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› NUROUM A15 Conference Speaker and Microphone User Manual

NUROUM NA-A15-Grey

NUROUM A15 Conference Speaker and Microphone User Manual

Model: NA-A15-Grey | Brand: NUROUM

PRODUCT OVERVIEW

The NUROUM A15 is a portable Bluetooth wireless speakerphone designed for clear and efficient communication in various settings, from individual home offices to large conference rooms. It features advanced audio processing technologies for superior sound quality and versatile connectivity options.



Image: The NUROUM A15 conference speaker and microphone, shown with its USB dongle, highlighting its compact and

portable design.

KEY FEATURES

- **360° Omnidirectional Mic & Daisy Chain:** Built with 4 professional-level microphones for 360-degree voice capture. Supports cascading of two A15 units for conferences with up to 20 participants.
- **Echo, Reverberation and Noise Cancellation:** Advanced algorithms suppress echo, reverberation, and ambient noise for crystal clear audio.
- **Full Duplex & Automatic Gain Control (AGC):** Allows multiple people to speak simultaneously without interruption. AGC automatically adjusts voice volume within 3m/10ft for consistent sound levels.
- **Easy Connectivity & Universal Compatibility:** Offers Bluetooth, USB wired, and USB dongle options. Compatible with most conferencing programs (Zoom, Teams, Google Meet, Webex) and operating systems (Windows, MacOS, Linux).
- **Portable & Fashionable Design:** 10-hour battery life, includes a carrying case for portability. Can also be used via USB cable when battery is low.

WHAT'S IN THE BOX

- 1 x A15 Speakerphone
- 1 x USB Dongle
- 1 x User Manual
- 1 x USB Cable
- 1 x Daisy Chain Cable

SETUP GUIDE

Connecting Your Speakerphone

The NUROUM A15 offers multiple ways to connect to your devices.

Bluetooth Connection

1. Power on the A15 speakerphone.
2. Activate Bluetooth on your device (smartphone, tablet, laptop).
3. Search for "NUROUM A15" in your device's Bluetooth settings and select to pair.
4. The speakerphone will indicate a successful connection.

USB Dongle Connection

1. Insert the provided USB dongle into an available USB-A or USB-C port on your computer.
2. Power on the A15 speakerphone.
3. The speakerphone will automatically connect to the dongle. This is a plug-and-play connection, typically requiring no additional drivers.

Wired USB Connection

1. Connect the A15 speakerphone to your computer using the provided USB cable (USB-A or USB-C port on the speakerphone).
2. The device will be recognized as an audio input/output device.

3. Select the NUROUM A15 as your preferred microphone and speaker in your computer's sound settings or conferencing application.

Simple and Instant Setup

Thanks to the flexible connectivity, just start a meeting immediately.



Image: Diagram illustrating wired USB connection to a laptop and wireless Bluetooth/USB dongle connection to a smartphone.

OPERATING INSTRUCTIONS

Basic Controls

The NUROUM A15 features intuitive controls on its top panel:

- (Power Button): Press and hold to power on/off.
- (Call Button): Press to answer or end a call.
- – (Volume Down): Decrease speaker volume.
- (Mute Microphone): Toggle microphone mute on/off.
- + (Volume Up): Increase speaker volume.
- 📶 (Bluetooth Button): Press to enter Bluetooth pairing mode.

Advanced Features

360° Omnidirectional Voice Pickup

The A15 is equipped with four built-in MEMS microphones that capture sound from all directions, ensuring every participant's voice is heard clearly within a 3-meter range.

