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AE8000



User manual

PHILIPS

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1 Important

Safety

Warning

- Never remove the casing of this clock radio.
 - Never lubricate any part of this clock radio.
 - Never place this clock radio on other electrical equipment.
 - Keep this clock radio away from direct sunlight, naked flames or heat.
 - Make sure that you always have easy access to the power cord, plug or adaptor to disconnect the clock radio from the power.
-
- Read and follow these instructions.
 - Make sure that there is enough free space around the product for ventilation.
 - Refer all servicing to qualified service personnel. Servicing is required when the clock radio 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 clock radio, the clock radio has been exposed to rain or moisture, does not operate normally, or has been dropped.
 - Only use attachments/accessories specified by the manufacturer.
 - Use only power supplies listed in the user manual.
 - Unplug this product during lightning storms or when unused for long periods of time.
 - Battery usage CAUTION – To prevent battery leakage which may result in bodily injury, property damage, or damage to the remote control:
 - Install the battery correctly, + and - as marked on the remote control.
 - Do not mix batteries (old and new or carbon and alkaline, etc.).

- Remove the battery when the remote control is not used for a long time.
- The battery shall not be exposed to excessive heat such as sunshine, fire or the like.
- The product shall not be exposed to dripping or splashing.
- Do not place any sources of danger on the product (e.g. liquid filled objects, lighted candles).
- Where the plug of the Direct Plug-in Adapter is used as the disconnect device, the disconnect device shall remain readily operable.

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.



Note

- The type plate is located on the back of the device.

2 Your clock radio

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

Introduction

With this clock radio, you can:

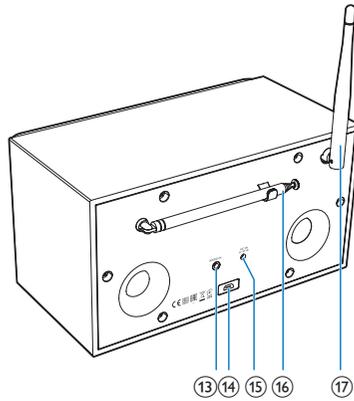
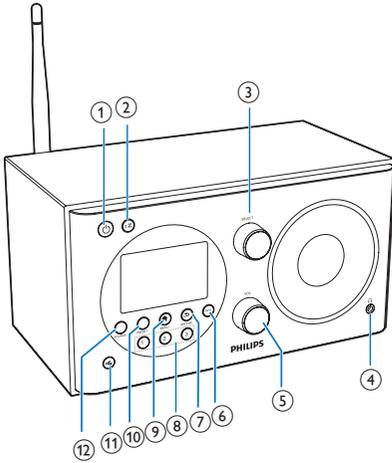
- listen to Internet radio through network connection;
- listen to FM and Digital Audio Broadcasting (DAB) radio;
- enjoy audio from external audio devices;
- know the time; and
- set two alarms.

What's in the box

Check and identify the contents of your package:

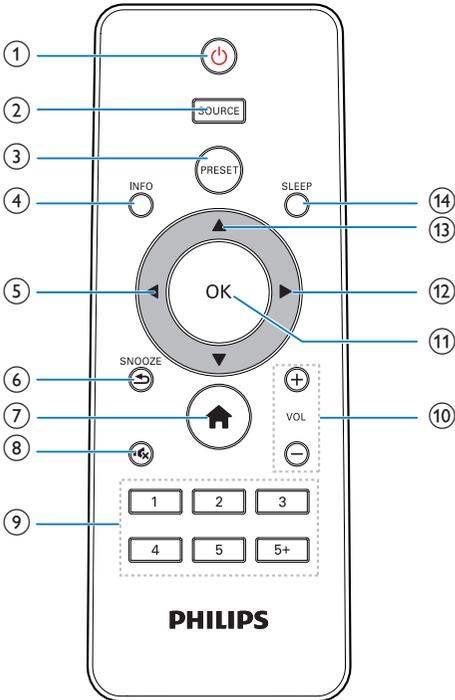
- Clock radio
- Power adapter (with 2 interchangeable plugs)
- Remote control
- Short User Manual
- Safety & notice leaflet

Overview of the clock radio



- ① **⏻**
 - Turn on the radio.
 - Switch to standby mode.
- ② **zZ**
 - Set sleep timer.
- ③ **SELECT knob**
 - Turn clockwise or anticlockwise to tune to radio stations.
 - Turn clockwise or anticlockwise to navigate through the menu list.
 - Press to confirm a selection.
- ④ **🎧**
 - Connect a headphone.
- ⑤ **VOL knob**
 - Adjust volume.
- ⑥ **INFO**
 - In DAB mode, display information of DAB stations.
 - In Internet radio mode, display information of Internet radio stations.
 - In FM mode, display information of RDS stations.
- ⑦ **⏸ /SNOOZE**
 - Return to the previous menu.
 - Snooze the alarm.
- ⑧ **Numeric keypad (1-3)**
 - Select a preset radio station.
 - Select a number to store radio station.
- ⑨ **🏠 MENU**
 - In working mode, access the top menu.
- ⑩ **PRESET**
 - Store radio stations.
 - Display the preset station list.
- ⑪ **🔇**
 - Mute or resume sound.
- ⑫ **SOURCE**
 - Select a source: **DAB radio**, **FM radio**, **AUX IN**, or **Internet radio**.
- ⑬ **AUDIO IN**
 - Connect an external audio device.
- ⑭ **USB socket**
 - For software upgrade only (if necessary).
- ⑮ **DC IN**
 - Connect AC power.
- ⑯ **Radio antenna**
 - Improve radio reception.
- ⑰ **Wi-Fi antenna**
 - Improve Wi-Fi reception.

