

DAB Docking Entertainment System

DCB310

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User manual



PHILIPS



DAB Docking Entertainment System

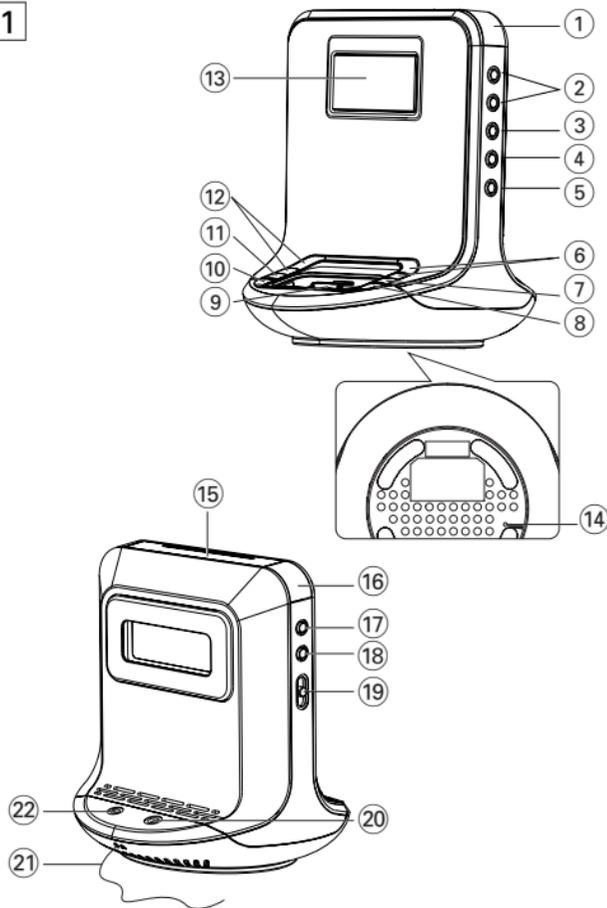
English

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Printed in China

PDCC-JH/ZYL-0826



Important notes for users in the U.K.

Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

1. In Remove fuse cover and fuse.
2. In Fix new fuse which should be a BS1362 3 Amp, A.S.T.A. or BSI approved type.
3. In Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place. If the mains plug contains a fuse, this should have a value of 3 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 3 Amp.

Note: The severed plug must be disposed of to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L). As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

- Connect the blue wire to the terminal marked N or coloured black.
- Connect the brown wire to the terminal marked L or coloured red.
- Do not connect either wire to the earth terminal in the plug, marked E (or e) or coloured green (or green and yellow).

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

Copyright in the U.K.

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

English

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.

SUPPLIED ACCESSORIES

- 1 X certified AC/DC 15V adapter
(Brand name: PHILIPS, Model: OH-1018A1501500U-UK,
Input: 100-240V ~ 50/60Hz 650mA, Output: 15V --- 1.5A)
- 4 X dock adapters for different iPod types
- 1 X AUX-IN cable

CONTROLS (See 1)

- ALM 2**
 - activates/confirm alarm 2 time setting
 - displays alarm 2 time
 - switches off alarm 2
- TUNING +/-**
 - FM: tunes to a radio frequency.
 - DAB: changes DAB stations, or navigates menu options.
 - iPod: navigates iPod menu.
- PROG**
 - FM/DAB: activates radio programming.
 - FM/DAB: press and hold to store a FM/DAB preset.
- INFO/RDS**
 - DAB: selects station information in seven types.
 - FM: selects RDS (**R**adio **D**ata **S**ystem) information.
 - DAB/FM: press and hold to turn on or off clock synchronizing.
- AUTO-SCAN**
 - DAB: in UK: press briefly to auto search and store all local DAB stations of small range.
outside UK: press and hold to auto search and store all DAB stations of wide (full) range.
 - FM: press briefly to tune to a radio station.
press and hold to program radio station.

- VOL+/-**
 - adjusts the sound level
- SLEEP**
 - activates the sleep function
 - deactivates the sleep function
- iPod / AUX**
 - selects iPod or AUX mode
- Dock connector (30 pins)**
 - connects iPod player
- FM / DAB**
 - selects FM or DAB radio mode
- ▶||**
 - starts/pauses playback in the iPod dock mode
 - iPod/DAB: confirms a menu selection.
 - DAB: confirms a DAB radio selection.
- PRESET +/- ◀◀ / ▶▶**
 - adjusts clock/alarm time
 - FM: selects a preset FM station.
 - DAB: selects a preset DAB station.
 - selects previous/next tracks in the iPod dock mode
 - fast searches forward/backward in the iPod dock mode
- DISPLAY**
 - shows clock/alarm times and status of the set
- RESET**
 - press if the set / display does not react to operation of any button
- REPEAT ALARM / BRIGHTNESS CONTROL**
 - switches off the alarm for a 9 minute period
 - changes the brightness of the display illumination
- ALM 1**
 - activates/confirm alarm 1 time setting
 - displays alarm 1 time
 - switches off alarm 1

17 POWER

- switches the system on or to standby mode
- stops active alarm for 24 hours
- deactivates the sleep function

18 MENU

- activates/confirm clock time/date setting
- iPod: enters iPod menu.
- DAB: enables access to advance setup options.