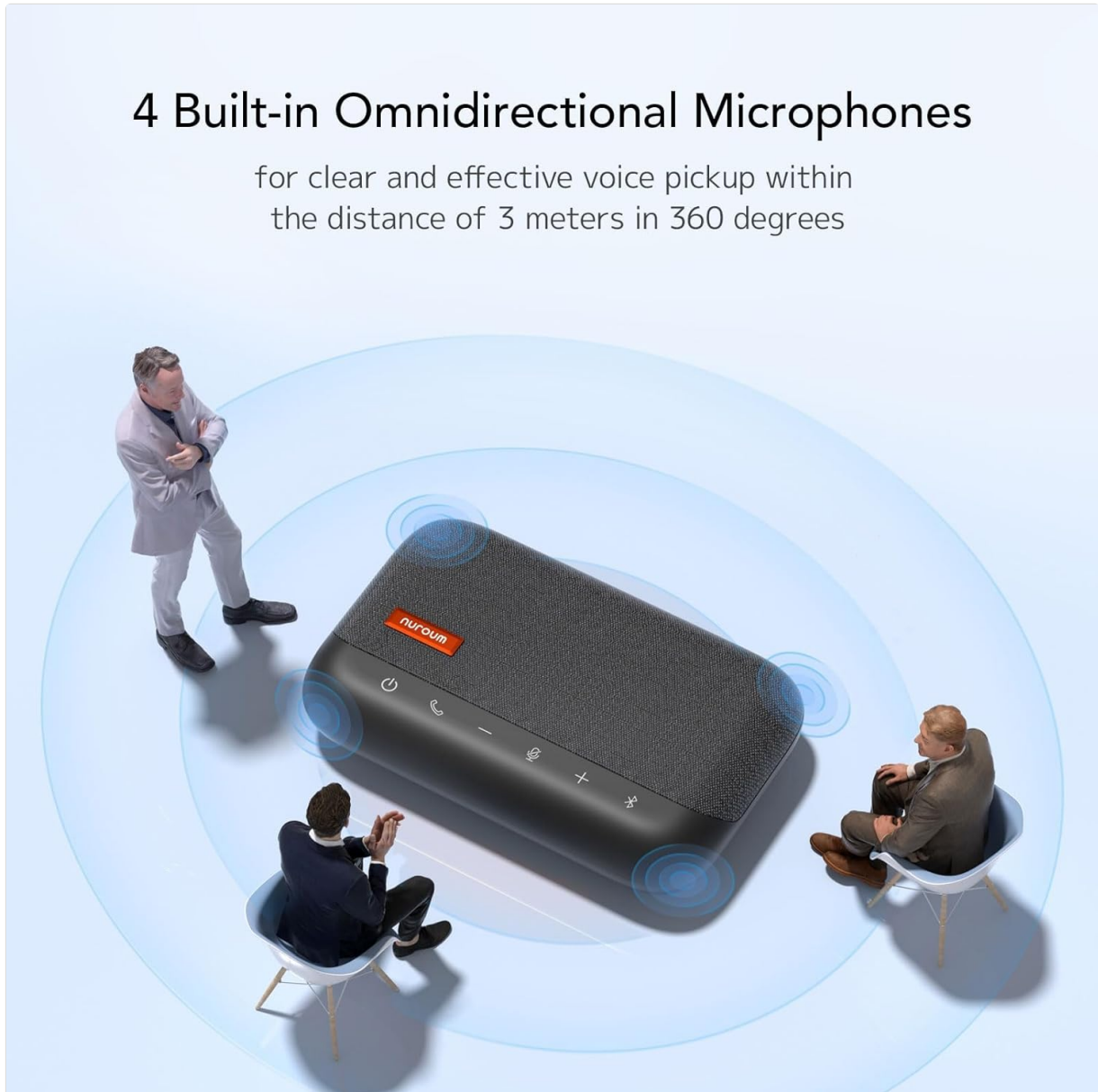


Image: Illustration showing the 360-degree voice pickup capability of the A15 speakerphone with four built-in omnidirectional microphones.

Daisy Chain Functionality

For larger meeting spaces or more participants, two A15 units can be cascaded together using the provided daisy chain cable. This expands the coverage area and microphone pickup range, supporting conferences with up to 20 participants.

2 Units Daisy Chain Expansion to Cover Larger Space

By cascading 2 A15 units, conferences with 15 participants can even be supported. Everyone, regardless of the distance, can hear and be heard clearly.

