**Wireless Music
Center + Station**

connectedplanet
WA**CS5**

THANK YOU FOR CHOOSING PHILIPS!

STOP!

NEED HELP FAST?

Read your Quick-Use guide and/or owner's manual first for quick tips that make using your Philips product more enjoyable. If you have read your instructions and still need assistance,

you may access our online help at **www.usasupport.philips.com**

or call **1-888-PHILIPS(744-5477)** *while with your*

product, (and model/serial number).

User manual

Manuel d'utilisation

Manual del usuario

PHILIPS

Return your Product Registration Card today to get the very most from your purchase.

Registering your model with PHILIPS makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once to ensure:

*Proof of Purchase

Returning the enclosed card guarantees that your date of purchase will be on file, so no additional paperwork will be required from you to obtain warranty service.

*Product Safety Notification

By registering your product, you'll receive notification - directly from the manufacturer - in the rare case of a product recall or safety defect.

*Additional Benefits of Product Ownership

Registering your product guarantees that you'll receive all of the privileges to which you're entitled, including special money-saving offers.

Know these safety symbols

⚠ **CAUTION**
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT
REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS
INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.
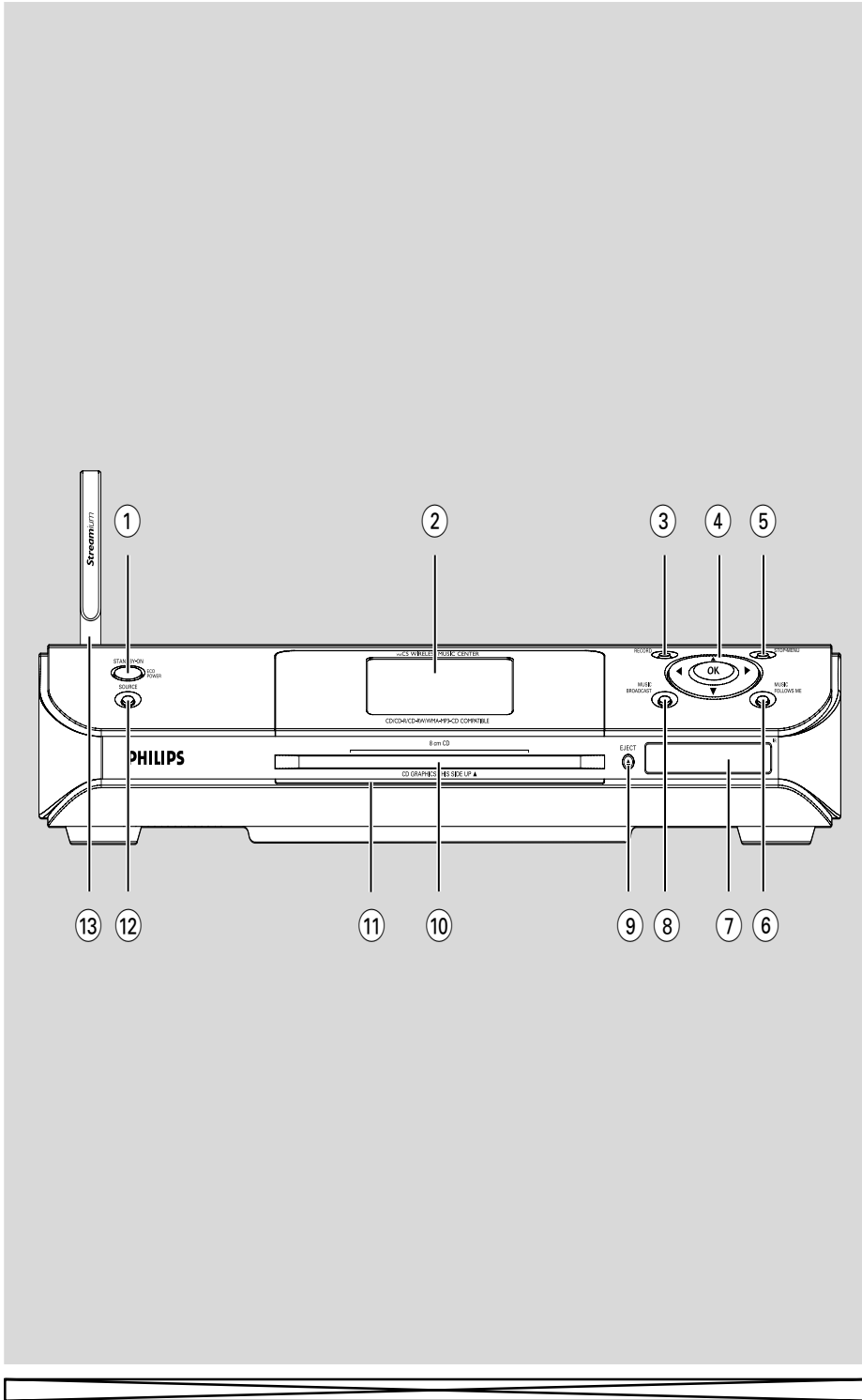
For Customer Use
Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.
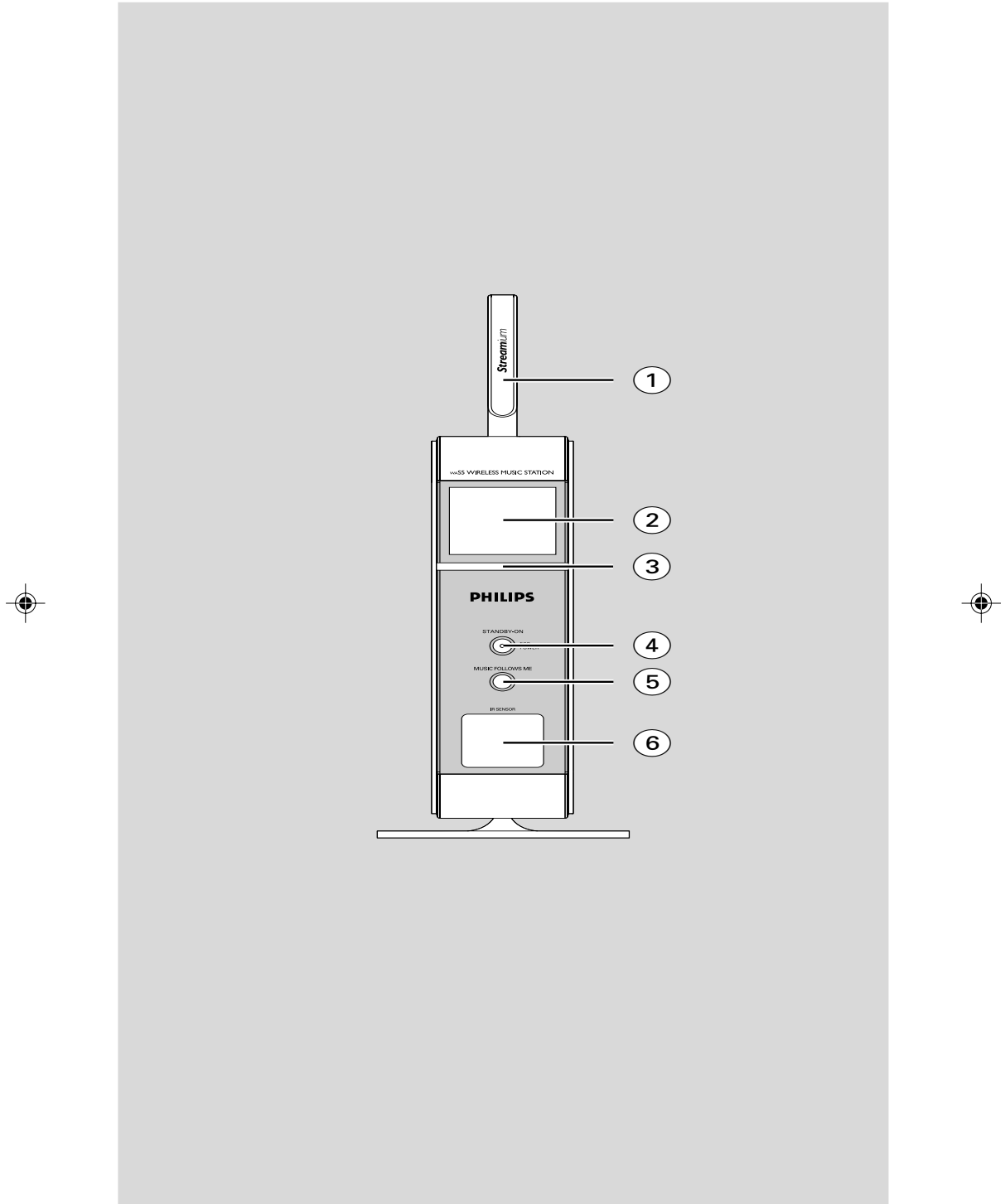
Model No. _____

Serial No. _____

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

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

2

Streamium

① ② ③ ④ ⑤

STANDBY·ON
ECO
POWER

SOURCE

WACS WIRELESS MUSIC CENTER

RECORD   STOP·MENU

OK

CD/CD-R/CD-RW/WMA·MP3·CD COMPATIBLE

MUSIC
BROADCAST

MUSIC
FOLLOWS ME

PHILIPS

8 cm CD

EJECT

CD GRAPHICS   THIS SIDE UP ▲

⑬ ⑫   ⑪ ⑩   ⑨ ⑧   ⑦ ⑥

PHILIPS

*Congratulations on your purchase,
and welcome to the "family!"*

Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

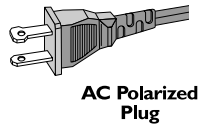Most importantly, you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome - and thanks for investing in a PHILIPS product.

P.S. To get the most from your PHILIPS purchase, be sure to complete and return your Product Registration Card at once.

IMPORTANT SAFETY INSTRUCTIONS

1. **Read these instructions.**
2. **Keep these instructions.**
3. **Heed all warnings.**
4. **Follow all instructions.**
5. **Do not use this apparatus near water.**
6. **Clean only with a piece of dry cloth.**
7. **Do not block any ventilation openings. Install in accordance with the manufacturer´s instructions.**
8. **Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. **Do not defeat the safety purpose** of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

   AC Polarized Plug

10. **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. **Only use attachments/accessories** specified by the manufacturer.
12. **Use only with the cart,** stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart /apparatus combination to avoid injury from tip-over.