19 (Wake-up mode) iPod • FM • DAB • BUZZER

- selects alarm mode: iPod, FM, DAB or buzzer

20 AUX jack (3.5 mm)

- connects to external audio source

21 FM / DAB Pigtail – improves FM / DAB reception

22 POWER jack

- socket for AC/DC 15V adapter

POWER SUPPLY

Mains adapter

1 Connect the mains adapter to the set's **POWER** socket and to the power socket.

Helpful hints: To avoid damage to the set, use only the adapter supplied!

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

CAUTION

High voltage! Do not open. You run the risk of getting an electric shock. The machine does not contain any user-serviceable parts. Modification of the product could result in hazardous radiation of EMC or other unsafe operation.

SELF-POWERED BACK-UP

The self-powered back-up conveniently allows your preset stations, alarm and clock time settings to be stored for **up to 3 minutes** when there is a power interruption e.g. AC power failure. The complete clock radio and backlight illumination will be switched off.

If power supply returns after 3 minutes and the display shows:

- clock time blinking - indicates you need to re-adjust the clock time.

BASIC OPERATION

SWITCHING ON THE SYSTEM

- Press **POWER**.
→ The system will switch to the last selected source.
- Press once or more **FM / DAB** or **iPod / AUX**.
→ The system will switch to the selected source.

Switching the system to standby mode

- In any source mode, press **POWER**.

Illumination brightness

Press **REPEAT ALARM / BRIGHTNESS CONTROL** once or more.

- The brightness of the display can be adjusted:
Bright → **Low** → **Off** → **Bright**.

SETTING THE CLOCK AND DATE

1. In any mode, press and hold **MENU** until clock digits flashes.
2. Press **▶** to select 12 Hours/ 24 Hours mode.
3. Hold down or press **PRESET +/-** repeatedly to set and adjust the hours.
4. Press **MENU** to confirm.
→ The clock digits for the minutes flash.
5. Repeat the **steps 3 - 4** until you complete all the other settings for minutes, year, month and days.

DAB RADIO

SWITCHING ON DAB RADIO

For the first time when DAB mode is switched on, the system will perform an auto scan. Then all the available DAB stations will be stored on the set, and the radio will tune to the first available station.

1. Press **POWER** to power on the set.
2. Press once or more **FM / DAB** to select DAB.

→ "**Welcome to DAB**" is displayed briefly, then the radio auto tunes to a station.

CHANGING DAB STATIONS

1. In DAB mode, press **TUNING +/-** repeatedly until your desired station name is displayed.
→ The selected station name appears on the second line of the display.
2. Press **▶II** to confirm.
→ The radio will immediately tune to the selected station.

About station display symbols

You may see some symbols displayed before the station names as follows:

♥: The symbol indicates that the station is one of ten most-listened stations by you based on DAB radio's monitoring.

?: The symbol indicates that the station is not currently available, or not active.

>>: This symbol indicates that the station is a primary station with secondary service.

<<: This symbol indicates that the station is a secondary station.

SCANNING FOR DAB STATIONS

New stations and services will be regularly added in the DAB broadcast. To make new DAB stations and service available on your DAB radio, a search is needed.

DAB Scanning in UK:

- In DAB mode, press briefly **AUTO-SCAN** to perform a local search (small range) for DAB stations.
→ This scanning may take 10 seconds.

DAB Scanning outside UK:

- In DAB mode, press and hold **AUTO-SCAN** for more than 2 seconds to perform a search of full scan (wide range) for DAB stations.
→ This scanning will take longer than local search.

STORING DAB PRESETS

You can preset up to 30 DAB stations on the memory for easy access.

1. In DAB mode, press **TUNING +/-** repeatedly until your desired station name is displayed.
- To select desired DAB station, you may also perform manual tuning. (see **Manual Tune**)
2. Press briefly **PROG** to activate programming.
3. Press **PRESET +/-** to allocate a number (1-30) for the preset.
→ "**PRESET X saved**" is displayed briefly on the second line of the display. and the stored preset number will be displayed.
4. Press and hold **PROG** to confirm.

