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ARM NEXT M20T

ARM NEXT M20T Electronic Bluetooth Hearing Protection Earbuds

User Manual

1. Product Overview

The ARM NEXT M20T is an advanced in-ear electronic hearing protection system designed to safeguard your hearing while enhancing situational awareness. These earbuds effectively suppress hazardous noise levels above 82dB, making them ideal for activities such as shooting, hunting, and construction work. Integrated Bluetooth 5.3 technology allows for wireless audio streaming and communication.

Key Features:

- Noise Reduction Rating (NRR) of 27dB.
- Wireless Bluetooth 5.3 connectivity.
- Active noise cancellation and sound amplification.
- Lightweight and portable in-ear design.
- Rechargeable case providing extended use.



Figure 1.1: ARM NEXT M20T Electronic Bluetooth Hearing Protection Earbuds. This image displays the two brown earbuds with black ear tips, showcasing their compact and ergonomic design.

2. Package Contents

Please verify that all items are present in your package:

- ARM NEXT M20T Electronic Hearing Protection Earbuds (1 pair)
- Portable Charging Case
- Assorted Ear Tip Sizes (Small, Medium, Large)
- USB Charging Cable
- User Manual (this document)

3. Setup Instructions

3.1 Charging the Device

Before initial use, fully charge the earbuds and the charging case.

1. Connect the provided USB charging cable to the charging port on the case and to a compatible USB power source (e.g., computer, wall adapter).
2. Place the earbuds into their respective slots in the charging case. Ensure they are correctly seated.
3. The indicator lights on the case and earbuds will show charging status. Refer to the indicator light section for details (if available, otherwise assume standard behavior).
4. A full charge typically takes approximately 1-2 hours for the earbuds and 2-3 hours for the case. The charging case provides up to 3 full charges for the earbuds.

3.2 Selecting and Fitting Ear Tips

Proper ear tip selection and fit are crucial for optimal noise reduction and sound quality.

1. Experiment with the three different ear tip sizes (Small, Medium, Large) included in the package.
2. Gently insert an earbud into your ear canal. Twist it slightly until it feels secure and forms a comfortable seal.
3. Test the fit by speaking or moving your head. If the fit is loose or sound leakage is noticeable, try a different size ear tip. A good seal is essential for the 27dB NRR to be effective.

3.3 Bluetooth Pairing

Pair your ARM NEXT M20T earbuds with your Bluetooth-enabled device.

1. Ensure the earbuds are charged and removed from the charging case. They will automatically enter pairing mode.
2. On your device (smartphone, tablet, etc.), go to the Bluetooth settings.
3. Search for available devices and select "ARM NEXT M20T" from the list.
4. Once connected, you will hear an audible confirmation, and the indicator light on the earbuds will change (e.g., solid blue or off).

4. Operating Instructions

4.1 Power On/Off

- **Power On:** Remove the earbuds from the charging case. They will automatically power on. Alternatively, press and hold the multi-function button on each earbud for approximately 3 seconds.
- **Power Off:** Place the earbuds back into the charging case. They will automatically power off and begin charging. Alternatively, press and hold the multi-function button on each earbud for approximately 5 seconds.

4.2 Noise Reduction and Sound Amplification Modes

The M20T earbuds feature electronic noise suppression and sound amplification to adapt to your environment.



Figure 4.1: Button Operation. This image illustrates how to press the button on the earbud to activate the noise reduction mode. It also highlights the voice assistant and button operation features.

