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> Nuroum OW20B Open-Ear Bluetooth Earphones with Microphone User Manual

Nuroum OW20B

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Model: OW20B

INTRODUCTION

Thank you for choosing the Nuroum OW20B Open-Ear Bluetooth Earphones. This manual provides detailed instructions for the safe and efficient use of your new earphones. Please read it thoroughly before use and retain it for future reference.

IMPORTANT SAFETY INFORMATION

- Do not expose the earphones to extreme temperatures or humidity.
- Avoid dropping or subjecting the earphones to strong impacts.
- Do not disassemble or modify the earphones. This may void the warranty and cause damage.
- Keep out of reach of children and pets.
- Use only the provided charging cable.
- Avoid using the earphones at high volume for extended periods to prevent hearing damage.

PACKAGE CONTENTS

Please check that all items are present:

- Nuroum OW20B Bluetooth Earphones x 1
- Charging Cable x 1
- Instruction Manual x 1

PRODUCT OVERVIEW

The Nuroum OW20B features an open-ear design for comfort and situational awareness, a rotatable boom microphone for clear communication, and integrated controls for ease of use.

回転可能なブームマイク： プロフェッショナルおよびポータブル用途に最適

前方に回転させるとクリアな通話が可能になり、後方に回転させると収納に便利です



口の近くに配置



耳の後ろに目立たないように収納

Figure 1: Nuroom OW20B Open-Ear Bluetooth Earphones. This image shows the overall design of the earphones, highlighting their open-ear form factor and the integrated boom microphone.

Components:

- **Ear Hooks:** Designed for a secure and comfortable fit over the ear.
- **Speaker Units:** Deliver audio without blocking the ear canal.
- **Rotatable Boom Microphone:** Can be positioned for optimal voice pickup during calls or rotated away when not in use.
- **Control Buttons:** For power, volume, track control, and call management.
- **Charging Port:** For connecting the charging cable.

DESIGN AND COMFORT

The Nuroom OW20B earphones are engineered for comfort and a secure fit, weighing only 22g. Their open-ear design allows you to stay aware of your surroundings while enjoying audio, preventing the stuffiness often associated with in-ear

headphones. The soft silicone ear hooks ensure a snug fit without discomfort, even during extended wear or active use like running or cycling.

オープンイヤーだからの快適さ&フィット感

オープンイヤーデザインによる快適さと確実なグリップ感の両方をお体験



オープンイヤーデザイン:
快適で肌に優しい



その他のインイヤーデザイン:
邪魔でアレルギーを起こしやすい



当社のソフトシリコン
イヤーフック



その他の硬質プラスチック
製イヤーフック



Figure 2: Open-Ear Comfort & Fit. This image illustrates the benefits of the open-ear design compared to traditional in-ear headphones, emphasizing comfort and a secure fit with soft silicone ear hooks.

SETUP

1. Charging the Earphones

Before first use, fully charge the earphones. A full charge takes approximately 2 hours and provides up to 15 hours of continuous playback.

1. Connect the provided charging cable to the charging port on the earphones.
2. Connect the other end of the charging cable to a USB power adapter (not included) or a computer's USB port.
3. The indicator light will show the charging status. It will typically turn off or change color once fully charged.

急速充電&長時間再生

朝の通勤時から夜のトレーニングまで、
最大 15 時間の連続再生が可能です



2H

急速充電



12H

連続通話



15H

音楽連続再生

*OW20 は、音量を50%に設定した場合、フル充電されたバッテリーで
15 時間の再生が可能です。

Figure 3: Fast Charging & Long Playback. This image displays the charging process and highlights the battery performance, including 2 hours for fast charging and up to 15 hours of continuous music playback.

2. Powering On/Off

- **To Power On:** Press and hold the Multi-Function Button (MFB) for approximately 3 seconds until you hear a power-on prompt and the indicator light flashes.
- **To Power Off:** Press and hold the MFB for approximately 5 seconds until you hear a power-off prompt and the indicator light turns off.

3. Bluetooth Pairing

The Nuroum OW20B uses Bluetooth 5.3 for a stable and seamless connection.

1. Ensure the earphones are powered off.
2. Press and hold the MFB for about 5-7 seconds until the indicator light flashes red and blue alternately, indicating pairing mode.
3. On your device (smartphone, tablet, computer), enable Bluetooth and search for available devices.

4. Select "Nuroum OW20B" from the list of found devices.
5. Once connected, the indicator light will flash blue slowly, and you will hear a connection confirmation prompt.

Note: The earphones support multi-point connection, allowing simultaneous connection to two devices. After pairing with the first device, disable Bluetooth on it, then pair with the second device. Re-enable Bluetooth on the first device, and the earphones should connect to both.

OPERATING INSTRUCTIONS

Controls

The earphones feature intuitive controls for managing audio and calls.



Figure 4: User-Friendly Integrated Controls. This image highlights the control buttons on the earphone body, including volume up (+), volume down (-), and the Multi-Function Button (MFB), along with the mute button on the microphone boom.

