

ONKYO

Wireless Music System

ABX-N300

Instruction Manual

Thank you for purchasing an Onkyo Wireless Music System. Please read this manual thoroughly before making any connections and plugging it in. Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new Wireless Music System. Please retain this manual for future reference.

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WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

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.



WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR



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.

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.

PORTABLE CART WARNING



S3125A

15. Damage Requiring Service
Unplug the apparatus from the wall outlet and refer servicing to qualified service personnel under the following conditions:
A. When the power-supply cord or plug is damaged,
B. If liquid has been spilled, or objects have fallen into the apparatus,
C. If the apparatus has been exposed to rain or water,
D. If the apparatus does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation,
E. If the apparatus has been dropped or damaged in any way, and
F. When the apparatus exhibits a distinct change in performance this indicates a need for service.
16. Object and Liquid Entry
Never push objects of any kind into the apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.
Don't put candles or other burning objects on top of this unit.
17. Batteries
Always consider the environmental issues and follow local regulations when disposing of batteries.
18. If you install the apparatus in a built-in installation, such as a bookcase or rack, ensure that there is adequate ventilation.
Leave 20 cm (8") of free space at the top and sides and 10 cm (4") at the rear. The rear edge of the shelf or board above the apparatus shall be set 10 cm (4") away from the rear panel or wall, creating a flue-like gap for warm air to escape.

Precautions

1. **Recording Copyright**—Unless it's for personal use only, recording copyrighted material is illegal without the permission of the copyright holder.
2. **Care**—Occasionally you should dust the unit all over with a soft cloth. For stubborn stains, use a soft cloth dampened with a weak solution of mild detergent and water. Dry the unit immediately afterwards with a clean cloth. Don't use abrasive cloths, thinners, alcohol, or other chemical solvents, because they may damage the finish or remove the panel lettering.

3. Power WARNING

BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.

AC outlet voltages vary from country to country. Make sure that the voltage in your area meets the voltage requirements printed on the AC adapter.

The AC adapter is used to disconnect this unit from the AC power source. Make sure that the adapter is readily operable (easily accessible) at all times.

If you do not intend to use the unit for an extended period, remove the AC adapter from the AC outlet.

4. Batteries and Heat Exposure Warning

Batteries (battery pack or batteries installed) shall not be exposed to excessive heat as sunshine, fire or the like.

5. **Never Touch this Unit with Wet Hands**—Never handle this unit or its power cord while your hands are wet or damp. If water or any other liquid gets inside this unit, have it checked by your Onkyo dealer.
6. **Handling Notes**
 - If you need to transport this unit, use the original packaging to pack it how it was when you originally bought it.
 - Do not leave rubber or plastic items on this unit for a long time, because they may leave marks on the case.
 - This unit's top and rear panels may get warm after prolonged use. This is normal.
 - If you do not use this unit for a long time, it may not work properly the next time you turn it on, so be sure to use it occasionally.

For U.S. models

FCC Statement

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

FCC Caution:

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible. This device and its antenna(s) must not be collocated or operation in conjunction with any other antenna or transmitter.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

For Canadian Models

IC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

For product available in the USA/Canada market, only channel 1-11 can be operated. Selection of other channels is not possible. This device and its antenna(s) must not be colocated or operation in conjunction with any other antenna or transmitter.

IMPORTANT NOTE:

IC Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

NOTE:

THIS CLASS B DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.

Modèle pour les Canadien

IC Statement

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IMPORTANT NOTE:

IC Radiation Exposure Statement:

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).

REMARQUE:

CET APPAREIL NUMÉRIQUE DE LA CLASSE B EST CONFORME À LA NORME NMB-003 DU CANADA.

For European Models

Hereby, ONKYO SOUND & VISION CORPORATION, declares that this ABX-N300 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

С настоящето, ONKYO SOUND & VISION CORPORATION, декларира, че ABX-N300 е в съответствие със съществените изисквания и другите приложими разпоредби на Директива 1999/5/EC.

ONKYO SOUND & VISION CORPORATION tímto prohlašuje, že ABX-N300 splňuje základní požadavky a všechna příslušná ustanovení Směrnice 1999/5/ES.

Undertegnede ONKYO SOUND & VISION CORPORATION erklærer herved, at følgende udstyr ABX-N300 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Hiermit erkläre ONKYO SOUND & VISION CORPORATION, dass sich das Gerät ABX-N300 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.

Käesolevaga kinnitab ONKYO SOUND & VISION CORPORATION seadme ABX-N300 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Ο ΚΑΤΑΣΚΕΥΑΣΤΗΣ ONKYO SOUND & VISION CORPORATION ΔΗΛΩΝΕΙ ΟΤΙ ΑΒΧ-Ν300 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ

Por la presente, ONKYO SOUND & VISION CORPORATION, declara que este ABX-N300 cumple con los requisitos esenciales y otras exigencias relevantes de la Directiva 1999/5/EC.

Par la présente, ONKYO SOUND & VISION CORPORATION déclare que l'appareil ABX-N300 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Con la presente ONKYO SOUND & VISION CORPORATION dichiara che questo ABX-N300 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Ar šo ONKYO SOUND & VISION CORPORATION deklarē, ka ABX-N300 atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

Šiuo ONKYO SOUND & VISION CORPORATION deklaruoja, kad šis ABX-N300 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

A ONKYO SOUND & VISION CORPORATION ezzennel kijelenti, hogy a ABX-N300 típusú beren-dezés teljesíti az alapvető követelményeket és más 1999/5/EK irányelvben meghatározott vonatkozó rendelkezéseket.

Hierbij verklaart ONKYO SOUND & VISION CORPORATION dat het toestel I ABX-N300 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Niniejszym ONKYO SOUND & VISION CORPORATION deklaruje że ABX-N300 jest zgodny z zasadniczymi wymaganiami i innymi właściwymi postanowieniami Dyrektywy 1999/5/EC.

Eu, ONKYO SOUND & VISION CORPORATION, declaro que o ABX-N300 cumpre os requisitos essenciais e outras provisões relevantes da Directiva 1999/5/EC.

Prin prezenta, ONKYO SOUND & VISION CORPORATION, declară că aparatul ABX-N300 este în conformitate cu cerințele esențiale și cu alte prevederi pertinente ale Directivei 1999/5/CE.

ONKYO SOUND & VISION CORPORATION týmto vyhlasuje, že ABX-N300 a splňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

ONKYO SOUND & VISION CORPORATION izjavlja, da je ta ABX-N300 v skladu z bistvenimi zahtevami in drugimi relevantnimi določili direktive 1999/5/ES.

ONKYO SOUND & VISION CORPORATION vakuuttaa täten että ABX-N300 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Härmed förklarar ONKYO SOUND & VISION CORPORATION att denna ABX-N300 följer de väsentliga kraven och andra relevanta stadgar i Direktiv 1999/5/EC.

Hér með lýsir ONKYO SOUND & VISION CORPORATION því yfir að varan ABX-N300 er í samræmi við grunnkröfur og aðrar kröfur sem gerðar eru í tilskipun 1999/5/EC.

ONKYO SOUND & VISION CORPORATION erklærer herved at denne ABX-N300 er i overensstemmelse med vesentlige krav og andre relevante bestemmelser i direktiv 1999/5/EC.

Declaration of Conformity

We, ONKYO EUROPE
ELECTRONICS GmbH
LIEGNITZERSTRASSE 6,
82194 GROEBENZELL,
GERMANY



declare in own responsibility, that the ONKYO product described in this instruction manual is in compliance with the corresponding technical standards such as EN60950-1, EN55022, EN55024 and EN61000-3-2, -3-3.

GROEBENZELL, GERMANY

K. MIYAGI

ONKYO EUROPE ELECTRONICS GmbH

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Features

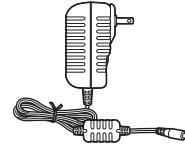
- iPod/iPhone digital connection
- Control your iPod/iPhone * with the remote controller
- Network capability
 - Internet radio
- AirPlay *
- Bass and treble tone controls
- Super Bass (S.Bass) function for deeper bass sounds
- Line input for external audio source
- Downlight with adjustable dimmer
- iPod/iPhone charging capability
- 2 programmable timers
- Sleep timer
- Snooze function

Supplied Accessories

Make sure you have the following accessories:



Remote controller (RC-806S) and battery (CR2025)



AC adapter (DC output 16V 3A)
(Adapter varies from country to country.)

Note:

- The AC adapter supplied with the ABX-N300 is designed exclusively for use with the ABX-N300. Do not use it with any another device. Likewise, do not use any other AC adapter with the ABX-N300. Doing so may damage the ABX-N300.
- In catalogs and on packaging, the letter at the end of the product name indicates the color. Specifications .and operation are the same regardless of color.

