

DENON

PROFESSIONAL

DN-200BR

User Guide	English (3 – 12)
Guía del usuario	Español (13 – 22)
Guide d'utilisation	Français (23 – 32)
Guida per l'uso	Italiano (33 – 42)
Benutzerhandbuch	Deutsch (43 – 52)
Appendix	English (53 – 58)

User Guide (English)

Introduction

DN-200BR is a Bluetooth® audio receiver with professional-grade audio outputs. It lets you add wireless stereo Bluetooth audio reception to any professional audio system. Once you pair your Bluetooth device to DN-200BR, you can send your device's audio signal out DN-200BR's balanced XLR or unbalanced 1/4" (6.35 mm) outputs to your mixer, loudspeakers, or amplification system.

Please see this guide's **Setup** chapter to learn how to integrate DN-200BR with your audio system, and then refer to the **Operation** chapter to start using DN-200BR.

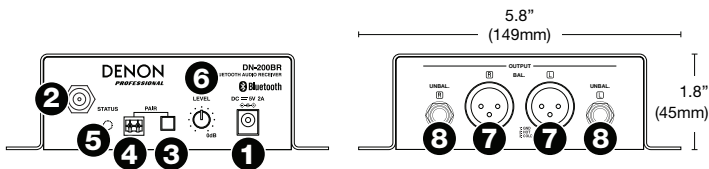
Box Contents

DN-200BR	Power Adapter
Removable Bluetooth Antenna	User Guide
2-Pin Euroblock Connector	Safety & Warranty Manual

Support

For the latest information about this product (system requirements, compatibility information, etc.) and product registration, visit denonpro.com.

Features



1. **Power Input:** Use the included power adapter to connect this input to a power outlet. See [Setup](#) for more information.
2. **BNC Antenna Terminal:** Connect the included **removable Bluetooth antenna** to this BNC connector. The antenna receives and transmits the Bluetooth signal from a paired Bluetooth device. DN-200BR has a range of up to 82 feet (25 meters).
3. **Pair Button:** Press and hold this button for **3** seconds to make DN-200BR available for pairing to a nearby Bluetooth device. See [Operation](#) for more information.
4. **Remote Pairing Connector:** Use the included 2-pin Euroblock connector to add a remote pairing button (not included) to this connector.

5. **Status Light:** This LED indicates the DN-200BR's Bluetooth pairing status:
- **Flashing slowly** (approximately twice every 2 seconds): DN-200BR is not paired to a Bluetooth device.
 - **Flashing quickly** (approximately twice per second): DN-200BR can be paired to a Bluetooth device.
 - **Solidly lit:** DN-200BR is paired to a Bluetooth device.

See **Operation** to learn how to pair/unpair a Bluetooth device to/from DN-200BR.

6. **Level Knob:** Turn this knob to adjust the output volume level (sent to the balanced and unbalanced outputs).
7. **Outputs (Balanced XLR):** These outputs send the audio from a paired Bluetooth device. Use XLR cables to connect these outputs to your loudspeakers, mixer, etc. See **Setup** for more information.
8. **Outputs (Unbalanced 1/4" / 6.35mm):** These outputs send the audio from a paired Bluetooth device. Use standard 1/4" (6.35mm) cables to connect these outputs to loudspeakers, mixer, etc. See **Setup** for more information.

Setup

Items not listed under [Introduction > Box Contents](#) are sold separately.

1. Use either XLR cables or 1/4" (6.35mm) cables to connect the DN-200BR's **outputs** (balanced or unbalanced) to your loudspeakers, mixer, amplifier, or other device that accepts line-level inputs (this device must be powered **off**).

