


**DENON**


**DSD-300**  
PORTABLE SPEAKER DOCK

**Owner's Manual**

## SAFETY PRECAUTIONS



**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.**

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING:**  
**TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

## 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 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.
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. Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.



### CAUTION:

To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet. The mains plug is used to completely interrupt the power supply to the unit and must be within easy access by the user.

### Rechargeable battery precautions

- Do not toss the rechargeable battery into a fire, and do not heat up the battery. Doing so could cause battery heat generation, battery fires, and battery rupture.
- Do not subject the rechargeable battery to strong impact forces, such as stabbing it with sharp objects (a nail, etc.), tapping it with a hammer, or stepping on it. Doing so could cause battery heat generation, battery fires, and battery rupture.
- Do not place foreign objects inside the Portable Speaker Dock. Doing so could cause fires and electrical shocks.
- Do not charge, use, or place the Portable Speaker Dock in high-temperature locations such as near heaters and stove burners, in areas exposed to direct sunlight, or inside a car on a hot day. Doing so could cause battery heat generation, battery fires, and battery rupture. Such actions could also affect the performance and shorten the life of the internal rechargeable battery.
- Stop using the Portable Speaker Dock immediately, and contact the sales outlet or DENON in the event that abnormal odors or heat generation occurs while using, charging, or storing the Portable Speaker Dock, or if other abnormalities such as discoloration, etc., are detected.
- Always observe the following precautions:
  - Do not place the Portable Speaker Dock in a microwave oven or in a high-pressure container.
  - Do not place the Portable Speaker Dock on top of an electromagnetic cooker.
  - Do not attempt to recharge the internal rechargeable battery by connecting it to a power outlet or a car's cigarette lighter socket.
  - Strictly observe the recharging procedure and conditions specified by DENON.
- If fluid should leak from the rechargeable battery and get into the eyes, do not rub the eyes. Instead, rinse the eyes thoroughly with tap water, etc., and see a doctor without delay for treatment. Leaving the eyes untreated could cause vision impairment.
- Do not use the Portable Speaker Dock near medical devices, automatic doors, or fire alarms, etc. Signals from the Portable Speaker Dock could interfere with the operation of those devices, possibly causing malfunctions and accidents.
- If recharging fails to complete even though the prescribed recharging time period has elapsed, stop the recharging operation. Continuing to recharge the battery could cause battery heat generation, battery fires, and battery rupture.

## FCC Information (For US customers)

### 1. COMPLIANCE INFORMATION

**Product Name: Portable Speaker Dock**

**Model Number: DSD-300**

**This product contains FCC ID: PPO-DSD300.**

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation.

Denon Electronics (USA), LLC  
(a D&M Holdings Company)  
100 Corporate Drive  
Mahwah, NJ 07430-2041  
Tel. (800) 497-8921

### 2. IMPORTANT NOTICE: DO NOT MODIFY THIS PRODUCT

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modification not expressly approved by DENON may void your authority, granted by the FCC, to use the product.

### 3. CAUTION

- To comply with FCC RF exposure compliance requirement, separation distance of at least 20 cm must be maintained between this product and all persons.
- This product and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

### 4. NOTE

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This product 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 product does cause harmful interference to radio or television reception, which can be determined by turning the product 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 receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the local retailer authorized to distribute this type of product or an experienced radio/TV technician for help.

## CAUTION:

This product has a built-in battery, so you can also use it outdoors.

This unit has a water-proof structure that can withstand a small amount of rain. However, be careful not to get water directly on this unit.

In case water gets on this unit, immediately turn the power off and wipe the water off the surface.

## IC Information (For Canadian customers)

### 1. PRODUCT

**This product contains IC 4491A-DSD300.**

This product complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) this product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation. This Class B digital apparatus complies with Canadian ICES-003.

### 2. CAUTION

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

### For Canadian customers:

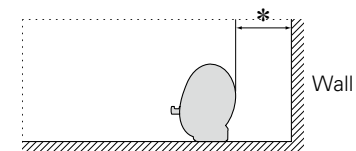
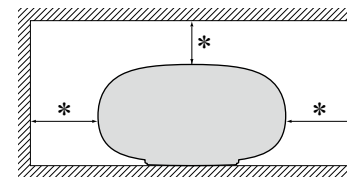
This Class B digital apparatus complies with Canadian ICES-003.

## NOTES ON USE

## WARNINGS

- Avoid high temperatures.  
Allow for sufficient heat dispersion when installed in a rack.
- Handle the power cord carefully.  
Hold the plug when unplugging the cord.
- Keep the unit free from moisture, water, and dust.
- Unplug the power cord when not using the unit for long periods of time.
- Do not obstruct the ventilation holes.
- Do not let foreign objects into the unit.
- Do not let insecticides, benzene, and thinner come in contact with the unit.
- Never disassemble or modify the unit in any way.
- Ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths or curtains.
- Naked flame sources such as lighted candles should not be placed on the unit.
- Observe and follow local regulations regarding battery disposal.
- Do not expose the unit to dripping or splashing fluids.
- Do not place objects filled with liquids, such as vases, on the unit.
- Do not handle the mains cord with wet hands.
- When the switch is in the OFF (STANDBY) position, the equipment is not completely switched off from MAINS.
- The equipment shall be installed near the power supply so that the power supply is easily accessible.
- Do not keep the battery in a place exposed to direct sunlight or in places with extremely high temperatures, such as near a heater.

## CAUTIONS ON INSTALLATION



\* For proper heat dispersal, do not install this unit in a confined space, such as a bookcase or similar enclosure.

