

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [MEDca](#) /
- › [MEDca Digital Hearing Amplifier Instruction Manual](#)

## MEDca LYB44-N2

# MEDca Digital Hearing Amplifier Instruction Manual

Model: LYB44-N2

[Product Overview](#)   [Setup](#)   [Operation](#)   [Maintenance & Support](#)   [Troubleshooting](#)   [Specifications](#)   [Warranty](#)

## 1. PRODUCT OVERVIEW

The MEDca Digital Hearing Amplifier is a personal sound enhancement device designed to amplify speech frequencies, helping users to hear conversations more clearly. This rechargeable, behind-the-ear (BTE) amplifier features advanced digital sound processing with noise reduction technology, offering a compact, lightweight, and discreet solution for improved hearing.

### Package Contents

Upon opening your MEDca Digital Hearing Amplifier package, please verify that all components listed below are present:

- 2 x Hearing Amplifiers (Blue)
- 1 x Hard Plastic Storage Case
- 1 x USB Rechargeable Dock
- 1 x Adapter
- 1 x Cleaning Set (includes 2 cleaning brushes)
- 1 x Storage Bag
- 1 x Instruction Manual (this document)
- Multiple sizes of Easy Comfort Ear Plugs (10 ear domes)
- 1 x Charging Cable for Device
- 1 x Type-C Charging Cable for Dock

# WORKING TIME 30-45 H

All-Day Battery Life - the battery life can be extended on-the-go up to an additional 4-5 times with the charging case



Figure 1.1: Package Contents. This image displays all items included in the MEDca Digital Hearing Amplifier package, such as the two blue hearing devices, the charging dock, USB cables, cleaning tools, and a selection of ear domes.

## 2. SETUP GUIDE

---

### 2.1 Initial Charging

Before first use, fully charge your MEDca Digital Hearing Amplifiers. The devices feature a rechargeable battery designed to last all day on a single charge. A full charge typically takes 2-3 hours and provides 30-45 hours of single use. The charging case can extend battery life by providing 4-5 additional charges on-the-go.

# PACKAGE INCLUDES

Each package also includes  
Instruction Manual



Figure 2.1: Battery Life and Charging Times. This diagram illustrates the impressive battery life of 30-45 hours per single charge and the quick 2-3 hour full charging time. It also highlights the charging case's ability to provide 4-5 additional charges.

## 2.2 Charging Methods

Your hearing amplifiers can be charged using two methods:

- **Dual Charging Convenience:** Place both amplifiers into the charging dock. The blue light indicates devices are charging, and turns off when charging is complete. The charging dock itself has a blinking green light while charging and a steady green light when fully charged.
- **Stand-alone Charging:** Each amplifier can be charged individually using the provided charging cable. A green light indicates the device is charging, and turns off when charging is complete.



Figure 2.2: Two Charging Methods. This image demonstrates how to charge the hearing amplifiers either simultaneously within the charging dock or individually using a direct cable connection.

### 2.3 Inserting and Removing the Amplifier

1. To insert the hearing amplifier, gently pull up on your ear to straighten the ear canal.
2. Place the amplifier over your ear, directing the sound tube toward your ear canal.
3. Twist the earplug into place until it is comfortably secure.
4. To remove, gently pull the amplifier away from your ear.



# Behind-the-ear Hearing Amplifier

With 30-40 Hours of Single Use



Figure 2.3: Behind-the-Ear Fit. This image illustrates the discreet and comfortable fit of the MEDca Digital Hearing Amplifier when worn behind the ear.

## 3. OPERATING INSTRUCTIONS

The MEDca Digital Hearing Amplifier is designed for ease of use, featuring a simple one-touch digital frequency control and no complicated programming required.

### 3.1 Power On/Off

- To power on the device, slide the power button to the "ON" position.
- To shut down the device, slide the power button to the "OFF" position.

### 3.2 Volume Adjustment

Use the volume control buttons to adjust the sound level. It is recommended to start with a lower volume and gradually increase it as needed for comfortable listening. The device features six modes for precision amplification, allowing you to

modify tone and volume for optimal clarity.



# Technical Specifications

<b>Maximum saturation pressure level OSPL90</b>	$\leq 112 \pm 3$ db
<b>Full gear gain (mean HF)</b>	$35 \pm 5$ db
<b>Full-scale sound gain</b>	$38 \pm 5$ dB
<b>Frequency response range</b>	250Hz - 5000Hz
<b>Total harmonic distortion</b>	$\leq 3\% \pm 3\%$
<b>Equivalent input noise level</b>	$\leq 26$ dB

Figure 3.1: Product Features. This image points out key operational components such as the microphone, power button, and volume control, along with the double-layer earplugs designed to suppress howling and improve fit.

## 4. MAINTENANCE AND CARE

### 4.1 Cleaning the Device

Regular cleaning is essential for maintaining the performance and longevity of your hearing amplifier.

- Regularly clean the device with a soft, dry cloth.
- Avoid getting moisture on the device.
- Use the provided cleaning tool or brush to remove any earwax buildup from the sound outlet.