13. **Unplug this apparatus** during lightning storms or when unused for long periods of time.
14. **Refer all servicing** to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **Battery usage CAUTION** – To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:
    Install **all** batteries correctly, **+** and **-** as marked on the unit.
    Do not mix batteries (**old** and **new** or **carbon** and **alkaline**, etc.).
    Remove batteries when the unit is not used for a long time.
16. **Apparatus shall not be exposed to dripping or splashing.**
17. **Do not place any sources of danger on the apparatus** (e.g. liquid filled objects, lighted candles).
18. This product may contain lead and mercury. Disposal of these materials may be regulated due to environment considerations.
    For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org.

    EL 6475-S004: 03/12

    Class II equipment symbol
    This symbol indicates that the unit has a double insulation system

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The set complies with the FCC-Rules, Part 15 and with RSS-210 of Industry Canada.

Operation is subject to the following two conditions:
1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

FCC Philips
WACS5

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and the receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/ TV technician for help.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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:
Mr. Bin Li
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.

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:
Mr. Bin Li
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.

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English

Français

Español

Canada

English: (Canadian ICES-003)
This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

Français: (La norme NMB-003 du Canada)
Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le Règlement sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.

9

Contents

General Information

About WACS5

WACS5 are excellent addition to your home audio system.

WACS5 comprise a **WAC5** Center and a **WAS5** Station. Up to 5 Stations (WAS5 or WAS700) can be connected to a **WAC5** Center.

On **WAC5**'s 80GB* hard disk, you can centrally store up to 1,500 audio CDs. All the stored music can be wirelessly streamed, via Wi-Fi**, from Center to connected Stations.

With this compact wireless music system, you can fully utilize the sophisticated sound input and speakers in your existing HiFi audio system. **WAC5** provides multiple choices of sound output to maintain high quality sound.

No need to be bound to your CD player or PC etc., or be troubled by the wiring. You can easily listen to your favourite music around your home.

*   Available storage capacity is based on 4 minutes per song, 10 songs per CD on average, 128 kbps MP3 encoding and given the fact that operational software is part of the product's memory.

Actual free space is X GB or less, due to the buffer partition for MP3 compression, firmware, music CD database and demo tracks stored.

** Wi-Fi, or IEEE802.11 b/g, is the international leading industry standard for wireless broadband networking. It transfers digital data with wider range and bandwidth.

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

CAUTION
Changes or modifications not expressly approved by Philips could void FCC authorization to operate this equipment.

Supplied accessories

– Center's remote control and
  4 x AAA batteries
– Station's remote control with
  1 x CR2025 battery
– Station's stand
– DC 9V adaptor
– 2 x Audio cables (for Center and Station)
– 1 x Ethernet cable
– PC installer CD

General Information

Philips on-line support

Philips products have been designed and manufactured to the highest quality standards. If your Philips Connected Planet product is not working correctly, we recommend you check your User Manual to verify that your product is properly connected and configured.

The web site for Connected Planet support: **www.philips.com/support** offers you all information you need to optimally enjoy your product, and about new additions to this exciting range, to make your home entertainment experience even more enjoyable.

Please visit: **www.philips.com/support** and enter your product name (**WACS5**) to view:

● **FAQ** (Frequently Asked Questions)

● Latest user manuals and PC software manuals

● Firmware upgrade files for **WACS5**

● Latest PC software downloads

● Interactive troubleshooting

Since it is possible for you to upgrade your product, we recommend that you register your product on **www.philips.com/register** so we can inform you as soon as new free upgrades become available.

Enjoy your **WACS5**!

The model number is on the rear of the set.

General Information

Environmental information

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

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

Disposal of your old product

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

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

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

Please act according to your local rules and do not dispose 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.

Maintenance

Cleaning the Set

● Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Cleaning 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, commercially available cleaners, or antistatic spray intended for analog records.

Safety information

● Place the set on a flat, hard and stable surface.

● Do not expose the system, batteries or discs to excessive moisture, rain, sand or heat sources caused by heating equipment or direct sunlight.

● Place the sets in a location with adequate ventilation to prevent internal heat build-up in your system. Allow at least 10 cm (4 inches) clearance from the rear and the top of the unit and 5 cm (2 inches) from each side.

● The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers table-cloths, curtains, etc.

● The apparatus shall not be exposed to dripping or splashing.

● No objects filled with liquids, such as vases, shall be placed on the apparatus.

● No naked flame sources, such as lighted candles, should be placed on the apparatus.

● The mechanical parts of the set contain self-lubricating bearings and must not be oiled or lubricated.

Controls on the Center *(Top and front panels)*

1. **STANDBY-ON/ ECO POWER**
   – press briefly to switch Center on or to standby mode;
   – press and hold to switch Center to Eco Power mode or on
   – *Green indicator:* flashes during CD ripping / MP3 conversion

2. **Display**
   – shows status of Center

3. **RECORD**
   – *CD/AUX:* starts the recording to hard disk

4. ◀ / ▶ / ▲ / ▼
   – navigation controls (left, right, up, down) to scroll through the option list

   ◀
   – *HD/CD:* returns to previous option lists

   ▲ / ▼
   – *HD/CD:* skips/searches tracks/passage backward/forward (in playback screen); fast scrolls the option list

   ▶ / OK
   – confirms selection

   OK
   – *HD/CD:* starts or pauses playback
   – *CD:* selects or deselects tracks to be recorded on hard disk

5. **STOP • MENU**
   – stops playback or recording;
   – enters or exits setup menu

6. **MUSIC FOLLOWS ME**
   – *HD:* moves music playback between Center and Station

7. **IR**
   – sensor for the infrared remote control
   Helpful hints: *Always point the remote control towards this sensor.*

8. **MUSIC BROADCAST**
   – *HD:* broadcast music from Center to Station

9. **EJECT**
   – ejects a disc from the slot loader

10. **CD slot loader**

11. **Blue indicator**
    – lights up when the set is working or ready for working

12. **SOURCE**
    – selects sound source **HD**, **CD** or **AUX**
    – In standby mode: switches Center on and selects sound source **HD**, **CD** or **AUX**

13. **Wi-Fi antenna**

Controls on the Station *(front panel)*

① **Wi-Fi antenna**

② **Display**
– shows status of Station

③ **Blue indicator**
– lights up when the set is working or ready for working

④ **STANDBY-ON/ ECO POWER**
– press briefly to switch Center on or to standby mode ;
– press and hold to switch Center to Eco Power mode or on

⑤ **MUSIC FOLLOWS ME**
– **HD:** moves music playback between Center and Station or between Station and Station

⑥ **IR**
– sensor for the infrared remote control
   Helpful hints: *Always point the remote control towards this sensor.*

Center's 2-way remote control
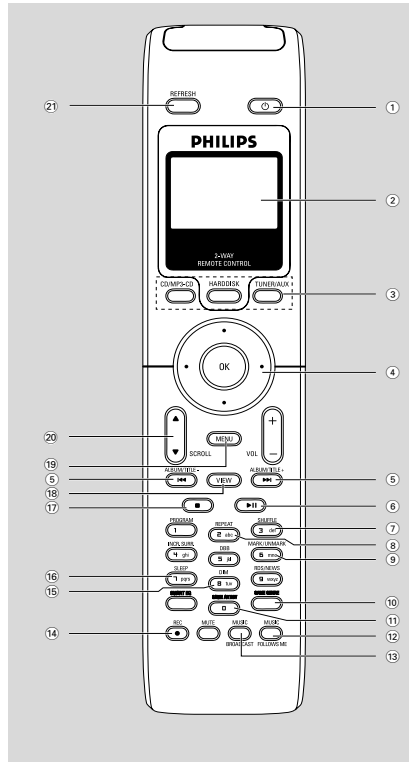

IMPORTANT!
This remote control can be also used for some other Philips' wireless music systems (e.g. WAC700, WAS700), which provide features different from WAC5/WAS5. So, some of the functional keys are exclusively used for those systems.

(1) ⏻
– press briefly to switch the set to standby mode
– press and hold to switch the set to Eco Power mode or on

(2) **Synchro display**
– synchronous display of the set's status

(3) **Source buttons**

CD/MP3-CD
– selects **CD** source
– **In standby mode:** switches the set on and selects **CD** source.

HARDDISK
– selects **HD** source
– In standby mode: switches the set on and selects **HD** source

TUNER/AUX
– selects the audio input from an additional connected appliance
– **In standby mode:** switches the set on and selects the audio input from an additional connected appliance

(4) ◀ / ▶ / ▲ / ▼
– navigation controls (left, right, up, down) to scroll through the option list

◀
– **HD/CD:** returns to previous option lists

▲ / ▼
– **HD/CD:** skips/searches tracks/passage backward/ forward (in playback screen); fast scrolls the option list

▶ / OK
– confirms selection

(5) ◀◀ / ▶▶
– **HD/CD:** skips/searches tracks/passage backward/forward (in playback screen)

(6) ▶ II
– **HD/CD:** starts or pauses playback

(7) **SHUFFLE**
– selects random playback

(8) **REPEAT**
– selects continuous playback

(9) **MARK/UNMARK**
– **CD:** selects or deselects tracks to be recorded on hard disk

Controls

⑩ **SAME GENRE**
– *HD:* plays all the tracks of current Genre

⑪ **SAME ARTIST**
– *HD:* plays all the tracks of current Artist

⑫ **MUSIC FOLLOWS ME**
– *HD:* moves music playback between Center and Station or between Station and Station