- More than 12 in. (0.3 m) is recommended.
- Do not place any other equipment on this unit.

# Getting started

Thank you for purchasing this DENON product. To ensure proper operation, please read this owner's manual carefully before using the product. After reading them, be sure to keep them for future reference.

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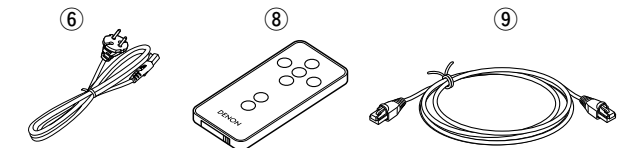
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## Accessories

Check that the following parts are supplied with the product.

① Quick Setup Guide .....	1
② CD-ROM (Owner's manual) .....	1
③ Safety Instructions .....	1
④ Warranty (for North America model only) .....	1
⑤ Service network list .....	1
⑥ Power cord .....	1
⑦ AC adaptor .....	1
⑧ Remote control unit (With battery) .....	1
⑨ Ethernet cable (CAT-5) .....	1



## Features

### Equipped with a lithium-ion battery

This unit is equipped with a rechargeable lithium-ion battery, allowing you to enjoy high-quality sound anywhere without a power outlet.

### Equipped with a Dock that supports iPhone® and iPod touch® (👉 [page 6](#))

This unit employs a slide type Dock that comes out when you push its front. By storing the Dock within this unit when you do not use it, this unit becomes compact.

You can charge iPhone or iPod touch at the same time while playing back music.

### Compatible with the AirPlay® function (👉 [page 15](#))

You can enjoy comfortable streaming playback of music from iPhone, iPod touch and iPad.

Received song and artist names appear on the display.

### Compatible with “Cocoon App” for performing basic operations of the unit with an iPhone and iPod touch (👉 [page 3](#))

### Equipped with Wi-Fi capabilities including Wi-Fi Protected Setup (WPS) (👉 [page 9](#))

### Compatible with the Internet radio (👉 [page 17](#)) Also equipped with the Music Server function that plays back audio content on the network (👉 [page 18](#))

In addition to music files stored on PC and music servers on the network, you can enjoy various audio sources on the Internet such as the Internet radio.

### Equipped with an organic EL display with great visibility

High contrast with low power can be achieved. Song and artist names are clearly displayed.

## Cautions on handling

#### • Before turning the power on

Check once again that all connections are correct and that there are no problems with the connection cables.

- Power is supplied to some of the circuitry even when the unit is set to the standby mode. When going on vacation or leaving home for long periods of time, be sure to unplug the power cord from the power outlet.

#### • About condensation

If there is a major difference in temperature between the inside of the unit and the surroundings, condensation (dew) may form on the operating parts inside the unit, causing the unit not to operate properly.

If this happens, let the unit sit for an hour or two with the power turned off and wait until there is little difference in temperature before using the unit.

#### • Cautions on using mobile phones

Using a mobile phone near this unit may result in noise. If that occurs, move the mobile phone away from this unit when it is in use.

#### • Moving the unit

Turn off the power and unplug the power cord from the power outlet. Next, disconnect the connection cables to other system units before moving the unit.

#### • About care

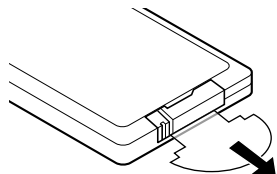
- Wipe the cabinet and control panel clean with a soft cloth.
- Follow the instructions when using a chemical cleaner.
- Benzene, paint thinner or other organic solvents as well as insecticide may cause material changes and discoloration if brought into contact with the unit, and should therefore not be used.

# Remote operation

## About the remote control unit

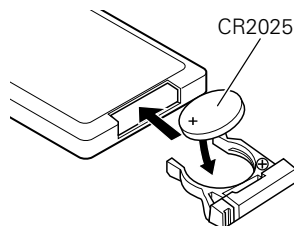
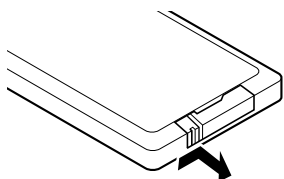
### Before using

Remove the insulating sheet before using the remote control unit.



### Inserting the batteries

- 1 Remove the rear lid in the direction of the arrow and remove it.
- 2 Load the two batteries properly as indicated by the marks in the battery compartment.



- 3 Put the rear cover back on.

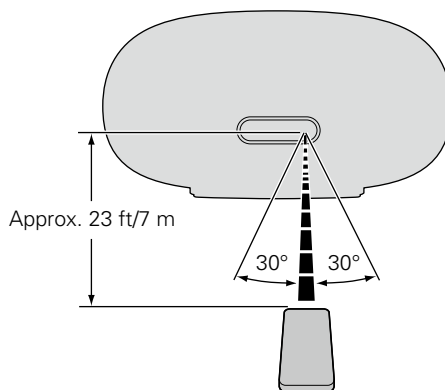
### NOTE

- Insert the specified batteries in the remote control unit.
- Replace the batteries with new ones if the set does not operate even when the remote control unit is operated close to the unit. (The supplied batteries are only for verifying operation. Replace them with new batteries at an early date.)
- When inserting the batteries, be sure to do so in the proper direction, following the ⊕ and ⊖ marks in the battery compartment.
- To prevent damage or leakage of battery fluid:
  - Do not use a new battery together with an old one.
  - Do not use two different types of batteries.
  - Do not attempt to charge dry batteries.
  - Do not short-circuit, disassemble, heat or dispose of batteries in flames.
- Do not keep the battery in a place exposed to direct sunlight or in places with extremely high temperatures, such as near a heater.