Overview of the remote control



- ① **⏻**
- Turn on the radio.
 - Switch to standby mode.
- ② **SOURCE**
- Select a source: **DAB radio**, **FM radio**, **AUX**, or **Internet radio**.
- ③ **PRESET**
- Store radio stations.
 - Display the preset station list.
- ④ **INFO**
- In DAB mode, display information of DAB stations.
 - In Internet radio mode, display information of Internet radio stations.
 - In FM mode, display information of RDS stations.

- ⑤ **◀**
- Return to the previous menu.
 - Select an option or sub-option.
- ⑥ **⇒ / SNOOZE**
- Return to the previous menu.
 - Snooze the alarm.
- ⑦ **🏠**
- In working mode, access the top menu.
- ⑧ **🔇**
- Mute or resume sound.
- ⑨ **Numeric keypad (1-5+)**
- Select a preset radio station.
 - Select a number to store radio stations.
- ⑩ **+ VOL -**
- Adjust volume.
- ⑪ **OK**
- Confirm a selection.
- ⑫ **▶**
- Confirm a selection.
 - Select an option or sub-option.
- ⑬ **▲ / ▼**
- Tune to radio stations.
 - Navigate through the menu list.
- ⑭ **SLEEP**
- Set sleep timer.

3 Get started

Always follow the instructions in this chapter in sequence.

Prepare the remote control

Note

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery contains chemical substances, so it should be disposed of properly.
- If you are not going to use the remote control for a long time, remove the battery.

To install the remote control battery:

1 Open the battery compartment.



2 Insert one AAA battery with correct polarity (+/-) as indicated.



3 Close the battery compartment.

Prepare radio antenna

For better radio reception, fully extend and adjust the position of the antenna.

Note

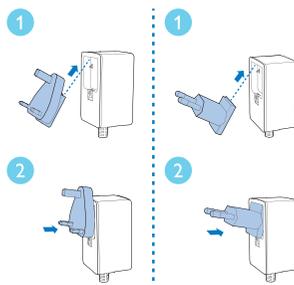
- To prevent interference, position the antenna as far as possible from any other radiation sources.

Connect power

! Caution

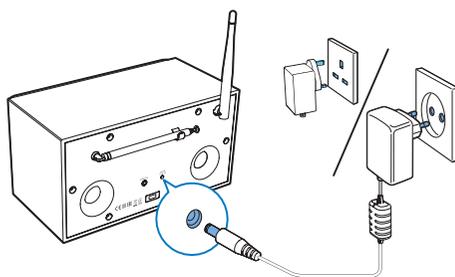
- Risk of product damage! Make sure that the power voltage corresponds to the voltage printed on the back or underside of the clock radio.
- Risk of electric shock! When you unplug the AC plug, always pull the plug from the socket. Never pull the cord.

1 Select an adapter plug converter and fix it to the adapter:



2 Connect the power adapter to:

- the **DC IN** socket on the back of the radio, and
- the wall socket.



Perform initial setup

When the radio is powered on for the first time, the **[Setup wizard]** appears on the display panel. Follow the instructions below to configure some basic settings.

To listen to Internet radio, you need to set up Wi-Fi connection first. Wi-Fi Protected Setup (WPS) is a standard created by Wi-Fi Alliance for easy establishment of secure wireless home network. If your wireless router supports WPS, you can quickly and securely connect the radio to the router through one of the two setup methods: Push Button Configuration (PBC), or Personal Identification Number (PIN). For those that do not support WPS, you have another option to connect the radio to the wireless router:

Note

- Before you connect to a network, familiarize yourself with the network router.
- Make sure that your home Wi-Fi network is enabled.
- For better Wi-Fi reception, rotate and adjust the position of the Wi-Fi antenna.

1 When **[Setup wizard]** is displayed, press **◀/▶** to select **[YES]** to start the setup. If you select **[NO]**, you are asked to run the wizard next time.



- 2** Press **OK** to confirm.
↳ A language list is displayed.
- 3** Press **▲/▼** to select a language for the system.
- 4** Press **OK** to confirm.
↳ **[12/24 hour format]** is displayed.
- 5** Press **◀/▶** to select 12 or 24 hour format.
- 6** Press **OK** to confirm.