Compatible iPod/iPhone models

Made for:

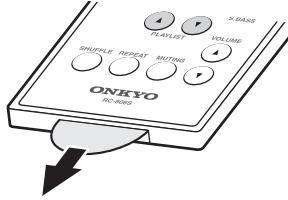
iPod touch (1st, 2nd, 3rd and 4th generation), iPod classic, iPod nano (2nd, 3rd, 4th, 5th and 6th generation), iPhone 4, iPhone 3GS, iPhone 3G, iPhone



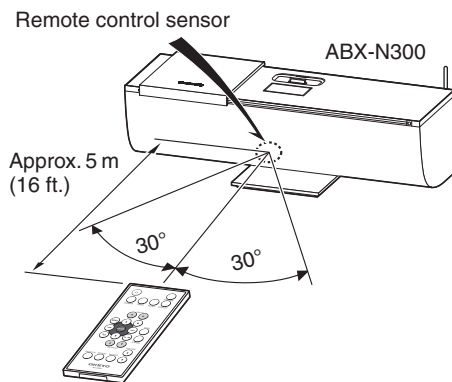
* AirPlay, the AirPlay logo, iPad, iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. “Made for iPod” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod or 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.

Using the Remote Controller

Remove the plastic film before using the remote controller.



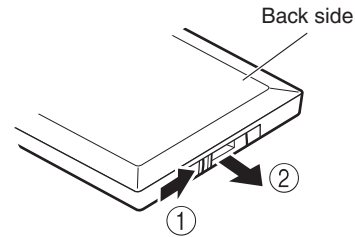
When using the remote controller, point it toward the ABX-N300's remote control sensor, as shown below.



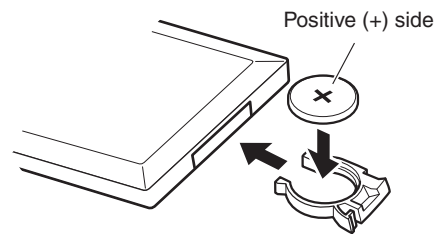
Replacing the Battery

Use only a battery of the same type (CR2025).

- 1** While sliding the stopper to the side, pull out the battery holder.



- 2** Insert a lithium button battery in the battery holder, and then replace the holder.



Notes:

- If the remote controller doesn't work reliably, try replacing the battery.
- If you intend not to use the remote controller for a long time, remove the battery to prevent damage from leakage or corrosion.
- Expired batteries should be removed as soon as possible to prevent damage from leakage or corrosion.

About Your iPod/iPhone

iPod/iPhone Models that can be connected

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

Note:

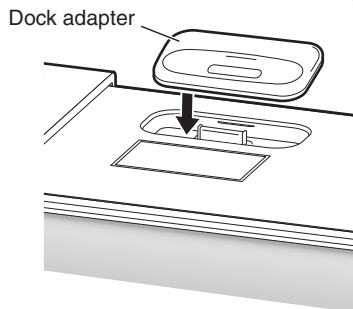
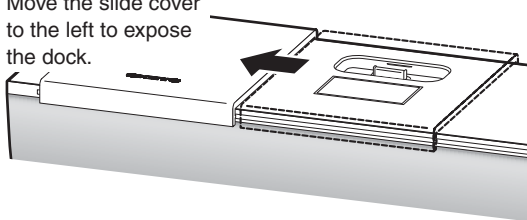
- Before you begin using it, please update your iPod/iPhone to the latest version. For details, refer to the Apple website.

About the Dock Adaptor

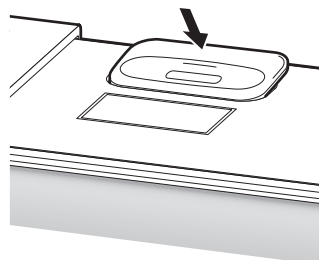
The ABX-N300's dock uses the Universal Dock system. By attaching an interchangeable part called a dock adaptor, you'll be able to insert your model of supported iPod/iPhone.

- Use a commercially available dock adaptor or the one that was included with your iPod/iPhone. If you insert your iPod/iPhone into the ABX-N300 without the appropriate dock adaptor, excessive strain will be applied to the connector, damaging the dock connector or the dock connector port of your iPod/iPhone.
- If your iPod is a compact and lightweight model, and has no compatible adapter, you may connect it directly.

Move the slide cover to the left to expose the dock.

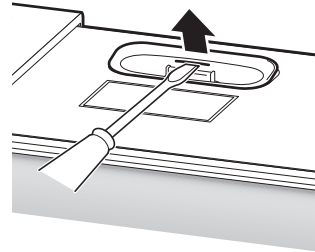


First align the front edge of the dock adaptor, and then press down on the rear edge.



Removing the Dock Adaptor

As shown in the illustration below, insert a slotted screwdriver or similar object into the slit of the dock adaptor, and lift the adaptor up.



Caution

- If you connect an iPod/iPhone to the ABX-N300 without attaching a dock adaptor, you risk straining and damaging the connector. Even if the dock adaptor is connected, you should avoid straining the connector by moving or wiggling the connected iPod/iPhone.
- When inserting or removing your iPod/iPhone, take care to insert or remove it in a straight line with the angle of the connector, and do not use excessive force.
- Do not forcefully press the controls of your iPod/iPhone while it is connected to the ABX-N300, or wiggle your iPod/iPhone forward or backward. Doing so will cause damage or faulty contacts in the connector.
- Do not use the system in conjunction with other accessories such as an FM transmitter or microphone. Doing so may cause faulty operation.
- If your iPod/iPhone is in a case, it might not be able to fully connect with the connector, causing failure to sound or inability to operate the remote control. Remove your iPod/iPhone from its case before inserting it in the ABX-N300.

Linked Operation with Your iPod/iPhone

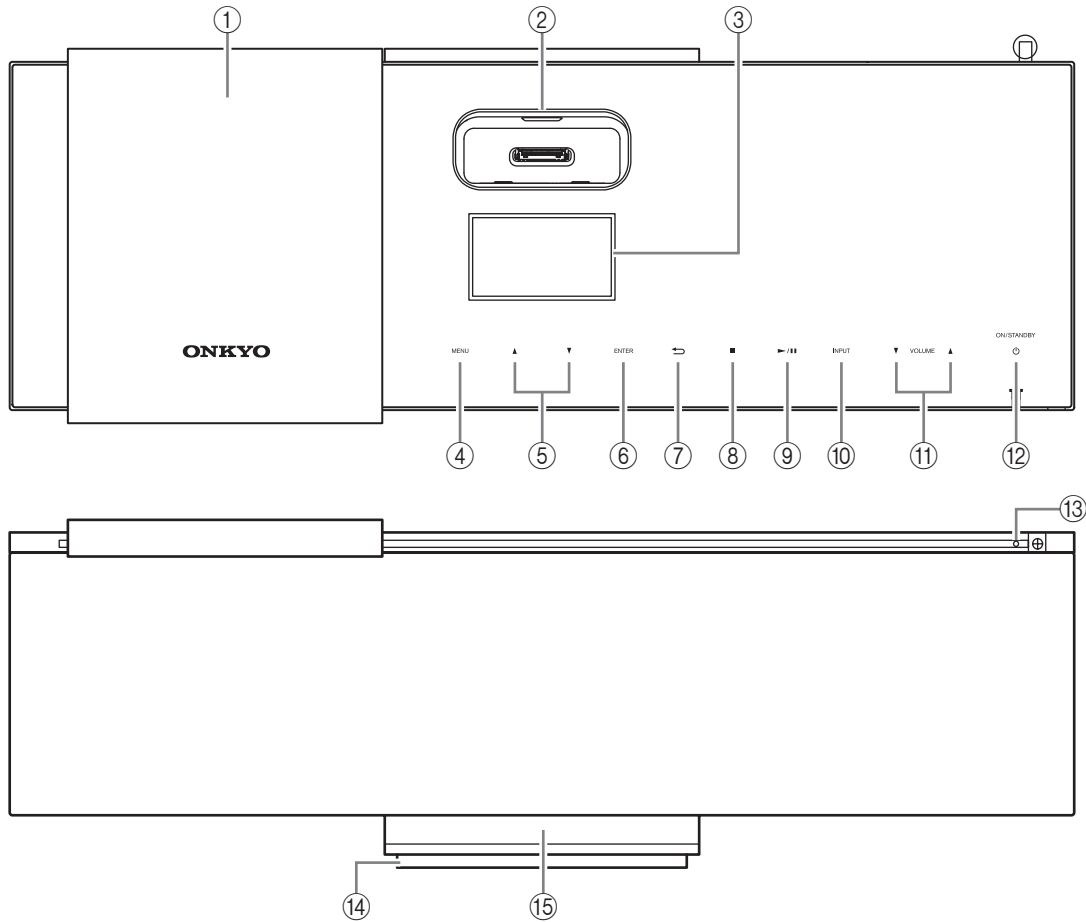
You can perform the following linked operations; however some of these operations might not work depending on your model of iPod/iPhone or the content being played.

