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AJB7038D



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User manual

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**PHILIPS**

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# 1 Important

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## Safety

- Heed all warnings.
- Follow all instructions.
- Do not use the device near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the device.
- Only use attachments/accessories specified by the manufacturer.
- Unplug the device during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the device 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 device, the device has been exposed to rain or moisture, does not operate normally, or has been dropped.
- The device shall not be exposed to dripping or splashing.
- Do not place any sources of danger on the device (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.



## Warning

- Never remove the casing of this device.
- Never lubricate any part of this device.
- Never place this device on other electrical equipment.
- Keep this device away from direct sunlight, naked flames or heat.
- To reduce the risk of fire or electric shock, do not expose this device to rain or moisture.
- Ensure that you always have easy access to the power cord, plug or adapter to disconnect this device from the power.

# 2 Your DAB Docking System

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](http://www.philips.com/welcome).

If you contact Philips, you will be asked for the model and serial number of this apparatus. The model number and serial number are on the bottom of the apparatus. Write the numbers here:

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

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## Introduction

With this device, you can:

- listen to FM/DAB radio;
- enjoy audio from iPod/iPhone or an external device;
- know the time;
- be waken up by buzzer alarm, DAB/FM radio, or audio in iPod/iPhone.

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## What's in the box

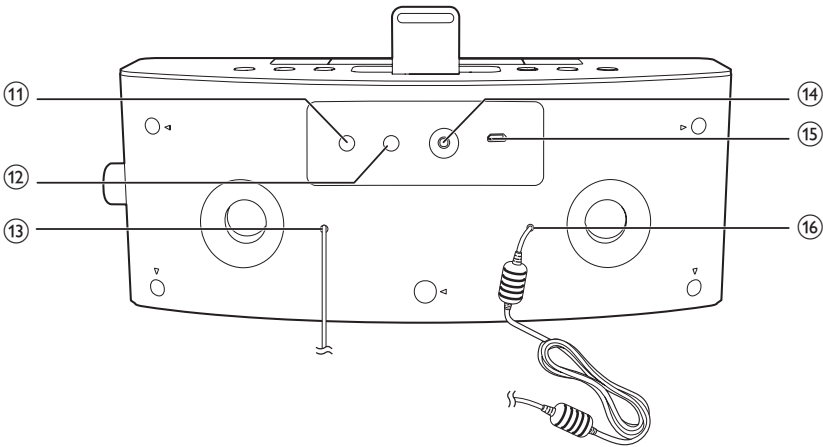
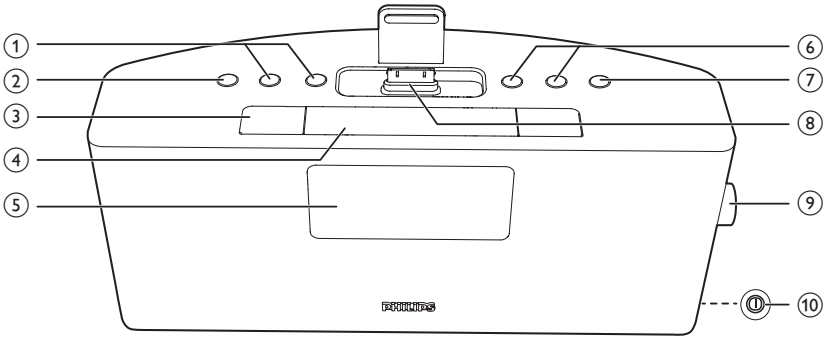
Check and identify the contents of your package:

- Main unit
- 2 x changeable plugs (EU & UK)
- User Manual

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## Overview of the main unit

Ⓐ



- ① **TUNING ◀/▶**
  - Tune to an FM/DAB radio station.
  - Set time.
- ② **SLEEP**
  - Set sleep timer.
- ③ **AL1/AL2**
  - Set alarm.
  - Activate/deactivate alarm timer.
- ④ **SNOOZE/BRIGHTNESS**
  - Snooze alarm.
  - Adjust display brightness.
- ⑤ **Display panel**
  - Show current status.
- ⑥ **PRESET +/-**
  - Select a preset radio station.
- ⑦ **SELECT**
  - Select an option.
- ⑧ **Dock for iPod/iPhone**
- ⑨ **VOL**
  - Adjust volume.
- ⑩ **SOURCE ①**
  - Switch the device to standby mode.
  - Select a source: iPod/iPhone, DAB/FM tuner, or MP3 link.
- ⑪ **INFO/MENU**
  - Display DAB or RDS information, and enter into DAB/FM menu.