⑬ **MUSIC BROADCAST**
– *HD:* broadcasts music from Center to Station

⑭ **REC**
– *CD/AUX:* starts the recording to hard disk

⑮ **DIM**
– changes the brightness of display illumination

⑯ **SLEEP**
– ajusts/displays/switches off sleep timer

⑰ ■
– stops playback or recording

⑱ **VIEW**
– toggles playback screen and previous option list

⑲ **MENU**
– enters or exits setup menu

⑳ ▲ / ▼ **SCROLL**
– scroll the display screen upward or downward

㉑ **REFRESH**
– sychronize remote control's display with the set's display

Station's remote control
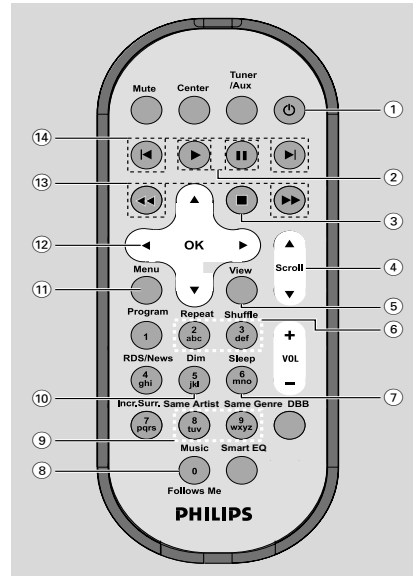
① ⏻
– press briefly to switch the set to standby mode
– press and hold to switch the set to Eco Power mode or on

② ▶
– *HD/CD:* starts playback

   ❚❚
– *HD/CD:* pauses playback

③ ■
– stops playback or recording

④ ▲ / ▼ **Scroll**
– scroll the display screen upward or downward

⑤ **View**
– toggles playback display and previous option list

⑥ **Repeat**
– selects continuous playback

   Shuffle
– selects random playback

⑦ **Sleep**
– ajusts/displays/switches off sleep timer

⑧ **Music Follows Me**
- **HD:** moves music playback between Center and Station or between Station and Station

⑨ **Same Artist**
- **HD:** plays all the tracks of current Artist

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

⑩ **Dim**
- changes the brightness of display illumination

⑪ **Menu**
- enters or exits setup menu

⑫ ◀ / ▶ / ▲ / ▼
- navigation controls (left, right, up, down) to scroll through the option list

◀
- **HD/CD:** returns to previous option lists

▲ / ▼
- **HD/CD:** skips/searches tracks/passage backward/forward (in playback screen); fast scrolls the option list

▶ / **OK**
- confirms selection

⑬ ◀◀ / ▶▶
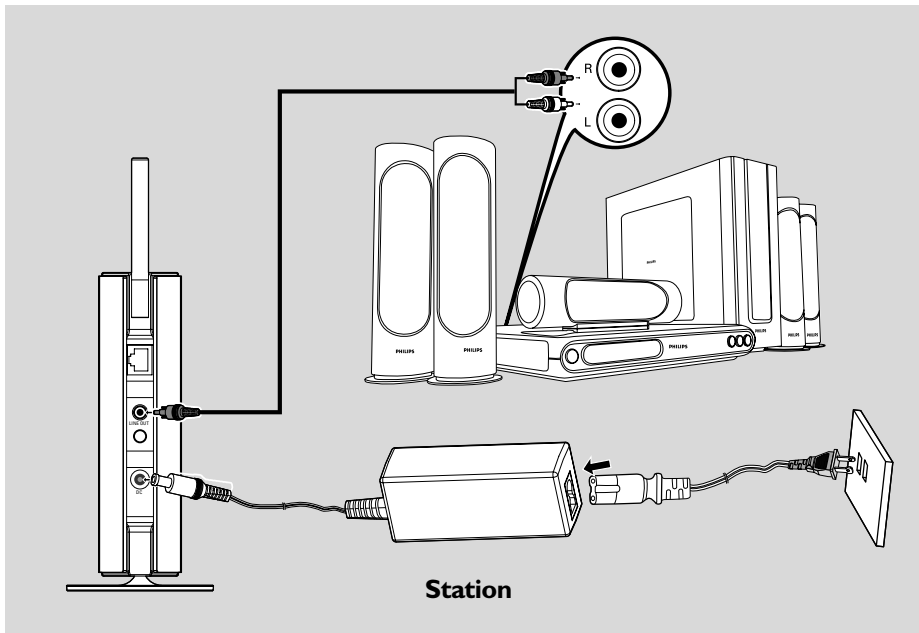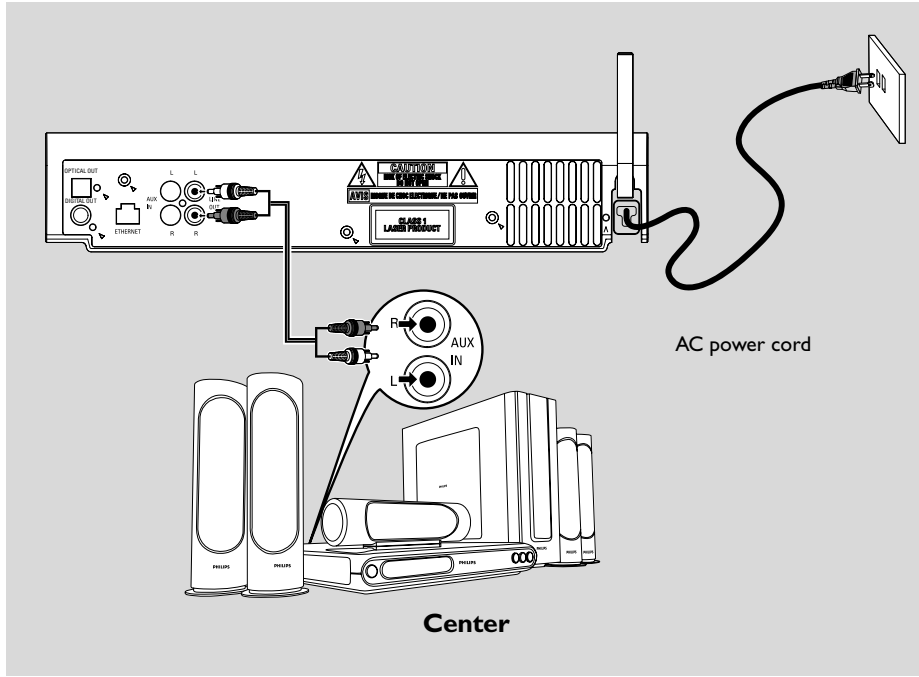- **HD/CD:** searches track passage backward/forward (in playback screen)

⑭ ◀◀, ▶▶|
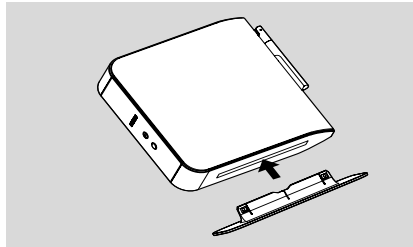- **HD/CD:** skips tracks backward/forward (in playback screen)

Installation

AC power cord

Center

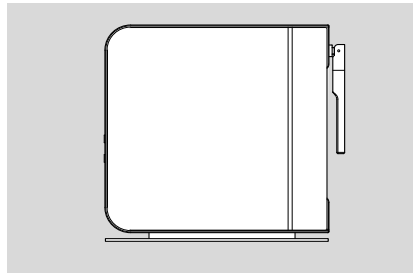**Station**

Placing Center and Station

Mounting stand onto Station

WAS5 Station is equipped with a stand. Once inserted, the stand is undetachable.

❶ Align the supplied stand to the jack at Station's bottom

❷ Insert the stand into the jack firmly

IMPORTANT!
Take the following steps to optimize the Wi-Fi connection between Center and Station.
– Keep your Center and Station away from the source of interference (microwave ovens, DECT phones, bluetooth devices, cordless phones, other Wi-Fi products, etc.)
– Avoid placing your Center or Station close to the plasma TV. It may result in improper display on your Center's 2-way remote control.
– Keep Stations adequately apart or in different angles (e.g. in different rooms blocked by one wall). Within a distance and angle (e.g. in the same room), your Center's remote control is powerful enough to simultaneously operate several Stations, which may also result in improper display on the 2-way remote control.

Setting up Wi-Fi connection between Center and Station

Wi-Fi connection starts automatically when you power up WAC5 Center and WAS5 Station

❶ The first time you set up Wi-Fi connection, place Center and Station side by side on a flat and firm surface

❷ First, connect the Center to power supply, and then, connect the Station to power supply

Center/Station:
➜ The screen lights up. Auto installation/ connection starts.
➜ You will enter **HD** (Harddisk) mode when the installation/connection is finished.
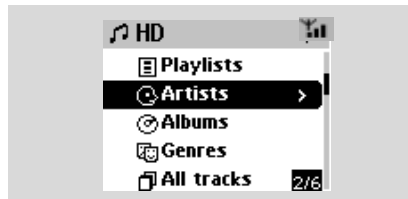
❸ Relocate Center and Station as desired: plug and stream

● Simply unplug your Center or Station and power them up in other rooms.
➜ You will be able to move the harddisk music between Center and Station.

Helpful hints:
– Make sure you have powered up Center before powering up Station.

IMPORTANT!
– Turn the Wi-Fi antenna for best reception.
– Avoid thick walls. Your Center and Station should never be blocked by 2 or more walls.
– Avoid placing the sets close to large metal objects.
– Adjust the location of your Center and Station according to the reception status of Wi-Fi signals.
– indicates maximum reception
– indicates minmum reception
– WACS5 do not support range expander devices

If there is interference from neighborhood, such as the pause during playback, the sets' slow response to your operation

– Use the WEP* key when connecting your Center and Station to an existing wireless PC network. See the manual **Connect to your PC***.*

– Change the operating channel of your Center and Station when connecting them to an existing wireless PC network. To learn about how to change channels, see the manual **Connect to your PC***.*

– If possible, change the operating channels of the other Wi-Fi devices at your home.

– Turn the above devices in different directions to minimize interference.

* stands for Wired **E**quivalent **P**rivacy. It is a security protocol for wireless local area network

Rear connections

Warning:
Never make or change connections with the mains supply switched on.

(A) **Connecting to an additional appliance with powerful speakers**

IMPORTANT!
WACS5 need to work with both external amplifier and external speakers.

With this compact wireless music system, you can fully utilize the sophisticated sound input and speakers in your existing HiFi audio system. Using audio cables, connect one (one set) of WACS5's sound output terminals: **LINE OUT, DIGITAL OUT** or **OPTICAL OUT** to the corresponding input terminals in the connected device. For better sound output, use **DIGITAL OUT** or **OPTICAL OUT** if it is available on the connected device.