7 Repeat steps 3 to 4 to select whether to synchronize time with radio stations.



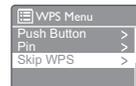
- **[Update from DAB]**: synchronize time with DAB stations.
- **[Update from FM]**: synchronize time with FM stations.
- **[Update from Network]**: synchronize time with Internet radio stations.
↳ If **[Update from Network]** is selected, repeat steps 3 to 4 to set time zone, and then repeat steps 5 to 6 to set daylight saving time.
- **[No update]**: deactivate time synchronization.
↳ If **[No update]** is selected, repeat steps 3 to 4 to set date and time.

8 Repeat steps 5 to 6 to select **[YES]** to keep network connected.

9 Repeat steps 3 to 4 to select the Wlan region.
↳ The radio begins to search for wireless networks automatically.
↳ A list of available Wi-Fi networks appears.

10 Repeat steps 3 to 4 to select your Wi-Fi network.

11 Press **▲/▼** to select an option to connect your wireless router:



- **[Push Button]**: select this option if your wireless router supports WPS and PBC setup method. You are prompted to press the connect button on your router and then press **OK** to continue.

- **[Pin]:** select this option if your wireless router supports WPS and PIN setup method. The radio generates an 8-digit code number that you can enter into the router.
- **[Skip WPS]:** select this option if your wireless router does not support WPS. You are prompted to enter the key for your Wi-Fi network.

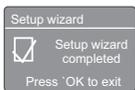
12 As instructed on the display panel, press WPS button or enter the pin on your wireless router; or enter the key to connect to your network (The options displayed depend on the type of your network and network protection used).

- When entering the key of the network, to select a character, press ▲ / ▼ / ◀ / ▶, then press **OK** to confirm.



- To cancel, press ▲ / ▼ / ◀ / ▶ to select **[CANCEL]**.
 - To confirm your entry, press ▲ / ▼ / ◀ / ▶ to select **[OK]**.
 - To delete the entry, press ▲ / ▼ / ◀ / ▶ to select **[BKSP]**.
 - To exit the process, press ⇨.
- ↳ If the network connection is established, **[Connected]** is displayed.

13 When **[Setup wizard completed]** appears, press **OK** to exit the setting.



Tip

- For some Wi-Fi routers, you may need to hold the WPS button for Wi-Fi connection. See the user manuals of the specific routers for details.
- To run the setup wizard again, select **[System settings]->[Setup wizard]** menu (see the Chapter "Use system settings menu").

Turn on

- Press ⏻.
↳ The radio switches to the last selected source.

Switch to standby mode

- Press ⏻ again.
↳ The display panel is dimmed.
↳ The time and date (if set) are displayed.

Note

- If the system is idle for 15 minutes, the radio switches to standby mode automatically.

4 Listen to Internet radio

The radio can play thousands of radio stations and podcasts from around the world through the Internet connection.

Use menu in Internet radio mode

Once the Internet connection is established, you will find a list of stations displayed in the station list. Then select one to start broadcasting.

Note

- Make sure that your home Wi-Fi network is enabled.
- For better Wi-Fi reception, rotate and adjust the position of the Wi-Fi antenna.

- 1 Press **SOURCE** repeatedly to select **[Internet radio]** mode.
 - ↳ The radio starts connecting to the previously connected network, and then tunes to your last listened Internet radio station.
 - ↳ If network connection has not been established before, the radio starts searching for wireless networks automatically (Refer to the section "Get started">"Perform initial setup" or "Use system settings menu">"Adjust network settings" to establish network connection).
- 2 Press **▲ MENU** to access the menu.
- 3 Press **▲ / ▼** to scroll through the menu options:



- **[Last listened]**: tune to your last listened radio stations.
- **[Station list]**: tune to any available Internet radio stations.
- **[System settings]**: adjust system settings (the same menu option for all working modes. See the Chapter "Use system settings menu" for details).
- **[Main menu]**: access main menu (the same menu option for all working modes. See the Chapter "Use main menu" for details).

- 4 To select an option, press **OK**.
- 5 Repeat steps 3 to 4 if any sub-option is available under one option.
 - To return to the previous menu, press **↶**.
 - To return to the top menu, press **▲**.

[Station list]

- **[My Favourites]**: tune to the Internet radio stations that you have added into the favorite station list (see "Listen to Internet radio">"Add Internet stations to station list").
- **[Local China]**: tune to any available Internet radio stations in China, such as pop music, classical music, business news, and so on.
- **[Stations]**:
 - **[Location:]** browse Internet radio stations by location.
 - **[Genre]**: browse Internet radio stations by genre.
 - **[Search stations]**: search for Internet radio stations. To search, press **▲ / ▼ / ◀ / ▶** to enter a keyword by selecting characters, then press **OK** to continue.
 - **[Popular stations]**: tune to the most popular stations on the internet.
 - **[New stations]**: tune to the latest stations broadcasting on the internet.
- **[Podcasts]**:
 - **[Location:]** browse podcasts by location.
 - **[Genre]**: browse podcasts by genre.
 - **[Search podcasts]**: search for any available podcasts.

- **[My Added Stations]:** tune to any stations that you have added into the station list (see "Listen to Internet radio">"Add Internet stations to station list").
- **[Help]:**
 - **[Get access code]:** know the access code.
 - **[FAQ]:** know why some stations do not work sometimes and why stations disappear from the list sometimes.