- If the battery fluid should leak, carefully wipe the fluid off the inside of the battery compartment and insert new batteries.
- Remove the batteries from the remote control unit if it will not be in use for long periods.
- Used batteries should be disposed of in accordance with the local regulations regarding battery disposal.
- The remote control unit may function improperly if rechargeable batteries are used.

### Operating range of the remote control unit

Point the remote control unit at the remote sensor when operating it.



### NOTE

- The set may function improperly or the remote control unit may not operate if the remote control sensor is exposed to direct sunlight, strong artificial light from an inverter type fluorescent lamp or infrared light.
- When using 3D video devices that transmit radio communication signals (such as infrared signals etc.) between the various units (such as the monitor, 3D glasses, 3D transmitter unit etc.), the remote control unit may not operate due to interference from those radio communication signals. If this occurs, adjust the direction and distance of the 3D communication for each unit, and check that the remote control unit operation is not affected by these signals.

## Cocoon App



Cocoon App is DENON's proprietary application developed for iPhone and iPod touch.

With Cocoon App, you can use iPhone and iPod touch to:

- Operate this unit
- Manually make the wireless LAN settings on this unit ([page 9](#))
- Change preset Internet radio stations ([page 17](#))



- Bidirectional communication is performed.
- The Cocoon App can be downloaded for free from the App Store.

# Preparations

Here, we explain the connections methods for this unit.

## ● Connections [page 5](#)



AC IN

 [page 5](#)



PORTABLE  
PLAYER

 [page 5](#)



iPod

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## ● Connecting to a home network (LAN) [page 7](#)



WIRELESS

 [page 9](#)



WIRED

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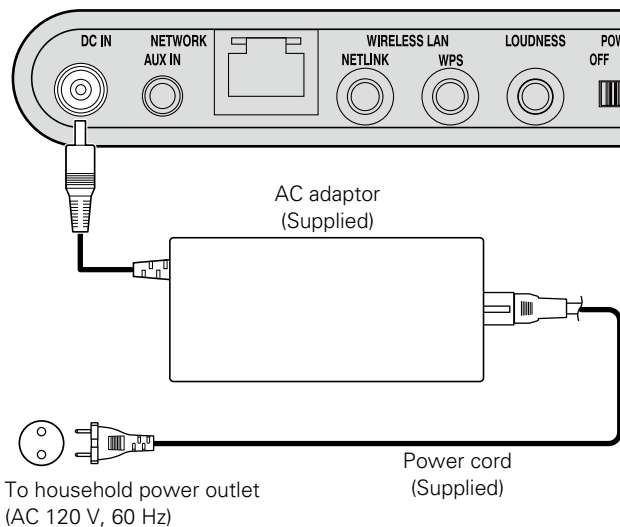
# Connections

## NOTE

- Do not plug in the power cord until all connections have been completed.
- When making connections, also refer to the owner's manual of the other components.
- Do not bundle power supply cords together with connection cables. Doing so can result in humming or noise.

## Connecting the power cord

When all of the connections are completed, insert the power plug into the power outlet.



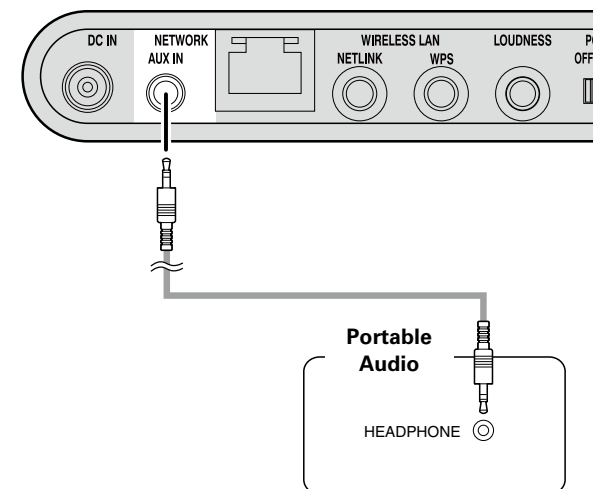
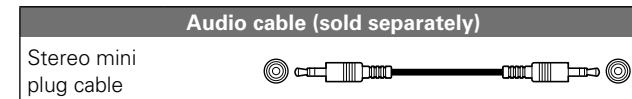
## NOTE

- When using this unit for the first time or when this unit has not been used for a long time, its battery has no charge. In this case, connect this unit to the power outlet before use.
- Only use the supplied power cord and AC adaptor.
- Be sure the power cord is unplugged from the power outlet before connecting or disconnecting it to the AC inlet.

## Connecting a portable player

- If a portable player is connected via the AUX IN jack of the unit, music from the portable player can be played.
- For operating instructions see "Playing a portable player" ([page 17](#)).