Helpful hints:

- If you have already saved a DAB station in that preset location, it will be overwritten by a new station.
- When you store DAB stations, these do not overwrite your FM presets.

SELECTING A PRESET DAB STATION

1. In DAB mode, press **PRESET +/-** to select a desired preset station.
2. Press **▶II** to confirm.

Helpful hints:

- If you have not yet stored a DAB station in one of the presets, "Empty preset" will be displayed. The display will revert to the previously selected station after a few seconds.

CHANGING THE DAB STATION INFORMATION

In DAB broadcasting, on the display, the first line shows a station name, and the second line shows the service information for the current station. Seven types of information are available.

- Press **INFO / RDS** repeatedly to cycle through the display information.

USING THE MENU CONTROL

The menu control lets you access the DAB radio setup options.

1. In DAB mode, press **MENU** to enter the menu options.
→ The first setup option "Manual tune" is displayed.
2. Press **TUNING +/-** to scroll up and down the menu options:
Manual tune -> Autoscan local -> Autoscan full -> DRC value -> Sw version
3. To select an option, press **▶II**.
4. Repeat steps **2-3** if sub-option is available under one option.

MANUAL TUNE

By using this feature, it is possible to manually tune to a specific channel/frequency. In addition to antenna orienting for better radio reception, the optimum reception can also be obtained by using this feature.

1. In DAB mode, press **MENU** to display "**Manual tune**" option.
2. Press **▶II** to make a selection.
→ Display shows a channel and its frequency.
3. Press **TUNING +/-** repeatedly until desired channel/frequency appears.
4. Press **▶II** to confirm the selection.
 - You may press **INFO / RDS** to change the service information on the display.
 - You may adjust the position of the antenna to obtain the optimum signal strength.

LOCAL SCAN AND FULL SCAN

Local scan is used to perform a small range of DAB radio search (in UK). Full scan is used to perform a wide range of DAB radio search (outside UK).

1. In DAB mode, press **MENU** to enter the menu options.

2. Press **TUNING +/-** repeatedly until "**Autoscan local**" or "**Autoscan full**" is displayed.
3. Press **▶II** to confirm the selection.
→ The local or full scan starts.

DYNAMIC RANGE CONTROL (DRC)

DRC adds or removes a degree of compensation for the differences in the dynamic range between radio stations. For example, a station broadcasting popular music may have a high level of compensation applied since the emphasis is on a constant high listening level, whereas a station broadcasting classical music will have little or no compensation as the listener requires all of the highs and lows in the music to define the detail.

There are three levels of compensation:

DRC 0: No compensation applied.

DRC 1: Maximum compensation applied (This is the default.)

DRC1/2: Medium compensation applied.

1. In DAB mode, press **MENU** to enter menu options.
2. Press **TUNING +/-** repeatedly until "**DRC value**" is displayed.
3. Press **▶II** to enter the sub-menu.
→ The current DRC level displays on the first line.
4. Press **TUNING +/-** to select a DRC value (DRC 0, DRC 1 and DRC1/2) displayed on the second line.
5. Press **▶II** to confirm the selection when the required value is displayed.
→ You should be able to hear the difference in compression immediately.

Helpful hints:

- The best way to determine which of these DRC value settings suits you best is to experiment with them on a variety of source material.

SOFTWARE VERSION

This is only provided as the version number for this product.

FM RADIO

TUNING TO RADIO STATIONS

1. Press **FM / DAB** once or more to select FM.
2. Press briefly **AUTO-SCAN**.
 - Display shows "Searching.." during automatic tuning.
 - After the system tunes to a station of sufficient reception, display shows its frequency.
3. Repeat step 2 if necessary until you find the desired station.
 - To tune to a weak station, press **TUNING +/-** briefly and repeatedly until an optimal reception is found.

To improve reception (FM):

Extend and position the **FM / DAB** pigtail antenna fully to obtain optimal reception.

PROGRAMMING RADIO STATIONS

You can store up to a total of 30 radio stations in the memory.

Automatic programming

Autostore automatically starts programming radio stations from preset 1. Any previous presets e.g. manually programmed will be erased.

- Press and hold **AUTO-SCAN** for more than two seconds to activate programming.
 - "FM Scanning..." is displayed during searching and storing.
 - All available stations are programmed.