- **Power on/off (standby) operation**
When you switch the ABX-N300's power on/standby, your iPod/iPhone will be switched accordingly.
- **Timer operation**
The ABX-N300's timer will cause your iPod/iPhone to perform timer playback.

Getting to Know the ABX-N300

Top/Front Panel

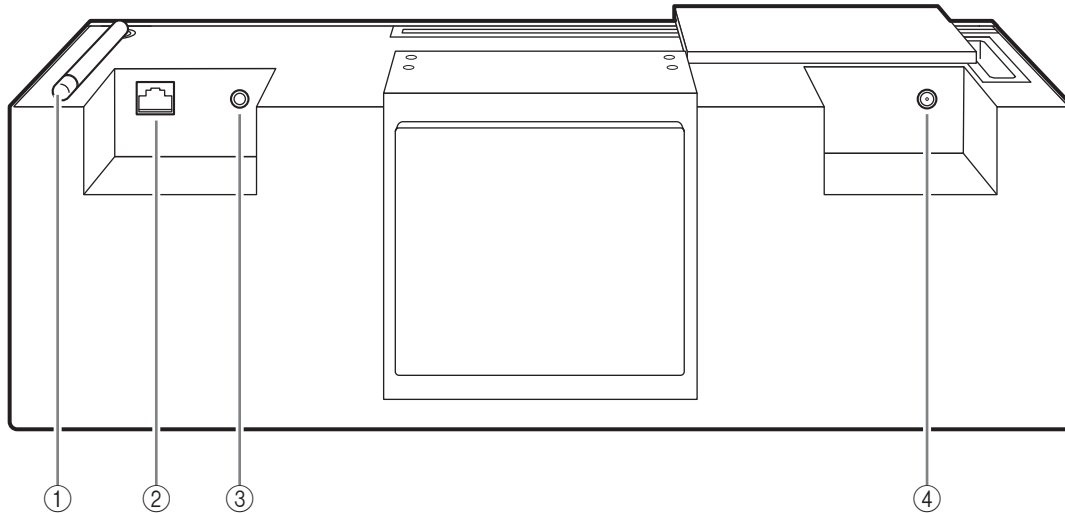
The page numbers in parentheses show where you can find the main explanation for each item.



- ① **Slide cover**
Close the slide cover when transporting the ABX-N300 or when not using the dock.
- ② **iPod/iPhone dock (XX)**
Insert your iPod/iPhone here.
- ③ **Display**
- ④ **MENU button (XX)**
This button accesses the menu. Press it once again to close the menu.
- ⑤ **[▲]/[▼] buttons (XX)**
When the menu is displayed, use these buttons to select a menu item.
- ⑥ **ENTER button**
Press this button to confirm a setting you've made in a menu, etc.
- ⑦ **[↶] button (XX)**
This button takes you back to the previous menu.
- ⑧ **[■] button (XX)**
This button stops playback on the iPod/iPhone.
- ⑨ **[▶]/[||] button (XX)**
This button starts playback on the iPod/iPhone. Pressing this during playback will pause the playback.
- ⑩ **INPUT button (XX)**
This button selects the source that will be heard.
- ⑪ **VOLUME buttons (XX)**
These buttons adjust the volume.
- ⑫ **ON/STANDBY button (XX)**
This button switches the power between on/standby.
- ⑬ **Standby mode indicator**
- ⑭ **Stand**
- ⑮ **Downlight**
This will be lit when the power is on, and unlit in standby mode.

Getting to Know the ABX-N300—Continued

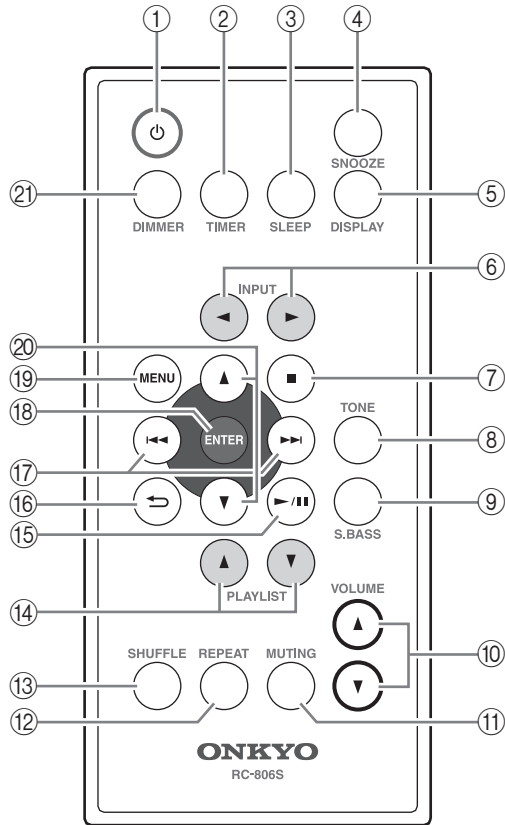
Rear Panel



- ① **Wi-Fi antenna (XX)**
Raise this antenna if you're connecting to the network wirelessly (via Wi-Fi).
- ② **Ethernet port (XX)**
Connect your Ethernet cable here if you're connecting to the network via a cable.
- ③ **LINE IN jack (XX)**
Use a commercially available mini-plug audio cable to connect an external device's audio output to this jack. This allows the ABX-N300 to play back audio from a device such as a digital audio player, game device, television, or record player with built-in phono equalizer.
- ④ **AC adapter jack (DC IN 16V 3A) (XX)**
Connect the included AC adapter here.

Getting to Know the ABX-N300—Continued

Remote Controller (RC-806S)



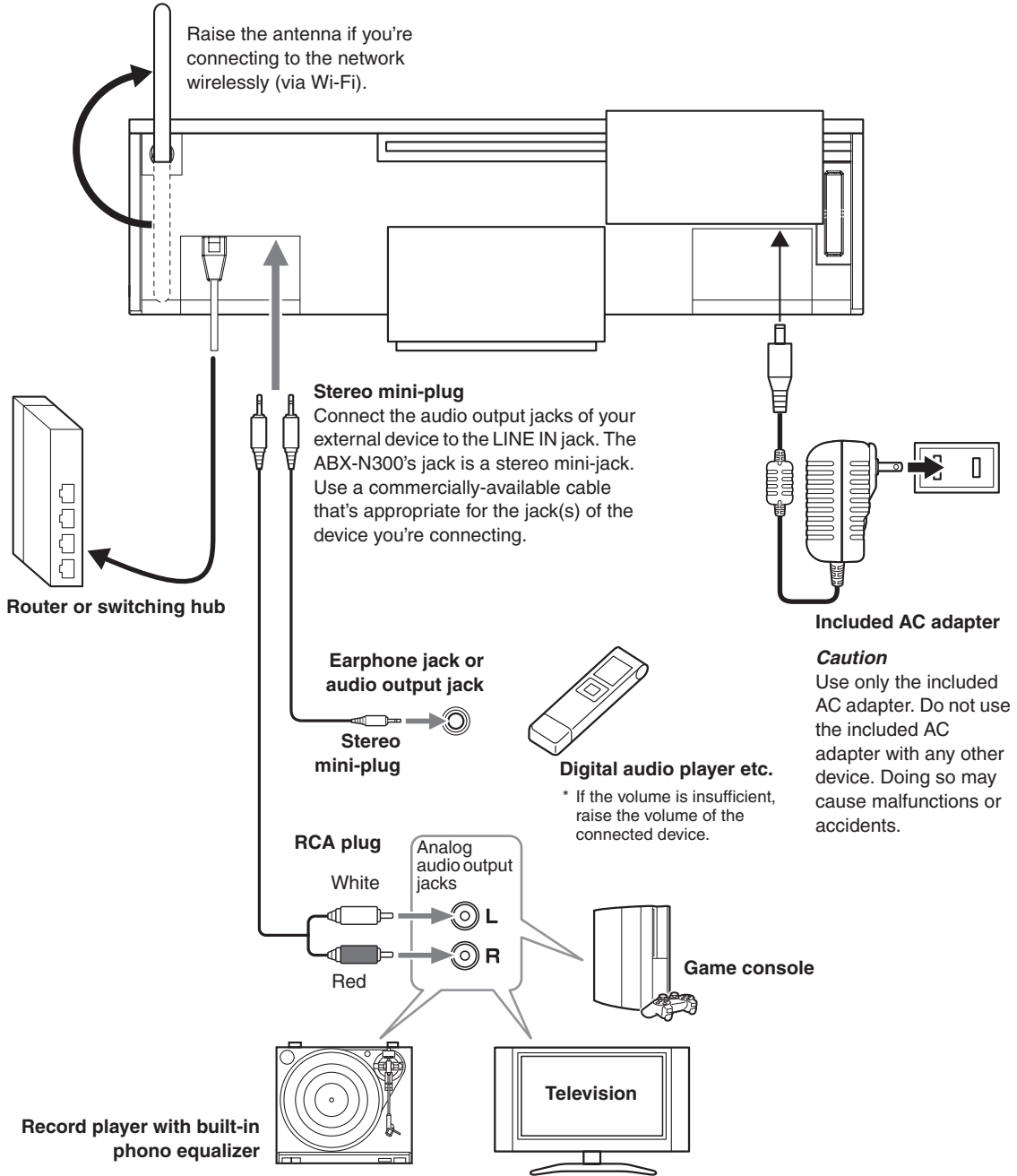
- ① **[⏻] (on/standby) button (XX)**
This button switches the power between on/standby.
- ② **TIMER button (XX)**
This button lets you set the clock and timer.
- ③ **SLEEP button (XX)**
This button is used to set the sleep timer.
- ④ **SNOOZE button (XX)**
Press this button to use the snooze function (temporarily stopping timer playback).
- ⑤ **DISPLAY button (XX)**
The information shown in the display will change each time you press this button. If you press this button when the ABX-N300 is in standby mode, the time will be displayed for eight seconds.
- ⑥ **INPUT button (XX)**
This button selects the source that will be heard.
- ⑦ **[■] button (XX)**
This button pauses playback on the iPod/iPhone.
- ⑧ **TONE button (XX)**
To adjust the treble (high-frequency range) or bass (low-frequency range), press this button to alternate between treble and bass settings.