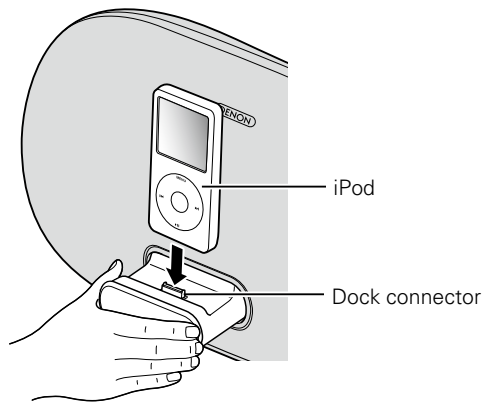
## Cables used for connections



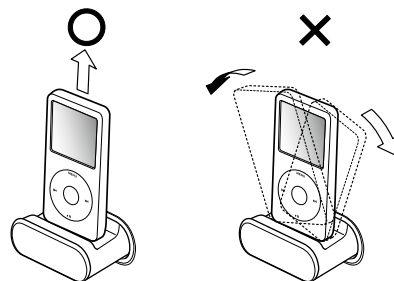


# Connecting an iOS device

- You can enjoy music stored on an iOS device.
- For operating instructions see "Playing an iOS device" (page 14)



## Dismantling

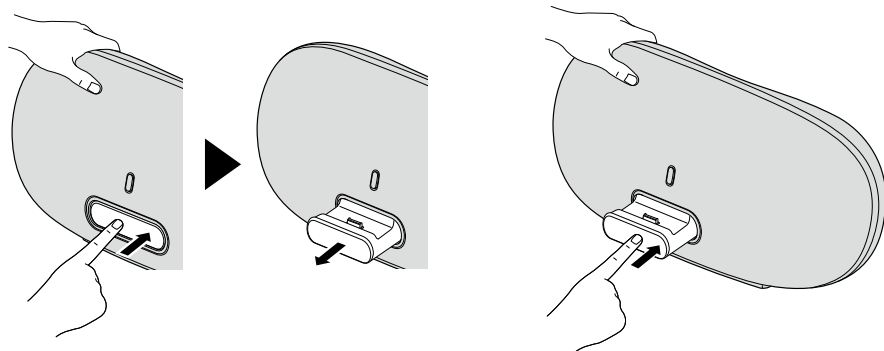


### NOTE

- Depending on the type of iOS device and the software version, some functions may not operate.
- Note that DENON will accept no responsibility whatsoever for any problems arising with the data on an iOS device when using this unit in conjunction with the iOS device.

## How to eject/store the Dock

- ① Push the front of the Dock, and it comes out.
- ② Push it again to store within this unit.



### NOTE

- When ejecting/storing the Dock, hold the upper part of this unit with your hand to prevent this unit from moving or tipping over.
- When iPhone or iPod touch is not connected to this unit, store the Dock within this unit.

## Supported iPod models

### • iPod / iPod classic



iPod classic  
80GB



iPod classic  
160GB (2007)



iPod classic  
160GB (2009)

### • iPod nano



iPod nano  
2nd generation  
(aluminum)  
2GB 4GB 8GB



iPod nano  
3rd generation  
(video)  
4GB 8GB



iPod nano  
4th generation (video)  
8GB 16GB



iPod nano  
5th generation (video camera)  
8GB 16GB



iPod nano  
6th generation  
8GB 16GB

### • iPod touch



iPod touch  
1st generation  
8GB 16GB 32GB



iPod touch  
2nd generation  
8GB 16GB 32GB



iPod touch  
3rd generation  
32GB 64GB



iPod touch  
4th generation  
8GB 32GB 64GB

### • iPhone



iPhone  
4GB 8GB 16GB



iPhone 3G  
8GB 16GB



iPhone 3GS  
8GB 16GB 32GB



iPhone 4  
16GB 32GB



iPhone 4S  
16GB 32GB 64GB

(as of July 2012)

# Connecting to a home network (LAN)

When this unit is connected to your home network (LAN), you can enjoy various audio sources via the network.

- Streaming playback from iPhone, iPod touch or iPad with AirPlay
- Internet radio
- Music files on music servers

Furthermore, you can operate this unit by using Cocoon App on iPhone or iPod touch.



To check for any firmware update available for improving this unit, etc., see "Firmware Update" ([page 24](#)) in the menu.

## Required system

### Broadband internet connection

#### Modem

Device that connects to the broadband circuit and conducts communications on the Internet.

A type that is integrated with a router is also available.

#### Router

When using this unit, we recommend you use a router equipped with the following functions:

- Built-in DHCP server  
This function automatically assigns IP addresses on the LAN.
- Built-in 100BASE-TX switch  
When connecting multiple devices, we recommend a switching hub with a speed of 100 Mbps or greater.
- When using with a wireless LAN, prepare a broadband router with built-in access point.

### Ethernet cable (supplied) (CAT-5 or greater recommended)

- Use only a shielded STP or ScTP LAN cable which is available at retailer.
- The normal shielded-type Ethernet cable is recommended. If a flat-type cable or unshielded-type cable is used, other devices could be affected by noise.



- If you have an Internet provider contract for a line on which network settings are made manually, make the settings at "When "DHCP" is set to "Off" on your router" ([page 10](#)).
- With this unit, it is possible to use the DHCP and Auto IP functions to make the network settings automatically.
- When using this unit with the broadband router's DHCP function enabled, this unit automatically performs the IP address setting and other settings.  
When using this unit connected to a network with no DHCP function, make the settings for the IP address, etc., at "When "DHCP" is set to "Off" on your router" ([page 10](#)).
- When setting manually, check the setting contents with the network administrator.

#### NOTE

- A contract with an ISP is required to connect to the Internet. No additional contract is needed if you already have a broadband connection to the Internet.
- The types of routers that can be used depend on the ISP. Contact an ISP or a computer shop for details.
- DENON assumes no responsibility whatsoever for any communication errors or troubles resulting from customer's network environment or connected devices.
- This unit is not compatible with PPPoE. A PPPoE-compatible router is required if you have a contract for a type of line set by PPPoE.
- Do not connect an NETWORK connector directly to the LAN port/Ethernet connector on your computer.
- To listen to audio streaming, use a router that supports audio streaming.