Helpful hints:
*– **DIGITAL OUT** and **OPTICAL OUT** are available on WAC5 only.*

LINE OUT:
On Center:

❶ Insert the red plug of the red/white audio cables (supplied) to the red socket **LINE OUT R** and the white plug to the white socket **LINE OUT L**

❷ Connect the other end of the audio cables to the **AUX IN** (or **AUDIO IN**)terminals of the additional appliance, red plug to the red socket **AUX IN R** and white plug to the white socket **AUX IN L**.
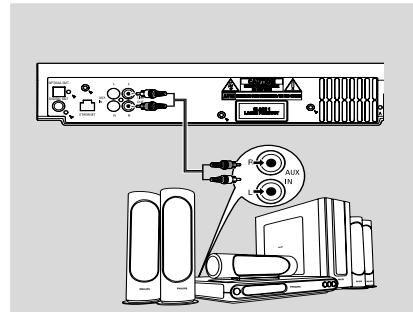
On Station:

❸ Insert the one-plug end of the audio cable (supplied) to **LINE OUT**.

❹ Connect the two-plug end of the audio cables to the **AUX IN** (or **AUDIO IN**) terminals of the additional appliance, red plug to the to the red socket **AUX IN R** and white plug to the white socket **AUX IN L**.
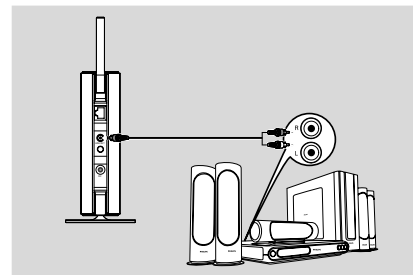
Installation

DIGITAL OUT:

❶ Insert the plug of digital audio cables (not supplied) to the **DIGITAL OUT** socket

❷ Connect the other end of the audio cables to the **DIGITAL IN** terminal of the additional appliance.

Center

OPTICAL OUT:

❶ Insert the plug of optical audio cables (not supplied) to the **OPTICAL OUT** socket

❷ Connect the other end of the audio cables to the **OPTICAL IN** terminal of the additional appliance.

Center

Ⓑ **Connecting to your PC**

● Connect the supplied Ethernet cable to Center's **ETHERNET** and your computer's Ethernet port. For details, see the manual **Connect to your PC**.

Center

Ⓒ **Connecting an additional appliance**

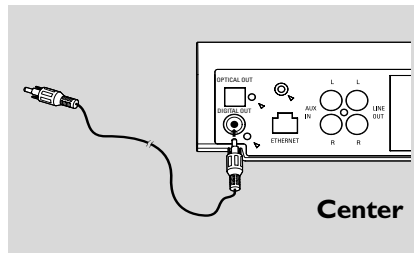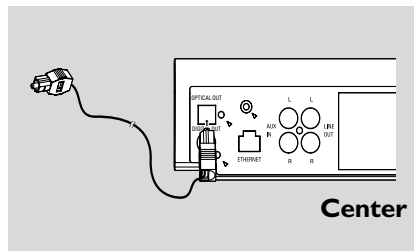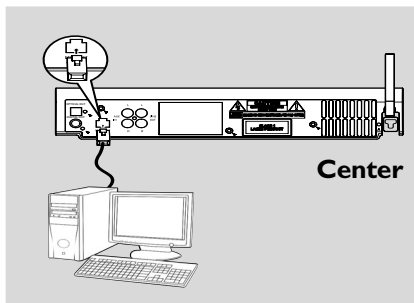It is possible to use an additional appliance, e.g. TV, VCR, Laser Disc player, DVD player or CD recorder, with the WAC5 Center .

❶ Insert the red plug of the red/white audio cables (not supplied) to the red socket **AUX IN R** and the white plug to the white socket **AUX IN L**.

❷ Connect the other end of the audio cables to the **AUDIO OUT** terminals of the additional appliance.

Center
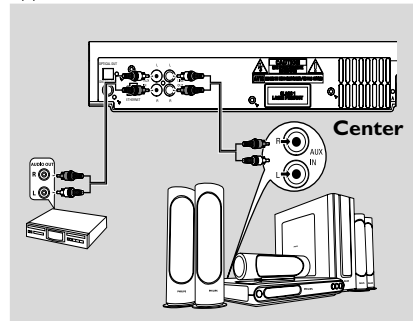
Helpful hints:
– If the connected device has only a single audio out terminal, connect it to the AUX IN left terminal. Alternatively, you can use a "single to double" cinch cable, but the output sound still remain mono.
– Always refer to the owner's manual of other equipment for complete connection.

Using AC power

❶ Make sure all the connections have been made before switching on the power supply.

❷ Connect the AC power cord to the wall socket. This switches on the power supply.

When Center or Station is switched to standby, it is still consuming some power. ***To disconnect the system from the power supply completely, remove the power plug from the wall socket.***

The type plate is located on the rear of the set.

Using the remote control

WA**CS5** are equipped with two remote controls, one for Center and the other for Station. By using either of the remote controls, you can operate both Center and Station.

IMPORTANT!
– Always point the remote control directly towards IR area on the Center or Station you wish to operate.
– Some functional keys on Center's remote control are exclusively used for Center (for example, CD/MP3-CD, MARK/UNMARK, MUSIC BROADCAST etc.)

Putting batteries in place

Center's remote control:

1 Open the battery compartment .
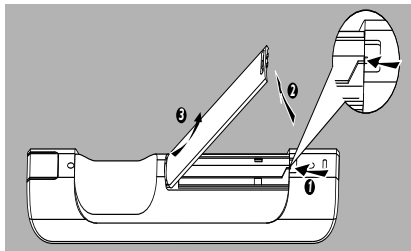
2 Insert 4 batteries type R03 or AAA into the remote control with the correct polarity as indicated by the "+" and "−" symbols inside the battery compartment.
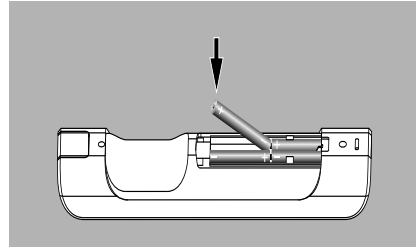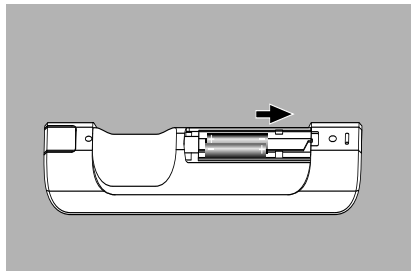
3 Put back the compartment door.

Station's remote control:
● Remove the protective plastic tab before using the Station's remote control.

To replace the batteries

1 Press and hold ◀ as indicated.

2 Simultaneously, pull the battery tray at ▼.

3 Remove the old battery and put a new CR2025 battery in place.

4 Put back the battery tray.
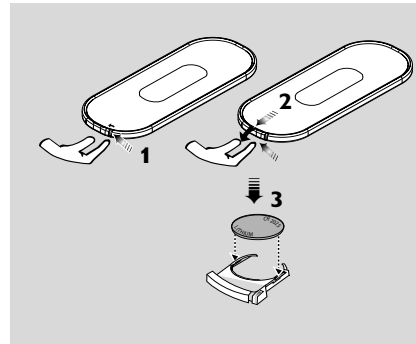
CAUTION!
– Remove batteries if they are exhausted or will not be used for a long time.
– Do not use old and new or different types of batteries in combination.
– Batteries contain chemical substances, so they should be disposed of properly.

Using Center's remote control

Battery usage: *As a remote control with synchronous display, Center's remote control consumes more power than normal remote controls. When its batteries are low or empty, the icon* 🔋 *appears on the remote control's display. Replace the batteries with new alkaline batteries.*

By default, Center's remote control works with Center only. **To operate Station using Center's remote control,**

❶ Press and hold **REFRESH** until the selection screen appears on the display of Center's remote control.

❷ Press the navigation controls ▲ or ▼ and ▶ to select **Station**
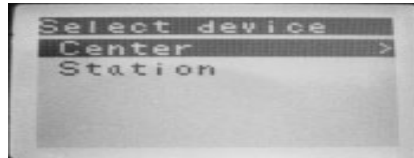
On Center's remote control:

➜ Display shows current status of Station after Station is connected

➜ You can use Center's remote control to operate Station now

Helpful hints:

– *To operate Center using the remote control again, repeat the above steps 1-2 to select Center.*

– **Center's remote control will return to its default setting (works with Center only) when you insert new batteries into it.**

Using the display on the Center's remote control

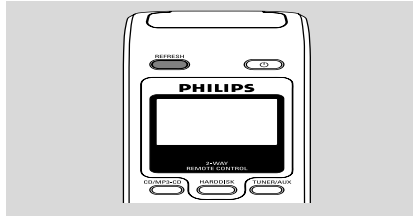You can synchronize the status of your Center or Station onto the display of Center's 2-way remote control. With the synchronized display, your operation of remote control becomes quicker and easier.

Note:

– *Avoid placing your Center or Station close to the plasma TV. It may resuit in improper display on your Center's remote control. Always keep WACS5 far enough from the plasma TV or turn off your plasma TV.*

– *If you switch on your Center or Station using the* **STANDBY-ON/ ECO POWER** *button on the set, press* **REFRESH** *on Center's remote control to synchronize the remote control's display.*

– *The display supports 6 European languages: English, French, Spanish, Dutch, Italian and German*

Using the navigation controls

When selecting options on the set's screen, you often need to use the navigation controls ◀ / ▶ / ▲ / ▼.

❶ Press ▲ / ▼ to highlight an option.

❷ Enter its submenu by pressing ▶.

❸ Press ◀ to return to the previous option list screen.

❹ Press **OK** or ▶ to confirm

Switching to standby/on and selecting functions

❶ When the set is on, press **STANDBY-ON**/ **ECO POWER** to switch it to standby (or ⏻ on the remote control)

➜ Display shows **GoodBye**. Then, **Center:** ➜ The screen dims out. Display shows Station Status screen and the number of stations found.
Station: ➜ The **PHILIPS** screen dims out.