Control Functions

| Function | Action |
|------------------------|--|
| Power On | Press and hold MFB for 3 seconds |
| Power Off | Press and hold MFB for 5 seconds |
| Play/Pause Music | Single press MFB |
| Next Track | Double press MFB |
| Previous Track | Triple press MFB |
| Volume Up | Single press '+' button |
| Volume Down | Single press '-' button |
| Answer/End Call | Single press MFB |
| Reject Call | Press and hold MFB for 2 seconds |
| Mute/Unmute Microphone | Single press the mute button on the boom mic |

Microphone Usage

The rotatable boom microphone is designed for optimal voice clarity during calls, featuring ENC (Environmental Noise Cancellation) and a DSP chip to reduce ambient noise by 99.9%.

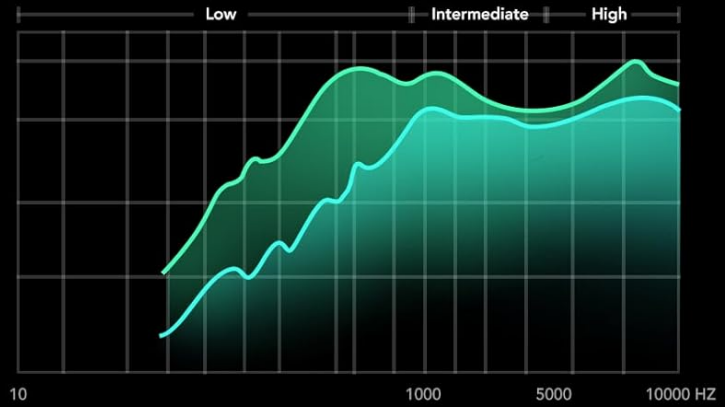
- For calls, rotate the microphone boom forward so it is positioned near your mouth.
- When listening to music or not needing the microphone, rotate it backward behind your ear for convenient storage and a less obtrusive profile.

厚みのある低音とパワフルな音量

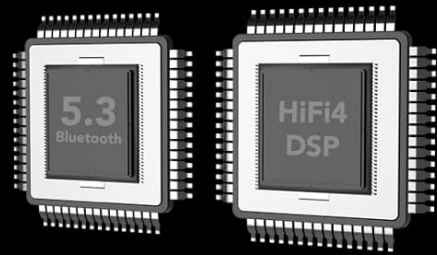
HiFi4 DSP で実行されるプライベート低音ブースト アルゴリズムを搭載した大型ドライバーが、強力な音量と厚みのある低音を生み出します。屋外でランニングしているときや飛行機に搭乗しているときも、お気に入りの音楽を簡単に聴くことができます。

強力なボリュームを実現する超大型ドライバー

— nuroum
— other



HiFi4 DSP を搭載したアップグレードされた Bluetooth 5.3



業界をリードする低音強調アルゴリズム

Figure 5: Rotatable Boom Microphone. This image demonstrates how to position the rotatable boom microphone for clear calls (forward, near mouth) and for storage (backward, behind ear).

HiFi 4 DSP による業界をリードするノイズキャンセリング

数百万時間の騒音でトレーニングされた圧縮ニューラル ネットワークが HiFi 4 DSP プロセッサーを搭載したマイクに移植され、環境ノイズ キャンセリング (ENC) が民主化され、発信者に聞こえるのはあなたの声だけになります。