## Network connections and settings

There are two types of network connections available – wired and wireless. Select either of them according to your router functions and operating environment.

### Using a router equipped with the wireless LAN function

Connect this unit to your router wirelessly. Connection procedures differ according to the type of your router.

**When your router is equipped with a WPS button**

( [page 9](#))

**When your router is not equipped with a WPS button and you are using iPhone or iPod touch**

( [page 9](#))

### Using a router that is not equipped with the wireless LAN function

Connect this unit to your router with an Ethernet cable. Connection procedures differ according to your router settings.

**When “DHCP” is set to “On” on your router**

( [page 10](#))

**When “DHCP” is set to “Off” on your router**

( [page 10](#))

### Using PC to make network settings of this unit

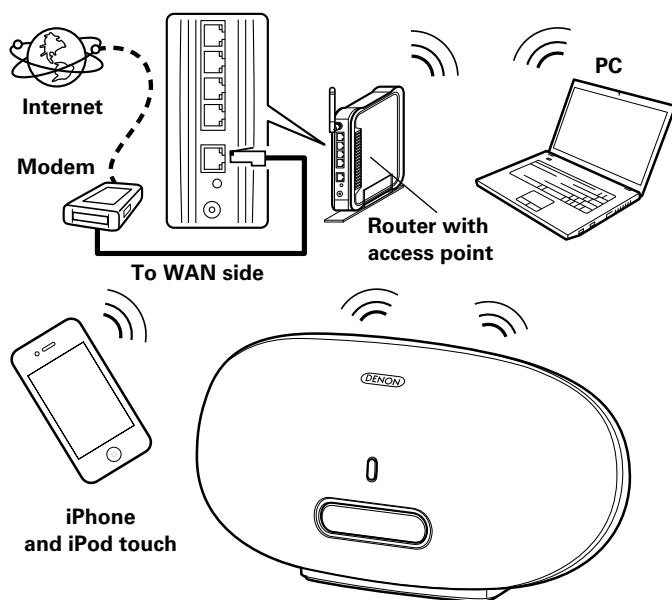
You can also use your PC to make network settings of this unit without iPhone or iPod touch.

**When this unit is connected to your PC through wireless LAN ( [page 11](#))**



“WPS” stands for Wi-Fi Protected Setup, a standard for making it easy to make security settings required when connecting wireless LAN devices.

## Wireless LAN



### When your router is equipped with a WPS button

By just pressing the WPS button on your router and this unit, the wireless LAN connection settings are made.

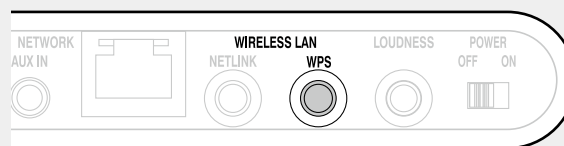


- Before turning this unit on, make sure that an Ethernet cable is not connected to this unit. If a cable is connected, have this unit enter the power standby mode and disconnect the cable.
- After the unit is turned on, it takes approximately 30 seconds for the WPS button on this unit to be available.

#### 1 Press the WPS button of the router.

#### 2 Press WPS on the rear panel.

“Connecting” is displayed, and the unit starts connecting to the LAN.



- When the connection is made successfully, “Succeeded” appears.
- If the connection cannot be established, “Connection Failed” is displayed. Perform steps 1 – 2 again.



- If this unit is still not connected to the network after this procedure, manually enter the PIN code of WPS ([page 23](#)).

### When your router is not equipped with a WPS button and you are using iPhone or iPod touch



Use the DENON application “Cocoon App” to make the wireless LAN connection settings.



- “Cocoon App” is free.
- Before turning this unit on, make sure that an Ethernet cable is not connected to this unit. If a cable is connected, have this unit enter the power standby mode and disconnect the cable.
- To make the connection settings by using PC without iPhone or iPod touch, see “Using PC to make network settings of this unit” ([page 11](#)).

#### 1 Download “Cocoon App” to your iPhone or iPod touch from App Store.

#### 2 Start the application.

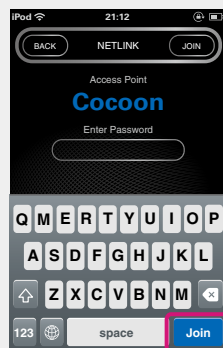
#### 3 When the “Setup” screen is displayed, tap “NetLink”.

- “Scanning network for devices” is displayed.

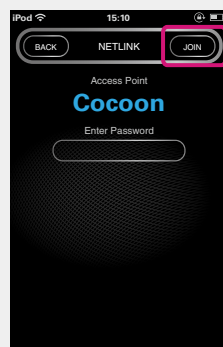


**4 Enter the encryption key.**

- ① Enter the encryption key of your router that is connected to your iPod or iPhone.
- ② Tap "Join".

