects

HD Music **4**,

CD 💽,

Radio

**UPnP** (Universal Plug & Play)

**Portable** (USB Universal Serial Bus) or, **AUX** (separately connected device)

#### 18 () ON / STANDBY / ECO STANDBY

Press briefly to toggle between modes Standby and ON.

Press & hold to toggle power modes between ON and Eco Standby (powersaving mode).

**Green indicator light** = the set is switched ON.

**Red indicator light** = the set is switched to Standby or Eco Standby.

#### 19 • RECORD (only C)

**CD/Radio/AUX**: starts to record to the HARD DISK (HD)

#### 20 INCR.SURR.

Selects Incredible Surround sound effect

### 21 MUSIC BROADCAST (only C)

**HD**: broadcasts music from Center to Station

# **SMART EQ** (only **S**)

**HD**: toggles between sound settings for the current Genre on or off



The illumination of one corner of the casing is a design element.

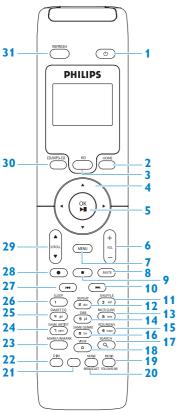
#### 2.3 Overview remote controls

#### Important!

The following features require the use of the 1-way remote control:

- · Internet radio registration
- · Network configuration
- · Editing track information

# 2.3.1 2-way remote control



**1** (

Press briefly to switch the set to ON or Standby

Press & hold to switch the set to Eco Standby (power-saving mode)

#### 2 HOME

Selects

HD Music **4**,



**UPnP** (Universal Plug & Play) .

Portable (USB Universal Serial Bus) , or AUX (separately connected device)

In Standby mode: switches the set ON and selects

HD Music 🛂,

CD [0],

Radio 🚉,

UPnP 🖳

Portable 📋, or

AUX C

#### 3 HD

Selects HD (Hard Disk) source
In Standby mode: switches the set ON
and selects HD (Hard Disk) source

#### 4 4/ 1 1

Navigation controls (left, right, up, down) allow you to scroll through the option lists

**HD/CD/USB/UPnP**: returns to previous option lists

**Text input**: moves the cursor backwards ▲ / ▼

**HD/CD/USB/UPnP:** skips/searches tracks/passage back/forward (in playback screen)

Scrolls fast through options list

Radio: tunes to stations

Confirms selection

Radio: enters the list of preset stations
Text entry: confirms input and moves the
cursor forward

#### 5 OK, ►/II

Confirms selection starts playing

#### 6 VOL +, -

Adjusts the volume level up or down

#### 7 MENU

Enters or exits the setup menu

#### 8 MUTE

Deactivates the sound temporarily

#### 9

Stops playback or recording

#### 10 **>>**

Press to skip to previous track / press & hold to fast forward

#### 11 SHUFFLE (3 def)

Selects random playback

#### **12 REPEAT** (2 abc)

Selects continuous playback

#### 13 INCR.SURR. (6 mno)

Selects Incredible Surround sound effect

### 14 DBB (Dynamic Bass Boost) (5 jkl)

Toggles the bass enhancement between on (DBB1, DBB2, DBB3) and off

#### 15 RDS/NEWS (9 wxyz)

Radio: selects RDS information HD/CD/UPnP/AUX/USB: toggles between NEWS function on and off

#### 16 SAME GENRE (8 tuv)

**HD**: plays all the tracks of the current Genre

#### **17 SEARCH** (♥)

Searches by leading keywords

# 18 MARK/UNMARK (0 \_) (only **\_\_**)

Selects or deselects tracks you want to record (press & hold to select/deselect ALL tracks)

#### 19 MUSIC FOLLOWS ME

**HD**: moves music playback between Center and Station

# 20 MUSIC BROADCAST (only C)

HD: broadcasts music from Center to Station

#### 21 Spare

#### **22 DIM**

Toggles display brightness between dim and normal

#### **23 VIEW**

Toggles between playback screen and previous options list

#### 24 SAME ARTIST (7 pgrs)

**HD**: plays all the tracks of the current artist **HD**: enables wireless range extender (refer to extender's manual for details)

#### 25 SMART EQ (4 ghi)

**HD**: toggles between sound settings for the current Genre on or off

#### 26 **SLEEP** (1 .,?!'@-\_:;/)

Adjusts, displays or switches off the sleep timer

#### 27

Press to skip to previous track / press & hold to rewind

#### **CLEAR**

**Text entry**: deletes the input before the cursor

### 28 **REC** ● (only **C**)

CD/Radio/AUX: starts to record to the HD

#### 29 SCROLL ▲. ▼

Scrolls the display screen up or down

#### **30 CD/MP3-CD** (only **C**

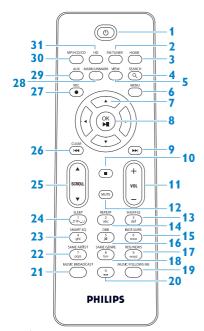
Selects CD source

**In Standby mode**: switches the set ON and selects CD source

#### 31 REFRESH

Synchronizes the displays of the set and the remote control

#### 2.3.2 1-way remote control



1 (

Press briefly to switch the set to  $\operatorname{ON}$  or  $\operatorname{Standby}$ 

Press & hold to switch the set to Eco Standby (power-saving mode)

#### 2 FMTUNER

Selects FM radio

#### 3 HOME

Selects

HD Music **4**,

CD 💽,

Radio 🛅,

**UPnP** (Universal Plug & Play)

**Portable** (USB Universal Serial Bus) , or **AUX** (separately connected device)

In Standby mode: switches the set ON and selects HD Music ...

CD 💽,

Radio 👜,

UPnP , or Portable , or

AUX 🗲

# **4 SEARCH** (♥)

Searches by keywords

#### 5 VIEW

Toggles between playback screen and previous options list

#### 6 MENU

Enters or exits the setup menu

#### **7 ◄**/▶/▲/▼

Navigation controls (left, right, up, down) allow you to scroll through the option lists

4

**HD/CD/USB/UPnP**: returns to previous option lists

Text input: moves the cursor backwards

#### **A** / **V**

**HD/CD/USB/UPnP**: skips/searches tracks/passage back/forward (in playback screen)

Scrolls fast through options list **Radio**: tunes to stations

Confirms selection

Radio: enters the list of preset stations

Text entry: confirms input and moves the cursor forward

#### 8 OK, ►/II

Confirms selection Starts playing

#### 9 🕨

Fast forwards or skips to next track

10

Stops playback or recording

#### 11 VOL +. -

Adjusts the volume level up or down

#### **12 MUTE**

Deactivates the sound temporarily

#### 13 SHUFFLE (3 def)

Selects random playback

#### **14 REPEAT** (2 abc)

Selects continuous playback

#### 15 INCR.SURR. (6 mno)

Selects Incredible Surround sound effect

#### 16 DBB (Dynamic Bass Boost) (5 jkl)

Toggles the bass enhancement between on (DBB1, DBB2, DBB3) and off

# 17 RDS/NEWS (9 wxyz)

Radio: selects RDS information HD/CD/UPnP/AUX/USB: toggles between NEWS function on and off

# 18 SAME GENRE (8 tuv)

**HD**: plays all the tracks of the current Genre

#### 19 MUSIC FOLLOWS ME

**HD**: moves music playback between Center and Station

20 (0 \_)

# 21 MUSIC BROADCAST (only C)

**HD**: broadcasts music from Center to Station

#### 22 SAME ARTIST (7 pqrs)

**HD**: plays all the tracks of the current artist **HD**: enables wireless range extender (refer to extender's manual for details)

#### 23 SMART EQ (4 ghi)

**HD**: toggles between sound settings for the current Genre on or off

#### 24 SLEEP (1 .,?!'@-\_:;/)

Adjusts, displays or switches off the sleep timer

#### 25 SCROLL ▲, ▼

Scrolls the display screen up or down

#### 26

Rewinds or skips to previous track

#### **CLEAR**

**Text entry**: deletes the input before the cursor

#### 27 REC • (only **C**)

CD/Radio/AUX: starts to record to the HD

# 28 MARK/UNMARK (0 V) (only C)

Selects or deselects tracks you want to record (press & hold to select/deselect ALL tracks).

#### **29 AUX**

Selects AUX (separately connected device)

# 30 CD/MP3-CD (only C)

Selects CD source

**In Standby mode**: switches the set ON and selects CD source

#### 31 HD

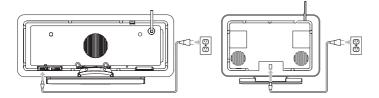
Selects HD (Hard Disk) source
In Standby mode: switches the set ON
and selects HD (Hard Disk) source

# 2.4 Overview display

# Icons of the LCD:

Icon	Description	Icon	Description
<b>-()</b> -	Client connected	¢	Repeat all
<b>-4&gt;</b> -	Client not connected	1-02	Repeat 1
£3	Music	×	Shuffle
<u>ें</u>	Radio		Alarm
<b>Q</b>	UPnP	2	Music broadcast
•	Aux mode	•	Music follows me
•	CD mode	986	Mute
A HD Music	HD mode	ME	RDS
Radio	Radio mode	ZZ	Sleep
O CD-RIP	Record (rip) mode	•	Smart EQ
UPnP	Transfer mode	Yii	Wi-Fi connected
Portable	USB mode	20	Wi-Fi and Ethernet connected

# 3 Installation



# 3.1 Install Center ( ) and Station ( )

# **⊜** Note

Before you decide where and how to install the set, test the Wi-Fi connection and rear cable connections to find a suitable location.

You can install in two ways, free standing (using the supplied stands) or wall mounted (without the stands). Use the free standing. For the we have enclosed a wall mounting kit.



#### (free standing)



(wall mounted)

To learn more about wall mounting, see 18 Appendix on How to mount Station to a wall.

#### 3.2 Connect AC power

**Important!** Always press & hold  $\odot$  to switch the set to power-saving mode before removing its power plug.

Ensure that all rear connections are established before you power up the set.

Connect the AC power cord to the mains outlet. The set is now powered up (switched on).

When in Standby or Eco Standby mode, and still consume some power.

To disconnect the system from the power supply completely, remove the power plug from the mains outlet.

For users in the U.K., please follow the instructions on page iii.

#### 3.3 Set up Wi-Fi connection between Center ( ) and Station ( )



- Always press & hold to switch the set to Eco standby (power-saving mode) before removing its power plug.
- Always power up the first, and then power up the s.
- Never block C from S by thick walls or more than one wall.
- · Avoid installation near large metal objects.

The Wi-Fi connection starts automatically when you power up both **C** and **S**.

The first time you set up a Wi-Fi connection place and side by side on a level and sturdy surface.

- 1 Using the supplied power cables, connect first and then 5 to the power supply.
- > and s are ready for use.

# € Tip

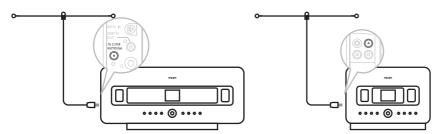
For better Wi-Fi reception, rotate the Wi-Fi antenna or adjust the location of and .

#### 3.4 Rear connections

# Note

- · Never connect or disconnect power cables when the mains supply is switched on.
- Install and within easy reach of suitable AC power outlets.

#### 3.4.1 Connect antennas



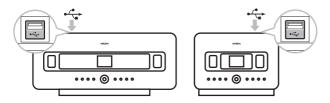
- Extend wire antenna.
- 2 Connect wire antenna to FM antenna jack:
- 3 Optional: To improve FM reception you can install an extension line (sold separately) between the wire antenna and the antenna jack.
- 4 Unwind the antenna extension line completely.
- **5** Move it in different directions to find the optimal reception (if possible, keep it away from the TV, VCR or other radiation sources).
- 6 For best results elevate or ceiling-mount the antenna.

#### 3.4.2 Connect a portable (USB) device

On or s, you can play back music from a portable device.

You can also transfer music from the library on contable device.