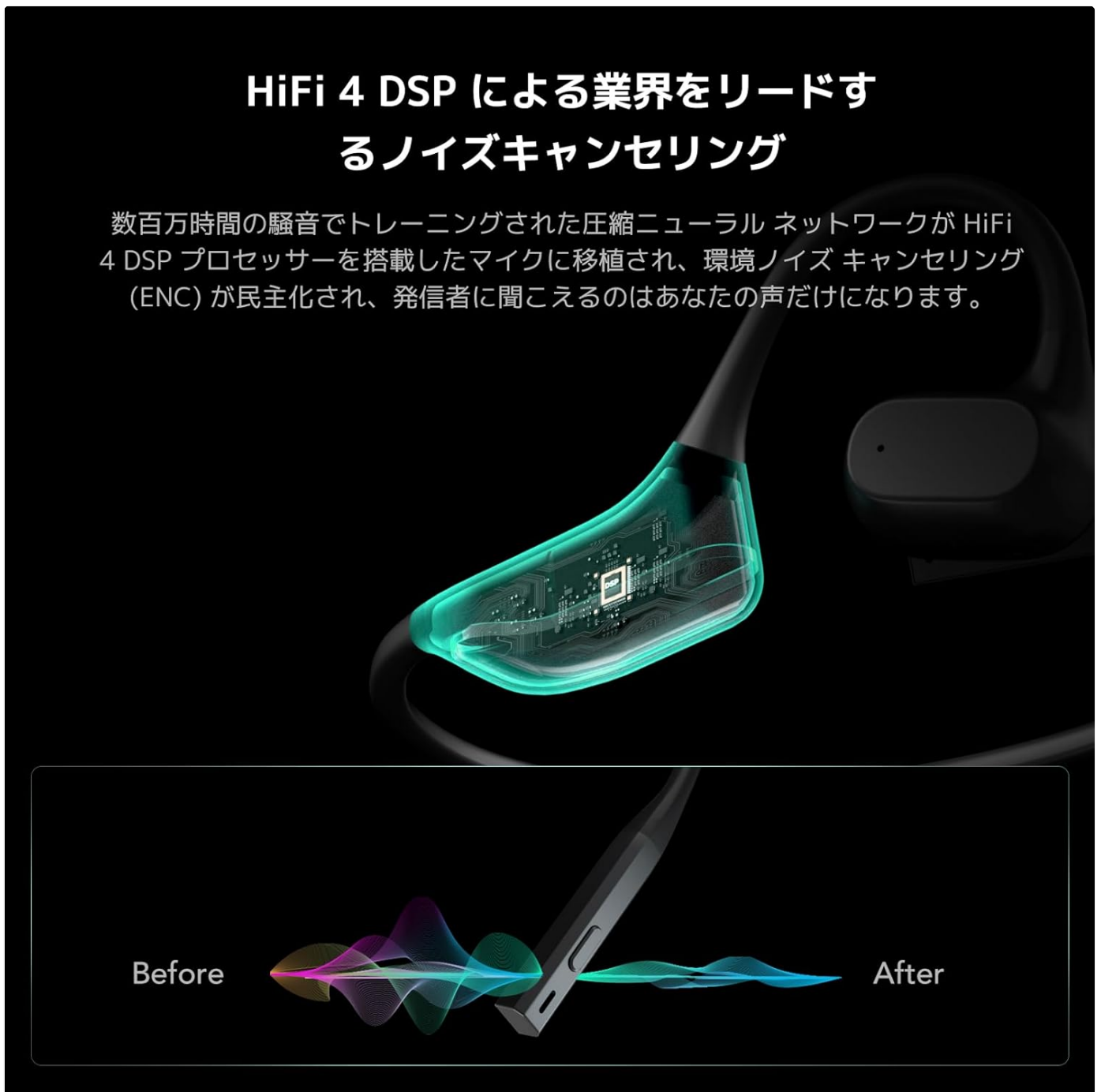


Figure 6: Industry-leading Noise Cancelling with HiFi 4 DSP. This image illustrates the ENC (Environmental Noise Cancellation) and DSP chip technology, showing how it processes and reduces background noise for clearer voice transmission during calls.

Audio Quality

Equipped with a large driver and a private bass boost algorithm powered by HiFi4 DSP, the Nuroum OW20B delivers powerful volume and rich bass. This ensures an enjoyable listening experience for your favorite music, whether you are running outdoors or traveling on an airplane.



MAINTENANCE

- Clean the earphones regularly with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Store the earphones in a cool, dry place away from direct sunlight and extreme temperatures.

- Avoid prolonged exposure to liquids. While designed for sports, excessive moisture can still cause damage.
- When not in use for extended periods, charge the earphones at least once every three months to maintain battery health.

TROUBLESHOOTING

Common Issues and Solutions

| Problem | Solution |
|-------------------------------------|---|
| Earphones do not power on. | Ensure the earphones are charged. Connect to a power source using the provided cable. |
| Cannot pair with a device. | <ul style="list-style-type: none"> ◦ Ensure earphones are in pairing mode (flashing red and blue). ◦ Disable and re-enable Bluetooth on your device. ◦ Move earphones closer to your device. ◦ Clear previous Bluetooth connections on your device and try again. |
| No sound or low volume. | <ul style="list-style-type: none"> ◦ Adjust volume on both earphones and your connected device. ◦ Ensure earphones are properly connected to your device. ◦ Check if the earphones are muted. |
| Microphone not working. | <ul style="list-style-type: none"> ◦ Ensure the microphone boom is positioned correctly. ◦ Check if the microphone is muted using the mute button. ◦ Verify microphone settings on your connected device. |
| Connection drops frequently. | <ul style="list-style-type: none"> ◦ Ensure no obstacles are between the earphones and your device. ◦ Move closer to your device (within 10 meters). ◦ Avoid areas with strong Wi-Fi or other wireless interference. |

SPECIFICATIONS

| Feature | Detail |
|---------------------------------|---|
| Model Name | AW-OW20B-JP |
| Brand | Nuroum |
| Connectivity Technology | Wireless (Bluetooth 5.3) |
| Headphone Form Factor | Open-Ear, Ear-hook |
| Special Features | ENC Noise Cancelling, Microphone, Lightweight (22g) |
| Continuous Playback Time | Up to 15 hours |
| Charging Time | Approx. 2 hours |
| Wireless Range | Up to 10 meters (33 feet) |

| Feature | Detail |
|---------|--------|
| Color | Black |

WARRANTY AND SUPPORT

The Nuroom OW20B Open-Ear Bluetooth Earphones come with a **1-year warranty** from the date of purchase. For warranty claims, technical support, or any inquiries regarding your product, please contact Nuroom customer service through the retailer where you purchased the product or visit the official Nuroom website for contact information. Please retain your proof of purchase for warranty validation.