

EARMOR M51

EARMOR M51 PTT Adapter Instruction Manual

For Kenwood/Baofeng Compatible Radios and EARMOR Headsets

1. INTRODUCTION

The EARMOR M51 Push-To-Talk (PTT) adapter is designed to facilitate communication between EARMOR tactical headsets and compatible two-way radios, specifically those utilizing Kenwood or Baofeng dual-pin connectors. This adapter features a Military Standard 7.0 plug for headset connection, ensuring secure and reliable operation in demanding environments. It provides a simple and effective method for transmitting voice communications.





Image 1.1: The EARMOR M51 PTT adapter, featuring its main unit, coiled cable, and dual-pin radio connector. This image displays the complete adapter unit.

2. COMPATIBILITY AND IMPORTANT WARNINGS

The EARMOR M51 PTT adapter is engineered for specific compatibility. Adherence to these guidelines is crucial for proper function and to prevent damage to your equipment.

- **EARMOR Headset Compatibility:** This PTT adapter is specifically designed for seamless integration with EARMOR headsets that utilize a Military Standard 7.0 plug.
- **Radio Compatibility:** Compatible with Kenwood and Baofeng two-way radios that use a standard dual-pin connector.
- **Important Warning:** This PTT adapter is **not compatible** with Z-Tactical, Element, or other civilian tactical headsets, nor with PELTOR brand headsets. It is designed to work exclusively with MSA and EARMOR headsets due to differing wiring standards (Military vs. Civilian).



Image 2.1: A diagram illustrating the distinct wiring configurations for military (NATO J11) and civilian headset plugs. This visual clarifies why the EARMOR M51 PTT adapter is exclusively compatible with EARMOR headsets, which adhere to military wiring standards.

3. SETUP INSTRUCTIONS

Follow these steps to correctly connect your EARMOR M51 PTT adapter to your headset and radio.

1. **Connect to EARMOR Headset:** Insert the Military Standard 7.0 plug from your EARMOR headset into the corresponding port on the EARMOR M51 PTT adapter. Ensure the connection is firm and secure.



Image 3.1: A close-up view of the EARMOR M51 PTT adapter, highlighting the input port for the military standard 7.0

plug from an EARMOR headset.

2. **Connect to Radio:** Insert the dual-pin connector of the PTT adapter into the microphone and speaker jacks of your compatible Kenwood or Baofeng two-way radio. The larger pin typically goes into the speaker jack, and the smaller pin into the microphone jack.



Image 3.2: A detailed image of the dual-pin radio connector on the EARMOR M51 PTT adapter, designed for compatibility with Kenwood and Baofeng two-way radios.

3. **Secure Placement:** Utilize the integrated clip on the PTT adapter to secure it to your gear (e.g., vest, belt) in an easily accessible location.