1 Insert the USB plug of the portable device into the socket ← on □ or □.



#### For portable devices with USB cable:

- 1 Insert one end of the USB cable (not supplied) into the socket ← on or .
- 2 Insert the other end of the USB cable into the USB output terminal of the portable device.

To play back music from the portable device:

- 1 Press HOME.
- 2 Select **PORTABLE** .
- 3 Select USB.
- > Your portable device is displayed.
- **4** Use ▲ or ▼ and ▶ to select your music.

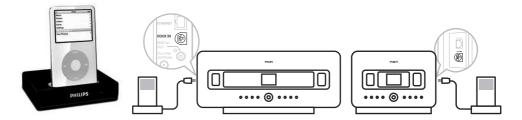
For more details and instructions on how to record music to the portable device: See **10 External** sources.



- **C** and **S** only support portable (USB) devices that adhere to the following standards:
  - USB MSC (Type '0')
  - USB MTP
  - File system in FAT12 / FAT16 / FAT32
  - Operations based on simple folder type navigation (also known as a normal FAT file system), and not based on proprietary track database.

# 3.4.3 Connect your iPod (optional)

You can connect your iPod (not supplied) to or susing Philips docking cradle and data/audio cable (Philips docking cradle for iPod, model DC1050 sold separately). Now you can enjoy the music library in your iPod via the sophisticated speaker system of the set. You can even charge your iPod at the same time.



To play back music from your iPod:

Press HOME and select Portable (iPod) .
 Your iPod is displayed.

2 Use ▲ or ▼ and ▶ on the remote control (or use the navigation control of your iPod) to select the music in your iPod menu system.
(See also 10 External sources).

#### 3.4.4 Connect additional appliances

It is possible to play audio output from an external source, e.g. TV, VCR, Laser Disc player, DVD player on . You can also record the audio output to the music library in the HD of .

#### On the additional appliance

Connect one end of the audio cable (not supplied) to the AUDIO OUT terminals on the additional appliance.

#### On C or S

Connect the other end of the audio cables to the **AUX IN** terminals on **C** or **S**.

To play back audio output from the additional appliance:

- On or new press HOME and select AUX .
   Your additional appliance (external source) is displayed.
- 2 On your additional appliance, use the controls as you normally would. (See also 10 External sources).

To record audio output to the library (HD) of , see section **HD: Building music library on** Center.

# ↔ Tip

- If the connected device has only one single audio out terminal, connect it to the AUX IN left terminal. (Alternatively, you can use a 'single to double' cinch cable, but the sound output is still mono).
- Always refer to the user manual of your other equipment for complete connection.

#### 3.4.5 Connect an additional device with external speakers

To enjoy the good sound quality of the product's speakers with an additional device, e.g. a mini Hi-Fi system, use red/white audio cables (not supplied) to connect **C** to the external device.

# On C

1 Connect the red plug of the red/white audio cable (not supplied) to the red socket LINE OUT R and the white plug to the white socket LINE OUT L.

#### On the additional device

- 2 Connect the other end of the audio cable to the AUX IN terminals.
- 3 Select AUX mode on the connected additional device.

# 4 Prepare

#### 4.1 Set the clock

The time can be displayed in 24-hour or 12-hour format. You can set up your clock on . There are two methods to set the clock, RDS automatic time synchronization and manual time set-up.

#### RDS auto time sync:

If you have preset RDS radio stations, you can synchronize the clock with one of the RDS stations.

1 Press MENU to enter the menu screen.



2 Use ▲ or ▼ and ▶ to select **Settings** followed by **Time**.



3 Use ▲ or ▼ and ▶ to select Auto Time Sync.



- 4 Use ▲ or ▼ and ▶ to select the RDS radio station you wish to synchronize the clock with.
- > The screen shows a confirmation screen:

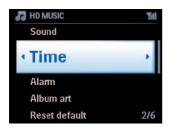


#### Manual time set:

1 Press **MENU** to enter the menu screen.



2 Use ▲ or ▼ and ▶ to select **Settings** followed by **Time**.



- 3 Use △,  $\lor$ , or the numeric keypad (0-9), and  $\blacktriangleright$  to select **Set Time**.
- > The display shows current clock setting (00:00 by default)

**4** Use  $\blacktriangle$ ,  $\blacktriangledown$ , or the numeric keypad (0-9) repeatedly to set the hours followed by the minutes.



5 Confirm with OK.

# (A) Tip

- Change to 12-hour or 24-hour format:
  - 1 In the Time menu, select **Time Format**.
  - 2 Use ▲ or ▼ and ▶ to select your option.
- If you disconnect the power supply (pull the mains plug), the clock will be reset (settings will not be saved).

#### 4.1.1 View the clock

1 Press & hold VIEW button for about 5 seconds. The clock will appear briefly in the display.

# ⊕ Tip

- In Standby mode, you can briefly press VIEW to turn on the LCD backlights and view clock more clearly.
- If you disconnect the power supply (pull the mains plug), the clock will be reset (settings will not be saved).

#### 4.2 Remote control

The set is supplied with a 2-way remote control and a 1-way remote control. You can use these to control functions on .

# **⊜** Note

Use the 1-way remote control for Station management, Network configuration, and to Edit track information. The 2-way remote control cannot be used for these tasks.

#### Important!

- Always point the remote control directly towards the IR sensor on or you wish to operate.
- First, select the source you wish to control by pressing one of the source select keys on the remote control (for example CD/MP3-CD, HD, FM TUNER, AUX).
- Then select the desired function (for example ►/II / ◄ / ►).

#### 4.2.1 Remote control battery installation

#### Caution!

#### To avoid the risk of explosion:

- · Do not puncture, cut, or manipulate batteries in any way and do not throw them into the fire.
- · Do not short-circuit the battery terminals.

#### To avoid burn injuries:

· Wear protective gloves when you handle leaking batteries.

### To avoid leakage of corrosive battery fluid and damage to the product:

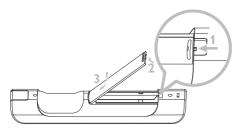
- · Always replace all batteries at the same time
- · Do not mix old and new batteries or batteries of different types.
- · Replace batteries immediately if they are exhausted.
- Always remove the batteries, if the remote control will not be used for a longer period of time.

#### To avoid batteries being accidentally swallowed:

 Always keep them out of reach of children and pets. (Consult a physician immediately, if a battery has been swallowed!)

#### Installing batteries:

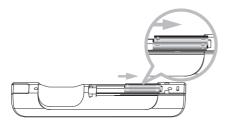
Open battery compartment.



#### Install into

- 2-way remote control: 4 batteries type LR03 or AAA.
- 1-way remote control: 2 batteries type LR03 or AAA.

Observe correct polarity (refer to '+' / '-' symbols inside the battery compartment).



Close battery compartment.

#### IMPORTANT BATTERY INFORMATION!



Batteries containing hazardous substances are marked with the crossed-out wheeled bin. The symbol indicates that it is prohibited to dispose of the product with the domestic refuse. The chemical symbols for the respective hazardous substances are Cd = Cadmium, Hg = Mercury, Pb = Lead.

You - as the user - are legally obliged to dispose of all batteries in accordance with your local regulations or to return them to the shop where you purchased the batteries.

Thus, you fulfill your legal obligations and contribute to environmental protection!

### 4.2.2 Remote control, 2-way

You can choose to use the 2-way remote control to operate either or Depending on the level of interference, you can also select your preferred operational mode: Enhanced Mode or Normal Mode.

**Important!** To save battery power, if no buttons are pressed for approx. 15 seconds, the 2-way remote control enters idle mode. Press any button to reengage the control.

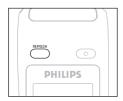
Center (default): to operate

Station: to operate S

**Enhanced Mode** (default): This mode offers a better range (distance and angle). Use this mode if there is no interference from a plasma TV nearby.

**Normal Mode**: Choose this mode if there is interference from a plasma TV nearby that is distorting the display of the 2-way remote control.

1 Press & hold REFRESH until the Select Device screen appears in the display of the 2-way remote control.



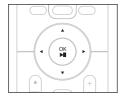
- 2 Use ▲ or ▼ to highlight and ▶ to select **Center** or **Station**.
- 3 Use ▲ or ▼ to highlight and ▶ to select **Normal Mode** or **Enhanced Mode**.
- 4 Confirm with OK.

# ❸ Tip

- Avoid placing or some near a plasma TV. The interference may distort the display on your 2-way remote control.
- The status of control is synchronized into the display of the 2-way remote control, so it is easier to operate the remote control.
- To synchronize the remote control display after activating the  $\bigcirc$  button on the set, press **REFRESH** on the remote control of Center.

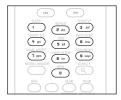
# 4.3 Navigation controls

- 1 Use the navigation controls 
  / ▶ / ▲ / ▼ when navigating through options.
- 2 Highlight options with ▲ / ▼.
- 3 Enter submenus with >.
- 4 Confirm selections with **OK** or **▶**.



# 4.4 Alphanumeric keys

- 1 Use the alphanumeric keys to enter letters or numbers.
- 2 When the text box appears, press the alphanumeric keys repeatedly until the desired letter/number appears.



- 3 Use 
  / ▶ to move the cursor back / forward.
- **4** Press **★** to delete the entry before the cursor.
- 5 Press OK to close the text box and move to the next option list.

# Note

You will enter the previous / next option list if the cursor reaches the beginning or the end of the text box.

# 5 Basic functions

#### 5.1 Power modes and functions

When you plug the product into your mains supply, it powers up and is in power mode **ON**. The  $\bigcirc$  button allows you to change the power mode. A colored light in the button indicates the current power mode:

Center (C) / Station (S):

Status	<b>Button indicator light</b>
ON	green
Standby	red
Eco Standby	red
(power-saving mode)	



Status	STANDBY	ECO STANDBY
Characteristics	fast boot	slow boot
Display	dimmed	off
Remote control	on standby	off
Streaming	on standby	off

**1** When the set is ON (green button light), press 0:

\_\_\_\_\_ / \_s switches to Standby mode.

The button light changes from green to red.

: The screen dims.

The display shows connected (or last connected)

S: The screen dims.

The display shows the connected (or screen will remain blank if no is found )

During Standby the display shows the time (or display shows —:— if you have not set the clock).



To switch the \_\_\_\_\_ / \_\_\_ back ON again,

a press  $\bigcirc$ .

\_\_\_\_ / S switches ON and remembers the last source selected: The button light changes from red to green.

#### OR

- b press one of the source buttons on the remote control, CD/MP3-CD (only ), HD, FM TUNER, AUX, or HOME.
- 2 To select functions, press HOME once or more times (CD/MP3-CD (only ), HD, or HOME on remote control).



# ❸ Tip

- CD/MP3-CD source is only available on .
- FM TUNER and AUX source buttons are only available on the 1-way remote control.

### 5.2 Eco Standby (power-saving mode)

In the power-saving mode Eco Standby, the display and Wi-Fi connections of the product are turned off. The HD (Hard Disk) of calso becomes inactive. When call is switched to Eco Standby, you cannot stream music between call and continuous or import music from the PC to call. During Eco Standby the remote controls are inactive.

1 With the set switched ON, press & hold  $\circlearrowleft$ :

C / S changes to Eco Standby.

The button lights up red.

The display is switched off.

2 To switch the \_\_\_\_ / \_S ON, press \_O on the set. (The remote controls are still inactive.) \_\_\_\_ / \_S switches to the last source selected.

# ❸ Tip

- In the power-saving mode Eco Standby, the settings for networking, sound, display, language and CD recording, as well as the tuner presets, and the volume level (maximum: moderate level) will be retained in the memory of the set.
- To protect the HD, always switch to Eco Standby before removing its power plug from the mains outlet.
- · Remember that the remote controls are inactive during Eco Standby.

# 5.3 Auto-Standby

If at the end of playback / recording (ripping) the set remains in the stop mode for longer than 20 minutes, the set will automatically switch to Standby mode in order to save power.

#### 5.4 Volume control

- Check that playback has started.
- 2 Adjust the volume with **VOL** +/- buttons.
- > Display shows a horizontal bar indicating the volume level.



#### **5.5 MUTE**

During playback, you can deactivate the sound without switching off the set.