**5 Place your iPod or iPhone in the dock of this unit** (page 6).**6 Tap "JOIN".**

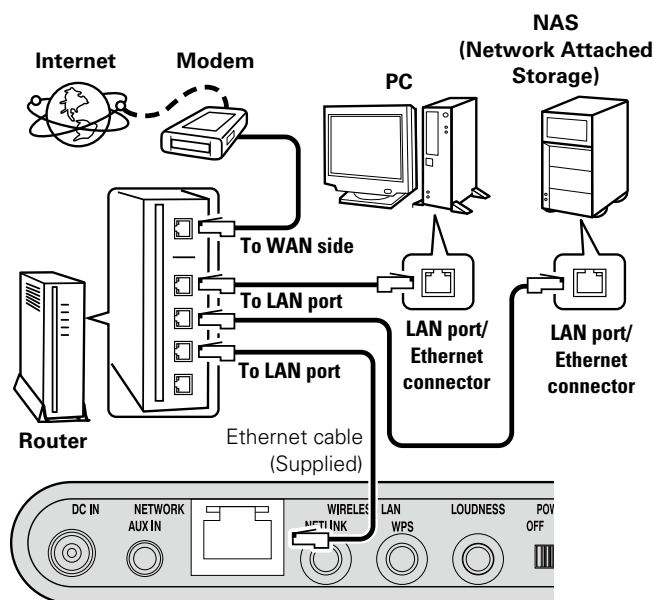
The network settings are copied to this unit from your iPod or iPhone and this unit is connected to the network.



- When this unit could not connect to the network, the application displays an error message. Perform steps 1 – 6 again.



The wireless network name (SSID) and encryption method used for this unit are the same as those set for the connected iPod or iPhone.

**Wired LAN**

**For connections to the Internet, contact an ISP (Internet Service Provider) or a computer shop.**

**When "DHCP" is set to "On" on your router**

When using this unit with the broadband router's DHCP function enabled, this unit automatically performs the IP address setting and other settings.

**1 Connect the supplied Ethernet cable by referring to the above figure.****2 Press  to turn on power to the main unit.**

- When this unit could not connect to the network, perform steps 1 and 2 again.



You may need to set the network connection manually, depending on the provider you use. To set the connection manually, use the setting procedure of "When "DHCP" is set to "Off" on your router".

**When "DHCP" is set to "Off" on your router**

This section explains the settings when connecting this unit to a network that does not have a DHCP function.



To configure the settings manually, check the setting details with your network administrator.

**1 Complete steps 1 – 4 in "When this unit is connected to your PC through wireless LAN" (page 11).****2 On the page that appears, set the information necessary for the network connection.**

- ① Click "Profile Configuration" on the upper left part of the page.
- ② Click "ADVANCE SETTING".
- ③ Enter required items.
- ④ When settings are completed, click "Apply".
- ⑤ Connect the Ethernet cable.

- "Connecting" is displayed, and the unit starts connecting to the LAN.
- When the connection is made successfully, "Succeeded" appears.
- If the connection cannot be established, "Connection Failed" is displayed. Turn this unit off and on. If this unit is still not connected to the network after this procedure, complete steps 1 – 2 again.

## Using PC to make network settings of this unit

### □ When this unit is connected to your PC through wireless LAN



Before turning this unit on, make sure that an Ethernet cable is not connected to this unit. If a cable is connected, have this unit enter the power standby mode and disconnect the cable.

#### 1 Press to turn on power to the main unit.

It takes approximately 30 seconds for this unit to start.

#### 2 Press **NETLINK** on the rear panel.

This unit restarts and "NetLink" appears on the display.

#### 3 Connect to "Cocoon\_Setup" in the wireless network settings on your PC.

- If "Cocoon\_Setup" is not displayed, refresh the network.
- It may take up to two minutes to establish the connection.

#### 4 Launch the browser on the PC connected to this unit, and enter the address "<http://169.254.1.1>".

#### 5 On the page that appears, set the information necessary for the network connection.

- ① Click "Profile Configuration" on the upper left part of the page.
- ② From the "Digital Media Player Wireless LAN Settings" dropdown list, select the SSID (Service Set ID) of your router.
- ③ Enter the password.
- ④ When settings are completed, click "Apply".

- "Connecting" is displayed, and the unit starts connecting to the LAN.
- When the connection is made successfully, "Succeeded" appears.
- If the connection cannot be established, "Connection Failed" is displayed. Perform steps 1 – 5 again.
- It may take 120 seconds to establish the network connection.



- Enter the name in the "Friendly Name" box and click "Set" to change the friendly name. A friendly name is the name of this unit that is presented to the network.
- In "ADVANCE SETTING", you can manually make settings such as the IP address.





#### NOTE





NETLINK does not support proxy servers.

# Operations

Here, we explain functions and operations that let you make better use of this unit.

## ● Playback [page 13](#)

 iPod	 <a href="#">page 14</a>
 PORTABLE PLAYER	 <a href="#">page 17</a>

 AirPlay	 <a href="#">page 15</a>
 PC/NAS/DMS	 <a href="#">page 18</a>

 Internet Radio	 <a href="#">page 17</a>
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## ● How to make detailed settings [page 20](#)

# Playback

This section provides how to play back music with this unit.  
This unit can play back music from the following devices (media).

- iPhone and iPod
  - When connected to this unit ([page 14](#))
  - When using AirPlay ([page 15](#))
- Internet radio ([page 17](#))
- Portable player ([page 17](#))
- Music server (PC on the network) ([page 18](#))

## Preparations


### Turning the power on

Press  to turn on power to the unit.

This unit is turned on and the operation button on top lights.



#### When power is switched to standby

Press .

- The operation button on top lights off and this unit enters the standby mode.

#### Completely turning off the power

Power continues to be supplied to some of the circuitry even when the power is in the standby mode. When leaving home for long periods of time, unplug the power cord from the power outlet.

#### NOTE

The settings made for the various functions may be cleared if the power cord is left unplugged from a power outlet for an extended period of time.