- ⑫ **PROG/AUTOSCAN**
  - Program radio stations.
- ⑬ **FM ANTENNA**
  - Improve FM reception.
- ⑭ **MP3 LINK**
  - Connect an external audio device.
- ⑮ **FOR SOFTWARE UPGRADE ONLY**
  - Socket for software upgrade.
- ⑯ **Power cord**

## 3 Get started

### ! Caution

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

Always follow the instructions in this chapter in sequence.

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### Prepare FM/DAB antenna

For better reception, fully extend and adjust the position of the FM/DAB antenna.

### ≡ Note

- To prevent interference, position the antenna as far as possible from TV, VCR, or other radiation source.

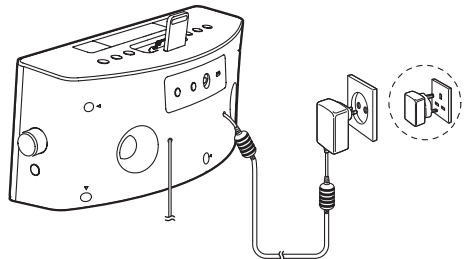
---

### Connect power

### ! Caution

- Risk of product damage! Ensure that the power voltage corresponds to the voltage printed on the back or underside of the unit.
- Risk of electric shock! When you unplug the power adapter, always pull the plug from the socket. Never pull the cord.
- Before connecting the power adapter, ensure that you have completed all other connections.
- Use the supplied power adapter only.

Insert the power plug into the wall outlet. ⑮



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## Turn on

Press **Ⓞ** to turn on your device.

- ↳ The device switches to the last selected source.

---

## Switch to standby mode

Press and hold **Ⓞ** for 3 seconds to switch the device to standby mode.

- ↳ The clock (if set) appears on the display panel.

---

## Set time



### Note

- You only can set time in DAB or FM mode.

- 1 Press **SOURCE** repeatedly to select DAB/FM mode.
- 2 Press and hold **INFO/MENU** to access the DAB/FM menu.
- 3 Press **◀/▶** repeatedly to select **[System]** (system), and press **SELECT** to confirm.  
↳ **[Time]** (time) is displayed.
- 4 Press **SELECT** again to enter time setting mode.
  - **[Set time/Date]** (set time/date)
  - **[Auto update]** (auto update)
  - **[Set 12/24 hour]** (set 12/24 hour)
  - **[Set date format]** (set date format)
- 5 Press **◀/▶** repeatedly to select an item, and then press **SELECT** to confirm.
- 6 Press **INFO/MENU** to return to DAB/FM home menu.

# 4 Play from iPod/iPhone

You can enjoy audio from iPod/iPhone through this device.

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## Compatible iPod/iPhone

The device supports the following models:

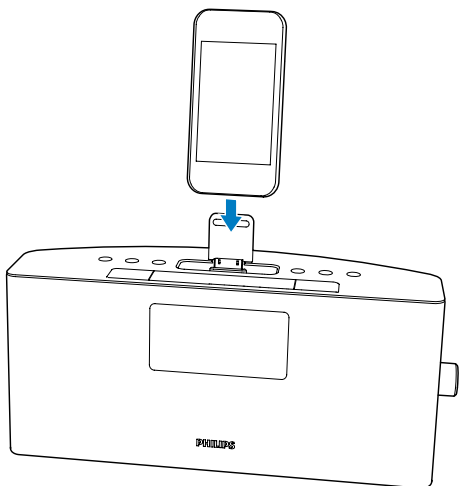
Made for:

- iPod classic
- iPod touch (1st, 2nd, 3rd, and 4th generation)
- iPod nano (1st, 2nd, 3rd, 4th, 5th, and 6th generation)
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

---

## Listen to audio from iPod/iPhone

- 1 Press **SOURCE** repeatedly to select iPod mode.
- 2 Insert the iPod/iPhone into the dock. ©



- 3 Start to play audio from the iPod/iPhone.  
↳ The music streams from this device automatically.