- 1 To deactivate the sound, press **MUTE**.
- > appears.

Playback continues without sound.

- 2 To reactivate the sound, press MUTE again or adjust the volume with VOL +.
- > The icon and disappears.

#### 5.6 Sound control

#### 5.6.1 Smart equalizer

This function enables you to play music of the current genre with the matching sound settings.

- 1 During playback, press **SMART EQUALIZER**
- > appears if Smart Equalizer is activated.
- 2 To deactivate the Smart Equalizer, press **SMART EQUALIZER**
- > 🏻 disappears.

#### 5.6.2 Equalizer

Equalizer enables you to select predefined sound settings.

#### Set Equalizer:

- 1 Press MENU to enter the menu screen.
- Use ▲ or ▼ and ▶ to select Equalizer.
- 3 Use ▲ or ▼ and ▶ to select Rock, Pop (default), Jazz, Neutral, Techno, Classical, Treble/Bass.
- 4 Confirm with OK.

#### Set Treble or Bass:

- 1 Press MENU to enter the menu screen.
- 2 Use ▲ or ▼ and ▶ to select Settings, followed by Treble or Bass.
- 3 Navigate ◀ / ▶ / ▲ / ▼ to highlight your option: Treble (+3 to -3), Bass (+3 to -3)

### 5.6.3 DBB (Dynamic Bass Boost)

Press **DBB** (Dynamic Bass Boost) once or more times to change the bass settings. Select your option: **DBB OFF** (default), **DBB 1**, **DBB 2**, or **DBB 3**.

## ❸ Tip

Some discs might be recorded in high modulation, which causes a distortion at high volume. If this occurs, switch off DBB or reduce the volume.

#### 5.6.4 Incredible surround

Press INCR. SURROUND (INCR. SURR. on the 1-way remote control) once or more times to toggle the surround sound effect **On** and **Off**.

Display shows: IS ON or IS OFF.

### 5.7 Display adjustment

With the controls on (or on the 1-way remote control) you can adjust the backlight and contrast settings of the display.

- 1 Press MENU to enter the menu screen
- 2 Use ▲ or ▼ and ▶ to select **Settings**, followed by **Display**.
- 3 Press ▲ / ▼ and ▶ to select Backlight or Contrast:

### **Backlight**

1 Press ▲ or ▼ and ▶ to select On or Off.

#### Contrast:

1 Press ▲ or ▼ to increase or reduce the contrast.



## Note

You can also toggle the Backlight On and Off by pressing DIM on the 1-way remote control.

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### 5.8 Selecting languages

- 1 Press MENU to enter the menu screen.
- 2 Use ▲ or ▼ and ▶ to select **Settings**, followed by **Language**.
- 3 Use ▲ or ▼ and ▶ to choose English, Français, Español, Nederlands, Italiano or Deutsch.

#### 5.9 Sleep

You can preset a certain period of time after which or will switch to Standby mode.

- 1 On the remote control, press SLEEP repeatedly to select the desired time period (in minutes):
- Display shows in sequence: Sleep 15, 30, 45, 60, 90, 120, OFF.
- 2 Select the desired time period.
- > Display shows the selected option briefly and returns to its previous status. appears when a time is selected.
- 3 To view the countdown time to Standby mode, briefly press SLEEP again.

When the selected sleep time expires, or sautomatically switches to Standby mode.

- 4 To deactivate the sleep timer before the sleep time expires, press SLEEP repeatedly until SLEEP OFF is selected.
- > The icon **z** disappears.

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#### 5.10 Alarm

Important! The clock must be set correctly before the alarm is set.

### 5.10.1 Set alarm / alarm time / repeat mode

- 1 Press MENU to enter the menu screen.
- Use ▲ or ▼ and ▶ to select Settings.
- 3 Use ▲ or ▼ and ▶ to select Alarm, followed by Alarm On or Off.
- > The Alarm Time screen appears.
- 4 In the Alarm Time screen, use ▲ or ▼ and ▶ to enter the hours and minutes.
- 5 Confirm the alarm time with OK or ▶.
- 6 Use ▲ or ▼ and ▶ to select repeat mode Once or Daily.
- > The screen briefly shows **Alarm On** and **appears** in the display.



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## 6 HD (Hard Disk)

#### 6.1 Play HD Music

- 1 Check that or is switched ON or in Standby mode (see 5 Basic functions).
- 2 Press **HOME** and select **HD Music** (or press **HD** on remote control).
- > Display shows **HD Music** and the categories of your music library: **Playlists**, **Artists**, **Albums**, **Genres**, **All tracks**.



**Playlists**: customizable collection of your favorite tracks sorted by playlist name in alphanumeric order.

Artists: collection of albums sorted by artist name in alphanumeric order.

**Albums**: collection of albums sorted by album name in alphanumeric order.

Genres: collection of albums sorted by music style (only if album information available).

All tracks: All tracks sorted by track name in alphanumerical order.

3 Use ▲ or ▼ and ▶ to select your option.

#### 6.2 Search

### 6.2.1 Search by keywords

The keyword should be the first letter or word in the title of the track you wish to search for: By entering a keyword, you can quickly find all the items beginning with the keyword you entered (note that this feature is case sensitive).

- 1 Navigate 
  ✓ / ► / ★ / ▼ to enter desired option list of tracks, albums or playlists.
- 2 On remote control, press SEARCH
- > Display: text box appears



- 3 Use alphanumeric keys to enter keyword (maximum 8 characters) (see 4.4 Prepare: Alphanumeric keys)
- 4 Press OK to start searching
- > Display: Searching...

Searching starts from the beginning of current option list.

The matched items appear at the top of the list.

The option list automatically shows the closest match in the alphabet if no match is found. Display: **Searching...** disappears.

**5** Press **STOP** ■ to stop searching.

## ❸ Tip

Searching will also stop when:

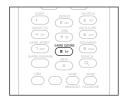
- · you select another source
- · you switch off the set

#### 6.2.2 Select track of same artist

- 1 During playback, press **SAME ARTIST**
- > Playback of found tracks by the current artist continues after current track.

### 6.2.3 Select track of same genre

- 1 During playback, press SAME GENRE
- > Playback of found tracks of same genre as current track continues after current track.



## ⊕ Tip

Not all tracks have an automatic genre tag, so you may have to manually assign a genre for your tracks when loading them to the HD of **C**.

### 6.2.4 Find track in current album (during playback)

In playback screen, navigate with ▲ / ▼ to select track in current album during playback.

#### 6.2.5 Find passage in current track (during playback)

- 1 In playback screen, press & hold ▲ / ▼ or <</br>
- > Track gets scanned at high speed.
- 2 When you found the passage you want, release ▲ / ▼ or <</br>
- > Normal play resumes.

### 6.3 Play modes REPEAT, SHUFFLE

- plays the current track continuously
- repeats all the tracks (under current selection of playlist, artist, genre, album, or All tracks)
- repeats all the tracks (under current selection of playlist, artist, genre, album, or All tracks) in random order
- plays tracks (under current selection of playlist, artist, genre, album, or All tracks) in random order
- 1 During playback press **REPEAT** or / and **SHUFFLE** once or more times to select desired play mode. The play mode icons appear in the display.
- 2 To return to normal playback, press REPEAT or / and SHUFFLE repeatedly until the various mode icons disappear from the display.

## **⊜** Note

If is active, it will be deactivated when pressing SHUFFLE. To activate / press first SHUFFLE, then REPEAT 1.

## 6.4 Build music library on Center ( )

### Important!

- Recording is permitted only if there is no infringement of copyrights or any other rights of third parties.
- For CDs encoded with copyright protection technologies used by some record companies, recording will be restricted.
- The making of unauthorized duplicates 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.



You can build a music library in the HD of by ripping from CDs, importing from PC and recording from external sources.

### 6.4.1 Rip music from CDs

### Important!

Ripped files are first stored in a temporary memory:

Do not switch the Center to standby - wait until Center has fully processed the files and automatically switches to standby. While the Center is processing the files, you can continue to listen to your music.

With the , you can rip audio CD tracks from your CDs and store them as MP3 files in the HD of . The Gracenote MusicID® enables your set to look up CD information (including album, artist, genre, track information) from its database. It allows the recorded CD tracks to be properly categorized (for example, under artist, albums, genres or all tracks) and also to be merged with the existing tracks in the HD. To update your Gracenote® Media Database, see the section 12 Connect to your PC in this manual.

Music recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information, please visit www.gracenote.com.

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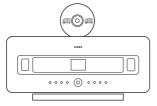
## **⊜** Note

When ripping CDs without active internet connection, the album art will not be shown. The local copy of the Gracenote® database does not contain album art.

### Rip from a CD at high speed:

(Audio CD, MP3/WMA CD)

1 Insert CD with printed side facing you:



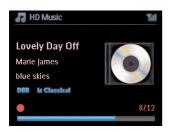
For MP3/WMA CD, press on a highlighted file folder to enter the track list.



- 2 In the track list screen, press **RECORD** (remote control **REC**).
- > List of tracks with check boxes appears:



- 3 Press MARK/UNMARK to select/deselect tracks (hold MARK/UNMARK to select/deselect all tracks).
- 4 Press RECORD (REC) to start ripping.
- > Display shows **CD-Rip** and the current track name.



(A default album name, e.g. Album\_001 is assigned if the CD track information cannot be found in the Gracenote® database.)

- > Center returns to CD mode when ripping is complete.
- 5 To rip another CD repeat steps 1 to 4 again.
- 6 To stop ripping, press STOP ■.

#### 6.4.2 Import from your PC

The Wireless Audio Device Manager (WADM) in the supplied PC installer helps you organize music files on your PC and import them into . For details, see the section 12 Connect to your PC in this manual.

#### 6.4.3 Record from radio or external source

A maximum recording time of 3-hours can be made from the radio or an external source.

1

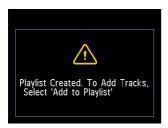
- a In Radio mode, tune the desired radio station (see 8.1 FM radio: Tuning radio stations).
- **b** In AUX mode, start playback from the external source.
- 2 Press RECORD
- > The recoding starts.
- 3 Press STOP to stop recording.

The recording will be saved as a file under RADIO or AUX in Albums. A file name is assigned, e.g. Radio 01, or Aux 01.

### 6.5 Create a playlist

A playlist is a custom collection of your favorite music. You can create up to 99 playlists in the HD of ...

- 1 In HD Music mode, press MENU to enter the menu screen.
- 2 Use ▲ or ▼ and ▶ to select Create Playlist
- A new playlist is created (a default album name, e.g. Playlist\_001, is assigned).
  Display shows: Playlist created. To add tracks, select Add to Playlist.



- Navigate with ◀ / ▶ / ▲ / ▼ to highlight the desired Track or All tracks.
- Select Add to Playlist.
- 3 Press MENU to enter the menu screen.
- 4 Use ▲ or ▼ and ▶ to display the selection of playlists.
- 5 Use ▲ or ▼ and ▶ to select the desired playlist.
- > Display shows all added tracks in playlist.
- 6 Repeat steps to select and store all desired tracks.

## 6.6 Delete a playlist, album or track

This feature works only on ....

- 1 Navigate with ◀ / ▶ / ▲ / ▼ to enter a category (Playlist, Artists, Albums, Genres, All tracks).
- 2 If necessary, press ▲ or ▼ and ▶ once or more times to highlight the playlist album or track you wish to delete.
- 3 Press MENU to enter the menu screen.
- 4 Use ▲ or ▼ and ▶ to select **Delete Playlist**, **Delete Album** or **Delete Track**
- 5 Press ▶ to select **Yes**.



#### 6.7 View track information

## Note

The feature View track information is only available in mode HD Music.

1 Use the VIEW button on the remote control to toggle the display between the HD playback screen and the track list screen.



To view more track information:

1 In HD playback screen, press ▶ to display the full view album art screen.



2 In full view album art screen, press 

to return to the HD playback screen

### 6.8 Backup to PC

The Wireless Audio Device Manager (WADM) in the supplied PC Suite CD allows you to backup contents on the HD to your PC. The backup files on your PC can be subsequently restored to fit the files on the HD are lost or corrupted. For details, see the section 12 Connect to your PC in this manual.