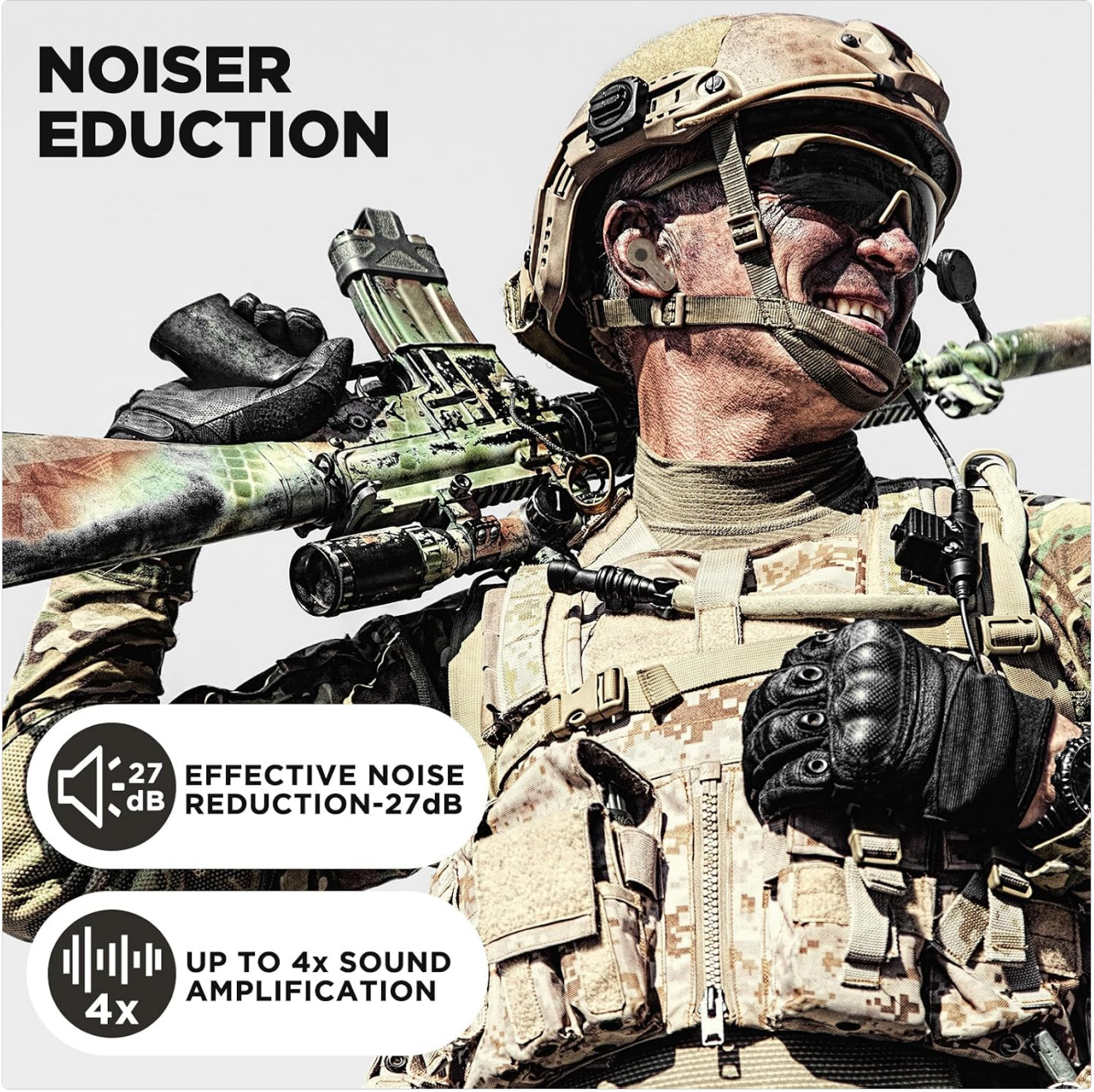

Figure 4.2: Noise Reduction and Sound Amplification. This image shows icons indicating 27dB effective noise reduction and up to 4x sound amplification, demonstrating the core protective and enhancing functions of the earbuds.

- **Activate Noise Reduction:** Press the multi-function button on either earbud to directly turn on the noise reduction mode. This will suppress loud, hazardous sounds.
- **Sound Amplification:** The earbuds are designed to amplify ambient sounds up to 4 times, allowing for improved situational awareness and communication in noisy environments while still protecting against sudden loud noises.
- **Indoor Mode:** For quieter environments, the earbuds can be set to an 'Indoor Mode' which provides a more subdued sound profile. Refer to the specific button press sequence for this mode (e.g., double-tap or long-press, if not explicitly stated, assume single press cycles modes).



Figure 4.3: Indoor Mode. This image shows a user wearing the earbuds in what appears to be an indoor shooting range setting, with text indicating 'Indoor Mode' for a 'More Quiet' experience.

4.3 Bluetooth Functions

- **Play/Pause Music:** Single press the multi-function button on either earbud.
- **Answer/End Call:** Single press the multi-function button on either earbud during an incoming call.
- **Reject Call:** Press and hold the multi-function button for approximately 2 seconds during an incoming call.
- **Voice Assistant:** Triple-tap the multi-function button on either earbud to activate your device's voice assistant (e.g., Siri, Google Assistant).

5. Maintenance

5.1 Cleaning

- Regularly clean the earbuds and charging case to ensure optimal performance and hygiene.
- Use a soft, dry, lint-free cloth to wipe the exterior of the earbuds and case.
- Gently remove ear tips and clean them with mild soap and water. Ensure they are completely dry before

reattaching.

- Use a cotton swab or small brush to carefully clean any debris from the ear tip nozzles and charging contacts.
- Do not use abrasive cleaners, solvents, or immerse the earbuds or case in water.

5.2 Storage

- When not in use, store the earbuds in their charging case to protect them from dust, dirt, and damage.
- Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.

6. Troubleshooting

If you encounter issues with your ARM NEXT M20T earbuds, please refer to the following common solutions:

Problem	Possible Cause	Solution
Earbuds not charging	Poor contact with charging pins; charging cable/adapter issue; case battery low.	Ensure earbuds are correctly seated in the case. Clean charging contacts. Try a different USB cable or power adapter. Charge the case fully.
Cannot pair with device	Earbuds not in pairing mode; Bluetooth off on device; previously paired device interfering.	Ensure earbuds are out of the case and powered on. Turn Bluetooth off and on again on your device. Forget "ARM NEXT M20T" from your device's Bluetooth list and re-pair.
No sound or low volume	Volume too low on device/earbuds; improper ear tip fit; earbud blockage.	Adjust volume on both your device and the earbuds. Ensure ear tips provide a snug seal. Clean earbud nozzles for any wax or debris.
Tapping noise from one earbud	Potential internal component issue.	This may indicate a manufacturing defect. If persistent, contact customer support for assistance.
Microphone picks up wind/clothing noise	Environmental factors; microphone sensitivity.	Try to minimize exposure to wind. Adjust clothing to prevent rubbing against the earbuds. For calls, ensure you are in a relatively calm environment.

7. Specifications

Feature	Specification
Brand	ARM NEXT
Model	M20T
Noise Reduction Rating (NRR)	27dB
Bluetooth Version	5.3
Material	Plastic
Color	Brown

Feature	Specification
Product Style	In-ear
Item Form	Pair
Number of Items	2 (1 pair)
Recommended Uses	Noise Protection (Shooting, Hunting, Range, Construction)
UPC	753557204963
ASIN	B0D29ZW6DQ



Figure 7.1: Portable & Lightweight. This image highlights the earbuds' low weight (0.29 oz) and small size, emphasizing their portability and reduced pressure compared to over-ear protection.

8. Warranty and Support

Specific warranty information for the ARM NEXT M20T is not provided in the product data. Please refer to the retailer's return policy or contact ARM NEXT directly for warranty details and customer support.
For further assistance or inquiries, please visit the official ARM NEXT website or contact their customer service department.

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