---

## Charge the iPod/iPhone

When the device is connected to power, the docked iPod/iPhone begins to charge automatically.

---

## Adjust volume

During play, you can rotate the knob to adjust volume.



Tip

- You can also adjust the volume through your iPod/iPhone.

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## Remove the iPod/iPhone

Pull the iPod/iPhone out of the dock.

# 5 Listen to DAB radio

Digital Audio Broadcasting (DAB) is a way of broadcasting radio digitally through a network of transmitters. It provides you with more choice, better sound quality, and more information.

---

## Tune to DAB radio stations

### Note

- Make sure that the antenna is fully extended.

- 1 Press **SOURCE** repeatedly to select DAB mode.  
↳ **[Full SCAN]** (full scan) is displayed.
- 2 Press **SELECT** to start full scan.  
↳ The unit stores all the DAB radio stations automatically and then broadcasts the first available station.  
↳ The station list is memorized in the unit. Next time when you turn on the unit, the station scan does not take place.  
↳ If no DAB station is found, **[No DAB Station]** (no DAB station) appears, then **[FULL SCAN]** (full scan) is displayed.

To tune to a station from the available station list:

- 1 In DAB mode, press ◀/▶ to navigate through the available DAB stations.
- 2 Press **SELECT** to confirm.



---

## Scan DAB radio stations automatically

### Note

- New stations and services will be added in the DAB broadcast. To make new DAB stations and services available, perform full scan regularly.

- 1 In DAB mode, press and hold **INFO/MENU** to access the DAB menu.
- 2 Press **◀/▶** repeatedly to display **[Full scan]** (full scan).
- 3 Press **SELECT** to confirm.
  - ↳ The unit scans all DAB radio stations and broadcasts the first available station.
  - ↳ If no DAB station is available, **[No DAB Station]** (no DAB station) is displayed.

---

## Store DAB radio stations manually

### Note

- You can store up to 20 DAB radio stations.

- 1 Tune to a DAB radio station.
- 2 Press **PROG/AUTOSCAN** to activate the storing mode.
- 3 Press **PRESET +/-** to select a preset number.
- 4 Press **SELECT** to confirm.
- 5 Repeat steps 1 to 4 to store more DAB stations.

### Note

- To overwrite a preset station, store another station in its place.

---

## Select a preset DAB radio station

In DAB mode, press **PRESET +/-** repeatedly to select a preset DAB radio station.

---

## Display DAB information

- 1 Tune to a DAB radio station.
- 2 Press **INFO/MENU** repeatedly to scroll through the following information (if available):
  - ↳ Dynamic Label Segment (DLS)
  - ↳ Signal strength
  - ↳ Program Type (PTY)
  - ↳ Ensemble name
  - ↳ Channel and frequency
  - ↳ Signal error rate
  - ↳ Bit rate and audio status

---

## Use DAB menu

- 1 In DAB mode, press and hold **INFO/MENU** to access the DAB menu.
  - 2 Press **◀/▶** repeatedly to display the menu options:
    - **[Full scan]** (full scan): scan all available DAB radio stations.
    - **[Manual tune]** (manual tune): tune to a specific channel/frequency manually and add it to the station list.
    - **[DRC]** (DRC)
    - **[Prune]** (prune): remove unavailable stations from the station list.
    - **[System]** (system): adjust system settings.
  - 3 To select an option, press **SELECT**.
  - 4 Repeat steps 2-3 if sub-option is available under one option.
- [DRC]** (DRC)

Dynamic range compression (DRC) adds or removes a degree of compensation for the differences in the dynamic range between radio stations.