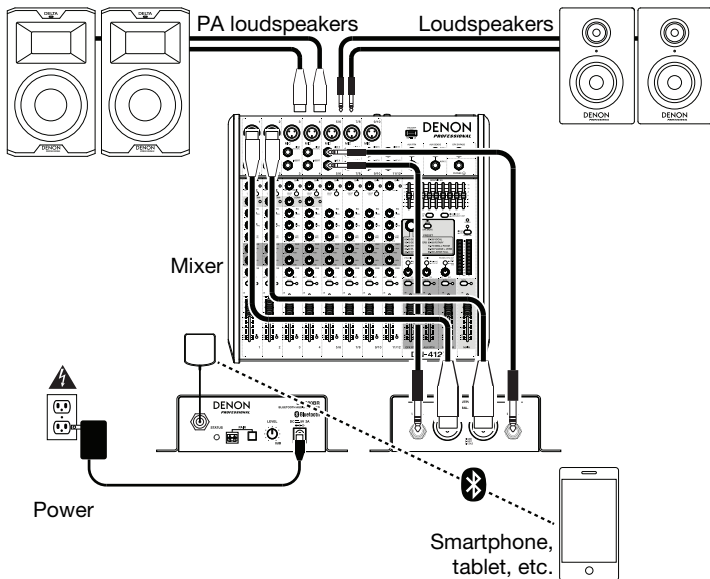
Important: For stereo operation, make sure all left (**L**) and right (**R**) outputs are connected to left and right inputs, respectively.

2. Use the included **power adapter** to connect DN-200BR's **power input** to your power source.

Important: Do not use DN-200BR near a microwave oven, which can interfere with the reception.

3. If you are using a mixer, make sure all of its connections are secure, and power it on.
4. Power on your loudspeakers **last**.

Example



Operation

You can play audio from an audio device that sends its signal over a Bluetooth connection (e.g., smartphones, tablet computers, etc.). DN-200BR uses Bluetooth CSR 4.0 and has a range of up to 82 feet (25 meters).

Once you “pair” your Bluetooth device with DN-200BR, they are “connected” wirelessly. You can play audio on your Bluetooth device, and it will be sent out of DN-200BR’s **outputs** (balanced and unbalanced).

Important:

- DN-200BR will not receive audio from a phone call. While using it, we recommend disabling your cellular connection, if possible.
- Do not use DN-200BR near a microwave oven, which can interfere with the reception.
- While DN-200BR is paired with a Bluetooth device, other Bluetooth devices cannot pair to it. You must unpair (“disconnect”) the current Bluetooth device from DN-200BR to make it available to others.

To pair your Bluetooth device to DN-200BR:

1. If DN-200BR is off, use the included **power adapter** to connect its **power input** to your power source. The **Status Light** will flash slowly.
2. Make sure your desired Bluetooth device has its Bluetooth connectivity on and is within range. DN-200BR will automatically try to pair with the last-paired Bluetooth device, if any.

If you are using that Bluetooth device again, you can start playing audio immediately.

If you want to use a different Bluetooth device, continue to **Step 3**.

3. Press and hold DN-200BR's **Pair** button for **3** seconds. When the **Status Light** starts flashing quickly, release the **Pair** button.
4. On your Bluetooth device, enter its Bluetooth settings menu, and select **DN-200BR**.

Note: (Some older Bluetooth devices may require you to enter a PIN. If this is the case, enter **0000** as the PIN.)

5. On your Bluetooth device, start playing audio.

To adjust your volume level, we recommend setting the volume control of each of your devices in the following order:

- i. your Bluetooth device
- ii. DN-200BR, using its **Level Knob**
- iii. your mixer, if any (its input channel level[s], then its main output level)
- iv. your loudspeakers

Set each volume level as high as possible without creating distortion or any “clipping” of the sound.

Important: DN-200BR will not receive audio from a phone call. While using it, we recommend disabling your cellular connection, if possible.

To unpair your Bluetooth device from DN-200BR, do one of the following:

- Enter your Bluetooth device’s Bluetooth settings menu, and disconnect from **DN-200BR**.
- Press and hold DN-200BR’s **Pair** button for **3** seconds, and then release it. DN-200BR will unpair from your Bluetooth device and be available to pair to another one.