## 6.9 Move music playback between Center ( ) and Station ( )

You can connect up to 5 Stations 15 to Center 16 via Wi-Fi, so your music playback can be moved between Center 16 and Stations 15. You and your family will be able to enjoy and share music with ease wherever you are in your home.

#### 6.9.1 MUSIC FOLLOWS ME

As you move around at home, let the music move with you between and or between and ...

## On the source unit (5) where music is playing:

- 1 Press MUSIC FOLLOWS ME to stop playback from that unit and activate the function.
- > The icon appears on the displays of Center and Station.

## On the destination unit ( or ) where you want to listen:

- 2 Press MUSIC FOLLOWS ME to activate the playback.
- The icon a disappears from the displays of and s, and the music will start to play. Simultaneously, the music (audio output) of the source unit is stopped.

Any selected play modes (e.g. will be retained on the destination unit (see **6.3 Play modes REPEAT, SHUFFLE**).

3 To stop MUSIC FOLLOWS ME, press STOP ■ on the destination unit.

## (3) Tip

- MUSIC FOLLOWS ME will be automatically deactivated if you do not activate MUSIC FOLLOWS ME on the destination unit within 5 minutes
- To deactivate MUSIC FOLLOWS ME, press MUSIC FOLLOWS ME again.
- After activating MUSIC FOLLOWS ME on the destination unit you can select other tracks or source for playback.

#### 6.9.2 MUSIC BROADCAST

MUSIC BROADCAST allows you to broadcast music from Center ( ) to Stations ( ).

## On Stations (5)

1 Check that **S** is switched on or in standby mode (see **5 Basic functions**).

## On Center ( )

- 2 In HD source, play back the music that you wish to broadcast to Stations (S).
- 3 Press MUSIC BROADCAST to activate the function.
- > The icon appears on Center ( ) and Stations ( ). A countdown of 5 seconds starts.



## On C and S:

The selected music starts to play simultaneously after about 5 seconds.

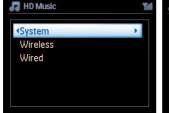
4 To stop MUSIC BROADCAST, press STOP ■ on **C**.

## ❸ Tip

- To exit MUSIC BROADCAST on ⑤, press STOP on ⑤. To broadcast music to ⑤ again, press STOP on ⑥, and then start playback again and activate MUSIC BROADCAST on ⑥ again.
- MUSIC BROADCAST will also stop when:
  - c is switched to Standby mode or Eco Standby mode
  - the selected album or list (Playlist, Artist, Genre,...) has reached the end

### 6.10 View system information

- 1 Press MENU to enter the menu screen.
- 2 Use ▲ or ▼ and ▶ to enter Information menu. The display shows: System, Wireless and Wired.
  - a Use ▲ or ▼ and ▶ to select **System**.
  - > Name of or and firmware version (on also: free hard disk space) is shown on the display:





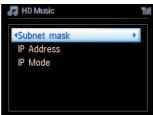
- b Use ▲ or ▼ and ▶ to select Wireless.
- > List of available information items (e.g. SSID, Wireless Mode, WEP Key, MAC Address, Subnet mask, IP Address, and IP Mode) is shown on the display:





- c Use ▲ or ▼ and ▶ to select Wired.
- > List of available information (e.g. Subnet mask, IP Address, and IP mode) are shown on the display:





#### 6.11 Edit track information

## **⊜** Note

Use the 1-way remote control to **Edit track information**. The 2-way remote control cannot be used for this task.

You can edit track title, album name, etc. on C:

- 1 Press HOME to select HD.
- 2 Use ▲ or ▼ and ▶ to select the track to be edited.
- 3 Press MENU.
- > 'Edit' is shown on the LCD display
- 4 Use ▲ or ▼ and ▶ to select Edit.
- > Now you can start editing track information by following the sequence:

### Edit track title > Edit Artist name > Edit Album name > Edit Genre name

**5** Press the following keys on remote control to edit track information:

Alphanumeric keys	Insert text into the current position.	
◀	Move highlight to previous editing position. In leftmost position:	
	press to move to previous screen.	
<b>•</b>	Move highlight to next editing position.	
H	Press briefly to delete highlighted text, Press & hold to delete all text.	
ОК	Confirms text and enters next screen.	

When you completed your editing, the LCD shows 'Updating...' followed by 'Update success' (or 'System busy, please edit later' if the update was not successful).

## ⊕ Tip

- If no key is pressed for 60 seconds, the edit screen will disappear without saving anything.
- · You can enter an editing string of max. 21characters.
- You can also edit album/playlist names. (All tracks in that album/playlist will bear the new album/playlist name.)

<b>A</b>	Press briefly to skip to previous character, Press & hold to fast scroll through the character list	
•	Press briefly to skip to next character, Press & hold to fast scroll through the character list.	

# 7 CD (Center only)

### 7.1 Supported discs

You can play the following discs on the system:

- Pre-recorded audio CDs (CDDA)
- Finalized audio CD-Rs and CD-RWs (12cm CD / 8cm CD, 185 MB / 200 MB)
- MP3WMA-CDs (CD-R/CD-RWs with MP3/WMA files)
- AAC-CDs (MPEG4 AAC LC raw format, .m4a/.m4b files)

**Important!** This system is designed for regular discs. Therefore, do not use any accessories such as disc stabilizer rings or disc treatment sheets, etc.

#### About MP3/WMA

The music compression technology MP3 (MPEG1 Audio Layer 3) and WMA (Windows Media Audio) significantly reduces the digital data of an audio CD, while maintaining the sound quality.

Windows Media Audio® is a registered trademark of Microsoft Corporation.

### Supported formats:

- Disc format ISO9660, Joliet, UDF (created on Adaptec Direct CD v5.0 and Nero Burning ROM UDF v5.5) and multi-session CDs
- MP3 bit rate (data rate): 32-320 Kbps and variable bit rate.
- 8-cm and 12-cm CD-R/CD-RW up to 730MB
- · Directory nesting up to a maximum of 8 levels
- · Directory nesting up to a maximum of 8 levels
- MP3 VBR, WMA VBR
- AAC (MPEG4 AAC LC raw format, .m4a/.m4b files)

### The system does not play or support the following:

- Empty albums that do not contain any MP3/WMA files and hence will not be displayed.
- Unsupported formats are skipped (e.g. files with .doc extension are ignored).
- DRM protected WMA files
- · WAV, PCM audio files
- WMA files in lossless format

## ⊕ Tip

- Make sure that MP3 files end on extension .mp3, WMA files end on extension .wma, and AAC files end on extension .m4a or .m4b.
- To burn/convert DRM protected WMA files use Windows Media Player 10 (or later.Visit www. microsoft.com for details about Windows Media Player and WM DRM (Windows Media Digital Rights Management).

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## 7.2 Play discs

- 1 Insert CD into CD loader slot on with printed (label) side facing you.
- > Display shows: Reading CD.

**Audio CD**: list of tracks appears (Track information may not appear, if it is not found in the HD database and if there is no Internet connection to update the missing information from the Gracenote® service site.)

MP3/WMA CD: list of albums appears.

### Display shows:

. ,			
Others	MP3/WMA/AAC files that are not sorted into albums (folders)		
	located in the root directory of the disc.		
CDDA	CDDA files on an enhanced CD or a mixed mode CD.		
All tracks	tracks All supported files in any albums (folders) on the disc.		

- 2 Press the navigation controls ▲ or ▼ and ▶ to select your option.
- 3 Press ►II to start playback
  - On a highlighted album, to start playback of album.
  - On All tracks, to start playback of all tracks on disc.

4

- a To temporarily pause playback, press ►II.
- **b** To resume playback, press button again.
- 5 To stop playback, press STOP ■.
- **6** To remove disc, press **EJECT** on Center.

CE

### 7.2.1 Search by keywords

The keyword should be the first letter or word of the album title, artist name, track title, genre name, or playlist name you wish to search for: By entering a keyword, you can quickly find the item that most closely matches to your search criteria. The search cursor will stop at the closest alphabetical match in the list.

## **⊜** Note

The keyword search is supported in modes HD Music and USB only.

- 1 Navigate 
  ✓ It o enter desired option list of albums, artists, tracks, genres or playlists.
- 2 On remote control, press SEARCH Display: text box appears



- 3 Use alphanumeric keys to enter keyword (maximum 8 characters) (see 4.4 Prepare: Alphanumeric keys)
- 4 Press OK to start searching
- > Display: Searching...

Searching starts from the beginning of current option list.

The matched items appear at the top of the list.

The option list automatically shows the closest match in the alphabet if no match is found. Display: **Searching...** disappears.

## ↔ Tip

The search will also stop when:

- · you select another source
- you switch off the set

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### 7.2.2 Find track in current album (during playback)

In playback screen, press  $\blacktriangle$  /  $\blacktriangledown$  (or  $\blacktriangleleft$  /  $\blacktriangleright \!\!\! \blacktriangleright$  ) to select previous or next track in current album during playback.

#### 7.2.3 Find passage in current track (during playback)

- 1 In playback screen, press & hold ▲ / ▼ (or ⋈ / ⋈) to scan currently playing track at high speed.
- 2 When you found the passage you want, release ▲ / ▼ (or < / > b) to resume normal playback.

## 7.3 Play modes REPEAT, SHUFFLE

- plays the current track continuously
- repeats all the tracks (under current artist, genre, or album)
- repeats all the tracks (under current artist, genre, or album) in random order
- plays tracks (under current artist, genre, or album) in random order
- 1 During playback press **REPEAT** or / and **SHUFFLE** once or more times to select play mode.
- 2 To return to normal playback, press REPEAT or / and SHUFFLE repeatedly until the various modes are no longer displayed.

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## 8 FM radio

#### 8.1 Tune radio stations

- 1 Connect the supplied FM wire antenna to and (see 3 Installation).
- 2 Ensure that the set is switched on or in Standby mode (see 5 Basic functions).
- 3 Press **HOME** once or more times to select Radio.
- > Playback screen appears.

  Display: Radio, radio station frequency and preset number (if programmed).
- 4 Press & hold ▲ or ▼ until frequency in display starts running.



- The radio automatically tunes to a station of sufficient reception. Display during automatic tuning: Searching... When you are receiving an RDS station, is shown.
- **5** Repeat tuning process until you find the desired radio station.
- 6 To tune to a weak station, press ▲ or ▼ briefly and repeatedly until you have established optimum reception.



## 8.2 Store preset radio stations

You can store up to 60 radio stations in the preset memory.

### 8.2.1 Autostore: Automatic preset program

Autostore automatically starts programming radio stations into the preset memory, beginning with Preset 1. Available stations are programmed in the order of their radio frequency, RDS stations are followed by FM stations. A maximum of 10 RDS stations will be stored (Preset 01 to Preset 10).

- 1 Press MENU to enter the menu screen.
- 2 Use ▲ or ▼ and ▶ to select autostore radio.
- > Display: Autostore, please wait... Press 'Stop' to exit.

When all stations are stored, the first preset station automatically starts playing.

### 8.2.2 Manual store: Manual preset program

- 1 In FM radio mode, use ▲ or ▼ to select / tune your desired radio station.
- 2 Press MENU to enter the menu screen.
- 3 Use ▲ or ▼ and ▶ to select Save to Preset.
- **4** Use △ or ▼ and ▶ to select the desired preset number (PR01, PR02,...PR60).
- > Current radio station is stored under selected preset number.

#### 8.2.3 Listen to preset station

- 1 In FM radio mode, press ▶ to access the list of preset stations.
- 2 Use ▲ or ▼ and ▶ to select the preset station.



#### 8.3 RDS

RDS (Radio Data System) is a service that allows FM stations to send additional information along with the FM radio signal.

Tune to RDS radio station (see 8.2.1 Autostore: Automatic preset program)

Display shows (if available):

- · Name of radio station
- · Radio frequency
- Program type (e.g. News, Pop, Music)
- RDS radio text



#### 8.4 **NEWS**

You can activate radio **NEWS** while listening to another source on WACS7500. The set will tune to a RDS radio station stored in the preset memory under one of the 10 first numbers.