Note

- If no button is pressed within 15 seconds, the menu exits.
- Station lists and submenus may change from time to time and vary by locations.

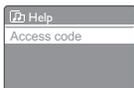
Add Internet stations to station list

The Frontier Silicon Internet Radio portal website allows you to organize your favorites lists and also listen to Internet radio on a computer. To use the "favorites" and "added stations" features of the Internet radio, you need to register your radio with the portal first.

Note

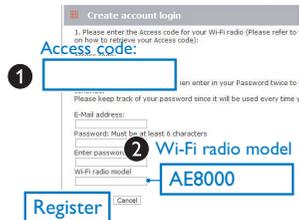
- Make sure that the radio is in Internet radio mode, and has been connected to your Wi-Fi network.

- From the menu list, select **[Station list]>[Help]>[Get access code]**.
↳ The access code for this radio is displayed.



- Write down the access code.
- Go to www.wifiradio-frontier.com.

- Register a new account with the access code.



- Browse or search for stations/podcasts, and then add them to your favourite station list.



- ↳ On AE8000, go to **[Station list]>[My Favourites]** to find your favourite stations.



- If you want to add a station that is not in the existing list, click **[My account]>[My added stations]** to add it by yourself.



- ↳ On AE8000, go to **[Station list]>[My Added Stations]** to find your newly added stations.



Tip

- At www.wifiradio-frontier.com, follow the instructions to synchronize your favourite stations with other Wi-Fi radio.
- The displayed access code is only valid for a few minutes. If you fail to register your radio within the time period, you need to repeat the above steps to get a new access code and try again.

Tip

- To remove a pre-stored station, store another station in its place.

Store Internet radio stations

Note

- You can store a maximum of 10 Internet radio stations.

Option A:

- 1 In Internet radio mode, tune to an Internet radio station.
- 2 Press and hold **PRESET** for two seconds.
↳ The preset station list is displayed.
- 3 Press **▲** / **▼** to select a preset number.
- 4 Press **OK** to confirm.
↳ **[Preset stored]** is displayed.
↳ The station is stored in the selected position.

Option B:

- 1 In Internet radio mode, tune to an Internet radio station.
- 2 Use the numeric keypad to store the radio station.
 - To preset number 1 - 5, press and hold the numeric keypad (1-5) for two seconds.
 - To preset number 6 - 10, press and hold 5+ for two seconds, then press the corresponding number key. (For example, if you want to preset 6, press and hold 5+ for two seconds, and then press 1.)↳ **[Preset stored]** is displayed.
↳ The station is stored in the selected position.

Select a preset Internet radio station

In Internet radio mode, you have two ways to select a preset radio station.

Option A:

- 1 Press **PRESET**.
- 2 Press **▲** / **▼** to select a number.
- 3 Press **OK** to confirm.

Option B:

- Press the numeric keypad to select a preset number.

Tip

- To select the preset number 6-10, press 5+ first, and then press the corresponding number key. (For example, if you want to select 6, press 5+, and then press 1.)

Show Internet radio information

While listening to Internet radio, press **INFO** repeatedly to scroll through the following information (if available):

- ↳ Artist and track name
- ↳ Station description
- ↳ Station genre and location
- ↳ Signal reliability
- ↳ Codec and sampling rate
- ↳ Playback buffer
- ↳ Date

5 Listen to DAB radio

About DAB

About Digital Audio Broadcasting (DAB)

DAB digital radio is a new way of broadcasting radio via a network of terrestrial transmitters. It provides listeners with more choice and information delivered in crystal clear, crackle-free sound quality.

–The technology allows the receiver to lock on to the strongest signal it can find.

–With DAB digital stations there are no frequencies to remember, and sets are tuned by station name, so there's no returning on the move.

What is a multiplex?

Digital radio operation is made up of a single block of frequencies called a multiplex. Each multiplex works within a frequency spectrum, such as Band III for DAB broadcasts.

DAB BROADCASTERS AND DLS

Each DAB broadcaster (or multiplex operator) also provides text and audio data services.

Some programmes are supported by Dynamic Label Segments (DLS). This is data which you can read as scrolling text on your DAB radio display. Some stations transmit the latest news, travel, and weather; what's on now and next, website addresses and phone numbers.

For more information on digital radio coverage and services, please visit: www.drdb.org.

Tune to DAB radio stations

The first time you select DAB radio mode, or if the station list is empty, the radio performs a full scan automatically.

- Press **SOURCE** repeatedly to select [**DAB radio**] mode.
 - ↳ [**Scanning**] is displayed.
 - ↳ The radio scans and stores all the DAB radio stations automatically, and then broadcasts the first available station.
 - ↳ The station list is memorized in the radio. Next time when you turn on the radio, the station scan does not take place.

To tune to a station from the available station list:

- In DAB mode, press ▲ / ▼ repeatedly to navigate through the available DAB stations.



Tip

- The stations may change from time to time. To update the station list, select the [**Scan**] menu to perform full scan.

Store DAB radio stations



Note

- You can store a maximum of 10 DAB radio stations.