### 4.2 Storage

When not in use, store your hearing amplifier in a cool, dry place. Utilize the provided hard plastic case for safekeeping to protect the device from damage and dust.

## 5. TROUBLESHOOTING

If you encounter any issues with your MEDca Digital Hearing Amplifier, please refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
No sound or weak sound	Low battery; Earwax buildup in sound outlet; Incorrect volume setting; Device is off.	Ensure device is fully charged; Clean the sound outlet with the provided brush; Adjust volume to a higher setting; Turn the device on.
Whistling or feedback noise	Improper fit in ear; Earplug not sealed properly; Volume too high.	Re-insert the amplifier to ensure a snug fit; Try a different size earplug for a better seal; Reduce the volume.
Excessive background noise	Volume set too high; Environmental factors.	Lower the volume; The device amplifies all sounds, so some background noise is normal. Adjust settings for optimal speech clarity.
Device not charging	Charging cable or dock not properly connected; Faulty power source.	Ensure all connections are secure; Try a different USB port or power adapter.

If problems persist after attempting these solutions, please contact MEDca customer support for further assistance.

## 6. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	LYB44-N2
Maximum Saturation Pressure Level (OSPL90)	88.04;112;3 db
Full Gear Gain (mean HF)	35;5 db
Full-Scale Sound Gain	38;5dB
Frequency Response Range	250Hz - 5000Hz
Total Harmonic Distortion	88.04;3%;3%
Equivalent Input Noise Level	88.04;26dB
Power Source	Battery Powered (Rechargeable)
Product Dimensions	1 x 1 x 1 inches; 6.7 ounces
Material	Plastic
Color	Blue

# Product Description

## Microphone

- The entrance of outside voices

## Volume Adjustment

- Swipe up to increase volume
- Scroll down to decrease volume

## Power button

- "ON" boot
- "OFF" to shut down

Suppress howling and fit the ear better

## Double Layer Earplugs

Figure 6.1: Technical Specifications. This image presents a detailed table of the amplifier's technical data, including sound levels, gain, frequency response, and distortion.

## 7. WARRANTY AND SUPPORT

### 7.1 Product Quality and Satisfaction

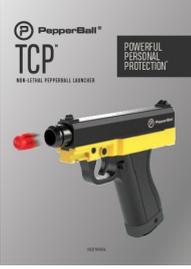
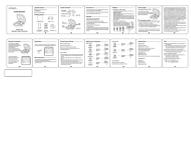
MEDca stands by the quality of its products. Each digital hearing amplifier undergoes extensive testing to ensure superb quality and optimal performance in clearly amplifying sounds. Your satisfaction is important to us.

### 7.2 Contacting Support

If you are not satisfied with your MEDca Digital Hearing Amplifier set for any reason, or if you require assistance with troubleshooting or general inquiries, please contact MEDca customer support. Refer to the contact information provided on the product packaging or the official MEDca website for the most current support details.

For more information and support, visit the official MEDca Store: [MEDca Store on Amazon](#).

## Related Documents - LYB44-N2

	<p><a href="#">DS18 NXL-N Series Ultra-Compact Water-Resistant Amplifiers Owner's Manual</a></p> <p>Comprehensive owner's manual for the DS18 NXL-N series of ultra-compact, water-resistant amplifiers designed for ATV, marine, and motorcycle applications. Covers features, installation, wiring, specifications, and troubleshooting.</p>
	<p><a href="#">Fosi Audio N2 Headphone Amplifier User's Guide</a></p> <p>Comprehensive user guide for the Fosi Audio N2 portable headphone amplifier, detailing its features, specifications, setup instructions, and troubleshooting tips for enhanced audio listening.</p>
	<p><a href="#">UBIBOT Battery Booster Pack User Guide</a></p> <p>User guide for the UBIBOT Battery Booster Pack, detailing its features, specifications, and applications in various environments requiring stable power support.</p>
	<p><a href="#">PepperBall TCP Non-Lethal Pepperball Launcher User Manual</a></p> <p>Comprehensive user manual for the PepperBall TCP Non-Lethal Pepperball Launcher, covering safety, operation, maintenance, troubleshooting, and warranty information.</p>
	<p><a href="#">XKDUN N2 Wireless Sport Earbuds User Manual - Pairing, Features &amp; Specifications</a></p> <p>Comprehensive user manual for XKDUN N2 Wireless Sport Earbuds. Learn how to pair, use features, charge, troubleshoot, and find specifications for these Bluetooth 5.1 earbuds.</p>

Westek.

amertac



Discover the comprehensive AmerTac product catalog featuring Westek lighting solutions, Zenith consumer electronics accessories, and a wide range of timers, light controls, and night lights for home and professional use.

[AmerTac Product Catalog: Lighting, Timers, Light Controls, and Consumer Electronics Accessories](#)

Explore the comprehensive AmerTac product catalog featuring Westek lighting solutions, Zenith consumer electronics accessories, and a wide range of timers, light controls, and night lights for home and professional use.