1 During playback (any source except radio) press RDS/NEWS on remote control.

Icon appears and **NEWS ON** is briefly displayed.

(If no RDS station is found or no news transmission is detected during the scan, the icon disappears and **NEWS OFF** is briefly displayed.)

Playback continues while the set scans the first 10 preset stations.

When a news transmission is detected, the set will switch to the RDS station broadcasting the news transmission and the icon starts flashing.

After the news transmission is over, the set will stay tuned to the news station.

- 2 To deactivate **NEWS**, press **RDS/NEWS** again.
- > Icon disappears and **NEWS OFF** is briefly displayed.

## ⊕ Tip

Ensure that you have stored RDS stations in the first 10 preset locations (see **8.2.1 Autostore: Automatic preset program**).

#### 8.5 Internet radio\*

You can also listen to all the most popular Internet Radio stations by connecting through the **Philips** web service, where automated links to active stations are maintained and updated at regular intervals.

The Internet Radio feature requires registration with **Philips**. The registration process only has to be completed once, when you are using the **Internet Radio** for the first time. You can register more than one user. Each user will have to register separately, following these instructions:

#### 8.5.1 First time use

#### Important!

Ensure you are connected to the Internet when you use the Internet Radio feature. See 11. Network Settings for information on how to get your system connected to the home network and the Internet.

Use the 1-way remote control for the registration process.

For first time use of the Internet radio you must register with Philips. To register you need a valid email address.

## Note

If you enter an email address that is already registered with Philips, the display asks for your password. Enter your password and enjoy Internet radio!

Internet radio registration process:

## On **C** or **S**

- 1 Press HOME one or more times to select Radio.
- 2 From the radio menu, select Internet Radio.
- > Internet connection starts:

The Internet Radio registration help screen appears:



- 3 Enter any valid email address.
- > Display shows confirmation that the automated email dispatch has been initiated:
- \* Internet radio requires broadband Internet access and a wireless router.

### On your PC:

- 1 Check the inbox of the email address you entered and look for a message from 'ConsumerCare@Philips.com' with the subject: Your Streamium Registration....
- 2 Read and follow the instructions given in the email to complete your registration process on the Philips website.

### On C or S

Display returns to Radio menu.



## ■ Note

- Press **HOME** to exit any time. Your email address will be remembered.
- · Other persons can register individually to enjoy Internet radio with their own settings.

### 8.5.2 Regular use

Regular users can access the Internet radio directly through the Radio menu screen.

#### 8.5.2.1 Radio services

#### On C or S

- 1 Press **HOME** one or more times to select **Radio**.
- 2 From the Radio menu, select Internet Radio.
- 3 Use ▲ or ▼ and ▶ to select User.
- 4 Use ▲ or ▼ and ▶ to select Services.
- 5 Use ▲ or ▼ and ▶ to make your selection from the Service List (RadioIO, or Live365).
- 6 Use ▲ or ▼ and ▶ to select the desired station.

### 8.5.3 Add internet radio stations and bookmark your favorites

### On C or S

In Internet radio mode press > to bookmark the current radio station as a favorite.

OR

### On your PC

- 1 Log in with your registered email address at www.philips.com/welcome.
- 2 Select Streamium Management on the left hand side of the window.
- 3 Choose radio stations from the list.
- 4 Mark them as favorites.

The marked stations will appear as **My Media** and **Favorite Stations** the next time you connect.

### 8.5.3.1 My Media

### On C or S

- 1 Press HOME one or more times to select Radio.
- 2 From the radio menu, select Internet Radio. If multiple users are registered:
  - a Use ▲ or ▼ and ▶ to select
- 3 Use ▲ or ▼ and ▶ to select My Media.
- 4 Use ▲ or ▼ and ▶ to make your selection from the My Media List of Stations.

#### 8.5.3.2 Favorite stations

#### On C or S

- 1 Press HOME one or more times to select Radio.
- 2 From the radio menu, select Internet Radio. If multiple users are registered:
  - a Use ▲ or ▼ and ▶ to select
- 3 Use ▲ or ▼ and ▶ to select Favorite Stations.
- 4 Use ▲ or ▼ and ▶ to make your selection from the List of Favorite Stations.

## 9 UPnP

## **⊜** Note

Ensure you are connected to your home network when you use the UPnP feature. See 11 Network Settings for information on how to get your system connected to the home network and the Internet.

### 9.1 UPnP (Universal Plug and Play)

UPnP is a standard which connects multiple devices (wirelessly or wired) with each other and enables them to work seamlessly. If you are familiar with UPnP enabled devices, WACS7500 brings you additional benefits to enrich your wireless music streaming experience. If you are not familiar with UPnP-enabled devices, please visit www.upnp.org for details.

#### 9.1.1 About UPnP\*

In addition to the music library of , an UPnP-enabled device can also serve as a music library.

The music collection on the UPnP enabled device can be played on or , wirelessly or through an Ethernet cable (not supplied).

You can also play the music library of on the UPnP enabled device, thus expanding your home music network

\* Universal Plug and Play (UPnP™) builds on standard networking technologies and provides standardized protocols for a wide variety of home and small business devices. It allows easy interoperability of all the devices supporting the networking technologies.

#### 9.1.2 About UPnP\* enabled devices

The UPnP device can be a PC or other device running UPnP software.

- 1 To use the UPnP device with or s, connect or to the UPnP network of the device (see 9.2 Connect to UPnP device).
- To play the music library of your UPnP device on of or so, check that UPnP server software is properly installed and enabled on the device (e.g. Windows Media Player supplied PC Suite CD, Windows Media Player 11 or Philips Multimedia Manager). For more help refer to Windows Media Player.
- 3 To play the music library of on the UPnP device, check with the user manual of your UPnP device to make sure it is able to receive music from other UPnP enabled devices.

#### 9.2 Connect to the UPnP device

When connecting to the network of the UPnP device, you have the following options:

- Connect wirelessly or through an Ethernet cable (not supplied).
- Connect C or S, C only, or S only.

For more information on the connection, see 11.2 Network settings: Connect to Wi-Fi enabled or wired home network.

## € Tip

Connecting other UPnP clients to Philips Wireless Music Center may take longer than connecting a Philips Wireless Music Station to Center.

### 9.3 UPnP playback

## **⊜** Note

- You can only stream unprotected music files in MP3,WMA, or AAC (.m4a) format when WACS7500 is in UPnP mode.
- · You cannot stream video or picture contents.

During UPnP playback, some playback features in the Wi-Fi network on Center will be unavailable, including Music Broadcast, Music Follows Me, Same Artist, Same Genre, Creating / Deleting Playlist, and Recording.

## 9.3.1 Play music from UPnP device

## ↔ Tip

If you cannot find the UPnP server on the network, refresh the UPnP mode of Center by changing the mode (press **HOME** key).

- 1 Check that the UPnP device is switched on.
- 2 Consult the user manual of the Windows Firewall on your UPnP enabled PC, to ensure that 'UPnP Framework' is allowed in the 'Exceptions' list of the Windows Firewall.
- 3 Check that cores is connected to the network of the UPnP device (see 11.5 Network settings: View connection status).

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### **C** or **S**:

- 4 Press **HOME** on remote control to select UPnP mode.
- > The display on the set shows a list of connected UPnP devices (up to 4 UPnP devices). (Server not found appears if there is no UPnP device found in the network.)



- 5 Use ▲ or ▼ and ▶ to select your desired UPnP device.
- > The music library of the UPnP device appears on or s as well as on the UPnP device.

### On C or S:

6 Play the music library of the UPnP device in the same way as you play Hard Disk (HD) (see 6 HD).

### 9.3.2 Play music from Center (

- 1 Check that **C** is switched on or already in standby mode.
- 2 Check that the UPnP device is connected to (see 11.5 Network settings: View connection status)
- > The music library of appears on the UPnP enabled device as it does on

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## 10 External sources

### 10.1 Play or record to USB mass storage device

You can playback music from a USB device on . You can also transfer the music library of to a USB mass storage device, so that you can carry your favorite music with you wherever you go.

#### 10.1.1 About USB device

### Note

- In some USB flash (or memory) devices, the stored contents is recorded using copyright
  protection technology. Such protected contents cannot be played on any other devices (such as
   [C] / [S]).
- MTP (Media Transfer Protocol) USB devices are not supported.
- · Protected (DRM) WMA files cannot be played due to copyright issues.

#### Compatible USB mass storage devices:

The following devices can be used on **C** or **S**:

- USB flash devices (USB 2.0 or USB1.1)
- USB flash memory devices (USB 2.0 or USB1.1)

#### Supported formats:

- USB or memory file format FAT12, FAT16, FAT32 (sector size: 512 65,536 bytes)
- MP3 bit rate (data rate): 32-320 Kbps and variable bit rate
- · WMA v9 or earlier versions
- · Directory nesting up to a maximum of 8 levels
- Number of albums/folders: maximum 99
- Number of tracks/titles: maximum 999
- File name in Unicode UTF8 (maximum length: 256 bytes)
- MP3 VBR, WMA VBR, AAC VBR format

### or swill not play or support the following:

- · Empty albums that do not contain any MP3/WMA files and hence will not be displayed.
- Unsupported formats are skipped (e.g. files with .doc extension are ignored).
- · WAV. PCM audio files
- DRM protected WMA files
- WMA files in Lossless

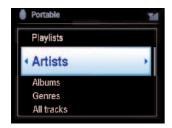
#### How to transfer music files from your PC to a USB mass storage device

You can easily transfer your favorite music from your PC to a USB mass storage device by drag & drop.

You can use the music management software of your flash device for the music transfer.

## How to organize your MP3/WMA files on a USB mass storage device

or browses MP3/WMA files in the same way as reads the HD.



Organize your MP3/WMA files in different folders or sub-folders as needed.

## ⊕ Tip

- · Make sure that MP3 files end on extension .mp3 and WMA files end on extension .wma.
- For DRM protected WMA files, use Windows Media Player 10 (or later) for CD burning / conversion. Visit www.microsoft.com for details about Windows Media Player and WM DRM (Windows Media Digital Rights Management)

### 10.1.2 Play music from USB device

- 1 Check that USB device is properly connected to or (see 3.4.2 Installation: Connect a portable (USB mass storage) device)
- 2 Press **HOME** once or more times to select **USB**.
- > The screen shows 'USB direct'.



No USB Device Present appears if the USB device is not supported by or .

File system not supported appears if unsupported file formats are used on the USB device.

Empty Folder appears if no supported audio format file is found on the USB device.

3 Play audio files on the USB as you do with the albums/tracks on a HD (see 6 HD).

## ↔ Tip

Due to compatibility reasons, the album/track information may differ from what is displayed through the music management software of the flash device.

#### 10.1.3 Transfer music to USB device

### Important!

- There is no support for transfer of music to MTP devices.
- Recording is permitted only if there is no infringement of copyrights or any other rights of third parties.
- For CDs encoded with copyright protection technologies used by some record companies, recording will be restricted.
- Making unauthorized duplicates 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.
- Transfer to USB device is only supported by ...
- DRM protected files might not play if they are transferred to the USB device.
- 1 Check that the USB device is properly connected to **C**.
- 2 On **C**, press **HOME** and use **△** or **▼** and **▶** as necessary to select **HD**.
- > If it is in HD playing mode, press **STOP** to stop playing.
- 3 Use ▲ or ▼ and ▶ to select an option (Playlists, Artists, etc...) and enter the corresponding list of tracks.
- 4 In the track list screen, press **RECORD** (**REC** on remote control)
- > The list of tracks appears.
- 5 Press MARK/UNMARK to select or deselect the tracks to be recorded.
- > To select/deselect all tracks, Press & hold MARK/UNMARK.



- 6 Press RECORD to start recording.
- > Display shows: Transferring...

The number of tracks transferred / to be transferred appears. Selected tracks are transferred to the USB device.