## Preparations

### Setting the current time (Auto Adjust) (12-Hour Display)

When this unit is connected to the network, the current time is automatically set.



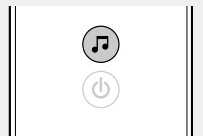
- The default time zone of this unit is set to Eastern Standard Time. To change the Time Zone and Summer Time, see "Adjusting the clock automatically (Auto Adjust)" ([page 21](#)).
- When this unit is not connected to the network, set the time manually. See "Setting the current time (Manual Adjust) (12-Hour Display)" ([page 22](#)).

## Operations possible during playback

### Selecting the input source

You can select the device for which this unit outputs the audio that is connected to this unit.

Press .



- The input source is switched each time the button is pressed.



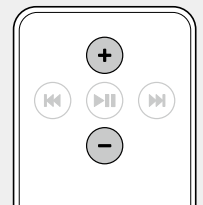
\* These items are displayed if a relevant device is connected to this unit.

### Adjusting the master volume

Press **+** or **-**.

The volume level is displayed.

**[Adjustable range]** 0 - 50

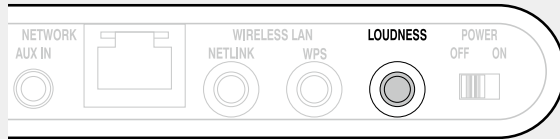




## Adjusting the tone (LOUDNESS)

When you press LOUDNESS to the "On" (🔊) state, bass and treble sounds, which are hard to hear at a low volume level, are enhanced for a more natural audio quality.

### Press LOUDNESS on the main unit.



- Press the button again to the "Off" (🔇) state to return to the original audio quality.

## Various memory functions

### Last function memory

This function stores the settings which were made before going into the standby mode.

When the power is turned back on, the settings are restored.

## Playing an iOS device

With this unit, you can listen to music on an iOS device. It is also possible to operate the iOS device from the main unit or remote control.

For information on the iOS device models that can be played back with this unit, see "Connecting an iOS device" (👉 page 6).

### Load the iOS device onto the Dock of this unit (👉 page 6 "Connecting an iOS device").

When the iOS device is loaded to the dock tray on this unit, the input source automatically switches to "iDevice".

- During AirPlay, the input source does not switch automatically. Press 🎵 to switch the input source to "iDevice".

#### NOTE

This function is activated around 30 seconds after the power is turned on.

### ❑ Streaming music stored in iPhone, iPod touch or iPad directly to the unit (👉 page 15)

### ❑ Playing iTunes music with this unit (👉 page 15)

### ❑ Disconnecting the iOS device

- 1 Press ⏻ to set the standby mode.
- 2 Remove the iOS device from the Dock of this unit.



#### NOTE

- Depending on the type of iOS device and the software version, some functions may not operate.
- Note that DENON will accept no responsibility whatsoever for any problems arising with the data on an iOS device when using this unit in conjunction with the iOS device.

### ❑ Remote control and iOS device button relations

Remote control buttons	iOS device buttons	Operation on this unit
▶▶	▶▶	Play the track / Pause the track.
⏮, ⏭ (Press and release)	⏮, ⏭ (Press and release)	Play the track from the beginning/Play the next track.
⏮, ⏭ (Press and hold)	⏮, ⏭ (Press and hold)	Fast-reverse the track/Fast-forward the track.

## AirPlay function

Enjoy music from your iTunes library with high quality sound anywhere in your home.

Use the Apple Remote app\* for iPhone, iPod touch and iPad to control iTunes from any room in your home.

\* Available as a free download from the App Store.

### NOTE


- Before using the AirPlay function, this unit must be connected to the network. For how to connect this unit to the network, see "Network connections and settings" (page 8).
- To use the AirPlay function, you must update iPhone, iPod touch or iPad to iOS 4.2.1 or higher.

### Streaming music stored in iPhone, iPod touch or iPad directly to the unit

#### 1 Make the Wi-Fi settings for iPhone, iPod touch or iPad.

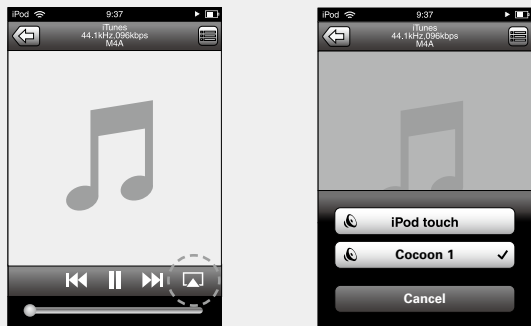
- For details, see your device's manual.

#### 2 Startup iPhone, iPod touch, or iPad music or iPod app.

 is displayed on the iPhone, iPod touch or iPad screen.

#### 3 Tap the AirPlay icon .

#### 4 Select the speaker you want to use.



### NOTE

When the AirPlay function is used, this unit plays back at the volume level set on iPhone, iPod touch, iPad, or iTunes.

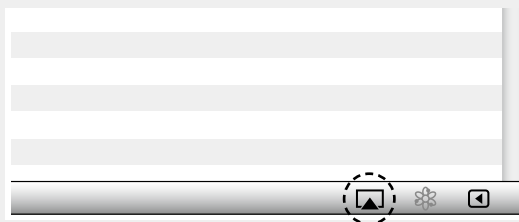
First minimize the volume level on iPhone, iPod touch, iPad, or iTunes before playback. Then, start playback and adjust the volume to the desired level.