Option A:

- 1** In DAB mode, tune to a DAB radio station.
- 2** Press and hold **PRESET** for two seconds.
 - ↳ The preset station list is displayed.
- 3** Press ▲ / ▼ to select a preset number.
- 4** Press **OK** to confirm.
 - ↳ [**Preset stored**] is displayed.
 - ↳ The station is stored in the selected position.

Option B:

- 1 In DAB mode, tune to a DAB radio station.
 - 2 Use the numeric keypad to store the radio station.
 - To preset number 1 - 5, press and hold the numeric keypad (1-5) for two seconds.
 - To preset number 6 - 10, press and hold 5+ for two seconds, then press the corresponding number key. (For example, if you want to preset 6, press and hold 5+ for two seconds, and then press 1.)
- ↳ **[Preset stored]** is displayed.
- ↳ The station is stored in the selected position.



Tip

- To remove a pre-stored station, store another station in its place.

Select a preset DAB radio station

In DAB mode, you have two ways to select a preset radio station.

Option A:

- 1 Press **PRESET**.
- 2 Press **▲** / **▼** to select a number.
- 3 Press **OK** to confirm.

Option B:

- Press the numeric keypad to select a preset number:

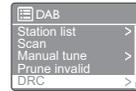


Tip

- To select the preset number 6-10, press 5+ first, and then press the corresponding number key. (For example, if you want to select 6, press 5+, and then press 1.)

Use menu in DAB mode

- 1 In DAB mode, press **▲ MENU** to access DAB menu.
- 2 Press **▲** / **▼** to scroll through the menu options:



- **[Station list]**: display all DAB radio stations. If no station is found, the radio starts to scan DAB stations and add them to the station list.
- **[Scan]**: scan and store all the available DAB radio stations.
- **[Manual tune]**: tune to a specific channel/frequency manually and add it to the station list.
- **[Prune invalid]**: remove all the invalid stations from the station list.
- **[DRC]**: compress the dynamic range of a radio signal, so that the volume of quiet sounds is increased, and the volume of loud sounds is reduced.
- **[Station order]**: enable you to define how the stations are arranged when scrolling the station list.
- **[System settings]**: adjust system settings (see the Chapter "Use system settings menu").
- **[Main menu]**: access main menu (see the Chapter "Use main menu").

- 3 To select an option, press **OK**.
- 4 Repeat steps 2 to 3 if any sub-option is available under one option.
 - To return to the previous menu, press **↵**.
 - To return to the top menu, press **▲**.

[Prune invalid]

- **[YES]**: remove all the invalid stations from the station list.
- **[No]**: return to the previous menu.

[DRC]

- **[DRC high]**: switch DRC on to a high level (the default option recommended for noisy environment).
- **[DRC low]**: switch DRC on to a low level.
- **[DRC off]**: switch DRC off.

[Station order]

- **[Alphanumeric]**: arrange the stations in alphabetical order (default setting).
- **[Ensemble]**: list groups of stations that are broadcast together on the same ensemble (i.e.: BBC or South Wales local).
- **[Valid]**: list valid stations first, then off-air stations.



Note

- If no button is pressed within 15 seconds, the menu exits.

Show DAB information

While listening to DAB radio, press **INFO** repeatedly to scroll through the following information (if available):

- ↳ Station name
- ↳ Dynamic Label Segment (DLS)
- ↳ Signal strength
- ↳ Program type (PTY)
- ↳ Ensemble Name
- ↳ Frequency
- ↳ Signal error rate
- ↳ Bit rate and audio status
- ↳ Codec
- ↳ Time and date

6 Listen to FM radio

Tune to FM radio stations

- 1 Press **SOURCE** repeatedly to select **[FM radio]** mode.
 - 2 Press and hold **▲ / ▼** for two seconds.
↳ The radio tunes to an FM radio station with strong reception automatically.
 - 3 Repeat step 2 to tune to more radio stations.
- To tune to a station manually:**
- In FM tuner mode, press **▲ / ▼** repeatedly to select a frequency.

Store FM radio stations

 Note

- You can store a maximum of 10 FM radio stations.

Option A:

- 1 In FM mode, tune to an FM radio station.
- 2 Press and hold **PRESET** for two seconds.
↳ The preset station list is displayed.
- 3 Press **▲ / ▼** to select a preset number.
- 4 Press **OK** to confirm.
↳ **[Preset stored]** is displayed.
↳ The station is stored in the selected position.

Option B:

- 1 In FM mode, tune to an FM radio station.
- 2 Use the numeric keypad to store the radio station.
 - To preset number 1 - 5, press and hold the numeric keypad (1-5) for two seconds.

- To preset number 6 - 10, press and hold 5+ for two seconds, then press the corresponding number key. (For example, if you want to preset 6, press 6, press and hold 5+ for two seconds, and then press 1.)
↳ **[Preset stored]** is displayed.
↳ The station is stored in the selected position.

Tip

- To remove a pre-stored station, store another station in its place.

Select a preset FM radio station

In FM mode, you have two ways to select a preset radio station.

Option A:

- 1 Press **PRESET**.
- 2 Press **▲ / ▼** to select a number.
- 3 Press **OK** to confirm.