- ⑨ **S.BASS (Super Bass) button (XX)**
This button lets you make Super Bass settings.
- ⑩ **VOLUME [▲]/[▼] buttons (XX)**
These buttons adjust the volume.
- ⑪ **MUTING button (XX)**
This button temporarily silences the sound.
- ⑫ **REPEAT button (XX)**
This button plays the song(s) repeatedly.
- ⑬ **SHUFFLE button (XX)**
This button plays the songs randomly.
- ⑭ **PLAYLIST [▲]/[▼] buttons (XX)**
This button lets you select a playlist on the iPod/iPhone.
- ⑮ **[▶]/[⏸] button (XX)**
This button starts playback on the iPod/iPhone. During playback, you can press this button to pause.
- ⑯ **[↶] button (XX)**
This button takes you back to the previous menu.
- ⑰ **[◀]/[▶] buttons**
When your iPod/iPhone is playing, these buttons select the previous or next song. When the radio is playing, these buttons select stations you've memorized.
- ⑱ **ENTER button (XX)**
Press this button to confirm a setting you've made in a menu, etc.
- ⑲ **MENU button (XX)**
This button accesses the menu. Press it once again to close the menu.
- ⑳ **[▲]/[▼] buttons (XX)**
When the menu is displayed, use these buttons to select a menu item.
- ㉑ **DIMMER button (XX)**
This button switches the brightness of the downlight.

Connections

Before you make connections

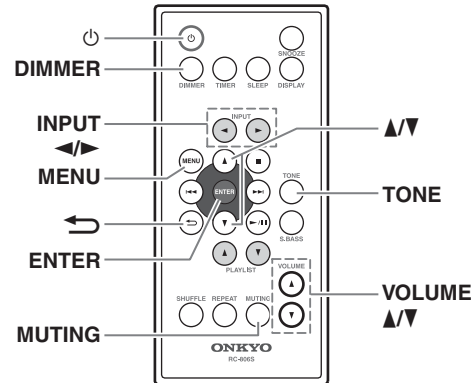
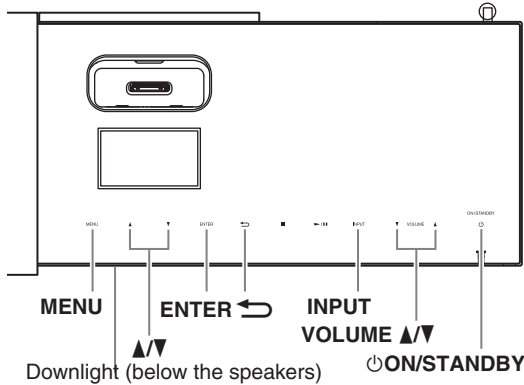
- This illustration is only one example. The connection method is the same even if you're using other devices. Be sure to also read the owner's manual of the device you're connecting.
- Don't connect the AC adapter until you've finished making all connections.



Caution

- Don't use connection cables that contain a built-in resistor.
- If you connect the earphone jack of another device to the ABX-N300, you must first adjust the volume of the connected device.

Basic Operation



Turning On the ABX-N300

To turn on the ABX-N300, press the [ON/STANDBY] button on the ABX-N300 or remote controller.

Press the [ON/STANDBY] button again to set the ABX-N300 to Standby.

If an iPod/iPhone is connected to the ABX-N300, the iPod/iPhone will be charged.

Selecting the Input Source

Press the [INPUT] button of the ABX-N300 or the remote controller to switch the input.

You can choose from iRadio, Media Server, iPod/iPhone, or LINE (the connected external device). Each time you press the INPUT button, the input will cycle through the following choices.

Adjusting the Volume

Press the VOLUME Up [▲] button to increase the volume or the VOLUME Down [▼] button to decrease it. You can also use the remote controller's VOLUME [▲]/[▼] buttons.

You can adjust the volume in the range of Min, 1–49, Max.

Muting the ABX-N300 (remote controller only)

To mute the ABX-N300, press the remote controller's [MUTING] button.

“Muting” appears on the display for a few seconds.

To unmute the ABX-N300, press the [MUTING] button again.

Tips:

While the ABX-N300 is muted:

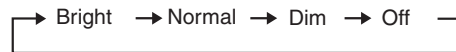
- Press the VOLUME [▲]/[▼] buttons on the ABX-N300 or pressing the VOLUME [▲]/[▼] buttons on the remote controller will unmute the ABX-N300.
- If you turn the ABX-N300 off, the next time you turn it on, the ABX-N300 will be unmuted.

Changing the Downlight Brightness (remote controller only)

You can adjust the brightness of the downlight.

Press the remote controller's [DIMMER] button.

Each time you press the button, the brightness will cycle through the following settings.



Adjusting the Bass and Treble

- 1 Press the [TONE] button to make the display indicate “Tone Control.”**
- 2 Use the [▲]/[▼] buttons to adjust the value.**
You can adjust the value in the range of –3 to +3.
- 3 Press the [ENTER] button.**
The value of the Treble setting will blink.
- 4 Use the [▲]/[▼] buttons to adjust the value.**
- 5 Press the [ENTER] button.**
The original display will reappear.

Note:

- If you press no buttons for eight seconds, the previous display will appear automatically.

Basic Operation—Continued

Using Super Bass (remote controller only)

To turn on Super Bass, press the [S.BASS] button.
The “S.BASS” indication appears on the display.



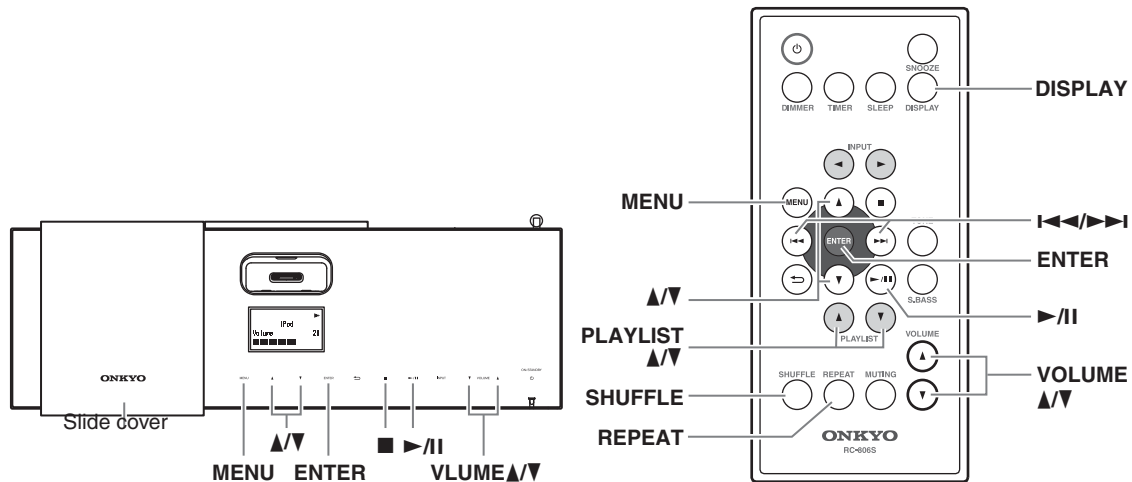
S.BASS

The strength of the ultra-low range will change each time you press the [S.BASS] button.
The “S.BASS” indication will disappear when this setting is off.