### Playing iTunes music with this unit

#### 1 Install iTunes 10, or later, on a Mac or Windows PC that is connected to the same network as this unit.

#### 2 Turn this unit ON.

#### 3 Launch iTunes and click the AirPlay icon displayed in the lower right of the window and select this unit from the list.



#### 4 Choose a song and click play in iTunes.

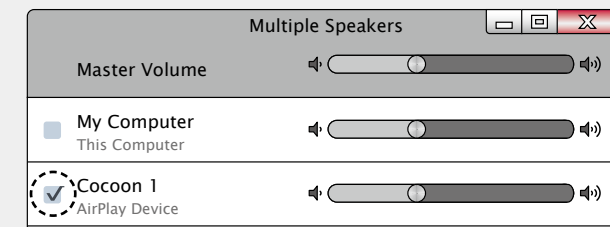
The music will stream to this unit.

### Selecting multiple speakers (devices)

It is possible to play iTunes songs on your home's AirPlay compatible speakers (devices) other than those of this unit.

#### 1 Click the AirPlay icon and select "Multiple Speakers" from the list.

#### 2 Check the speakers you want to use.



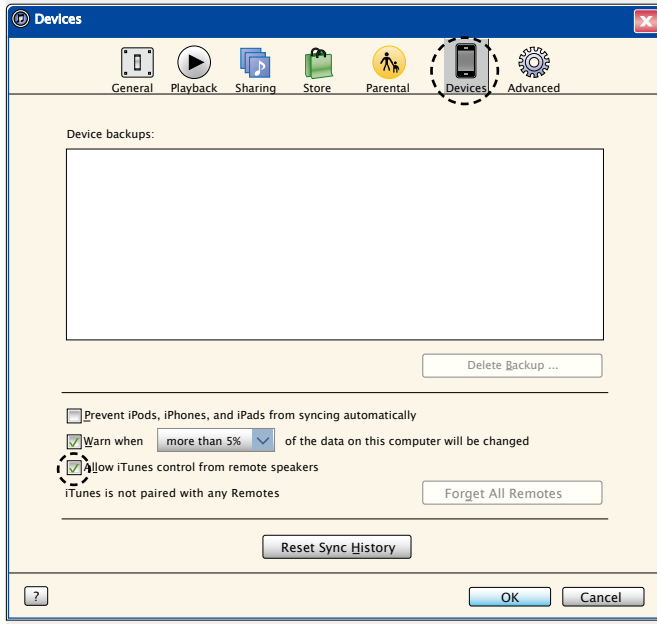
## □ Perform iTunes playback operations with the remote control unit of this unit

With this unit's remote control unit, you can perform iTunes song play, pause, and auto search (cue) operations.

**1** Select “Edit” – “Preferences...” on the menu.

**2** Select “Devices” in the iTunes setting window.

**3** Check “Allow iTunes control from remote speakers”, and then click “OK”.



- Source input will be switched to “AirPlay” when AirPlay playback is started.
- You can stop AirPlay playback by choosing other input source.
- For information about how to use iTunes, also see the Help for iTunes.
- The screen may differ depending on the OS and software versions.

## Listening to internet radio

Internet radio refers to radio broadcasts distributed over the Internet. Internet radio stations from around the world can be received.

### NOTE

Before playing back the Internet radio, this unit must be connected to the network. For how to connect this unit to the network, see “Network connections and settings” (☞ page 8).

## Important information

The broadcast station types and specifications supported by this unit for playback are as follows.

### [Playable broadcast station types]

Supported file types	Internet radio
<b>WMA</b> (Windows Media Audio)	✓
<b>MP3</b> (MPEG-1 Audio Layer-3)	✓


### [Playable broadcast station specifications]

	Sampling frequency	Bit rate	Extension
<b>WMA</b> (Windows Media Audio)	32/44.1/48 kHz	48 – 192 kbps	.wma
<b>MP3</b> (MPEG-1 Audio Layer-3)	32/44.1/48 kHz	32 – 320 kbps	.mp3

## Listening to preset Internet radio stations

### 1 Prepare for playback.

- ① Check the network environment, then turn on this unit’s power (☞ page 8 “Network connections and settings”).
- ② If settings are required, make the “Network connections and settings” (☞ page 8).
- ③ If settings are required, make the “Setting the current time (Auto Adjust) (12-Hour Display)” (☞ page 13).

- 2 Press  to switch the input source to “Preset 1”, “Preset 2” or “Preset 3”.

Playback starts.



- Use Cocoon App to change preset details.



- There are many Internet radio stations on the Internet, and the quality of the programs they broadcast as well as the bit rate of the tracks varies widely.

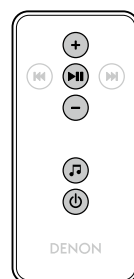
Generally, the higher the bit rate, the higher the sound quality, but depending on the communication lines and server traffic, the music or audio signals being streamed may be interrupted. Inversely, lower bit rates mean a lower sound quality but less tendency for the sound to be interrupted.




- “Server Full” or “Connection Down” is displayed if the station is busy or not broadcasting.
- The Internet radio station name appears on the display of this unit.

### NOTE

The radio station database service may be suspended without notice.

### Internet radio operation buttons




Operation buttons	Function
+ , -	Volume up / down
	Mute On/Off
	Switching the input source
	Power on/standby

## Playing a portable player

The following describes the procedure for playing portable player.

- 1 Connect the portable player to this unit (☞ page 5 “Connecting a portable player”).

- 2 Press  to turn on power to the main unit.

- 3 Press  to switch the input source to “AUX”.

- 4 Play the component connected to this unit.