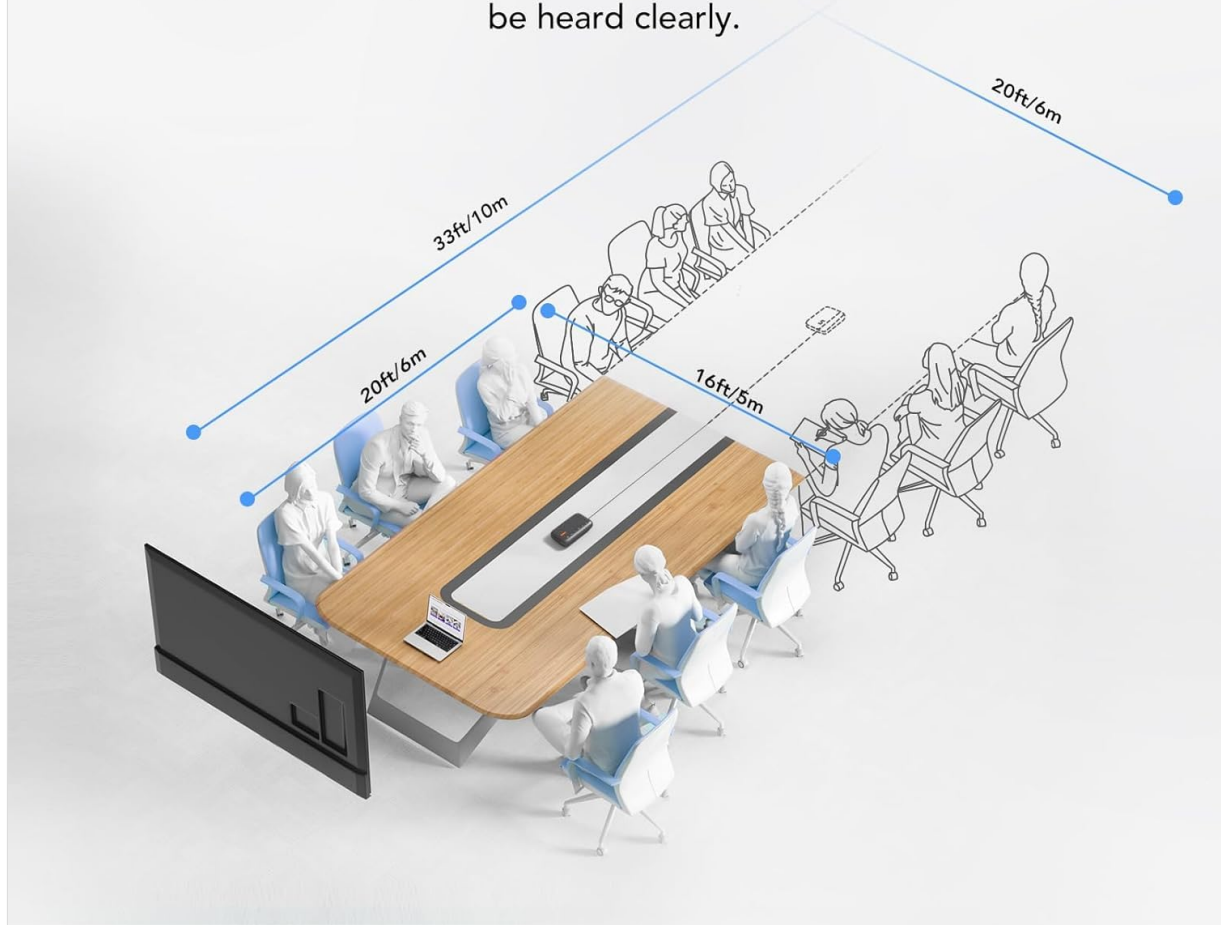


Image: Diagram illustrating two A15 units connected via daisy chain to cover a larger conference room, showing extended voice pickup range.