→ on → off

Playing Your iPod/iPhone

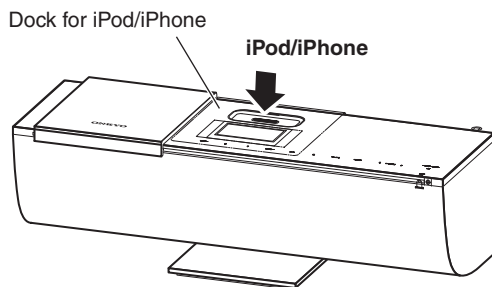


Notes:

- Before using your iPod/iPhone with the ABX-N300, be sure to update your iPod/iPhone with the latest software, available from the Apple website.
- If you leave your iPod/iPhone paused when using it on its own, eventually it will go into hibernation. If you insert it into the ABX-N300 dock in this state, you'll need to wait a few moments before your iPod/iPhone is ready for use.
- Always remove your iPod/iPhone before moving the ABX-N300.
- Depending on your iPod/iPhone, or the type of content being played, some functions may not work as expected.

1 Move the slide cover to the left.

2 Insert your iPod/iPhone into the ABX-N300's iPod/iPhone Dock.



Insert your iPod/iPhone securely into the ABX-N300's dock.

Notes:

- The appropriate model of dock adapter must be installed in the ABX-N300's iPod/iPhone dock (see page 7).
- To prevent damage to the dock connector, do not twist or force your iPod/iPhone into the dock, and be careful not to wiggle your iPod/iPhone while inserting it.

- If you use a case with your iPod/iPhone, always remove it before you insert it. Otherwise, it may not connect properly and a malfunction may occur.
- Do not close the slider cover while an iPod/iPhone is inserted. We recommend that you leave the slide cover closed when not using the ABX-N300.
- Do not use with any iPod/iPhone accessories, such as FM transmitters and microphones, as they may cause a malfunction.

3 Press the Play/Pause [▶/||] button.

Playback starts.

Note:

- The volume level is adjusted by using the VOLUME [▼]/[▲] buttons on the ABX-N300 or its remote controller. Adjusting the volume on your iPod/iPhone has no effect.

Pausing Playback

To pause playback, press the [▶/||] button.

Press the button once again to resume playback from where you paused.

You can also pause playback by pressing the [■] (stop) button.

Selecting Songs (remote controller only)

To return to the beginning of the track that's currently playing or paused, press the Previous [◀◀] button.

Press the Previous [◀◀] button repeatedly to select earlier songs.

Press the Next [▶▶] button repeatedly to select subsequent songs.

Fast Forward and Fast Reverse (remote controller only)

To fast forward or fast reverse during playback or while playback is paused, press and hold down the Next [▶▶] or Previous [◀◀] button, respectively.

Playing Your iPod/iPhone—Continued

Navigating the iPod/iPhone Menus

- 1 Press the [MENU] button on the ABX-N300 or the remote controller to display the menu on the iPod/iPhone.**
- 2 Use the [▲]/[▼] buttons to select an item on the menu, and then press [ENTER].**

Select playlists (remote controller only)


During playlist playback, press the PLAYLIST [▲] button to select the previous playlist; press the PLAYLIST [▼] button to select the next playlist.

Caution

If you're unable to select a playlist, play back any playlist on your iPod/iPhone, and then use the PLAYLIST [▲]/[▼] buttons.

Random Playback (remote controller only)

With random playback, the songs on the iPod/iPhone are played in random order.

- 1 Press the [SHUFFLE] button.**
The  symbol will appear in the screen of the iPod/iPhone.
- 2 To start random playback, press the Play [▶/II] button.**



Cancelling Random Playback

To cancel random playback, press the [SHUFFLE] button.



The  symbol will disappear from the screen of the iPod/iPhone.

Repeat Playback (remote controller only)

If you press the [REPEAT] button, the song on the iPod/iPhone will play repeatedly. The type of repeat playback will change as follows each time you press the [REPEAT] button.

-  : Repeat one song
-  : Repeat all songs

Cancelling Repeat Playback

Press the [REPEAT] button several times until the  or  symbol disappears from the screen of the iPod/iPhone.

Using the AirPlay

With this unit, you can enjoy the music of iOS-based devices or iTunes music library using Apple Inc.'s AirPlay.

Note:

To use AirPlay, you will need one of the following equipments.

- iPad, iPhone, iPod touch with iOS 4.2 or greater.
- A personal computer with iTunes 10 (or greater) installed.

Tip:

For optimal performance, we recommend you always use the latest version of iOS and iTunes.

For details on AirPlay or how to obtain the latest version for your software, please visit Apple web site.



AirPlay, the AirPlay logo, iPad, iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

Note:

- In order to using the AirPlay, the ABX-N300 must be connected to a network. For details on connecting to a network, refer to "Network Settings" (see page XX).

Playing Your iPod/iPhone—Continued

Playback

Follow the procedure below to play back.

1 Use the ABX-N300's [INPUT] button to select "AirPlay".

2 Tap the [📱] displayed on the screen of iTunes or on your iPad/iPhone/iPod touch device.

Select "ONKYO ABX-N300 ***** (default name)" from the list displayed.

3 Select a song to play back.

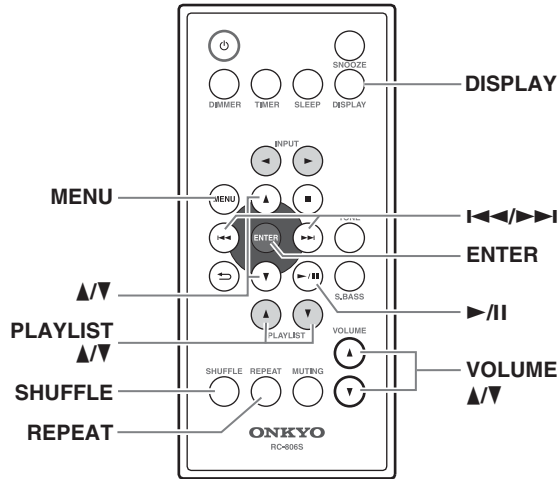
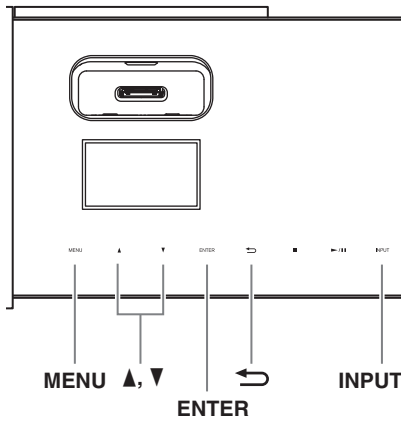
Tips:

- During AirPlay, press **DISPLAY** to switch between song informations.
- When iTunes or your iPad/iPhone/iPod touch device is not detected (no connection via AirPlay), "**No Source**" is displayed on the Tuner.
- For detailed information on iTunes, see the Help section of iTunes.

Listening to Internet Radio

You can listen to radio broadcasts that are being distributed via the Internet. The ABX-N300 supports the following Internet radio services.

- vTuner Internet radio with OEM branded portal



Caution

- In order to listen to Internet radio, the ABX-N300 must be connected to a network. For details on connecting to a network, refer to “Network Settings” (see page 27).

Receiving a broadcast

1 Select “Internet Radio” as the input.

Use the ABX-N300’s INPUT button or the remote controller’s INPUT [◀]/[▶] buttons to select “Internet Radio.”

A list of Internet radio stations will be automatically loaded from the vTuner radio station database service.



2 Use the [▲]/[▼] buttons to select “Location,” and press the [ENTER] button.

3 Use the [▲]/[▼] buttons to select “Asia,” and press the [ENTER] button.

4 Use the [▲]/[▼] buttons to select “Japan,” and press the [ENTER] button.



5 Use the [▲]/[▼] buttons to select the genre that you want to hear, and press the [ENTER] button.

If you don’t want to choose a genre, leave “All Stations” selected and simply press the [ENTER] button.

6 Use the [▲]/[▼] buttons to select a station, and press the [ENTER] button.

The ABX-N300 will automatically connect to the station, data will be loaded, and playback will begin.

If the station is not broadcasting, the broadcast station that follows the selected station will automatically be received.

Tip:

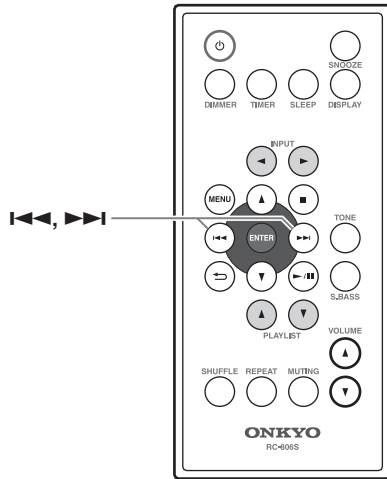
While selecting a station, you can press the [↶] button to return to the previous screen.