Option B:

- Press the numeric keypad to select a preset number.

Tip

- To select the preset number 6-10, press 5+ first, and then press the corresponding number key. (For example, if you want to select 6, press 5+, and then press 1.)

Use menu in FM mode

- 1 In FM mode, press **▲ MENU** to access FM menu.
- 2 Press **▲ / ▼** to scroll through the menu options:



- **[Scan setting]**
 - **[Audio setting]**
 - **[System settings]**: adjust system settings (see the Chapter "Use system settings menu").
 - **[Main menu]**: access main menu (see the Chapter "Use main menu").
- 3 To select an option, press **OK**.
 - 4 Repeat steps 2 to 3 if any sub-option is available under one option.
 - To return to the previous menu, press **↶**.
 - To return to the top menu, press **▲**.

[Scan setting]

- **[Strong stations only?]-[YES]**: scan FM radio stations with strong signals only.
- **[Strong stations only?]-[NO]**: scan all the available FM radio stations.

[Audio setting]

- **[Listen in Mono only?]-[YES]**: select mono broadcast.
- **[Listen in Mono only?]-[NO]**: select stereo broadcast.



Note

- If no button is pressed within 15 seconds, the menu exits.

Show RDS information

RDS (Radio Data System) is a service that allows FM stations to show additional information.

If you listen to an FM station with RDS signal, an RDS icon and the station name are displayed.

- 1 Tune to an RDS station.
- 2 Press **INFO** repeatedly to scroll through the following information (if available):
 - ↳ Station name
 - ↳ Radio text messages
 - ↳ Program type
 - ↳ Frequency
 - ↳ Date

7 Use system settings menu

- 1 In working mode, press **▲** to access the menu.
- 2 Press **▲** / **▼** repeatedly to select **[System settings]**.
- 3 Press **OK** to confirm.
- 4 Repeat steps 2 to 3 to select an option.



- **[Network]**: enable you to establish network connection.
- **[Time/Date]**: set time and date.
- **[Language]**: select system language.
- **[Factory Reset]**: reset the radio to factory default status.
- **[Software update]**: check the software update information.
- **[Software Upgrade]**: update software if necessary.
- **[Setup wizard]**: instruct you to perform initial setup.
- **[Info]**: know software version.
- **[Backlight]**: adjust backlight settings.

Note

- If no button is pressed within 15 seconds, the menu exits.

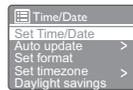
Adjust network settings

- 1 Select **[System settings]**>**[Network]**.
 - 2 Press **▲** / **▼** to select an option or sub-option, then press **OK** to confirm.
- **[Network wizard]**: instruct you to establish network connection.

- **[PBC Wlan setup]**: select this option if your wireless router supports WPS and PBC setup method.
- **[View settings]**: view the current network information.
- **[Wlan region]**: select Wlan region.
- **[Manual settings]**:
 - **[DHCP enable]**: allocate IP address automatically.
 - **[DHCP disable]**: allocate IP address manually.
- **[Network profile]**: display a list of the networks remembered by the radio.
- **[Keep network connected?]**: select whether to keep the network connected.

Set time/date

- 1 Select **[System settings]**>**[Time/Date]**.
- 2 Press **▲** / **▼** to select an option or sub-option, then press **OK** to confirm.



- **[Set Time/Date]**: set time and date.
- **[Auto update]**:
 - **[Update from DAB]**: synchronize time with DAB stations.
 - **[Update from FM]**: synchronize time with FM stations.
 - **[Update from Network]**: synchronize time with Internet radio stations.
 - **[No update]**: deactivate time synchronization.
- **[Set format]**: set 12/24 hour format.
- **[Set timezone]**: set timezone.
- **[Daylight savings]**: activate or deactivate daylight saving time.

Note

- If you are updating time from DAB or FM, the daylight savings option has no effect.
- If you are updating from the network, set your time zone..

Set system language

- 1 Select **[System settings]>[Language]**.
↳ A language list is displayed.
- 2 Press ▲ / ▼ to select a system language, then press **OK** to confirm.

Reset all the settings

- 1 Select **[System settings]>[Factory Reset]**.
- 2 Press ▲ / ▼ to select an option, then press **OK** to confirm.
 - **[Yes]**: Reset the radio to factory default status.
 - **[No]**: Return to the previous menu.

Check software update information

- 1 Select **[System settings]>[Software update]**.
- 2 Press ▲ / ▼ to select an option or sub-option, then press **OK** to confirm.
 - **[Auto-check setting]**: select whether to check new software versions periodically.
 - **[Check now]**: check new software versions immediately.

Note

- If the radio detects that new software is available, it asks if you want to go ahead with an update. If you agree, the new software is downloaded and installed.
- Before software upgrade, make sure that the radio is connected to a stable mains power connection. Disconnecting power during a software update may damage the product.

Upgrade the firmware (if available)

If you want to upgrade the software, contact WOOX Innovations for help. It is not recommended to upgrade by yourself.

Know the software version

- Select **[System settings]>[Info]**.
↳ The current software version is shown.