- **[DRC high]** (DRC high): set DRC in high level.
- **[DRC low]** (DRC low): set DRC in low level.
- **[DRC off]** (DRC off): turn off DRC.

#### Note

- DRC only works if it is enabled by the broadcaster for a specific station.

#### **[System]** (system)

- **[Time]** (time): set time and date. (Refer to the part of "Set time".)
- **[Backlight]** (backlight): select on level for the backlight.
- **[Factory Reset]** (factory reset): reset all settings to factory default.
- **[Software Upgrade]** (software upgrade): upgrade software through USB socket if available.
- **[SW version]** (software version): know the software version of this digital radio.

#### Note

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

## 6 Listen to FM radio

### Tune to FM radio stations

- 1 Press **SOURCE** repeatedly to select FM mode.
- 2 Press **◀/▶** repeatedly to tune to a radio station.

### Scan FM radio stations automatically

In FM mode, press and hold **PROG/AUTOSCAN** for 3 seconds.

- ↳ All available stations are programmed.
- ↳ The first programmed radio station is broadcast automatically.

### Store FM radio stations manually

#### Note

- You can store up to 20 FM radio stations.

- 1 Tune to an FM radio station.
- 2 Press **PROG/AUTOSCAN** to activate storing mode.
- 3 Press **PRESET +/-** repeatedly to select a preset number.
- 4 Press **SELECT** to confirm.
- 5 Repeat steps 1-4 to store more FM stations.

#### Tip

- To overwrite a preset station, store another station in its place.

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## Select a preset FM radio station

In FM mode, press **PRESET +/-** repeatedly to select a preset FM radio station.

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## Display RDS information

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

If you listen to an FM station with RDS signal, the station name is displayed.

- 1 Tune to an RDS station.
- 2 Press **INFO/MENU** repeatedly to scroll through the following information (if available):
  - ↳ Radio text
  - ↳ Program type such as **[NEWS]** (news), **[SPORT]** (sport), **[POP M]** (pop music)...
  - ↳ Station name
  - ↳ Mono/stereo

**[Audio setting]** (audio setting)

- **[Stereo allowed]** (stereo allowed): select stereo broadcast.
- **[Forced mono]** (forced mono): select mono broadcast.

**[System]** (system)

- **[Time]** (time): Set time and date.
  - **[Set Time/Date]** (set time/date)
  - **[Auto update]** (auto update)
  - **[Set 12/24 hour]** (Set 12/24 hour)
  - **[Set date format]** (Set 12/24 hour)
- **[Backlight]** (backlight): set on level for the backlight.
- **[Factory Reset]** (factory reset): reset all settings to factory default.
- **[Software Upgrade]** (software upgrade): upgrade software through USB socket if available.
- **[SW version]** (software version): display the current software version.



### Note

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

---

## Use FM menu

- 1 In FM mode, press and hold **INFO/MENU** to access FM menu.
- 2 Press **◀/▶** repeatedly to scroll the menu options:
  - **[Scan setting]** (scan setting)
  - **[Audio setting]** (audio setting)
  - **[System]** (system)
- 3 To select an option, press **SELECT**.
- 4 Repeat steps 2-3 if sub-option is available under one option.

**[Scan setting]** (scan setting)

- **[All stations]** (all stations): scan all FM radio stations.
- **[Strong stations only]** (strong stations only): scan stations with strong signals only.

# 7 Other features

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## Set alarm timer

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### Set alarm

#### Note

- Make sure that you have set the clock correctly.
- You cannot set alarm in standby mode.

You can set two alarms.

- 1 Press and hold **AL1/AL2** for 3 seconds to activate alarm setting mode.
- 2 Press **SELECT** to confirm.  
↳ The hour digits and alarm icon begin to blink.
- 3 Press **◀/▶** repeatedly to set the hour.
- 4 Press **SELECT** to confirm.