Troubleshooting

If you encounter a problem, try doing these things first:

- Make sure all cables and other connected devices are properly and securely connected.
- Make sure you are using DN-200BR as described in this *User Guide*.
- Make sure your other devices or media are working properly.
- If you believe DN-200BR is not working properly, check the following table for your problem and solution.

Problem:	Solution:	Please see:
Power does not turn on.	Make sure DN-200BR's power input is properly connected to a power outlet using the included power adapter.	Setup
DN-200BR does not produce any sound, or the sound is distorted.	<p>Make sure all cable and device connections are secure and correct.</p> <p>Make sure none of the cables are damaged.</p> <p>Make sure the settings on your Bluetooth device, loudspeaker, mixer, etc. are correct.</p>	Setup

Problem:	Solution:	Please see:
<p>Audio from my Bluetooth device does not play through DN-200BR.</p>	<p>Make sure you have properly paired your Bluetooth device.</p> <p>Improve the Bluetooth signal reception by moving your Bluetooth device closer to DN-200BR. Also, remove obstacles (walls, furniture, etc.) so there is a clear line of sight between your Bluetooth device and DN-200BR.</p>	<p><i>Setup</i> and <i>Operation</i></p>
<p>Pairing my Bluetooth device to DN-200BR requires a PIN.</p>	<p>Enter 0000 as the PIN. (Some older Bluetooth devices may require you to enter a PIN.)</p>	<p><i>Operation</i></p>

Appendix (English)

Technical Specifications

All values are measured with a 1 KHz audio signal with **Level** knob at “unity” position. Specifications are subject to change without notice.

Bluetooth range is affected by walls, obstructions, and movement. For optimal performance, place the product in the center of the room so it is unobstructed by walls, furniture, etc.

Frequency Response	20 Hz – 20 KHz (± 1 dBu)	
Signal-to-Noise Ratio	≥ 75 dB	
THD	$\leq 0.01\%$	
Analog Output	Balanced (XLR)	+4 dBu (± 1 dB)
	Unbalanced (1/4" / 6.35mm)	-2 dBu (± 1 dB)

Bluetooth Specifications	Version	CSR 4.0
	Maximum Receiver Power	Class 2, 4 dBm
	Receiver Frequency	2.4 GHz – 2.480 GHz
	Receiver Range	Up to 82 ft. / 25 m
	Receiver Sensitivity	-80 dBm @ 0.1% BER
	Supported Profiles	AVCTP 1.0 AVRCP 1.0 GAVDP 1.2 AVDTP 1.0 A2DP 1.2 Hands-Free Profile (HFP) 1.5 Headset Profile (HSP) 1.1
	Supported Codec	SBC, MP3, AAC



Operation Temperature	41–95°F / 5–35°C
Power	Power Adapter: 5 V DC, 2 A, center-positive Input Voltage: 100–240 V AC, 50/60 Hz
Dimensions (width x depth x height)	5.8" x 4.6" x 1.8" 149 x 117 x 45 mm
Weight	1.3 lbs. 0.6 kg

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The *Bluetooth* word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Denon Professional is under license.

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FCC Information

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

Note: 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 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.

Warnings

This device complies with Industry Canada's licence-exempt RSSs 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.

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.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. 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 necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie II) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. Maintain a distance of at least 8 inches / 20 centimeters of separation between the transmitter's radiating structure(s) and your body or other people nearby.

Énoncé sur l'exposition au rayonnement de la FCC : Cet équipement est conforme aux limites d'exposition au rayonnement de fréquence radio de la FCC établies pour un environnement non contrôlé. Une distance d'au moins 20 centimètres doit être maintenue entre les éléments rayonnants de l'émetteur et le corps de l'utilisateur ou les personnes se trouvant à proximité.

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