EARMOR HEADSET WORKS ONLY WITH EARMOR PTT

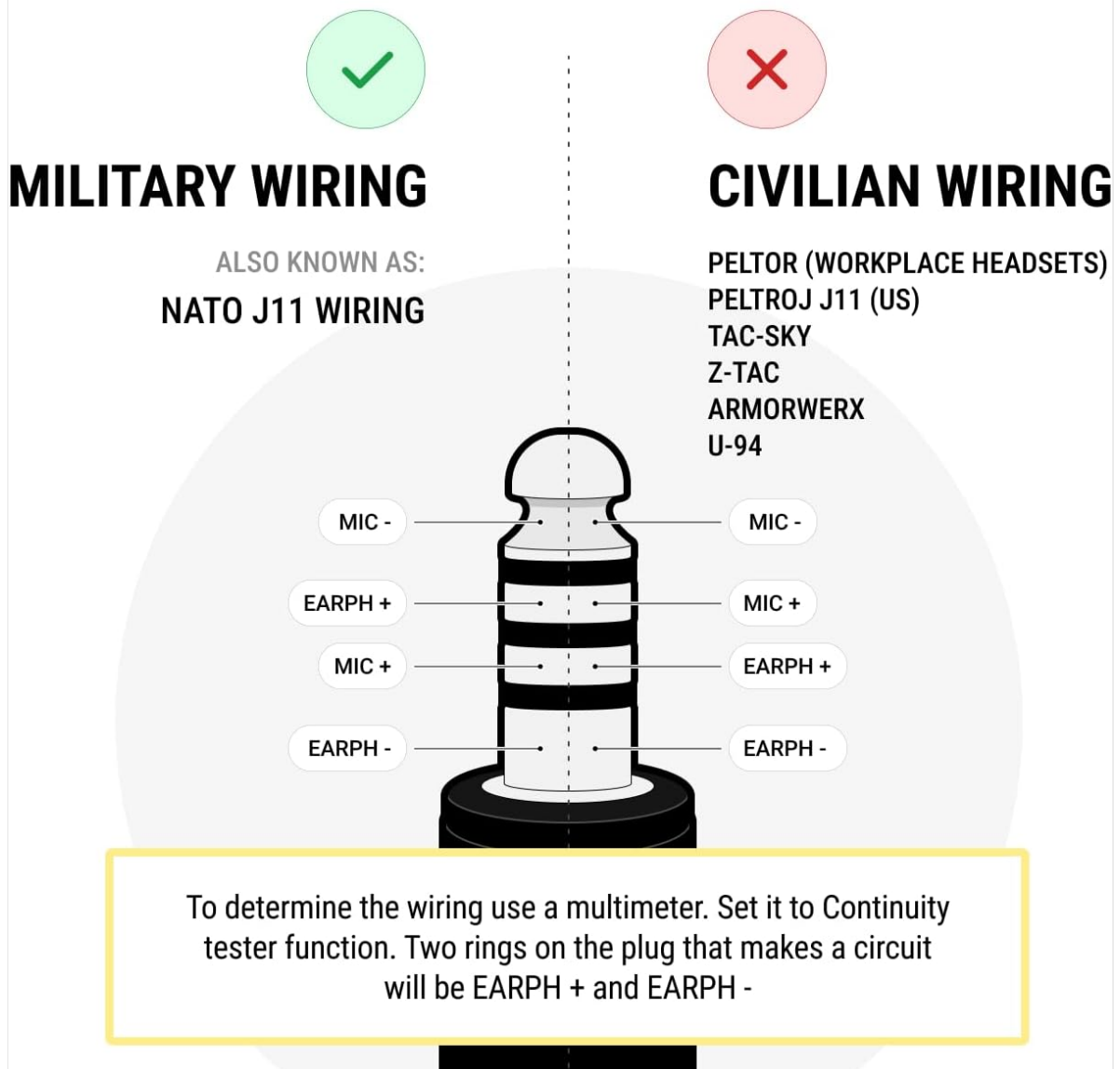


Image 3.3: The EARMOR M51 PTT adapter shown clipped onto tactical gear, illustrating a typical and accessible placement for operational use.

4. OPERATION

Operating the EARMOR M51 PTT adapter is straightforward:

- **Push-To-Talk Function:** To transmit your voice, press and hold the large button on the PTT adapter. Speak clearly into your headset's microphone.
- **Release to Listen:** Release the button to stop transmitting and return to receive mode, allowing you to hear incoming communications.
- **Optional M50 Finger Push Button:** The mini jack socket on the PTT adapter allows for the connection of an optional M50 Finger Push Button (sold separately) for remote PTT activation.

5. MAINTENANCE

Proper care will ensure the longevity and reliable performance of your EARMOR M51 PTT adapter:

- **Keep Dry:** Avoid exposing the PTT adapter to excessive moisture. While it features a rubber cover for dust and water resistance, it is not fully waterproof.
- **Clean Connections:** Periodically inspect and gently clean the connectors to ensure optimal signal transmission. Use a dry, soft cloth.
- **Storage:** Store the adapter in a cool, dry place when not in use. Avoid extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your EARMOR M51 PTT adapter, consider the following:

- **No Transmission/Reception:**
 - Ensure all connections (headset to PTT, PTT to radio) are fully seated and secure.
 - Verify that your headset is an EARMOR brand headset and not a civilian model (refer to Section 2: Compatibility).
 - Check your radio's volume and channel settings.
- **Poor Audio Quality:**
 - Inspect connectors for dirt or damage.
 - Ensure the headset microphone is properly positioned.
 - Test with another compatible radio or headset if available to isolate the issue.












7. SPECIFICATIONS

Feature	Detail
Model Number	M51
Connectivity Technology	Wired
Headphones Jack	2.5 mm Jack (for radio connection)
Compatible Devices	Two-Way Radios (Kenwood/Baofeng compatible)
Material	Silicone
Item Weight	3.52 ounces
Package Dimensions	8.19 x 4.84 x 1.5 inches
UPC	655726015120

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your EARMOR M51 PTT adapter, please refer to the official EARMOR website or contact your authorized dealer. Keep your purchase receipt for warranty claims.

Related Documents - M51

 	<p>EARMOR M33 MilPro Headset User Manual: Tactical Communication & Hearing Protection</p> <p>Comprehensive user manual for the EARMOR M33 MilPro Headset, detailing its features, operation, safety guidelines, installation, and specifications for tactical communication and hearing protection.</p>
 	<p>EARMOR C30 Bluetooth Hearing Protection Headset User Manual</p> <p>Comprehensive user manual for the EARMOR C30 Bluetooth Hearing Protection Headset, detailing features, operation, safety information, specifications, and warranty. Protects users from harmful noise in various industrial environments.</p>
 	<p>EARMOR M20T Wireless BT5.3 Earbuds Hearing Protection User Manual</p> <p>User manual for EARMOR M20T Wireless BT5.3 Earbuds Hearing Protection, detailing safety information, features, specifications, operating instructions, installation, and warranty.</p>
	<p>OPSMEN EARMOR M20 Elektronikus Hallásvédő Földugó Használati Útmutató</p> <p>Részletes használati útmutató az OPSMEN EARMOR M20 elektronikus hallásvédő földugóhoz, beleértve a funkciókat, a használatot, a töltést, a biztonsági tudnivalókat és a műszaki adatokat.</p>
 	<p>EARMOR M300T Electronic Hearing Protector with Bluetooth 5.3 - User Manual & Specifications</p> <p>Comprehensive user manual for the EARMOR M300T Electronic Hearing Protector. Learn about its features, safety guidelines, operation instructions for ambient listening and Bluetooth connectivity, battery replacement, specifications, approvals, FCC compliance, and warranty. Protect your hearing effectively with advanced noise-canceling technology.</p>
 	<p>EARMOR M20/M20T PRO Electronic Hearing Protection Earbuds User Manual</p> <p>Comprehensive user manual for EARMOR M20/M20T PRO electronic hearing protection earbuds, covering assembly, installation, operation, charging, troubleshooting, specifications, safety, and warranty information.</p>