Adjust backlight settings

- 1 Select **[System settings]>[Backlight]**.
- 2 Press ▲ / ▼ to select an option or sub-option, then press **OK** to confirm.
 - **[Timeout]**: select a timeout period for display backlight.
 - **[Power-on Level]**: select a brightness level for the backlight.

8 Use main menu

- 1 In working mode, press **▲** to access the top menu.
- 2 Press **▲** / **▼** repeatedly to select **[Main menu]**.
- 3 Press **OK** to confirm.
- 4 Repeat steps 2 to 3 to select an option.
 - **[Internet radio]**: select Internet radio mode.
 - **[DAB]**: select DAB mode.
 - **[FM]**: select FM mode.
 - **[AUX in]**: select AUX IN mode.
 - **[Sleep]**: set sleep timer.
 - **[Alarms]**: set alarm timer.
 - **[System settings]**: adjust system settings (see the chapter "Use system settings menu").

Note

- If no button is pressed within 15 seconds, the menu exits.
- You can also press **SOURCE** to select a mode: Internet radio, DAB radio, FM radio, or AUX IN.

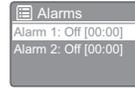
Set clock and alarm

Note

- You can set two alarms to ring at different time.
- To make the alarm work normally, make sure that the clock is set correctly.

- 1 Select **[Main menu]>[Alarms]**.
↳ If clock is not set, a message prompts you to set clock.
- 2 Press **OK** to continue.
↳ The day digit blinks.
- 3 Press **▲** / **▼** to set the day, then press **OK** to confirm.
↳ The month digit blinks.

- 4 Repeat step 3 to set the month, year, and time respectively.
↳ The **[Alarm 1:off [00:00]]** and **[Alarm 2:off [00:00]]** options are displayed.



- 5 Repeat step 3 to select **[Alarm 1:off [00:00]]>[Enable:]**[Off].
- 6 Repeat step 3 to activate or deactivate the alarm timer:
 - **[Off]**: deactivate the alarm timer.
 - **[Daily]**: the alarm sounds everyday.
 - **[Once]**: the alarm sounds only once.
 - **[Weekends]**: the alarm sounds on Saturdays and Sundays.
 - **[Weekdays]**: the alarm sounds each day from Monday to Friday.
- 7 Repeat step 3 to select **[time]**, and then set the alarm time.
- 8 Repeat step 3 to select **[mode]**, and then set the alarm source.
 - **[Buzzer]**: select buzzer as alarm source.
 - **[Internet radio]**: select your last listened Internet radio station as alarm source.
 - **[DAB]**: select your last listened DAB radio station as alarm source.
 - **[FM]**: select your last listened FM radio station as alarm source.
- 9 Repeat step 3 to select **[preset]**, and then select your last listened station or a preset radio station as your alarm source.
- 10 Repeat step 3 to select **[Volume:]**, and then set the alarm volume.
- 11 Repeat step 3 to select **[Save]**.
↳ Alarm 1 is set.
- 12 Repeat steps 5 to 11 to set Alarm 2.

Note

- When the alarm is activated, an alarm icon for Alarm 1 or Alarm 2 is displayed. To stop the alarm, press  on the radio.
- You can also go to [System settings]>[Time/Date] to set time and date (see "Use system settings menu">"Set time/date").

↳ When [Sleep OFF] is displayed, the sleep timer is deactivated.

Option B:

- 1 Select [Main menu]>[Sleep].
- 2 Press ▲ / ▼ repeatedly to select the sleep timer period (in minutes).
↳ When [Sleep OFF] is displayed, the sleep timer is deactivated.

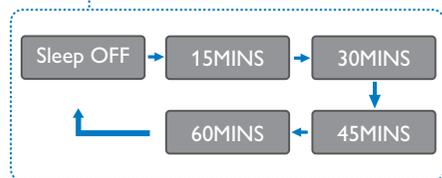
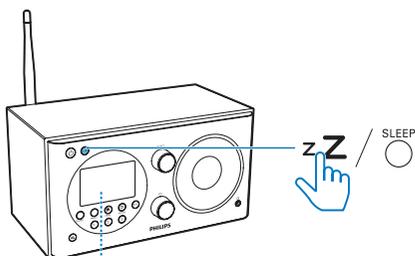
Snooze the alarm

- When alarm sounds, press **SNOOZE** to select a time period (in minutes).
↳ The alarm snoozes and repeats ringing after the preset time period.

Set sleep timer

You have two ways to set the sleep timer:

Option A:



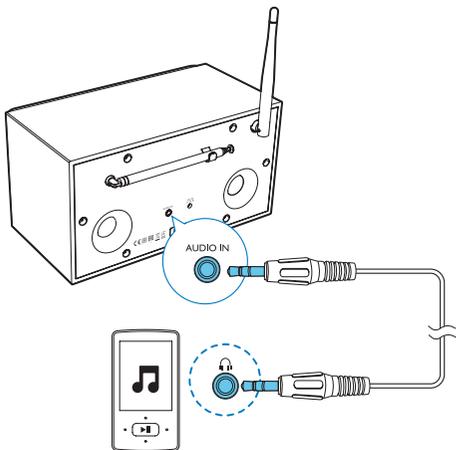
- When the radio is turned on, press **zZ** (on the radio) or **SLEEP** (on the remote control) repeatedly to select the sleep timer period (in minutes).
↳ The radio switches to standby mode automatically after the preset period.