❷ To switch on, press **STANDBY-ON**/ **ECO POWER** on the set
➜ The set switches to the last source selected.
● You can also switch on Center by pressing the source button on Center's remote control (e.g. **HARDDISK**, **CD/MP3-CD**, **AUX**).

❸ To select Center's function, press **SOURCE** once or more on the set (or **HARDDISK**, **CD/ MP3-CD**, **AUX** on Center's remote control)

Helpful hints:
– CD/MP3-CD and AUX source is only available on Center.
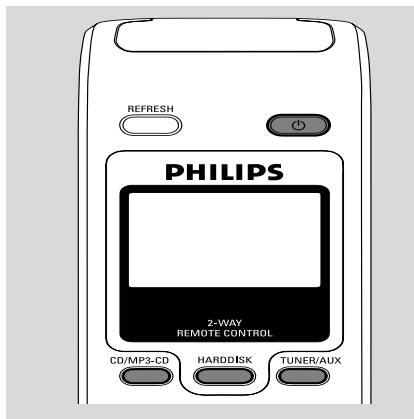
Switching to Eco power/ on

In the power-saving Eco power mode, the set's display and Wi-Fi connection are turned off. The Center's harddisk also stops working. When you switch Center to Eco power, it is impossible to move music between Center and Station or import music from PC to Center.

❶ When the set is on, press and hold **STANDBY-ON**/ **ECO POWER** to switch it to Eco power (or ⏻ on the remote control).
➜ The display is switched off.
➜ The blue indicator is off.

❷ To switch on, press and hold **STANDBY-ON**/ **ECO POWER** (or ⏻ on the remote control) or press and hold **SOURCE** on the set
➜ The set switches to the last source selected.

Helpful hints:
– In the standby/Eco power mode, the settings of networking, sound, display, language and CD recording will be retained in the set's memory.

Auto-standby

● When the set has reached the end of playback/ recording and remains in the stop position for more than 5 minutes, the set will switch to standby automatically to save power.

Adjusting the brightness of blue indicator

The blue indicator lights up when the set is working or ready for working.

● On the remote control, press and hold **DIM** to turn the brightness up or down.
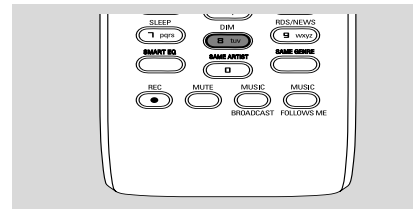
Display adjustment

You can adjust the display's backlight and contrast settings

❶ On the remote control, press **MENU** to enter the **MENU** screen (or on Center, press and hold **STOP • MENU**)

❷ Use the navigation controls ▲ or ▼ and ▶ to select **Settings**

❸ Press ▲ or ▼ and ▶ to select **Display**

❹ Press ◀ / ▶ / ▲ / ▼ to select your options:
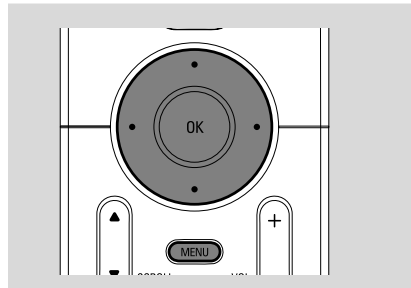
Backlight:
Press ▲ or ▼ and ▶ to select on or off ;
● You can also turn the backlight on or off by pressing **DIM** on the remote control
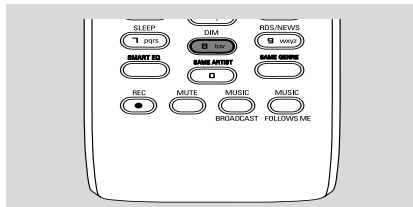
Contrast:
Press ▲ / ▼ to reduce or enlarge the contrast

Selecting languages

❶ On the remote control, press **MENU** to enter the **MENU** screen (or on Center, press and hold **STOP • MENU**)

❷ Use the navigation controls ▲ or ▼ and ▶ to select **Settings**

❸ Use the navigation controls ▲ or ▼ and ▶ to select **Language**

❹ Press ▲ or ▼ and ▶ to select:

English, French, Spanish, Dutch, Italian and **German**

HD

Playing Harddisk (HD)

On **WAC5** Center is located a 80GB hard disk, where music is centrally stored. Via Wi-Fi, all the stored music can be streamed and played on Station.

➊ Check the Center or Station is switched on or to standby

For Station: also check the Center is switched on or to standby
➜ The blue indicator lights up
(See **Basic functions, Switching to standby/on and selecting functions, Switching to Eco power/ on**)

➋ **On Center:** Press **SOURCE** once or more to select **HD** (on Center's remote control, press **HARDDISK**)
➜ Display shows HD and the categories of your music library: **Playlists**, **Artists**, **Albums**, **Genres**, **All tracks**, **Raw tracks**
➜ Demo tracks are stored in **Playlists**

Playlists( ): custom collection of your favorite tracks sorted by the playlists' name in alphanumeric order

Artists ( ): collection of albums sorted by the artists' name in alphanumeric order

Albums ( ): albums sorted by the albums' name in alphanumeric order

Genres ( ): artists' album collection sorted by music style

All tracks ( ): tracks sorted by the tracks' name in alphanumeric order

**Raw tracks ( ):** tracks to be compressed (MP3 conversion)

```
♫ HD
目 Playlists
Artists          >
Albums
Genres
All tracks   2/6
```

➌ Press the navigation controls ▲ or ▼ and ▶ to select your option

➍ Press ▶ (or **OK**) to start playback, if necessary.

● Press **OK** on a highlighted artist, genre or album to start playback from the beginning of the item (or ▶ II on Center's remote control; the Play key ▶ on Station's remote control).
➜ The playback screen shows:
on the top: your HD option (e.g. Playlist, Artist)
in the middle: current track name, elapsed playing time and some track information
at the bottom: equalizer setting and, if DBB is activated, DBB setting.

```
⊙ ⇄ ⋯        Y₁ₗ
I Want You (She...
▶ ▬▬▬       0:27
The Beatles - Abbey Road
⠿ Pop          DBB2
```

➎ To pause playback, press **OK** (or ▶ II on Center's remote control; II on the Station's remote control). To resume playback, press the button again.

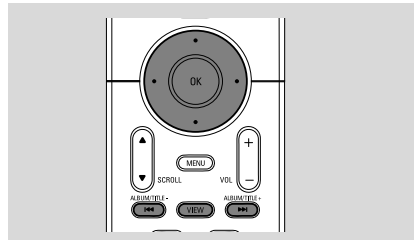➏ To stop playback, press **STOP** ■.

Selecting and searching

Selecting a different album or track

➊ If necessary, repeatedly press ◀ to enter previous option lists

➋ Repeatedly press the navigation controls ▲ or ▼ and ▶ to select the desired album or track.

➌ Press **VIEW** to return to the playback screen, if necessary.

To select a different track in current album during playback

● In the playback screen, briefly and repeatedly press the navigation controls ▲ or ▼ to select previous or next tracks (or I◄◄ or ►►I on Center's remote control; I◄, ►I on Station's remote control)

Using the fast skip ▲ or ▼

Use this function to find an option (e.g. an album or a track) in a long option list.

● Press and hold the navigation controls ▲ or ▼ in the long option list.
   → You will skip the options faster and faster
   → At the high speed skip, the initial letter of current options appears for easy identification

Joe Jackson
Joe Nichols
Joe Walsh
< Johannes B... >
Johann Seba.. 64/180

Finding a passage within a track during playback

❶ In the playback screen, press and hold the navigation controls ▲ or ▼ (or I◄◄ or ►►I on Center's remote control; ◄◄ / ►► on Station's remote control)
   → The HD plays at a high speed.

❷ When you recognize the passage you want, release ▲ or ▼ (or I◄◄ or ►►I on Center's remote control; ◄◄ / ►► on Station's remote control)
   → Normal playback resumes.

Selecting tracks of a particular artist

● During playback, press **SAME ARTIST**
   → Playback of current artist's tracks continues after current track.

Selecting tracks of a particular genre

● During playback, press **SAME GENRE**
   → Playback of current genre's tracks continues after current track.

Different 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

🔀 – tracks (under current artist, genre or album) are played in random order

❶ During playback, press once or more **REPEAT** or/ and **SHUFFLE** to select play modes.

❷ To return to normal playback, press **REPEAT** or **SHUFFLE** repeatedly until the various modes are no longer displayed.
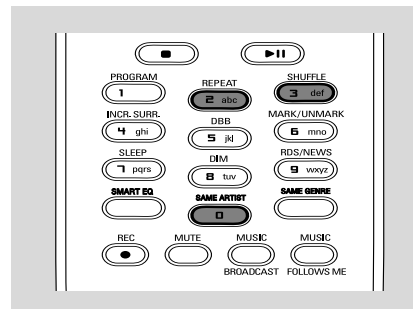
HD

Creating Playlist: custom collection of your favorite music

On Center's hard disk., you can create up to 99 playlists consisting of your favorite tracks in the desired sequence.

Helpful hints:
– You can also create your playlists on your computer via Philips Digital Media Manager (DMM). For details, see DMM's help file. Refer to the manual Connect to your PC to learn how to install DMM software.

1 Use the navigation controls ◄ / ► / ▲ / ▼ to highlight the desired track/album (see **Selecting and searching**)

2 Press **MENU** to enter the **MENU** screen

3 Use the navigation controls ▲ or ▼ and ► to select **Create Playlist**

```
📃 📃                         ▒Ⅱ
Playlist_002
Equalizer
Create Playlist          >
Add To Playlist
Delete Playlist          ⌄
```

➜ A new playlist is created. Display shows:
Playlist created. To add tracks, select " Add to Playlist".

4 To select **Add to Playlist,**
a. Press **MENU** to enter the **MENU** screen
b. In the **MENU** screen, use the navigation controls ▲ or ▼ and ► to select
➜ A list of playlists appears

5 Use the navigation controls ▲ or ▼ and ► to select the desired playlist
➜ Display shows: **Track(s) added to playlist**

6 Repeat steps **1, 4** , **5** to select and store all desired tracks in this way.

Deleting a playlist, album or track

1 Use the navigation controls ▲ or ▼ and ► to enter a category (Playlist, Artists, Albums, Genres, All tracks, Raw tracks

● If necessary, press ▲ or ▼ and ► once or more to enter the album/track list

2 Press ▲ or ▼ to highlight a selected playlist, album or track

3 To select **Delete Playlist, Delete Album** or **Delete Track**
a. Press **MENU** to enter the **MENU** screen
b. In the **MENU** screen, use the navigation controls ▲ or ▼ and ► to select.