Manual programming

1. Tune to your desired station (see **TUNING TO RADIO STATIONS**).
2. Press briefly **PROG** to activate programming.
3. Press **PRESET +/-** to allocate a number from 1 to 30 to this station.
4. Press and hold **PROG** to confirm the setting.
 - The preset number and the frequency of the preset station are shown.
5. Repeat the above four steps to store other stations.
 - You can override a preset station by storing another frequency in its place.

TUNING TO PRESET RADIO STATIONS

- Press **PRESET +/-** until the desired preset station is displayed.

RDS

The feature RDS (Radio Data System) is a service that allows FM stations to send additional information along with the regular FM radio signal. When you are receiving an RDS station, and the station name are displayed.

SWITCHING THROUGH RDS INFORMATION

1. Tune to the desired RDS radio station on the FM waveband (see **Tuning to radio stations**)
2. Press **INFO / RDS** on the remote control repeatedly to switch through the following information (if available):
 - Station name
 - Program type (for example: News, Sport, etc.)
 - Radio text messages
 - Frequency

Helpful hints:

- **NO RT, NO PTY** or **NO CT** is displayed if you press **INFO / RDS** and no RDS signal is available..

AUTOMATIC CLOCK SETTING VIA RDS

When the set is on, the clock can be automatically set by a time signal broadcast together with the RDS signal. This only works if the RDS station is sending this time signal.

To turn on or off clock synchronizing:

When clock synchronizing is turned on, clock is synchronized with the time set by DAB or RDS, and manually set clock is overwritten.

- In DAB or FM mode, press and hold **INFO / RDS** for around 2 seconds to turn it on or off.

Helpful hints:

- Some RDS radio station may be transmitting a real time clock at a minute interval. The accuracy of the transmitted time depends on the transmitting RDS radio station.

USING THE ALARM

GENERAL

Two different alarm times can be set. This can be useful when you need to be woken up at a different time e.g. during the week and at the weekend, and you can set different wake-up modes:

- tuner mode (FM or DAB).
- buzzer mode. The gentle wake buzzer alarm increases its beep tone frequency within seconds.
- iPod dock mode

SETTING THE ALARM TIME

Note: **ALM1 / ALM2** icon is displayed when ALARM 1 / ALARM 2 is activated.

1. In any mode, press and hold **ALM1** or **ALM2** for two seconds.
→ **ALM1 / ALM2** icon and the hour digits flash.
2. Hold down or press **PRESET +/-** repeatedly to set and adjust the hours.
3. Press **ALM1** or **ALM2** to confirm.
→ **ALM1 / ALM2** icon and the minutes digits flash.
4. Hold down or press **PRESET +/-** repeatedly to set and adjust the minutes.
5. Press **ALM1** or **ALM2** to confirm.

SETTING THE ALARM MODE

1. Press **POWER** to switch to standby mode.
2. Select your choice of alarm mode: either docked player (iPod), buzzer, or radio (FM or DAB) by using the **iPod • FM • DAB • BUZZER** slider.
- At the set alarm time, the docked player or radio (FM or DAB) or buzzer will switch on automatically.

Helpful hints:

- If you have selected FM or DAB alarm mode, make sure you have properly tuned to a station before turning off the set.
- If you have selected iPod alarm mode, make sure you have docked the compatible player, or the buzzer mode will be selected automatically.
- To check the alarm time setting for **ALM1** or **ALM2**, press **ALM1** or **ALM2**.

SWITCHING OFF THE ALARM

There are three ways of switching off the alarm. Unless you cancel the alarm completely, the **24-hour ALARM RESET** will be automatically selected after 59 minutes from the time your alarm first goes off.

24 HOUR ALARM RESET

If you want the alarm mode to be stopped immediately but also wish to retain the same alarm setting for the following day:

- Press **POWER** or **ALM1 / ALM2**.
→ **ALM1 / ALM2** icon is displayed.

REPEAT ALARM

This repeats your alarm call at 9 minute intervals.

- During the alarm call, press **REPEAT ALARM / BRIGHTNESS CONTROL**.
→ Display shows flashing **ALM1** or **ALM2** during a repeat alarm.
- Repeat if desired (up to a maximum of 6 times).

CANCELING THE ALARM COMPLETELY

- Press **ALM 1** or **ALM 2** button once or more until **ALM1** or **ALM2** disappears.

iPod

By connecting the iPod to your DCB310, you can listen to the sound of the docked player through the powerful speakers of the system.

COMPATIBLE PORTABLE PLAYER

- Apple iPod models with 30-pin dock connector as follows:
Nano 1st /2nd/3rd generation, iPod 5th generation (video), iPod touch and iPod classic.

DOCK ADAPTERS

Before plugging your player in the dock, snap the suitable dock adaptor into the dock to provide a snug fit for the player to be docked.