Repeat steps 3-4 to set the minute, select an alarm source, and volume.

- ↳ When alarm time comes, the selected buzzer, DAB radio, FM radio, or iPod/iPhone turns on.



#### Tip

- If iPod/iPhone is selected, but no iPod/iPhone is connected, the device switches to buzzer source instead.

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### Activate/deactivate alarm timer

Press **AL1/AL2** repeatedly to activate or deactivate the alarm timer.

- ↳  or  is displayed if alarm timer is on and disappears if it is off.
- To stop the ringing alarm, press the corresponding **AL1/AL2**.

---

### Snooze alarm

When alarm sounds, press **SNOOZE** repeatedly to choose the snooze time.

- 5 minutes
  - 10 minutes
  - 15 minutes
- ↳ The alarm snoozes and repeats ringing 5/10/15 minutes later if set.

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### Set sleep timer

This device can switch to standby mode automatically after a preset period.

Press **SLEEP** repeatedly to select the sleep timer period (in minutes).

- ↳ When the sleep timer is activated, **zZ** is displayed.

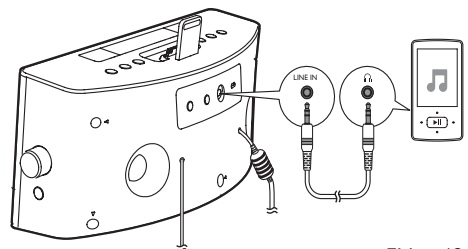
To deactivate the sleep timer, press **SLEEP** repeatedly until **[Sleep off]** (sleep off) is displayed.

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### Play from an external device

You can also listen to an external audio device through this device.

- 1 Press **SOURCE** to select the MP3 Link mode.
- 2 Connect the MP3 link cable (not supplied) to:
  - the **MP3-LINK** socket (3.5mm) at the back of the device.
  - the headphone socket of an external device.
- 3 Start to play the device (see the user manual of the device).



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## Adjust display brightness

Press **BRIGHTNESS** repeatedly to select different brightness levels.

# 8 Product information



### Note

- Product information is subject to change without prior notice.

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## Specifications

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### Amplifier

Rated Output Power	2 × 5 W RMS
Frequency Response	20-20000 Hz
Signal to Noise Ratio	>70 dB
Total Harmonic Distortion	<1%
Aux Input (MP3 link)	0.6V RMS 20 kohm

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### Tuner (FM)

Tuning range	87.5-108 MHz
Tuning grid	50 KHz
Sensitivity	
- Mono, 26dB S/N Ratio	<22 dBf
- Stereo, 46dB S/N Ratio	<43 dBf
Search Selectivity	>28 dBf

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### Tuner (DAB)

DAB tuning range	174.92-239.20 MHz
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### Speakers

Speaker Impedance	4 ohm
Sensitivity	>82 dB/m/W

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## General information

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Switching power supply adapter	Brand name: Philips Model: YJ5020F-1001800D Input: 100-240 V~, 50/60 Hz; 500 mA Output: 10 V $\equiv$ 1.8 A
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Operation Power Consumption	15 W
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Standby Power Consumption	<1 W
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Dimensions - Main Unit (W x H x D)	283 x 115 x 112 mm
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Weight - With Packing - Main Unit	2.20 kg 1.53 kg
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# 9 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](http://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

- Ensure that the AC power plug of the unit is connected properly.
- Ensure that there is power at the AC outlet.

### No sound

- Adjust the volume.

### No response from the unit

- Disconnect and reconnect the AC power plug, then turn on the unit again.

### Poor radio reception

- Increase the distance between the unit and your TV or VCR.
- Fully extend the FM antenna.

### Alarm does not work

- Set the clock/alarm correctly.

### Clock/alarm setting erased

- Power has been interrupted or the power plug has been disconnected.
- Reset the clock/alarm.

# 10 Notice



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

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



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 that 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. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

## 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.

Made for



"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

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## Note

- The type plate is located on the bottom of the apparatus.



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