4 Press ▲ or ▼ and ► to select **Yes**
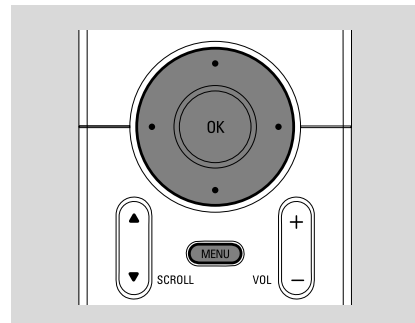
Building music library on Center

By **ripping CDs**, **Importing from PC** and **Recording from external source** you can build your music library on Center's hard disk.

IMPORTANT!
– Recording is permissible if copyright or other rights of third parties are not infringed upon.
– For CDs encoded with copyright protection technologies by some record companies, recording is restricted.

Ripping CDs

With **WAC5** Center, you can rip audio CD tracks from your pre-recorded CDs and store them as MP3 files in the Center's hard disk. The Gracenote® music recognition service enables your set to look up from its built-in database the CD track information (including album, artist, genre, track information). It allows the ripped CD tracks to be properly categorized (for example, under **Artists, Albums, Genres** or **All tracks)** and also merged with the existing tracks in the harddisk. To update your Gracenote® music recognition service database, see the manual **Connect to your PC**

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❶ Insert a CD into Center's CD loader, with the printed side facing up
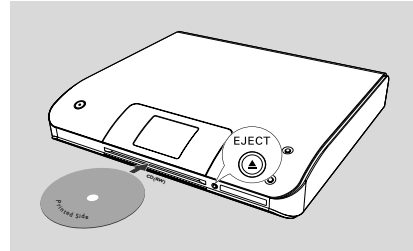
➜ Display shows: **Reading CD**.
➜ List of tracks appears

● *MP3/WMA:* To enter the track list, press ▶ on a highlighted file folder

❷ In the screen of track list, press **RECORD**
➜ List of track checkboxes appears

❸ Press **OK** to select or deselect the tracks to be recorded (or **MARK•UNMARK** on the remote control)

● To select/deselect all tracks, press and hold **OK MARK• UNMARK** on the remote control)
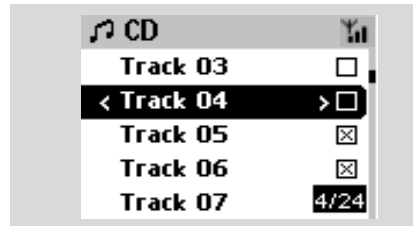
❹ To select **Rec speed** (1x, 4x) and **Rec quality**,
a. Press **MENU**.
b. Use the navigation controls ▲ or ▼ and ▶ to enter **Settings** menu
c. In **Settings** menu, use the navigation controls ▲ or ▼ and ▶ to select.

❺ To start recording, press **RECORD**
➜ Display shows **CD-Rec** and the album name of the track being recorded.
(a default album name, e.g. Album_001, is assigned if the CD track information cannot be found in Center's built-in Gracenote® music recognition service database)
➜ Center will return to **HD** mode when ripping is finished

HD

```
♫ CD-Rec              Ⅷ
   Track 01
 ▶ ▌■ ▢▢▢▢▢▢▢▢▢▢▢▢
 Unknown - Album—002
 ▥▥▥ Bass/Treble On  DBB1
```

6 To rip another CD, repeat the **step 1** above
(Up to 8 CDs can be ripped consecutively)

7 To stop recording, press **STOP/■**

To rip an audio CD track during playback

1 Use the navigation controls ▲ or ▼ and ▶ to
select a track.

2 Press **RECORD**.
➜ You will record and play the selected track.
from the beginning.

3 **CD-Rec** appears. Display shows the album
name of the track being recorded.

Helpful hints:
– To switch off the sound output temporarily,
press MUTE.

Important!
– During the CD ripping/ MP3 conversion, the
ACTIVE *indicator lights up green.*
– While the **ACTIVE** *indicator lights up green,*
do not switch Center to **ECO POWER** *(power-*
saving mode) or remove its power plug.
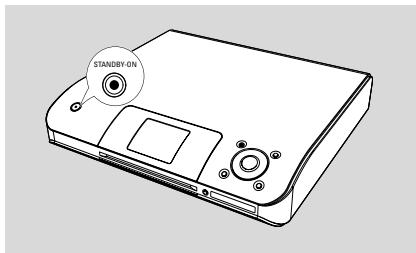
To find your ripped tracks
After MP3 conversion is completed (the
ACTIVE indicator is off), you can find and
playback the ripped tracks in **Albums**.

1 Select **HD** source

2 In **Albums,** use the navigation controls ▲ or ▼
and ▶ to enter the album of recorded tracks.
– Only the completely ripped track can be
found on Center's harddisk.
– You will find the ripped CD tracks under
Raw tracks if they are to be compressed (MP3
conversion).

Importing from PC

The supplied PC Installer CD contains Digital
Media Manager (DMM) software. It will help
you organize the music files on your PC and
import them to WAC700 Center. For details,
see DMM's help file. Refer to the manual
Connect to your PC to learn how to install
DMM software.

Recording from external source

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

1 In **Radio** mode, tune to the desired radio
station (See **Tuner, Tuning to radio stations**)
or In **AUX** mode, start playback from the
external source (see **AUX**)

2 Press **RECORD**.
➜ Recording starts

3 To stop recording, press **STOP/■**.
➜ The recording is saved as a file under **RADIO**
or **AUX** in **Albums**. A file name is given, e.g.
Radio_xx, or Aux_xx (where xx denotes a
number)

To find your recording

1 Select **HD** source

2 In **Albums,** use the navigation controls ▲ or ▼
and ▶ to enter **AUX**

Display track information

❶ During playback, press **VIEW** once or more to enter the playback screen
➜ The display shows:

on the top: HD
in the middle: current track name, elapsed playing time and some track information
at the bottom: equalizer setting and, if DBB is activated, DBB setting.

❷ Press ▶
➜ The display shows track information (e.g. track name, file type, file size, bit rate of mp3/wma files)

❸ Press **VIEW** once or more to return to the playback screen.

Moving in your WiFi network of Center and Stations

Up to 5 Stations can be to connected to wAC5 Center. Via Wi-Fi, music can move between Center and Stations. Even in different places of your house, you and your family will enjoy and share music with ease.

MUSIC FOLLOWS ME

As you move around at home, let music move around you, between **Center** and **Station** or between **Station** and **Station**.

On the first unit (Center or Station), where music will leave:

❶ During HD playback, select the album or playlist you wish to play on the second unit (see **Selecting and searching, Selecting a different album or track**)

❷ Press **MUSIC FOLLOWS ME** to activate
➜ The icon ⊡ appears. Playback continues

● To start playback from the beginning on the second unit, first press ▶ II on the Center's remote control (or II on the Station's remote control, and then, press **MUSIC FOLLOWS ME**

❸ To deactivate **MUSIC FOLLOWS ME**, press **MUSIC FOLLOWS ME** again or other functional keys (e.g. **SLEEP**, **RDS/NEWS** or ◀ / ▶ / ▲ / ▼)

● **MUSIC FOLLOWS ME** will be automatically deactivated if you do not activate **MUSIC FOLLOWS ME** on the second unit within 5 minute

On the second unit (Center or Station), where music will continue

❹ Check you have selected HD, CD or AUX source on the second unit or have switched the unit to standby mode (see **Basic functions, Switch on/to standby and selecting functions**)

● Check the blue indicator lights up

HD

⑤ Press **MUSIC FOLLOWS ME** within 5 minutes after **MUSIC FOLLOWS ME** is activated on the first unit

→ Selected music stops on the first unit and continues on the second unit. The icon 🔁 disappears.

→ Selected play modes (e.g. 🔁 , 🔁)are retained on the second unit (see **Different play modes: REPEAT, SHUFFLE**)

⑥ To stop **MUSIC FOLLOWS ME**, press **STOP/■** on the second unit.

Helpful hints:
After **MUSIC FOLLOWS ME** is activated on the second unit, on the first unit:
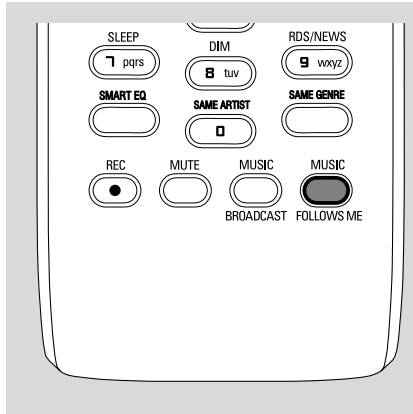– *make sure the first unit is switched on or to standby mode*
– *you can select other tracks or source for playback*

MUSIC BROADCAST

MUSIC BROADCAST allows you to broadcast music from **Center** to **Station(s)**.

On Station(s)

① Check you have switched the Station(s) on or to standby mode (see **Basic functions, Switch on/to standby and selecting functions)**

② Check the blue indicator lights up

On Center

③ During HD playback, select the album or playlist you wish to broadcast to Station(s)

④ Press **MUSIC BROADCAST** to activate

→ The icon 🔲 appears on Center and Station(s). 5-second countdown starts.

→ **On Center and Station(s)**: Selected music plays simultaneously several seconds after the 5-second countdown.

⑤ For a station to exit **MUSIC BROADCAST**, press **STOP/■** on the Station

● To broadcast music to the station again, you have to stop **MUSIC BROADCAST** on Center and then, activate **MUSIC BROADCAST** again on Center.

⑥ To stop **MUSIC BROADCAST**, press **STOP/ ■** on the Center.

Helpful hints: **MUSIC BROADCAST** will also stop when:
– *you switched Center to Standby or Eco power;*
– *the selected album or playlist has reached the end.*

HD

Station management

Adding a station

You can add a station to an existing Wi-Fi network of Center and Station. Up to 5 stations can be connected to a WAC Center.