## ← Tip

- · Recording will also stop when:
  - the USB device is unplugged and the display shows: Connection interrupt, Cancel transfer...
  - the USB device has more than 99 folders and 999 titles and the display shows: Device is full, Cancel transferring...

### Find the transferred tracks on your USB device

All the transferred tracks are saved in the USB device under the folder structure Music\Genre\Artist\Album, and are named as XX-trackname.mp3.

### Play the transferred tracks on another music player

You can play the transferred tracks on music players supporting USB playback. On different players, the files/folders may be browsed in different ways.

### 10.2 Play your iPod music

You can enjoy the music library on your iPod player through the speaker system of the WACS7500. This feature requires a Dock. The designated Philips Docking Cradle, Model DC1050 is sold separately.

- 1 Check that C or S is switched on or in standby mode.
- 2 Connect your Dock to or
  - a Connect the 9-pin docking cable to the **DOCK IN** of **C** or **S**.
  - **b** Connect the audio cable to the **AUX IN**\* on or (red & white plugs must match color coding of **AUX IN**).
- 3 Insert your iPod into the Dock.
- 4 Press HOME to enter the main menu and use the navigation controls ▲ or ▼ and ▶ to select Portable ▶ iPod.
- 5 The iPod can now be controlled via the remote control of the C or S.

## ❸ Tip

All features except for the volume can still be controlled on the iPod itself too.

## 10.3 Play external sources

You can play files from external sources on by connecting the audio output (e.g. TV, VCR, Laser Disc player, DVD player). You can also record up to 3 hours of audio output to the music library in the HD of ...

- 1 Check that the external device is properly connected (see 3.4.4 Installation: Connect additional appliances).
- 2 Ensure that or is is switched on or in standby mode (see 5 Basic functions).

### On C or S:

3 Press **HOME** once or more times to select **AUX** .

#### On external source:

- 4 Turn down the volume to avoid noise distortion. Press ►II to start playback.
- 5 To adjust sound and volume, use the sound controls on WACS7500 or on your external source.

## 11 Network settings

## Note

Use the 1-way remote control for Station management and Network configuration. The 2-way remote control cannot be used for these tasks.

You can add \_\_\_ and/or \_\_ to your existing home network. Set your network according to your needs as follows:

Туре	What you want	Go to
Simple network settings	Add another <b>S</b> to <b>C</b>	Section 11.1
	Connect to your PC for configuration management	Section 12
	Connect to internet for Gracenote® internet service	Section 13
Advanced network	Connect to Wi-Fi home network	Section 11.2
settings	Connect to wired home network	Section 11.3
Expert network setting	Connect to two different networks	Section 11.4

### 11.1 Add Stations to Wi-Fi network of Center (

You can connect up to five  $\S$  to  $\square$ . When adding a  $\S$  to the Wi-Fi network of  $\square$ , you can play the music library of  $\square$  on  $\square$ , or move music playback between  $\square$  and  $\square$  (see 6 HD).

### On C:

- 1 Check that is in HD source.
- 2 Press MENU to enter the menu screen.
- 3 Use ▲ or ▼ and ▶ to enter **Station Management** (Mgnt) menu.
- 4 Use ▲ or ▼ and ▶ to select Add New Station.
- You will enter Installation Mode. Search for the new station starts.
  Playback stops on the previously associated if you are playing the HD source.

## ⊕ Tip

If five  $\square$  are already connected, the option Add New Station is not available. In this case, please delete another  $\square$  first and then add the new  $\square$ .

## On 🖸:

- To enter Installation Mode
  - On a new Station that is still unassociated with the Center:
    - a Power up new Station.
    - **b** Select language.
    - > Station enters automatic installation mode.

66 Network settings

- On a Station that was already paired with another Center:
  - a Press MENU
  - **b** Select Installation mode
  - > Station enters automatic installation mode.
- 2 Disconnect the power plug of sand then connect it to the power supply again.
- > Display: Connecting to Center
- 3 On remote control, press **MENU** to enter Installation Mode.
- > The following messages are shown in succession:

## Center found

Connecting to Center...

### On C:

- 4 Press STOP when all the S are found.
- > HD screen appears once **S** is connected to **C**.

### 11.1.1 Delete a Station (S)

- 1 Check that is in **HD** source.
- 2 Press MENU to enter the menu screen.
- 3 Use ▲ or ▼ and ▶ to enter **Station Management** (Mgnt) menu.
- 4 Press ▲ or ▼ and ▶ to select **Delete Station**.
- > The list of connected S will be displayed on C.
- 5 Use ▲ or ▼ and ▶ to select **S** you wish to delete.
- 6 Press ▲ or ▼ and ▶ to select YES.

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### 11.2 Connect to Wi-Fi (wireless) enabled home network

The Wi-Fi enable network is a Wi-Fi infrastructure network or a Wi-Fi enable home network with a router.

**Important!** Connections that include a Wi-Fi router require that the router is switched on at all times.

- 1 To connect or to a Wi-Fi enabled home network, start the **Add Network** procedure on respectively.
- 2 For music playback within the home network, see 9.3 UPnP Playback.

### 11.2.1 Network settings on Center (

## **⊜** Note

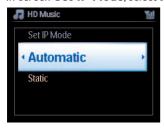
For WEP(Wired Equivalent Privacy) / WPA (Wi-Fi Protected Access) key setting to secure your network, always refer to the user manual of the Router.WPA is the newest and strongest encryption method. If this is not available (generally for older devices) choose WEP.

### On , search for networks:

- 1 Press MENU to enter the menu screen.
- 2 Use ▲ or ▼ and ▶ to enter Settings followed by Network, then Wireless.
- > Display: **Searching for Networks...**List of networks appears. (**Network Not Found** appears if no network is found.)
- 3 Select the Wi-Fi network where your desired UPnP device is located.
- 4 Press > to continue.

If you already know the WEP/WPA key for the Wi-Fi network:	Use the 1-way remote control to enter the WEP or WPA key.	
If there is no WEP/WPA key for the Wi-Fi network:	Press <b>OK</b> to skip.	

6 In screen Set IP Mode, select Automatic



68 Network settings

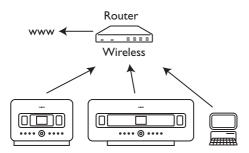
- 7 As prompted, select **Yes** to apply the settings.
  - is connected to the Wi-Fi home network.
  - **S** might be disconnected from the Wi-Fi network of **C**.

## ← Tip

- To add \( \subseteq \) to the network of \( \subseteq \), follow the steps under user manual section \( \mathbf{3.1 Installation:} \) Install \( \mathbf{Center} \) \( \mathbf{C} \) and \( \mathbf{S} \) to the network of \( \subseteq \), follow the steps under user manual section \( \mathbf{3.1 Installation:} \) Install \( \mathbf{Center} \) \( \mathbf{C} \) and \( \mathbf{S} \) to the network of \( \mathbf{C} \), follow the steps under user manual section \( \mathbf{3.1 Installation:} \) Install \( \mathbf{C} \) in \(\
- If you change the WEP/WPA key after you have added the WACS7500 into your home network, the connection between the WACS7500 and your home network will be lost. In this case, please restart WACS7500 and in order to refresh the IP update.



Applicable if you already have a wireless network (hub/switch/router).



## 11.2.2 Set network on Station (5)

- 1 Press MENU to enter the menu screen.
- 2 Use ▲ or ▼ and ▶ to enter Settings followed by Network, then Wireless.
- **3** Press ▶ to continue.
- > Display: **Searching for Networks...**List of networks appears. (Network Not Found appears if no network is found.)
- 4 Select the Wi-Fi network where your desired UPnP device is located.
- 5 Press > to continue.

6	If you already know the WEP/WPA	Use the 1-way remote control	Press OK to
	key for the Wi-Fi network:	to enter the WEP or WPA key.	confirm.
	If there is no WEP/WPA key for the	Press OK to skip.	
	Wi-Fi network:		

- 7 Select Automatic.
- 8 As prompted, select **YES** to apply the settings.
  - is connected to the Wi-Fi home network.
  - sill be disconnected from the Wi-Fi network of ......

#### 11.3 Connect to wired home network

The wired home network can be a single PC, a PC network, another or 5.

and so can both access the wired and wireless home network at the same time. Using an Ethernet cable (not supplied), you can connect or a separately to a wired network while maintaining its Wi-Fi connection (e.g. the Wi-Fi connection between on and on or more so, or the Wi-Fi connection with a home network). In this way, you can opt to play the music library of the wired network only on or a single so (UPnP playback).

At the same time, you can still enjoy all the music playback features on the Wi-Fi network.

## 11.3.1 Set network on Center ( )

- 1 Check that the network device is switched on.
- 2 Connect an Ethernet cable (not supplied) to Ethernet ports on network device and ...
- 3 Press **MENU** to enter the menu screen.
- 4 Use ▲ or ▼ and ▶ to enter **Settings** followed by **Network**, then **Wired**.
- 5 Press ▶ to continue.

6 In **Set IP Mode** screen: If you are using a DHCP\* enabled network device, select **Automatic**.



\* DHCP stands for Dynamic Host Configuration Protocol. It is a protocol for assigning dynamic IP addresses to devices on a network.

## 11.3.2 Set network on Station (S)

#### If there is no DHCP:

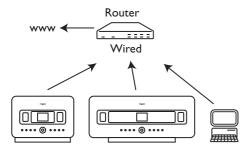
1 Select **Static** and assign an IP address and subnet mask as prompted, using the alphanumeric keys (see **4.4 Prepare: Alphanumeric keys**).





- 2 As prompted, select **YES** to apply the settings.
- > **c** is connected to the external wired network. On the display, the icon **d** changes to **d**.

Applicable if you already have a wired home network (hub/switch/router).



## ⊕ Tip

You can connect or or directly to your PC using an Ethernet cable (not supplied) and the Wireless Audio Device Manager (WADM) in the supplied PC Suite CD. For details, see section 12 Connect to your PC.

#### 11.4 Connect to two different home networks

WACS7500 can be added into two different home networks via wired and wireless network ports. Note that the IP addresses of the two different network ports cannot be in one subnet: WACS7500 has no router function and cannot determine which port to use.

## **⊜** Note

Once is added to the Wi-Fi network, all Wi-Fi ad-hoc connections with the WAC7500 will be shut down.



Applicable if you have two home networks.

Once a si is added to the Wi-Fi (wireless) home network, the Wi-Fi wireless connection of this particular si to the swill be shut down. However may still maintain its Wi-Fi ad-hoc connection with one or more other si.

WACS7500 cannot shadow the IP of a network device that is not activated. Please be careful of the IP address settings to avoid IP address conflict between the wired and Wi-Fi ports.

#### 11.5 View connection status

## 11.5.1 View Station (5) status in Wi-Fi network of Center (6)

- 1 Check that is in **HD** source.
- 2 Press MENU to enter the menu screen.
- 3 Use ▲ or ▼ and ▶ to enter **Station Management** (Mgnt) menu.
- 4 Use ▲ or ▼ and ▶ to select Station Status.
- > A list of connected **S** or previously connected **S** is displayed on the **C**.
- 5 Press > to view the connection information.

## 11.5.2 Viewing the connection with home network

- 1 Check that C or S is in HD source.
- 2 Press MENU to enter the menu screen.
- 3 Use ▲ or ▼ and ▶ to enter Information menu.
- > The display shows: **System**, **Wireless** and **Wired**.
- 4 Use ▲ or ▼ and ▶ to select Wireless or Wired.
- Wi-Fi: information about the Wi-Fi settings.
- · Ethernet: information about the Ethernet settings.

#### 11.6 Connect to Internet

**Important!** Make sure that no dial-up, user name or password is required for the Internet access.

Check that you have connected to an Access Point or Router with Internet access or connect to an ADSL modem with internet access directly.

#### Set DNS and Gateway

If you are using a DHCP\* enabled Access Point, Router or ADSL modem, the DNS and Gateway can be obtained automatically, so you need only to set to Automatic (DHCP):

- Press MENU.
- 2 Use ▲ or ▼ and ▶ to select **Settings** followed by **Network**.
- 3 Select Wired or Wireless.
- 4 Use ▲ or ▼ and ▶ to select Automatic (DHCP).
- DHCP stands for Dynamic Host Configuration Protocol. It is a protocol for assigning dynamic IP addresses to devices on a network.