Note:

- Pause function cannot be used during playback.

Listening to Internet Radio—Continued

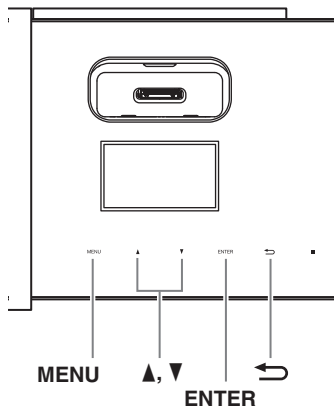
Switching to the previous or next station



Press the remote controller's [◀▶] or [▶▶] button. The [◀▶] button switches to the previous station, and the [▶▶] button switches to the next station.

Storing a station (Preset)

You can store up to twenty favorite stations as presets.



1 Receive the station that you want to store.

As described on page 18, receive the station that you want to store.

2 Press the MENU button.

The preset number will be displayed.

```
Add Preset   No10
>FM Palulun76.2FM
```

3 Use the [▲]/[▼] buttons to select the preset number in which you want to store the station.

4 Press the ENTER button.

```
Add Preset   No1
Are sure Write? Y/N
```

5 To store the station, press the ENTER button.

If you decide to change the preset number in which to store the station, press the [↶] button to return to step 3.

When the preset has been stored, the following display will appear.

```
Add Preset   No1
Writing No.1...
```

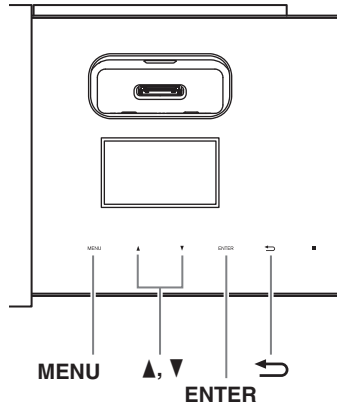
Listening to Internet Radio—Continued

Listening to a preset station You must first store a broadcast station (see pages 21 and 22).

Tentative

Playing Music Files from a Network Server or Computer

You can use the ABX-N300 to play back music files located on a media server or computer on your home network.

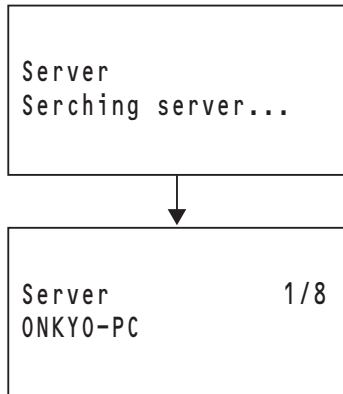


Caution

- The ABX-N300 must be connected to the network in order to listen to music from a server or computer. For more about connecting to a network, refer to “Network Settings” on page 27.
- The server or computer containing the music files you wish to hear must be powered-on.

1 Select “Server” as the input.

Use the [INPUT] button to select “Server.” The names of the servers on the network will automatically be displayed.

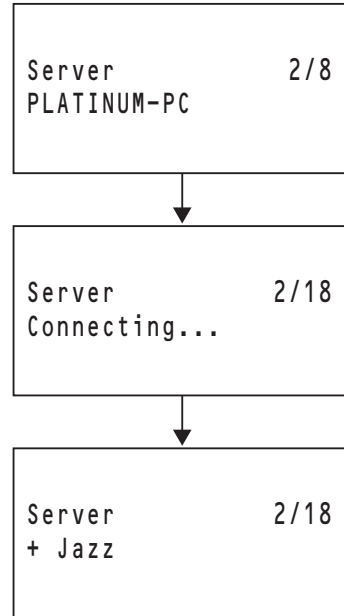


2 If there is more than one server, choose the desired server.

Use the [▲]/[▼] buttons to choose the server that you want to hear. The ABX-N300 will automatically connected to the server, and the folder names will be displayed. If there is only server, simply proceed to step 3.

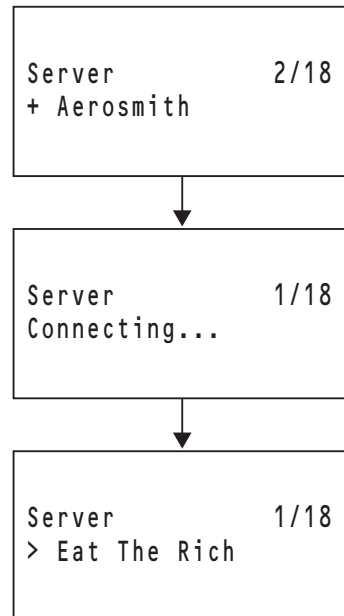
3 Press the ENTER button.

The ABX-N300 will connect to the server, and the folder names will be displayed.



4 Select the file that you want to play.

Use the [▲]/[▼] buttons to select the song that you want to hear.



Playing Music Files from a Network Server or Computer—Continued

5 Press the [ENTER] button.

The data will be loaded, and then playback will begin.

Server	1/18
Play	00:00:00

Hint:

While selecting a song, you can press the [↩] button to return to the previous screen.

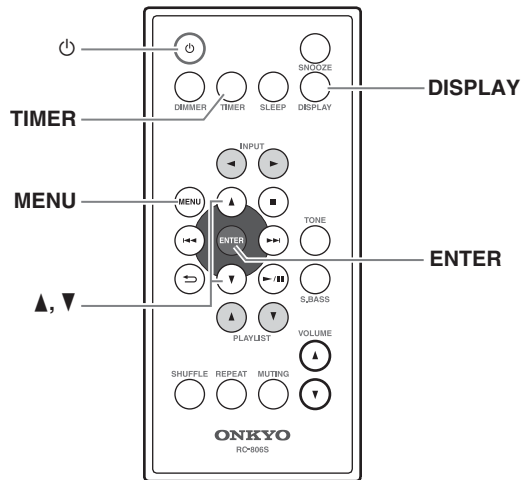
Selecting the song you want to hear

During playback, pressing the remote controller's [⏮] button once will return you to the beginning of the current song, and pressing it again will step backward one song at a time. Pressing the [⏭] button will move forward one song at a time.

Rewinding or fast-forwarding

During playback, hold down the remote controller's [⏮] or [⏭] button, and release it at the location that you want to hear.

Setting the Clock (by remote controller only)

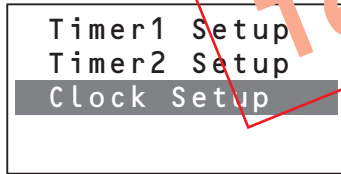


Note:

- Clock settings can be made only while the ABX-N300 is in standby mode. If the ABX-N300 is powered-on, press the [⏻] button to put the unit in standby mode.

1 Press the [TIMER] button.

2 Use the [▲]/[▼] buttons to select "Clock Setup".



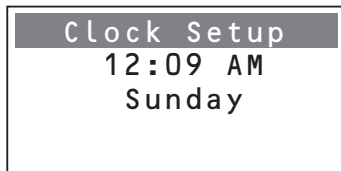
3 Press the [ENTER] button.

4 Use the [▲]/[▼] buttons to enter the current time.

Hold down the buttons to change the value quickly.

Tip:

- To change the time format between 12-hour and 24-hour, press the [DISPLAY] button.



5 Press the [ENTER] button.

A pixel in the lower right will blink to indicate that the clock has started.

6 Use the [▲]/[▼] buttons to select the day of the week.

7 Press the [ENTER] button.



Tip:

- If you press the Display button while in standby mode, the time and date will be displayed for eight seconds.

Using the Timers (by remote controller only)

The ABX-N300 has three timers: two programmable timers for automated playback, and a sleep timer for turning the ABX-N300 off after a specified period.

About the Timers

The various settings for the two programmable timers are explained here. For details on the sleep timer, see page 26.

Repeat Timers

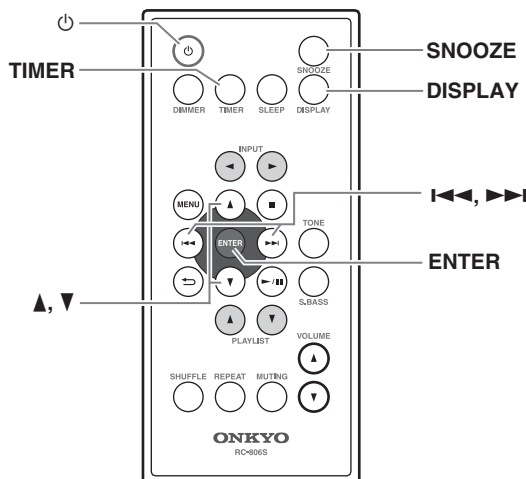
Each timer can be programmed to operate every week or every day.