1 Switch on WAC5 Center and select **HD** source

2 To select **Add New Station** on Center
   a. Press **MENU** (on Center, press and hold **STOP**)
   b. Use the navigation controls ▲ or ▼ and ▶ to enter **Station Mgnt** menu
   c. In **Station Mgnt** menu, use the navigation controls ▲ or ▼ and ▶ to select
   → You will enter the **Installation Mode**. Searching for the new station starts.
   → Playback stops on the previously associated Station if you are playing the HD source

3 Connect the new station to power supply
   → On the Center 's display shows the number of stations found

4 Press **STOP/■** on the Center when all the stations are found

   Helpful hints:
   – To change your setting of Wi-Fi connection, see the manual **Connect to your PC***.*

Deleting a station

1 Switch on WAC5 Center and select **HD** source

2 To select **Delete Station** on Center
   a. Press **MENU**.
   b. Use the navigation controls ▲ or ▼ and ▶ to enter **Station Mgnt** menu
   c. In **Station Mgnt** menu, use the navigation controls ▲ or ▼ and ▶ to select
   → On the Center 's display shows the list of connected stations

3 Press ▲ or ▼ and ▶ to select the station you wish to delete

4 Press ▲ or ▼ and ▶ to select **Yes**

Viewing station status

1 Switch on WAC5 Center and select **HD** source

2 To select **Station Status** on Center
   a. Press **MENU**.
   b. Use the navigation controls ▲ or ▼ and ▶ to enter **Station Mgnt** menu
   c. In **Station Mgnt** menu, use the navigation controls ▲ or ▼ and ▶ to select
   → On the Center 's display shows the list of stations connected or ever connected

3 Press ▶ to view the connection information

Information about your WACS5

1 Switch on WAC5 Center (or WAS5 Station) and select **HD** source.

2 To select **Information** on Center or Station
   a. Press **MENU**.
   b. Use the navigation controls ▲ or ▼ and ▶ to enter Information menu
   → The display shows: the name of Center or Station, firmware version and free harddisk space (for Center only)

Firmware

Upgrading firmware

The supplied PC Installer CD contains Digital Media Manager (DMM) software. It will help you get the upgrades for WAC5 Center. For details, see DMM's help file. Refer to the manual **Connect to your PC** to learn how to install DMM software.

Restoring previous firmware

After the Center's firmware is upgraded, you can restore it to its previous version as desired.

1 In Center's HD mode, press **MENU**.

2 Use the navigation controls ▲ or ▼ and ▶ to enter **Restore firmware** menu.

3 Press ▲ or ▼ and ▶ to select **No** or **Yes**.

Re-establishing Wi-Fi connection

After upgrading or restoring the Center's firmware, you need to re-establish the Wi-Fi connection between Center and Stations.

On the WAS5 Stations,

● Enter **Installation Mode** by:
  a. Remove the Station's power plug and then, connect it to the power supply again.
  → "**Connecting to Center**" appears
  b. Press **MENU** or **STOP** to enter the selection screen of **Installation Mode** and **Select Server**
  c. Use the navigation controls ▲ or ▼ and ▶ to select **Installation Mode**

On Center,

● Select **HD** mode and then, enter **Installation Mode** by:
  a. Press **MENU**.
  b. Use the navigation controls ▲ or ▼ and ▶ to enter **Station Mgnt** menu
  c. In **Station Mgnt** menu, use the navigation controls ▲ or ▼ and ▶ to select **Add New Station**
  → Searching for Stations starts.

On Center,

● Press **STOP ■** to exit **Installation Mode** when Center has found all the stations.

CD

Discs for playback

With this system, you can play
– all pre-recorded audio CDs (CDDA)
– all finalized audio CD-Rs and CD-RWs
  (12cm CD and 8cm 185 or 200 MB CD)
– MP3WMA-CDs (CD-Rs/CD-RWs with MP3/
  WMA 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 CD quality sound.
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.
– 12-cm 650Mb and 700Mb CD-R/ CD-RWs
– Directory nesting up to a maximum of 8 levels
– WMA v7 or earlier (max. 192Kbps cbr)

The system will not play or support the following:
• Empty albums: an empty album is an album that does not contain MP3/WMA files, and will not be shown in the display.
• Non-supported file formats are skipped. This means that e.g.: Word documents .doc or MP3 files with extension .dlf are ignored and will not be played.
• DRM protected WMA files
• WMA files in Lossless or VBR format

IMPORTANT!
– Make sure that the file names of MP3 files end with .mp3.
– 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).

Playing discs

❶ Check the Center is switched on or to standby (See **Basic functions, Switching on/to standby and selecting functions, Switching to Eco power/ on**)

❷ Insert a CD/CD-R(W) into Center's CD slot load, with the printed side facing up.

● Make sure you have removed other disc from the loader.
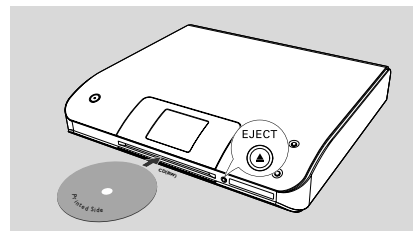
→ **Reading CD** is displayed as the player scans the contents of a disc.
→ **Audio CD:** the list of tracks appears (track information appears if it is available after the lookup of Gracenote Music Recognition Service database)
→ **MP3/WMA:** the list of albums appears

Helpful hints:
– "Others" is shown as an album, if you have not organized your MP3/WMA files into any albums on your disc.
– "CDDA" is an album for audio CD tracks if the disc contains both CD Audio tracks and MP3/WMA files.
– "All tracks" is shown as an album for MP3/WMA CD

❸ Press once or more the navigation controls ▲ or ▼ and ▶ to select a track

❹ Press ▶ (or **OK**) to start playback, if necessary.

● **MP3/WMA:** Press **OK** on a highlighted album to start playback of the album (or ▶ II on Center's remote control; the Play key ▶ on Station's remote control)

● **MP3/WMA:** Press **OK** on the highlighted album **All tracks** to start playback of all the tracks on the disc (or ▶ II on Center's remote control; the Play key ▶ on Station's remote control)

❺ To pause playback, press **OK.**(or ▶ II on Center's remote control; II on the Station's remote control). To resume playback, press the button again.

❻ To stop playback, press **STOP ■** .
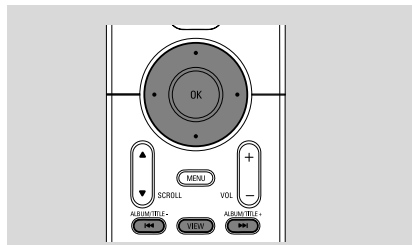
❼ To remove the disc, press **EJECT** on Center

Selecting and searching

Selecting a different album/track

❶ If necessary, repeatedly press ◀ to enter previous option lists

❷ Repeatedly press the navigation controls ▲ or ▼ and ▶ to select the desired album or track.

❸ Press **VIEW** to return to the playback screen, if necessary.

To select a different track (in current album) during playback

● In the playback screen, briefly and repeatedly press the navigation controls ▲ or ▼ to select previous or next tracks (or I◀◀ or ▶▶I on Center's remote control;I◀, ▶I on Station's remote control)

Using the fast skip ▲ or ▼

Use this function to find an option (e.g. an album or a track) in a long option list.

● Press and hold the navigation controls ▲ or ▼ in the long option list.
  → You will skip the options faster and faster
  → At the high speed skip, the initial letter of current options appears for easy identification.

Finding a passage within a track during playback

❶ In the playback screen, press and hold the navigation controls ▲ or ▼ (or I◀◀ or ▶▶I on Center's remote control; ◀◀ / ▶▶ on Station's remote control)
  → The CD plays at a high speed.

❷ When you recognize the passage you want, release I◀◀ or ▶▶I (or ◀◀ / ▶▶ on Station's remote control)
  → Normal playback resumes.

CD

Different play modes: REPEAT, SHUFFLE

🔁 – plays the current track continuously

🔁 – repeats all the tracks (under current album)

🔀🔁 – repeats all the tracks (under current album) in random order

🔀 – tracks (under current album) are played in random order

❶ During playback, press once or more **REPEAT** or/ and **SHUFFLE** to select play modes.

❷ To return to normal playback, press **REPEAT** or **SHUFFLE** repeatedly until the various modes are no longer displayed.
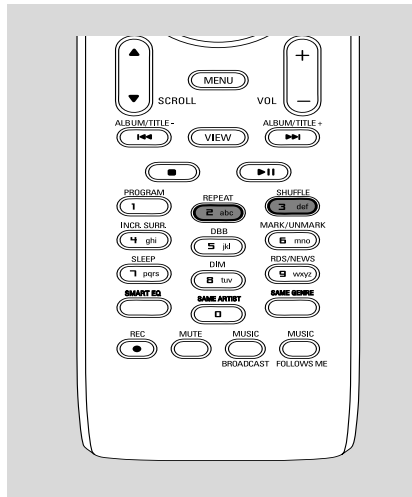
Display track information

❶ During playback, press **VIEW** once or more to enter the playback screen

➔ The display shows:

on the top: CD

in the middle: current track name, elapsed playing time and some track information

at the bottom: equalizer setting and, if DBB is activated, DBB setting.

❷ Press ▶

➔ The display shows track information (e.g. track name, file type, file size, bit rate of mp3/ wma files)

❸ Press **VIEW** once or more to return to the playback screen.
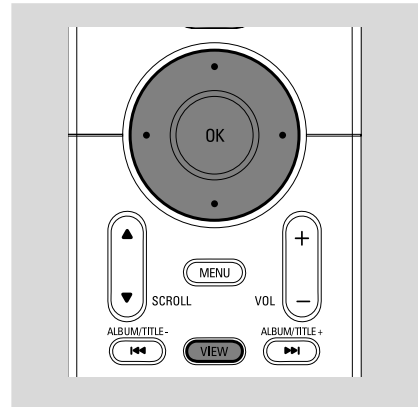
AUX (Listening to an external source, on Center only)

You can listen to the sound of the connected external device through your WAC5 Center.