AI-Based Audio Processing

The A15 incorporates AI-based audio processing technology for enhanced clarity. This includes:

- **Echo Cancellation:** Eliminates echoes for natural conversations.
- **Reverberation Suppression:** Reduces room reverberation, making voices clearer.
- **Noise Cancellation:** Filters out distracting background noise.
- **Full Duplex:** Allows simultaneous speaking and listening without audio cutoff.
- **Automatic Gain Control (AGC):** Automatically balances the volume of voices within 3 meters (10 feet), ensuring consistent loudness regardless of speaker distance.

AI-Based Human Voice Enhancement

reduces ambient noise/echo/reverberation effectively



Noise
Suppression



Automatic
Gain Control



Full Duplex
Technology

Image: Graphic illustrating AI-based human voice enhancement features like noise suppression, automatic gain control, and full duplex technology.

Intelligent Automatic Gain Control Technology AGC

allows the voice to be captured in constant amplitude,
no matter where you sit or stand



Image: Illustration demonstrating Automatic Gain Control (AGC) balancing voice levels from speakers at different distances in a meeting room.

Charging and Power Bank Functionality

The A15 has a built-in battery providing up to 10 hours of use. It can be charged via the USB-C port. Additionally, it features a reverse charging port (USB-A) that can be used to charge other devices like smartphones.



Image: Detailed diagram of the NUROUM A15's ports, including Daisy-Chain Port, AUX Port, USB Audio and Charging Port, Reverse Charging Port, and Reset Hole.

Your browser does not support the video tag.

Video: An official product video demonstrating the features and usage of the Nuroum A15 Conference Speaker and Microphone, including its connectivity, audio processing, and portability.

MAINTENANCE AND CARE

- Keep the device clean by wiping it with a soft, dry cloth.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not use abrasive cleaners or solvents.
- Store the speakerphone in its carrying case when not in use to protect it from dust and scratches.

TROUBLESHOOTING

No Sound / Microphone Not Working

- Ensure the speakerphone is powered on and charged.
- Check that the correct audio input/output device (NUROUM A15) is selected in your computer's sound

settings or conferencing application.

- Verify that the microphone is not muted (check the mute button on the device).
- If using Bluetooth, ensure the device is paired and within range. Try re-pairing.
- If using USB, try a different USB port or cable.

Poor Audio Quality

- Ensure the speakerphone is placed on a stable surface and not obstructed.
- Reduce background noise in the environment.
- Check your internet connection if using for online conferences.
- Ensure the device firmware is up to date (check manufacturer's website for updates).

Device Not Charging

- Ensure the charging cable is securely connected to the correct charging port (USB-C).
- Try a different USB charger or port.
- Confirm the power source is active.

Daisy Chain Not Working

- Ensure both A15 units are powered on.
- Verify the daisy chain cable is securely connected to the correct ports on both units.
- Only two units can be daisy-chained.

Resetting the Device

If the device is unresponsive, locate the reset hole (as shown in the ports diagram) and gently insert a paperclip to press the reset button. This will restore factory settings.

SPECIFICATIONS

Feature	Detail
Model Name	NA-A15-Grey
Speaker Type	Surround Sound
Speaker Maximum Output Power	3 Watts
Number of Microphones	4
Connectivity Technology	Bluetooth, Dongle Adapter, USB
Wireless Communication Technology	Bluetooth
Battery Life	10 Hours
Product Dimensions	6.5"D x 4.1"W x 1.5"H
Item Weight	1.32 pounds
Color	Grey
Manufacturer	Auditoryworks
Warranty Type	Limited

WARRANTY AND SUPPORT

Warranty Information

The NUROUM A15 Conference Speaker and Microphone comes with a limited warranty. Please refer to the warranty card included in your package for specific terms and conditions. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact NUROUM customer support:

- **Email:** customer.service@nuroum.com
- **Website:** <https://nuroum.com>

You can also visit the official NUROUM store on Amazon for more product information and support resources: [NUROUM Amazon Store](#)