- **Every**
The timer will operate every week on the specified day and time.
- **Everyday**
The timer will operate every day at the specified time.

Programming the Timers

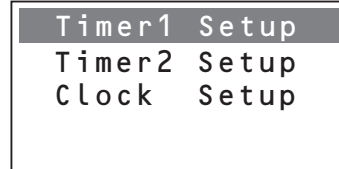
Notes:

- You must set the clock before you can program the timers.
- If you don't operate any buttons for one minute while programming a timer, the procedure will be cancelled and the previous display will reappear.
- Timer settings can be made only while the ABX-N300 is in standby mode. If the ABX-N300 is powered-on, press the [⏻] button to put the unit in standby mode.
- Connect your iPod/iPhone to the iPod Dock, and make it ready for playback.



1 Press the [TIMER] button.

2 Use the [▲]/[▼] buttons to select “Timer1 Setup” or “Timer2 Setup”.

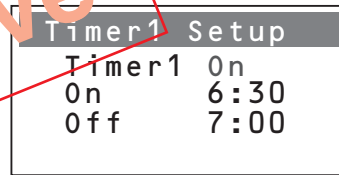


3 Press the [ENTER] button.

4 Use the [▲]/[▼] buttons to select “Timer1 On” or “Timer2 On”, and then press the [ENTER] button.

5 Use the [▲]/[▼] buttons to specify the On time, and then press the [ENTER] button.

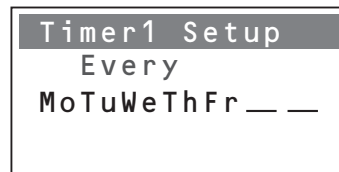
6 Use the [▲]/[▼] buttons to specify the Off time, and then press the [ENTER] button.



7 Use the [▲]/[▼] buttons to select “Everyday” or “Every”, and then press the [ENTER] button.

If you selected “Everyday”, proceed to step 9.

8 If you selected “Every”, use the [◀◀]/[▶▶] buttons to select the day of the week on which you don't want timer playback to occur; then use the [▲]/[▼] buttons to make the underline character appear in place of that day of the week, and then press the [ENTER] button.



Using the Timers (by remote controller only)—Continued

9 Use the [▲]/[▼] buttons to specify the ABX-N300's volume level, and then press the [ENTER] button.

The timer symbol and number will appear in the upper right of the display; this display will disappear after a few seconds.



Tip:

- You can check the setting by pressing the [TIMER] button and then pressing [ENTER] repeatedly.

Turning Timers On and Off

- Press the [TIMER] button.
- Use the [▲]/[▼] buttons to select “Timer1 Setup” or “Timer2 Setup”, and then press the [ENTER] button.
- Use the [▲]/[▼] buttons to select “On” or “Off”, and then press the [ENTER] button.
- Press the [TIMER] button.
The previous display reappears.

Using the Snooze Function

When timer playback is operating, the ABX-N300 provides a snooze feature that temporarily silences the song playback and sounds the song playback again after five minutes.

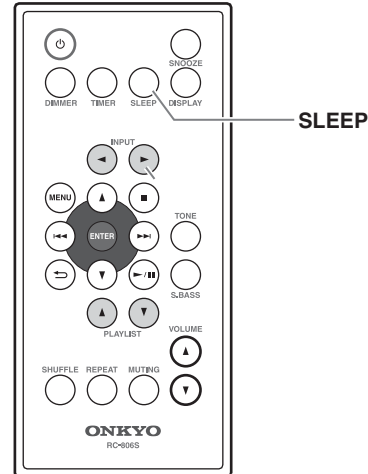
Enabling the snooze feature

When the timer has started song playback on the ABX-N300, you can press the [SNOOZE] button to use the snooze feature.

After five minutes, the snooze feature sounds the song playback again.

Using the Sleep Timer

With the sleep timer, you can set the ABX-N300 so that it automatically turns off after a specified period.



Press the [SLEEP] button repeatedly to select the required sleep time.

With the [SLEEP] button, you can set the sleep time from 90 to 10 minutes in 10 minute steps.

When the sleep timer has been set, “Sleep 90” appears on the display. The sleep time appears on the display for about eight seconds, then the sleep time display disappears.

The display will indicate [SLEEP] while the sleep timer is operating.

Checking the Remaining Sleep Time

To check the remaining sleep time, press the [SLEEP] button.

Note that if you press the [SLEEP] button while the sleep time is being displayed, you'll shorten the sleep time by 10 minutes.

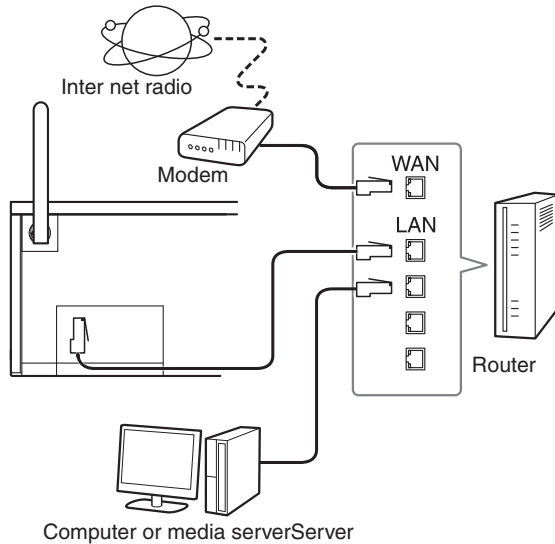
Canceling the Sleep Timer

To cancel the sleep timer, press the [SLEEP] button repeatedly until “Sleep Off” appears.

Network Setup

Connecting to the Network

The following diagram shows how you can connect the tuner to your home network. In this example, it's connected to a LAN port on a router, which has a 4-port 100 Base-TX switch built-in.



Internet Access (for Internet radio)

To receive Internet radio, your Ethernet network must have Internet access. A narrowband Internet connection (e.g., 56 K modem, ISDN) will not provide satisfactory results, so a broadband connection is strongly recommended (e.g., cable modem, xDSL modem, etc). Please consult your ISP or computer dealer if you're unsure.

Notes:

- To receive Internet radio with the tuner, your broadband Internet connection must be working and able to access the Web. Consult your ISP if you have any problems with your Internet connection.
- The tuner uses DHCP to configure its network settings automatically. If you want to configure these settings manually, see "Network Setup" (page XX).
- The tuner does not support PPPoE settings, so if you have a PPPoE-type Internet connection, you must use a PPPoE-compatible router.
- Depending on your ISP, you may need to specify a proxy server to use Internet radio. If your computer is configured to use a proxy server, use the same settings for the tuner (page XX).

Network Requirements

Ethernet Network

For the best results, a 100 Base-TX switched Ethernet network is recommended. Although it's possible to play music on a computer that's connected to the network wirelessly, playback may be unreliable, so it is recommended to use wired connections.

Ethernet Router

A router manages the network, data-routing and supplying of IP addresses. Your router must support the following:

- NAT (Network Address Translation). NAT allows several networked computers to access the Internet simultaneously via a single Internet connection. The tuner needs Internet access for Internet radio.
- DHCP (Dynamic Host Configuration Protocol). DHCP supplies IP addresses to the network devices, allowing them to configure themselves automatically.
- A router with a built-in 100 Base-TX switch is recommended.

Some routers have a built-in modem, and some ISPs require you to use specific routers. Please consult your ISP or computer dealer if you're unsure.

CAT5 Ethernet cable

Use a shielded CAT5 Ethernet cable (straight-type) to connect the tuner to your home network.

Connecting via a wired LAN

- 1 Disconnect the AC adapter, connect the Ethernet cable, wait ten seconds, and then reconnect the AC adapter.**
- 2 Press the remote controller's [MENU] button, select "Standby Mode," and then press [ENTER].**
- 3 Choose "Network Mode" and press [ENTER]. (The orange LED will light.)**
- 4 Press [MENU], select "Network Setup," and press [ENTER].**
The display will indicate "initializing..."; please wait.
- 5 Select "Ethernet" and press [ENTER].**
- 6 Choose DHCP "Enable" and press [ENTER].**

Tip:

You can also specify the IP address and other settings manually. In this case, choose "Disable" in step 6 above, then press [ENTER], and make the following settings.

Network Setup—Continued

IP Address

Class A: “10.0.0.0” to “10.255.255.255”

Class B: “172.16.0.0” to “172.31.255.255”

Class C: “192.168.0.0” to “192.168.255.255”

Enter a static IP address provided by your ISP. Most routers use Class C IP addresses.

Subnet Mask

Enter the subnet mask address provided by your ISP (typically 255.255.255.0).

Gateway

Enter the gateway address provided by your ISP.

DNS Server

Enter a DNS server address provided by your ISP.

Proxy URL

To use a Web proxy, enter its URL here.

Proxy Port

If you're using a Web proxy, enter a proxy port number here.