Selecting the correct dock adaptor

- 4 iPod dock adaptors are included. Each adaptor has indication to match different iPod types.

PLAYING iPod USING DCB310

1. Snap the compatible iPod into the dock connector.
2. Press once or more **iPod / AUX** to select iPod mode.
→ "iPod" is displayed.
- Make sure that you have powered on Apple iPod before selecting iPod source.
3. The connected player will play automatically.

CHARGING iPod BATTERY USING THE DOCK

Docking your iPod, you can charge the iPod in the standby mode and power-on mode of DCB310.

Notes:

- To navigate iPod menu and confirm its selection via DCB310, use **MENU**, **TUNING +/-** and **▶II**.
- By using the buttons (**▶II**, **◀◀**, **▶▶** and **VOLUME**) on the DCB310, the following disc playback features are available: Play/Pause, selecting next/previous track, fast forwarding/rewinding and changing volume.
- The buttons (**▶II**, **◀◀**, **▶▶** and **VOLUME**) on the DCB310 can work only with playback of the audio contents stored on the docked player.

SLEEP

This set has a built-in sleep timer, which enables the radio to be automatically switched off after a set period of time.

Setting and switching off SLEEP

1. In power on mode, set your timer by pressing **SLEEP** repeatedly until the desired timer option appears.
→ Selections are follows (time in minute):
1:20 → 90 → 60 → 30 → 15 → OFF → 1:20
2. The set will turn off automatically at the selected time.
3. To cancel sleep, press either:
 - **POWER**
 - **SLEEP** once or more until **SLEEP** disappears from the display.

RESETTING TO THE FACTORY

Should your set receive external interference e.g. static electricity from carpets, thunderstorms, etc. RESET allows you to clear all previous settings and start up again.

Resetting to the factory setting will delete all of the preset stations.

1. In standby mode, hold down **TUNING +** and **PRESET +** simultaneously.
2. To reset, press **▶II**.
- To reset, you may also press the **RESET** hole on the bottom of the set with a ball-pen.

CONNECTING AN EXTERNAL DEVICE

You can listen to the sound of the connected external device through your DCB310's speakers.

1. Press once or more **iPod / AUX** to select AUX mode.
2. Use the supplied AUX-IN cable to connect DCB310's **AUX** jack to an AUDIO OUT or headphone jack on an external equipment (such as CD player, or VCR).

MAINTENANCE & SAFETY

- Install the unit near the AC outlet and where the AC power plug can be easily reached.
- The apparatus shall not be exposed to dripping or splashing.
- Do not expose the set to humidity, rain, sand or excessive heat caused by heating equipment or direct sunlight.
- To clean your set, use a soft damp cloth or chamois leather. Do not use cleaning products, which contain benzene, thinner, etc. as these may harm the housing.
- Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

SPECIFICATIONS

Power consumption.....	24 W
Output power	2 x 6 W RMS
Set dimensions (w x h x d)	161 x 191 x 164 (mm)
Set weight	1.34 kg

TROUBLESHOOTING

If a fault occurs, first check the points listed below before taking the set for repair. If you are unable to remedy a problem by following these hints, consult your dealer or service centre.

WARNING: Under no circumstances should you try to repair the set yourself, as this will invalidate the guarantee. Do not open the set as there is a risk of electric shock!

No sound

- Volume not adjusted.
- Adjust the volume.

Display error / no reaction to any controls

- Electrical malfunction.
- Press the **RESET** hole on the bottom of the set with a ball-pen.

Intermittent crackling sound during FM reception

- Weak signal.
- Extend and position the FM/DAB pigtail antenna.

The alarm does not function

- Alarm time/ mode not set.
- See **SETTING THE ALARM TIME**.
- Volume too low for radio.
- Increase the volume.

The indication “No station available” is displayed.

- DAB coverage is currently not available in your area.
- Wait until the coverage resumes.
- DAB signal is weak.
- Re-locate the set, or adjust the position of FM/DAB pigtail antenna.

The indication “Station off air” is displayed.

- The station is currently out of service.
- Wait until the service resumes. Or, perform a scan by pressing **AUTO-SCAN** in DAB mode.

Poor reception

- Signal strength is weak.
- Re-locate the set, or adjust the position of the FM/DAB pigtail antenna. For DAB, you may also perform manual tuning. See **Manual tune**.

I cannot hear the DAB station I have selected.

- ►|| button was not pressed after changing a station by pressing **TUNING +/-**.
- Press ►|| button to confirm the selection.

Note:

In case of malfunction due to electrostatic discharge, just reset the product (Reconnection of power source may be required.) to resume normal operation.