# The following steps show how to get DNS and Gateway settings of the current network from the PC connected to the same network:

- 1 On your PC, click Start > Run
- 2 Type cmd and click OK
- 3 Type ipconfig/all
- 4 Write down the DNS and Gateway of the current connection.

#### On C

- 1 Press MENU to enter the menu screen.
- 2 Use ▲ or ▼ and ▶ to enter **Settings** followed by **Network**, then **Wired**.
- 3 Press ▶ to continue.

#### Set DNS

- 1 Enter the DNS server you wrote down.
- 2 Press OK to confirm.
- 3 Press OK to skip Set DNS2.
- ⊕ Tip

If necessary, follow Steps 1 and 2 above to set a secondary DNS server in Set DNS2.

#### **Set Gateway**

- 1 Enter the Gateway you wrote down.
- 2 Press OK to confirm.

## Set proxy

- 1 If you are using a proxy server to visit websites, enable Proxy and proceed with the proxy setting as prompted, then press OK to confirm Otherwise, press OK to skip.
- **2** Choose to apply the settings as prompted.
- > Settings will change.
  - Connection to station could be lost appears.

## 12 Connect to your PC

## Minimum PC requirements:

- Windows 2000 SP4 (or above) / XP SP2 / Vista
- Pentium III 500MHz processor or higher
- 256MB RAM
- · CD-ROM drive
- · Ethernet adapter, enabled (for wired connection) or
- Wireless network adapter 802.11 b/g (for wireless connection)
- · 500MB free hard disk space

## Install WADM (Philips Wireless Audio Device Manager, see 17 FAQ)

- 1 Insert the PC Suite CD into the PC.
- 2 Follow the instructions on the PC to install WADM.
- 3 When the security alert message (Microsoft Windows Firewall) pops up, press Unblock to allow the WADM application to run on the PC.
- > The Microsoft Windows Firewall is still effective and only allows the WADM to run.

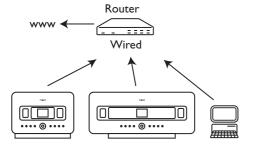
## ❸ Tip

You can also consult the user manual of the Microsoft Windows Firewall and manually add the WADM application to your list of programs that are safe to run.

- 4 Select language and accept license terms.
- 5 On the Welcome screen, click Next.
- > The installation process starts automatically.
- 6 When installation is completed, click Quit.

## **Connect Center to PC (Wired connection)**

Use an Ethernet cable (not supplied) to connect the WAC7500 to your PC. (Make sure that the Ethernet port on your PC is enabled to establish WADM connection).



Connect to your PC 75

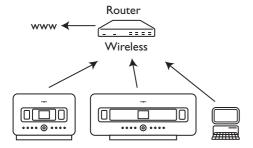
## Launch WADM

- 1 Double click WADM.
- 2 If your Center appears, continue with step 6.
- 3 If your Center is not found, select Connection Wizard.
- 4 In Connection Wizard screen, select Express Mode.
- 5 Click **Next** and follow the instructions.
- 6 Select your Center from the list and click Connect now.

## Connect Center to PC (Wireless connection)

Enable your wireless Access Point or Wireless Router.

Configure Network from Center: Select **Menu** > **Settings** > **Network** > **Wireless** (select desired Network) > (enter encryption key) > **Automatic** > **Apply Settings** > **Yes** 



76 Connect to your PC

#### Launch for Windows XP or Vista:

- 1 Double click WADM.
- 2 A list of discovered Centers appears.
- 3 If your Center appears, continue with step 6.
- 4 If your Center is not found, select Connection Wizard.
- 5 In Connection Wizard screen, select Express Mode.
- 6 Click **Next** and follow the instructions.
- 7 Select your Center from the list and click **Connect now**.

## Tip

- If the IP configuration of Center is not in the default range (Subnet mask: 255.255.0.0; IP address: 172.31.x.x), select Connection Wizard > Express Mode. Enter the current IP configuration of Center as prompted. Press MENU and select Information > Wired to check IP configuration.
- When WADM is running, Internet access of your PC may be disabled. Close WADM to restore
  access.

Connect to your PC 77

## 13 Gracenote® CD Information

The Gracenote® music recognition service provides the set with CD track information (including album, artist, genre, track information) from its built-in database. It allows the recorded CD tracks to be properly categorized (for example, under Artists, Albums, Genres or All tracks) and be merged with the existing tracks in the hard disk.

## 13.1 Gracenote® music recognition database

A 800 MB CD database (contains 800,000 most popular CDs) is embedded in every for quick look-up on track information. An update file that contains newly released CDs is available quarterly on www.club.philips.com for download.

## 13.1.1 Update Gracenote® music recognition database

Use your PC to register your product on www.club.philips.com and go to 'Show Upgrades & Support' page to download Gracenote® Music recognition database update. Note that the updates are posted quarterly and new updates are independent from old updates, i.e. a new update can be installed, even without the previous update.

After storing the file on your PC, you can either burn a CD with the update file using your favorite CD burning software and drop the CD into for automatic update, or you can use the Gracenote® update option of WADM if you have connected your PC to

## 13.2 Gracenote® Internet Queries

If the CD track information of your new CD disc cannot be displayed on the WACS7500, the quickest and surest solution is to ensure you have followed the steps in **11.6 Connect to Internet** and follow **13.2.1 Look up track information**.

## 13.2.1 Look up CD track information

When an internet connection present (see **11.6 Connect to Internet**), insert the CD of which you require the information (insert disc into loader slot of with graphics facing you).

Searching start immediately. The system will search the local Gracenote® CD database first. If the CD track information cannot be found, the online search will start. The search results are shown on the display of ...



If the internet query failed due to a disruption in the internet connection, the error message 'Check the internet setup for CD Database on-line' will appear.

Check if your internet connection is correct (see 11.6 Connect to Internet).

Gracenote® CD Information

## 14 Firmware Upgrade

## 14.1 Upgrade firmware

The supplied PC Installer CD Wireless Audio Device Manager (WADM) helps you get the upgrades for WACS7500 Center and Station.

## Important!

On Philips Wireless Music / S:

- · Never interrupt the firmware upgrading before its completion.
- · Never operate other functions before finishing the installation.
- Register your Philips Wireless Music Center with www.club.philips.com.
- 2 Download the firmware upgrade files and store them on your PC.
- 3 Place and sturdy surface.
- 4 Connect and 5 to power supply.
- 5 Connect couplied to your PC via an Ethernet cable (not supplied).
- 6 Install and launch WADM (see section 12 Connect to your PC).
- 7 Click to enter the Firmware upgrade submenu.
- 8 As prompted, click Browse and indicate the location where you kept the firmware upgrade files on PC.
- Click Apply to start upgrading firmware.

#### On Philips Wireless Music Center ( ):

The display shows 'Updating firmware, please wait...'.

will reboot itself during the installation process.

When returns to HD screen, the installation is completed...

## On Philips Wireless Music Station (5):

Installation starts automatically

When S returns to HD screen, the installation is completed.

80 Firmware upgrade

## 14.2 Restore previous firmware

After the firmware of e is upgraded, you can restore it to its previous version as desired.

## On C

- 1 Press MENU to enter the menu screen.
- 2 Use  $\triangle$  or  $\nabla$  and  $\triangleright$  to enter **Settings** followed by **Firmware**, then **Restore firmware**.
- 3 Press ▶ to select **Yes**.

After upgrading or restoring the firmware of , you need to reestablish the Wi-Fi connection between and .

## 14.3 Re-establish Wi-Fi network of Center ( ) and Stations ( )

#### On C:

- 1 Press MENU to enter the menu screen.
- 2 Use ▲ or ▼ and ▶ to enter Station Mgnt menu.
- 3 Use ▲ or ▼ and ▶ to select Add New Station.
- > Searching for Stations starts.

#### On S:

- 1 Disconnect the power plug of S and then connect them to the power supply again.
- > Connecting to Center appears.
- 2 Press MENU on the remote control to enter the selection screen of Installation Mode and Select Server.
- 3 Use ▲ or ▼ and ▶ to enter Installation Mode.
- > Stations start to connect to **C**.
- 4 Press STOP on when all are found.

Reset 81

## 15 Reset

You can restore or to the default settings (including network settings).

## When to reset or S:

- Reset C or S to reestablish Wi-Fi connection between C and S.
- Reset or to change the way or connects to a Wi-Fi enabled / wired home network.
- 1 Check that the set is switched on (see 5 Basic functions).
- 2 Press MENU to enter the menu screen.
- 3 Use ▲ or ▼ and ▶ to enter Settings followed by Restore settings.
- 4 Press ▶ to select **Yes**.
- > The set is rebooted. Language selection screen appears.
- 5 Select your desired language: English, Français, Español, Nederlands, Italiano or Deutsch.
- > The set enters Installation Mode.

The search for C or S starts.

The Wi-Fi connection is being reestablished.

## If the cisreset and size are not reset:

- 1 On the [5], disconnect the power plug and connect them to the power supply again.
- 2 Connecting to Center appears.
- 3 On the remote control, press **MENU** to enter menu screen.
- 4 Use ▲ or ▼ and ▶ to enter Installation Mode.
- 5 start to connect to C.

## If a S is reset and C is not reset:

- 1 On C, select HD mode.
- 2 Press MENU to enter the menu screen.
- 3 Use ▲ or ▼ and ▶ to enter **Station Management** (Mgnt) menu.
- 4 Use ▲ or ▼ and ▶ to select Add New Station.
- > Searching for Stations starts.

#### If C and S are reset:

- 1 Select language and then enter **Installation Mode**.
- 2 Press STOP on when all are found.

## ⊕ Tip

- · Restoring to default settings does not delete any stored music tracks.
- After restoration to default settings, the network mode will return to ad-hoc mode.

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#### Technical data 16

#### 16.1 Center

General

AC Power 230V ±10% Dimensions (w x h x d) 616x272x172mm approx. 8.8kg

Weight (Net)

**Power consumption** 

Active <45W Standby < 22W Eco Power Standby < 1W

**Amplifier** 

Output power 2x20+40W(RMS) Frequency response 60-20,000Hz, - 3dB Signal-to-noise ratio 72 dBA (IEC)

**Speakers** 

Tweeter

Power 20W RMS / 30 W

music

Frequency response 5 KHz - 20 KHz 76 dB / m / W Sensitivity Impedance 6 Ω (Ohms) Dimensions (w x h) 72 x 42 mm

Midrange

Power 20W RMS / 30 W

music

Frequency response 130 Hz - 5 KHz 76 dB / m / W Sensitivity **Impedance** 6 Ω (Ohms) 75 x 75 mm Dimensions (w x h)

Subwoofer

50W RMS / 75 W Power

music

75Hz - 500 Hz Frequency response 83dB / m / W Sensitivity Impedance 12 Ω (Ohms) Dimensions (Ø) 125mm

**Headphones** 

Impedance 16-150 Ω (Ohms)

Input sensitivity

AÚX IN 500mV Wireless

Wireless standard 802.11g, backwards

compatible to 802.11b

WEP (64 or 128 Wireless security bit),WPA/WPA2 (8-63

characters)

Frequency range 2412-2462MHz (CH1-

CH11)

Wired (LAN / Ethernet)

Wired standard 802.3 / 802.3u Speed 10 / 100MBit/s Mode half / full duplex Crossover detection (Auto MDIX)

Yes

Tuner

FM wave range 87.5-108MHz

Number of presets 60

FM antenna/cable COAX / Dipole-antenna

(75W IEC-connector)

**HD** player

60-20,000Hz, -3dB Frequency range Signal-to-noise ratio 72dBA (IEC)

MPEG 1 Layer 3 (MP3-CD)

MPÉG AUDIO MP3-CD bit rate 32-320kbps,VBR WMA bit rate up to 160kbps Sampling frequencies 32, 44.1, 48kHz

HD storage capacity 80GB\*

Recording quality 128, or 160, or 192, or

256, or 320kbps

1x, 4x Recording speed CDDB (CD recognition database)

internal Gracenote® / online access enabled

Actual formatted capacity will be less

**USB** player

**USB** 12Mb/s,V1.1

(support MP3,WMA and

M4A files)

USB class MSC, MTP Number of tracks/titles maximum 9999

Specifications and external appearance are subject to change without notice.