[▲]/[▼]: Switch between character groups (uppercase/lowercase/numerals and symbols)

[↩]: Backspace

[ENTER]: long press: Confirm the passcode

9 Hold down [ENTER] for three seconds.

The passcode will be confirmed. This completes the setup.

Tip:

If a connection is not established even though you've waited three minutes or longer, it may be that the passcode was incorrect. In this case, try making the settings once again from the beginning.

However, if you have made the settings several times without success, disconnect the AC adaptor, wait at least ten seconds before reconnecting it, and then try making the settings again.

To access the Web Setup screen

1 Put the ABX-N300 in Standby mode (the orange LED will be lit).

If the orange LED does not light, perform steps **2** and **3** above.

2 Press [MENU], choose “Network Info,” and press [ENTER].

The ABX-N300's IP address will be displayed.

3 Start up a browser on a computer that's connected to the same network, and enter the IP address of step **2** into the URL field of your browser to access it.

The Web Setup Menu screen will appear. Here you can edit the ABX-N300's name that is shown when using AirPlay, or update the firmware.

Caution:

- A router (access point) is required.
- Your iPhone and the ABX-N300 must be connected to the same network within the router. Also when using AirPlay with iTunes, that computer must be connected to the same network.

Connecting via wireless LAN

1 Disconnect the AC adapter and disconnect the Ethernet cable. Then raise the wireless LAN antenna, wait ten seconds, and reconnect the AC adapter.

2 Press the remote controller's [MENU] button, select “Standby Mode,” and press [ENTER].

3 Select “Network Mode” and press [ENTER]. (The orange LED will light.)

4 Press [MENU], select “Network Setup,” and press [ENTER].

Wait while the display indicates “initializing...”

5 Select “Wireless” and press [ENTER].

The ABX-N300 will search for access points.

6 Choose the access point that you want to use, and press [ENTER].

7 Choose the security method for that access point, and press [ENTER].

8 Use the following buttons to enter the passcode.

[◀]/[▶]: Move the cursor left/right

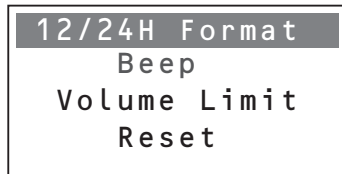
[ENTER]: Enter one character

About Internet Radio and Media Servers

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Other Settings (Reset Procedure)

When the ABX-N300 is in Standby mode, pressing the remote's [MENU] button will display the following items.



The available settings for each item are shown below. (The default setting is underlined.)

"12/24H Format" 12H ↔ 24H

Switches the time format between 12-hour and 24-hour. On models for the North American market, the default setting is "12H"; for other models, the default setting is "24H."

"Beep" On ↔ Off

Switches on/off the beep tone that sounds when you press a button on the top panel of the ABX-N300.

"Volume Limit" 10 ↔ 40

Specifies the maximum volume in the range of 10–40. The default setting is 40.

"Reset" Cancel ↔ OK

If you select OK and then press the [ENTER] button, the ABX-N300 will be reset to its factory-set state.

1 Use the [▲]/[▼] buttons to select a menu item, and then press the [ENTER] button.

2 Use the [▲]/[▼] buttons to change the setting.

3 Press the [ENTER] button to finalize the change, and exit the menu.

Note:

- During this procedure, you can press the [MENU] button to exit the settings.

Troubleshooting

If you experience any problem while using the ABX-N300, look for a solution in this section.

If you can't resolve the issue yourself, try resetting the ABX-N300 before contacting your Onkyo dealer. Reset the ABX-N300 as described in the "Reset" section of "Other Settings" (this page). Note that resetting the ABX-N300 will delete your custom settings.

Power

Can't turn on the ABX-N300.

- Make sure that the AC adapter is properly plugged into the wall outlet, and that the DC IN connection has been made correctly (see page 7).
- Unplug the AC adapter from the wall outlet, wait 10 seconds or more, then plug it in again.

The ABX-N300 turns off unexpectedly.

- If the sleep timer has been set and the SLEEP indicator is shown on the display, the ABX-N300 will turn off automatically after a specified period (see page 13).
- When timed playback finishes, the ABX-N300 automatically switches to Standby mode (see page 12).

Audio

There's no sound.

- Make sure the ABX-N300's volume is not set too low (see page 7).
- Make sure the correct input source is selected (see page 7).
- Make sure the ABX-N300 is not muted (see page 8).
- Check all connections and correct as necessary (see page 7).

The sound quality is not good.

- The sound quality can be affected by strong magnetic fields, such as that from a TV. Try moving any such devices away from the ABX-N300.
- If you have any devices that emit high-intensity radio waves near the ABX-N300, such as a cellular phone that's being used to make a call, the ABX-N300 may output noise.

Audio output is intermittent when the ABX-N300 is subjected to vibration.

The ABX-N300 is not a portable device. Use it in a location that's not subject to shock or vibration.

Troubleshooting—Continued

iPod/iPhone

There's no sound.

- Make sure your iPod/iPhone is properly seated in the ABX-N300's iPod dock. Even very thin iPod/iPhone cases can prevent the iPod/iPhone from seating properly on the dock connector, so always remove any case before inserting your iPod/iPhone (see page 7).
- Make sure the ABX-N300 is turned on, the input source is set to iPod, and the volume is not set too low.
- Make sure that your iPod/iPhone is compatible with the system (see page 4).

Can't control your iPod with the ABX-N300's remote controller.

- Make sure your iPod/iPhone is properly seated in the ABX-N300's iPod dock. Even very thin iPod/iPhone cases can prevent the iPod/iPhone from seating properly on the dock connector, so always remove any case before inserting your iPod/iPhone (see page 7).
- You may not be able to control your iPod/iPhone immediately after inserting it into the ABX-N300's iPod dock. In this case, wait a few moments until your iPod/iPhone wakes up.
- Depending on your iPod/iPhone model, its software version, or the content you're playing, some functions may not work as expected (see page 9).
- If your iPod/iPhone does not work, remove it, wait a few moments, and then connect it again.
- Check whether there might be a problem with your iPod/iPhone. For an iPod touch or iPhone, make sure that the app is working correctly.

Remote Controller

The remote controller doesn't work properly.

- Replace the battery with a new one.
- The remote controller is too far away from the ABX-N300, or there's an obstacle between them (see page 5).
- The ABX-N300's remote control sensor is being subjected to bright light (inverter-type fluorescent light or sunlight).

External Components

No sound is heard from your turntable.

- Make sure the turntable has a built-in phono equalizer. If the turntable doesn't have a phono equalizer built-in, you must provide one.

Timers

The timers don't work.

- Make sure the clock has been set correctly (see page 11).
- Timed operation will fail if the ABX-N300 is already on at the specified On time, so make sure it's set to Standby (see page 11).
- The timer may overlap with another timer. If you program two timers, make sure they don't overlap.
- If you press the [SLEEP] or [TIMER] button while a timed operation is in progress, the timer will be cancelled and the ABX-N300 won't turn off at the specified Off time (see page 12).
- Make sure the timer is set to suitable volume setting (see page 11).

Clock

The clock displays "--:--"

- A power outage has occurred and the time setting is lost. Set the clock again (see page 11). The timers will all be set to Timer Off, so you'll need to turn on any necessary timers (see page 12). The timer settings will be preserved.

The ABX-N300 contains a microcomputer. In very rare situations, severe interference, noise from an external source, or static electricity may cause it to malfunction or lockup. In the unlikely event that this should happen, unplug the AC adapter, wait at least 10 seconds, and then plug it back in again. If this doesn't resolve the issue, reset the ABX-N300 to its factory defaults (see page 30).

Specifications

■ General

Power Supply	AC adapter (DC IN 16 V, 3 A)
Power Consumption	18 W
No-sound Power Consumption	3.9 W
Stand-by Power Consumption	0.5 W (when not charging iPod/iPhone)
Dimensions (W × H × D)	430 × 131 × 143 mm (16-15/16 × 5-3/16 × 5-5/8 inches)
Weight	2.4 kg (5.3 lbs.)
Analog Input	LINE

■ Amplifier

Power Output	2ch × 10 W (6 Ω, 1 kHz, 1% THD)
Total Harmonic Distortion+N	1 %
Input Sensitivity and Impedance	1000 mV/ 15.6 kΩ
Frequency Response	40 Hz–20 kHz
Tone Control Characteristics	+3 dB, –3 dB, 100 Hz (BASS) +3 dB, –3 dB, 10 kHz (TREBLE) +3 dB, 80 Hz (S.BASS)
Signal to Noise Ratio	70 dB (LINE, IHF-A)

■ Speakers

Type	Full-Range bass reflex
Unit	6.4 cm (2-1/2") cone (magnetically shielded)

Specifications and features are subject to change without notice.

Tentative

MEMO

MEMO

MEMO

ONKYO

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