1 Check the external device has been properly connected (See **Installation, Connecting an additional appliance**)

2 Check the WAC5 Center has been properly connected to an additional appliance with powerful speakers (See **Installation, Connecting an additional appliance**)

3 Check the WAC5 Center is switched on or to standby (See **Basic functions, Switching on/ to standby and selecting functions, Switching to Eco power/ on**)

4 Press **SOURCE** once or more to select **AUX** (on the remote control, press **TUNER/AUX** once or more)

5 Press the **PLAY** key on the connected device to start playback.

6 To adjust the sound and volume, use the sound controls on your external device.

```
┌─────────────────────────────┐
│ ♫ AUX                   ▐▌   │
│                             │
│ External Source             │
│                             │
│        ⊙                    │
│                             │
│ ▐▐▐ Pop            DBB2      │
└─────────────────────────────┘
```
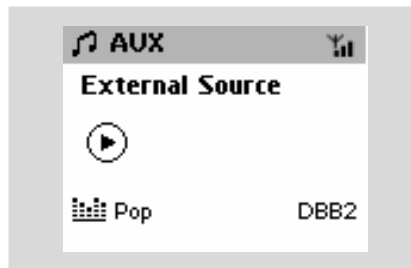
UPnP (on Station only)

After connecting your WAS5 to an existing network, you can set up a UPnP* server in the network. Play from your WAS5 stations the music collection either on the Center or on the UPnP server.

* Univeral Plug and Play (UPnPTM) 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 the networking technologies.

Requirements for the UPnP server:

● The UPnP device has been connected to the same network as WAS5.

● UPnP server software is installed (e.g. **P**hilips **M**edia **M**anager, Musicmatch®) and the UPnP server function is enabled.

To connect a UPnP server

If the WAS5 Station is now connected to Center,

1 Check the Center is switched on or to standby mode

2 Check your UPnP-enabled PC is switched on

3 Switch on the Station

4 To select **Select Server** on Station

  a. On the remote control, press **MENU**.

  b. Use the navigation controls ▲ or ▼ and ▶ to select

  → On the Station 's display shows the list of servers connected

  → **Server not found** appears if there is no UPnP server in the network

5 Use the navigation controls ▲ or ▼ and ▶ to select your desired server

  → On the Station 's display shows PC's music as it does on PC

If the WAS5 Station has ever been connected to Center, but is now disconnected from Center

1 Connect WAS5 to the power supply

  → Display shows:"**Connecting to Center...**"

2 To connect to a UPnP server, press **MENU** or **STOP** on the remote control

  → Display shows the selection screen of **Installation Mode** or **Select Server**

❸ Use the navigation controls ▲ or ▼ and ▶ to select **Select Server**

➜ On the Station 's display shows the list of servers connected

➜ **Server not found** appears if there is no UPnP server in the network

If the WAS5 Station has never connected to Center or server,

❶ Check your UPnP-enabled PC is switched on

❷ Connect WAS5 to the power supply

➜ On the Station 's display shows music stored on PC

To play music on a UPnP server

❶ Check the WAS5 Station is switched on or standby mode

❷ Check the WAS5 Station is connected to a UPnP server

➜ On the Station 's display shows PC's music as it does on PC

Helpful hints:

– On WAS5's UPnP mode, **MUSIC FOLLOWS ME** *and* **MUSIC BROADCAST** *are disabled.*

SLEEP

You can set a certain period of time after which the Center or Station will switch to standby.

❶ On the remote control, press **SLEEP** repeatedly to select the desired time period options (in minutes):

➜ Display shows in sequence: **Sleep 15, 30, 45, 60, 90, 120, Off**

➜ Display shows the selected option briefly and returns to its previous status. The icon **Z^Z** appears.

❷ To view the time countdown to the standby mode, press **SLEEP** again.

To deactivate the sleep timer, press **SLEEP** until **Sleep Off** is displayed.

or

Press **STANDBY-ON**/ **ECO POWER** to switch the set to standby (or ⏻ on the remote control)
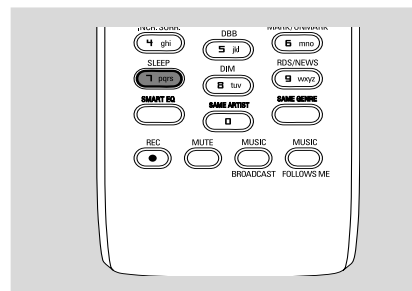
Reset

Reset

If desired, you can restore your Center or Station to their default setting (including the network setting).

❶ Check the set is switched on (See **Basic functions, Switching on/to standby and selecting functions, Switching to Eco power/ on**)

❷ On the remote control, press **MENU** to enter the **MENU** screen (or on Center, press and hold **STOP • MENU**)

❸ Use the navigation controls ▲ or ▼ and ▶ to enter **Settings**

❹ Use the navigation controls ▲ or ▼ and ▶ to enter **Restore settings**

❺ Press ▲ or ▼ and ▶ to select **Yes**
   → The set is rebooted. Language selection screen appears.

❻ Select your desired language: *English, French, Spanish, Dutch, Italian and German*
   → The set enters Installation Mode.
   → The search for Center or Stations starts. The Wi-Fi connection is being re-established.

If the Center is reset and Stations are not reset:

● On the Stations, enter **Installation Mode** by:
   a. Remove the Station's power plug and then, connect it to the power supply again.
   → ''**Connecting to Center**'' appears
   b. Press **MENU** or **STOP** to enter the selection screen of **Installation Mode** and **Select Server**
   c. Use the navigation controls ▲ or ▼ and ▶ to select **Installation Mode**

If a Station is reset and the Center is not:

● On the Center, select **HD** mode and then, enter **Installation Mode** by:
   a. Press **MENU**.
   b. Use the navigation controls ▲ or ▼ and ▶ to enter **Station Mgnt** menu
   c. In **Station Mgnt** menu, use the navigation controls ▲ or ▼ and ▶ to select **Add New Station**
   → Searching for Stations starts.

If both Center and Stations are reset:

● Do as you did in the first-time Wi-Fi connection (see **Installation, Set up Wi-Fi connection between Center and Station**)

❼ On Center, press **STOP** ■ to exit **Installation Mode** when all the Stations are found

Helpful hints:
*– To change your network settings, you need to reset your WAC5 Center (see **Connect your PC, Custom Installation**).*

Troubleshooting

WARNING
Under no circumstances should you 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 remedy a problem by following these hints, consult your dealer or Philips for help.

Problem	Solution
Wi-Fi connection:	
During the first-time setup, Station's display shows "Searching for Center".	✔ Check you have placed the Center and Station side by side on a flat and firm surface ✔ Check you have connected the Center to power supply ✔ When adding a new station, check your center is in **Installation mode** (See **HD**, **Station management**)
I get interference on my wireless (WiFi) link between center and station. The WA**CS** 5 operate in the 2.4GHz radio frequency spectrum. Many other household/IT devices also operate in the frequency spectrum, for example: microwave ovens, Dect phones, bluetooth devices like bluetooth headphones, computer mouse, wireless routers, cordless phones, WiFi compatible printers, PDAs. These devices can interfere with the WiFi link between Center and Station, resulting in such interference as the pause during playback , the set's slow response to your operation. The severity of interference varies depending on the extent of radiation from the device and the strength of Wi-Fi signals in the position.	If you are playing the set, stop playback and take the appropriate measures as follows: ✔ Keep the Center or Station at least 3 meters away from such devices. ✔ Use the WEP key when connecting your Center and Station to an existing wireless PC network. See the manual **Connect to your PC.** ✔ Change the operating channel of your Center and Station when connecting them to an existing wireless PC network. To learn about how to change channels, see the manual **Connect to your PC.** ✔ If possible, change the operating channels of the other Wi-Fi devices at your home. ✔ Turn the devices in different directions to minimize interference.
Remote control:	
When I am using the Center's 2-way remote control, it starts to show "connecting ....connecting" on the display endlessly. When you read this message on the 2-way remote control, there could be the following interference on your remote control: 1) interference signals from the Plasma TV screen (if this device is turned on); 2) conflicting IR signals from a nearby WAS5 Station	✔ Check your plasma TV is turned off ✔ Check you have placed two IR operated devices (Station) in separate rooms wherever possible.

Stations react when you operate Center's remote control	✔ Center's remote control is powerful enough to operate several Stations within certain distance or angle. Check you have placed the Stations in different rooms or place Stations in different angles ✔ Use Station's remote control or the controls on the set.
x flashes on the sychro display of Center's remote control	✔ Signal error. Check you have pointed the remote control toward the IR area of the set you wish to operate
After the set is switched on, nothing appears on the sychro display of Center's remote control	✔ You switched on the set by using the control on the set instead of center's remote control. Press **REFRESH** on center's remote control to synchronize its display.
The remote control does not function properly.	✔ Remove the protective plastic tab before using the Station's remote control. ✔ Reduce the distance between the remote control and the set. ✔ Insert the batteries with their polarities (+/– signs) aligned as indicated. ✔ Replace the batteries. ✔ Point the remote control directly towards the IR sensor.

CD

"No Disc"/ "Cannot read CD" is displayed	✔ Insert a suitable disc. ✔ Check if the disc is inserted with graphics facing front ✔ Wait until the moisture condensation at the lens has cleared. ✔ Replace or clean the disc, see "Maintenance". ✔ Use a finalized CD-RW or CD-R.
Sound cannot be heard or is of poor quality.	✔ Adjust the volume. ✔ Disconnect the headphones. ✔ Switch off MUTE.
The disc skips tracks	✔ Replace or clean disc ✔ Switch off SHUFFLE
Sound skips during MP3/WMA playback	✔ MP3 file made at compression level exceeding 320kbps. Use a lower compression level to rip audio CD tracks. ✔ Replace or clean disc.

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PHILIPS CONSUMER ELECTRONICS warrants this product against defect in material or workmanship, subject to any conditions set forth as follows:

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COVERAGE:

(If this product is determined to be defective)

LABOR: For a period of one (1) year from the date of purchase, Philips will repair or replace the product, at its option, at no charge, or pay the labor charges to the Philips authorized repair facility (see warranty service phone numbers in next column). After the period of one (1) year, Philips will no longer be responsible for charges incurred.

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(Warranty: 4835 710 27100)

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