Technical data 83

## 16.2 Station

General

AC Power 230V ±10%

Dimensions (w x h x d)

387x272x128mm

Weight (Net) approx. 3.6kg

Power consumption

Active <25W Standby < 20W

Eco Power Standby < 1W

**Amplifier** 

Output power 2x7.5+15W(RMS) Frequency response 60-20,000Hz, - 3dB

Signal-to-noise ratio 72 dBA (IEC)

**Speakers** 

Full range

Power 10W RMS / 15W music

Frequency response 150Hz - 20 KHz Sensitivity 75 dB / m / W Impedance 4  $\Omega$  (Ohms)

Dimensions (w x h)  $75 \times 75$  mm

Woofer

Power 10W RMS / 15W music

Frequency response 120Hz - 400Hz Sensitivity 77dB / m / W Impedance 14  $\Omega$  (Ohms)

Dimensions ( $\emptyset$ ) 64mm Impedance 12  $\Omega$  (Ohms)

Headphones

Impedance 16-150  $\Omega$  (Ohms)

Input sensitivity

AUX IN 500mV

Wireless

Wireless standard 802.11g, backwards

compatible to 802.11b

Wireless security WEP (64 or 128

bit), WPA/WPA2 (8-63

characters)

Frequency range 2412-2462MHz (CH1-

CH11)

Wired (LAN / Ethernet)

Wired standard 802.3 / 802.3u Speed 10 / 100MBit/s Mode half / full duplex

Crossover detection (Auto MDIX)

Yes

Tuner

FM wave range 87.5-108MHz

Number of presets 60

FM antenna/cable COAX / Dipole-antenna

(75W IEC-connector)

**HD** player

Frequency range 60-20,000Hz, -3dB

Signal-to-noise ratio 72dBA (IEC)

MPEG 1 Layer 3 (MP3-CD)

MPEG AUDIO

MP3-CD bit rate 32-320kbps,VBR WMA bit rate up to 160kbps Sampling frequencies 32, 44.1, 48kHz

**USB** player

USB 12Mb/s,V1.1

(support MP3,WMA and

M4A files) MSC. MTP

USB class MSC, MTP Number of tracks/titles maximum 9999

Specifications and external appearance are subject to change without notice.

84 Technical data

## 17 Frequently asked questions

#### Attention!

- Never try to repair the system yourself as this will invalidate the warranty. Do not 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 resolve a problem by following these hints, consult your dealer or Philips for help.

Problem	Solution
During the first-time setup, the display on shows 'Searching for Center'.	Check that you have placed    and    side by side on a level and sturdy surface.
Center.	Check that you have connected  to the power supply.
	<ul> <li>When adding a new S, check that C is in Installation mode (see 11.1 Network settings: Add Stations to Wi-Fi network of Center ).</li> </ul>
	Turn off any nearby wireless access points if you encounter difficulty connecting  and .

Frequently asked questions 85

## Problem Solution I get interference on my wireless (Wi-Fi) link between C and S. The WACS7500 operates in the 2.4GHz radio frequency spectrum. Many other household/IT devices also operate in this devices. frequency spectrum, for example: microwave ovens, Dect phones, bluetooth • devices like bluetooth headphones, computer mouses, wireless routers, cordless phones, Wi-Fi compatible printers, PDAs. These devices can interfere with the Wi-Fi link between and S, resulting in interference such as pause during playback, slow response to WEP or WPA. my operation, etc. The severity of interference varies depending on the extent of radiation from the device and the strength of Wi-Fi signals in that position.

- If you are playing the set, stop playback and take the appropriate measures as follows:
- Keep C or sat least 3 meters away from such
- Use the WEP/WPA key when connecting and s to an existing wireless PC network. To set WEP/WPA key, connect [ / 5] to your PC using Philips Wireless Audio Device Manager (WADM) in the supplied PC Suite CD. In the WADM device configuration, enter the Wireless Network submenu, and in Device Wireless Authentication Type, select
- Change operating channel of cand swhen connecting them to an existing wireless PC network. To change channels, connect to your PC using Philips Wireless Audio Device Manager (WADM) in the supplied PC Suite CD. In the WADM Device configuration, enter the SSID of your Wireless Network, and select ad-hoc mode. See the section 12 Connect to your PC and the WADM help file.
- · If possible, change the operating channels of the other Wi-Fi devices in your home.
- Turn the devices in different directions to minimize interference

## Stations react when you operate the • remote control of .

- The remote control for is powerful enough to operate several S within a certain distance or angle. Check that you have placed S in different rooms or place them at different angles.
- Use the remote control for **S** or the controls on the set.

## 'x' flashes on the synchronous display of the remote control of .

Signal error. Check that you have pointed the remote control towards the IR sensor of the set you wish to operate.

Problem	Solution
Nothing appears on the synchronous display of the 2-way remote control of even after the set is switched on.	the set and not the $\bigcirc$ button on the 2-way remote control. Press <b>REFRESH</b> on center's 2-way remote control to synchronize its display.
The remote control does not function properly.	<ul> <li>Reduce the distance between the remote control and the set.</li> <li>Insert the batteries with correct polarity (+/- as</li> </ul>
	<ul><li>indicated inside the compartment).</li><li>Replace the batteries.</li></ul>
	Point the remote control directly towards the IR sensor.
The screen of c is stuck in a menu or shows no response for a long period of time (2-5 minutes).	Please first try to press $\circ$ to go to power-saving mode. If the problem persists, restart the power (disconnect and reconnect the mains plug) to reset .
'No Disc' / 'Cannot read CD' is displayed.	<ul> <li>Insert a suitable disc.</li> <li>Check if the disc is inserted with the graphics side (label) facing you.</li> <li>Wait for the moisture condensation on the lens to clear.</li> <li>Replace or clean the disc, see 1.5 Maintenance.</li> <li>Use a finalized CD-RW or CD-R.</li> </ul>
Sound cannot be heard or is of poor quality.	<ul><li>Adjust the volume.</li><li>Disconnect the headphones.</li><li>Switch off MUTE.</li></ul>
The disc skips tracks.	Replace or clean disc.      Switch off <b>SHUFFLE</b> .
Sound skips during MP3/WMA playback.	<ul> <li>The MP3/WMA file may be made at a compression level exceeding 320kbps. Use a lower compression level to rip audio CD tracks.</li> <li>Replace or clean disc.</li> </ul>

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Problem	Solution
Some files on the USB device are not displayed.	Check if the number of folders exceeds 99 or the number of titles exceeds 999.
	Only completely recorded MP3/WMA files can be found and played by WACS7500. Check if the file has been recorded completely.
	DRM-protected WMA files cannot be played on WACS7500.
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 the set and your TV or VCR.
There is interference on the radio	Install the supplied FM wire antenna for better
reception whenever the or is	reception.
near my PC. (Such interference	Variable of the Control of the Contr
happens to most built-in tuner products.)	• Keep  or  at least 1 meter away from your PC.
How do I mount S to the wall?	Use the supplied wall mounting kit for Station. It is
	recommended that you consult qualified personnel to
	mount the bracket safely to your wall before you
	install Station. For details, refer to Appendix: <b>How to</b> mount Station ( <b>S</b> ) to a wall.
Some WADM functions cannot be	Your anti-virus software might affect the running of the
used.	WADM. Turn off your anti-virus software temporarily.
I edited ID3 tags in WADM, but the	Go to File > Refresh Content to refresh the
screen does not show the updated	WADM.
ID3 tags. What shall I do?	D
	Restart WADM.
Backup function no longer works.	The previously backed up file was deleted in Windows Explorer. Do not delete the file this way. If you want to delete the backup file, please use WADM to manage. If the backup file is accidentally deleted, please find the file named YOURMAC.inx by using your Explorer search tool and then delete it. Only after that you can do backups again.

Problem	Solution	
I have problems installing WADM or launching WADM after installation.	<ul> <li>Please make sure your Operating System is either Windows 2000 with Service Pack 4 and above, or Windows XP.</li> <li>Please check if your PC has a virus.</li> </ul>	
Wireless upgrade of <b>S</b> failed.	<ul> <li>Please make sure your PC has the Microsoft Windows Media Player installed.</li> <li>Upgrade  via Ethernet cable (not supplied) following</li> </ul>	
	steps below:	
	1 Connect  to your PC via an Ethernet cable (not supplied) and power on the Station.	
	2 Download the firmware upgrade file specified for S.	
	3 Launch WADM and click Firmware upgrade.	
	4 Follow the on-screen information to complete the remaining steps.	

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## Problem Solution

I have done all the steps described in Connect to PC guide to connect my WACS7500 to my home wireless network, but and sare still not connected to each other.

- On , go to Menu > Information > Wireless > Status. Check that has been changed from ad-hoc to infrastructure mode. Also check that the SSID, WEP key, or WPA key matches the setup of your wireless home network. Do the same on ...
- Try to change the SSID on your router to a more unique name if it is too generic, as your neighbors might be using a router with the same SSID.
- WACS7500 supports wireless and wired connection at the same time. There is a chance that your wireless IP address and wired IP address are on the same subnet and this will confuse WACS7500.
   Suggest to change the DHCP range of your wireless router so that the wireless IP received by WACS7500 is on a different subnet from its wired IP
- You may have forgotten to set up the wireless network settings on . If you have not done so, follow the section 12 Connect to PC on how to set up . to join the network.
- Try to change the channel of your home network settings on the router.
- On your router, we suggest that you use WPA key instead of WEP key. When you use WEP as your encryption key, set all 4 keys to be the same.
- Make sure that the Turbo mode of your wireless router is switched off (if your router is has this function).

I see the message 'Check the internet setup for CD Database online' even though I am sure that the WACS7500 is connected to my home wireless network with internet connection.

- Go to Menu > Network > Internet to check if your DNS server is correctly set up. Also make sure that you have set up the proxy server if your home wireless network needs a proxy server for internet connection.
- There is a chance that you are already successfully connected to Gracenote® online, but your CD is not in their database.

## 18 Appendix

## 18.1 How to mount Station (5) to a wall

#### Important!

- · The wall mounting instructions are intended for qualified installation personnel only!
- Request for qualified installation personnel to carry out the wall mounting which includes
  drilling the holes, fixing the bracket, and mounting stothe bracket.

Mount S and use C free standing.

## 18.1.1 What's in the supplied mounting kit



1 x mounting bracket for S

0

2 x screws

## 18.1.2 What else you'll need

- · Suitable screws and wall anchors for each of the holes in the provided mounting bracket.
- Electric drill
- Screwdriver

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## 18.1.3 Preparation

Try the necessary rear connections and the Wi-Fi connections between AND in order to find a suitable location for installation/mounting (see 3 Installation).

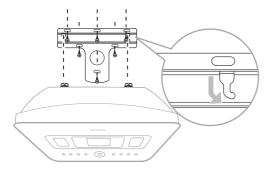
## Important!

## To avoid the risk of injury and damage to property as well as to the product:

- · Check for supply lines (gas, water, electricity, etc.) before drilling holes.
- Assess the type of screws necessary to bear Station.
- · Choose the right drill and bit for the type of wall to drill the holes.
- Take all other precautions to be observed when carrying out this type of mounting/installation
  job.

## 18.1.4 Mounting Station

You can mount Station to the wall using the provided bracket.



- 1 Align the bracket in the chosen location on a wall. Use a pencil to mark the drilling positions.
- 2 Drill the holes as marked
- 3 Fix the bracket to the wall using suitable screws (not provided) and wall anchors (not provided) for all the holes provided in the wall mounting bracket.
- 4 Use a screwdriver and fasten the supplied screws to **S** as shown.
- 5 Hook / mount 5 in place as shown.

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Israel	9600900-09
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/\* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.2, October 3rd, 2004

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