Eartec ETP2D

Eartec ETP2D Ultralite PRO16 Wireless Headset Communication System User Manual

Model: ETP2D

1. INTRODUCTION

The Eartec Ultralite PRO16 system provides hands-free, full-duplex wireless communication for up to 16 users. This system is designed for instantaneous voice contact without the need for a separate base station or hub, as the transceivers are integrated directly into the ear cups of the headsets. The PRO16 allows for two independent communication channels or a combined conference mode for all users.

Image 1.1: The Eartec PRO16 system supports expanded full-duplex communication for multiple users.

2. WHAT'S IN THE BOX

Verify that all components are present in your package:

- 1 PRO16-DM Dual-Ear Main Headset
- 1 PRO16-DR Dual-Ear Remote Headset
- 2 Rechargeable Lithium Batteries
- 1 Dual Bay Multi-port Charger
- 1 Softside Case
- Solid Signal Cleaning Wipes

Image 2.1: Contents of the Eartec ETP2D Ultralite PRO16 communication system package.

3. SETUP

3.1. Charging the Batteries

Before initial use, fully charge the lithium batteries. A full charge provides approximately 10 hours of talk time.

1. Insert the rechargeable lithium batteries into the dual bay multi-port charger.
2. Connect the charger to a power source.
3. Allow the batteries to charge until the indicator lights on the charger confirm they are full.

Image 3.1: The compact lithium-polymer battery provides extended run time.

3.2. Headset Pairing (Automatic)

The PRO16 headsets are designed for automatic linking. No manual pairing or external hub is required for the system to establish communication between the headsets.

3.3. Wearing the Headset

The noise-cancelling microphone boom can be pivoted, allowing the headset to be worn on either the left or right ear. Position the microphone approximately one inch from your mouth for optimal voice clarity.

Image 3.3: Proper wearing of the Eartec PRO16 headset for clear communication.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off

Locate the power button on the headset. Press and hold the power button for a few seconds to turn the headset on or off. An indicator light will confirm the power status.

4.2. Volume Control

Use the volume up (+) and volume down (-) buttons on the headset to adjust the listening volume to a comfortable level.

4.3. Microphone Mute Function

The microphone features an auto-mute function. Pivoting the microphone boom upwards will automatically mute the microphone, silencing your voice transmission. Lowering the boom will reactivate the microphone.

Image 4.1: The microphone automatically mutes when the boom is raised.

4.4. Communication Channels

The PRO16 system supports two independent communication channels, allowing separate groups of users to communicate privately. Alternatively, all users can be combined into a single full-duplex conference with a simple touch of a button on the headset.

Image 4.2: The PRO16 system supports both segmented and combined group communication.

4.5. Range and Interference Avoidance

The system offers an extended line-of-sight wireless range of up to 0.5 miles (approximately 800 meters). It utilizes Active Frequency Hopping technology, which automatically switches channels as needed to avoid interference and maintain clear communication.

Image 4.3: The PRO16 system provides an extended communication range.

Image 4.4: Active Frequency Hopping ensures clear communication by avoiding interference.

5. MAINTENANCE

- **Cleaning:** Use the provided Solid Signal cleaning wipes or a soft, dry cloth to clean the headsets and charger. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the system components in the softside case when not in use to protect them from dust and physical damage.
- **Battery Care:** For optimal battery life, avoid fully discharging the batteries regularly. Store batteries in a cool, dry place if not used for extended periods.
- **Environmental Conditions:** Do not expose the headsets to extreme temperatures, humidity, or direct sunlight. The headsets are not water resistant.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Eartec PRO16 system.

Problem	Possible Cause	Solution

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No audio or poor audio quality	Headset not powered on. Low battery. Microphone muted (boom up). Out of range. Environmental interference.	Ensure headset is powered on. Charge or replace battery. Lower the microphone boom. Move closer to other active headsets. The system uses Active Frequency Hopping to mitigate interference; try moving to a different location if issues persist.
Headsets not linking	Headsets not powered on. Low battery. Incompatible models.	Ensure all headsets are powered on. Charge or replace batteries. Note: PRO16 headsets are not compatible with UltraLITE Classic or UltraLITE HD models.
Short battery life	Battery not fully charged. Aging battery.	Ensure batteries are fully charged before use. Consider replacing old batteries if performance degrades significantly.

7. SPECIFICATIONS

Feature	Specification
Model Name	UltraLITE Pro16 ETP2D
Connectivity Technology	Wireless (RF)
Frequency	2.4 GHz
Max Users	Up to 16
Range	Up to 0.5 mile (Line of Sight)
Battery Life	Approximately 10 Hours
Charging Time	10 Hours (for full charge)
Microphone	Noise-cancelling, Auto-mute boom
Ear Placement	Over Ear
Noise Control	Passive Noise Cancellation
Material	Metal, Plastic
UPC	608275733977

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Eartec website or contact your authorized retailer, Solid Signal. Keep your purchase receipt as proof of purchase for any warranty claims.

Solid Signal is an authorized Eartec retailer. For additional support or inquiries, you may visit the Solid Signal Store on Amazon.