9 Other features

Listen to an external device

With this radio, you can also listen to an external audio device such as an MP3 player:

- 1 Connect an audio input cable (not supplied) with a 3.5 mm connector on both ends to
 - the **AUDIO IN** socket on the back of this radio, and
 - the headphone socket on the external device.
- 2 Press **SOURCE** repeatedly to select the **[AUX in]** mode.
- 3 Play audio on the external device (refer to its user manual).



Adjust volume

- During play, press **+VOL -** repeatedly to adjust volume.

Listen through a headphone

- Plug a headphone into the  socket on the product.

Mute sound

- During play, press  to mute or resume sound.

10 Product information



Note

- Product information is subject to change without prior notice.

Specifications

Amplifier

Rated Output Power	5W (RMS)
Headphone Output	3 mW X 2, 32 ohm
Frequency Response	60 -20000 Hz, ± 3 dB
Signal to Noise Ratio	>65 dBA
Audio In	600 mV (RMS), 22 kohm

Wi-Fi

Wi - Fi protocol	802.11b/g/n
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Tuner

Tuning Range (FM)	87.5 - 108 MHz
Tuning Range (DAB)	174.928 - 239.2 MHz (Band III)
Sensitivity (FM)	< 22 dBf (Mono, 26 dB S/N Ratio)
Sensitivity (DAB)	-98 dBm

General information

AC Power (power adapter)	Brand name: PHILIPS;
	Model: AS190-075-AD180;
	Input: 100-240V~, 50/60 Hz, 0.7 A;
	Output: 7.5V \equiv 1.8 A;
Operation Power Consumption	<10 W
Standby Power Consumption (without Wi-Fi)	<1 W
Dimensions - Main Unit (W x H x D)	129 x 104 x 105 mm
Weight - Main Unit	0.6 kg

11 Troubleshooting



Warning

- Never remove the casing of this device.

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

If you encounter problems when using this device, check the following points before requesting service. If the problem remains unsolved, go to the Philips Web page (www.philips.com/support). When you contact Philips, make sure that the device is nearby and the model number and serial number are available.

No power

- Make sure that the AC power plug of the clock radio is connected properly.
- Make sure that there is power at the AC outlet.

No sound or poor sound.

- Adjust the volume.
- Check whether the radio is muted or the radio station is still buffering.
- Check whether a headphone is plugged.
- Fully extend and adjust the position of the radio antenna.
- Keep the radio away from other electronic devices to avoid radio interference.
- Check the Wi-Fi network connection. Rotate and adjust the position of the Wi-Fi antenna.

No response from the clock radio

- Disconnect and reconnect the AC power plug, then turn on the clock radio again.
- Check if the radio is in standby mode. If yes, turn on the radio.

Poor radio reception

- Keep the clock radio away from other electronic devices to avoid radio interference.
- Fully extend and adjust the position of the radio antenna.

- Check the Wi-Fi network connection. Rotate and adjust the position of the Wi-Fi antenna.

Insufficient Wi-Fi signal strength

- Check the distance between your router and the radio.
- Rotate and adjust the position of the Wi-Fi antenna.

Cannot connect to your Wi-Fi network

- Check if your wireless router is switched off.
- Check if your wireless router supports WPS. Use the correct setup method (PBC or PIN) to connect your WPS-supported router to the radio. If necessary, refer to the user manual of your wireless router for how to set up Wi-Fi connection.
- Configure the Wi-Fi settings again (see "Get started">"Perform initial setup" and "Use system settings menu">"Adjust network settings").

Some stations do not work sometimes

- Some stations can only support a limited number of listeners. If you try again after a few minutes, you will be able to listen to the stations.
- The station is not broadcasting. Try again later.

Some stations disappear from the station list

- When a station stops broadcasting on the Internet, it will be removed from the list. The radio will check constantly if the station is on the air. If it restarts broadcasting, it will be brought back to the station list.

Alarm does not work

- Set the clock/alarm correctly.

12 Notice

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

Compliance

CE 0890

Hereby, WOOX Innovations declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. You can find the Declaration of Conformity on www.philips.com/support.

Care of the environment

Disposal of your old product and battery



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



This symbol on a product means that the product is covered by European Directive 2012/19/EU.



This symbol means that the product contains batteries covered by European Directive 2013/56/EU which cannot be disposed of with normal household waste.

Inform yourself about the local separate collection system for electrical and electronic products and batteries. Follow local rules and never dispose of the product and batteries with normal household waste. Correct disposal of old products and batteries helps prevent negative consequences for the environment and human health.

Removing the disposable batteries

To remove the disposable batteries, see battery installation section.

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.

Trademark notice

Class II equipment symbol



This symbol indicates that the unit has a double insulation system.



Specifications are subject to change without notice.

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