

EARTEC UL5D

Eartec UL5D Ultralite-HD Wireless Intercom System User Manual

Model: UL5D | Brand: EARTEC

1. INTRODUCTION AND SYSTEM OVERVIEW

The Eartec UL5D Ultralite-HD is a professional full-duplex wireless intercom headset communication system designed for clear, hands-free communication among up to five users. Operating on the 1.9 GHz frequency, it minimizes interference, making it ideal for various demanding environments such as video production, stage management, and construction sites. This system provides simultaneous two-way communication, ensuring seamless coordination without the need for external belt packs.



No Beltpack!

- “All in One” Design
- Compact radio built into earcup

Figure 1.1: Eartec Ultralite-HD headset highlighting its integrated, all-in-one design, eliminating the need for a separate beltpack.

2. WHAT'S IN THE BOX

Your Eartec UL5D Ultralite-HD system includes the following components:

- 1 x ULDM Dual-Ear Master Headset
- 4 x ULDR Dual-Ear Remote Headsets
- 5 x Rechargeable Lithium Batteries
- 1 x 10-Bay Multi-port Charger
- 1 x Softside Carrying Case



Figure 2.1: All components included in the Eartec UL5D Ultralite-HD 5-person system kit.

3. SETUP GUIDE

3.1. Charging the Batteries

Before initial use, fully charge all lithium batteries. Insert the batteries into the 10-bay multi-port charger. The LED indicator for each slot will show the charging status:

- **RED:** Charging
- **GREEN:** Full Charge
- **FLASHING:** Battery Fault

A full charge typically takes approximately 12 hours. Ensure the charger is connected to a stable power source.



Figure 3.1: The 10-bay multi-port charger and its power adapter for charging the system batteries.



Figure 3.2: The rechargeable lithium batteries used with the Ultralite-HD system.

3.2. Inserting Batteries into Headsets

Once charged, carefully insert one battery into the designated compartment on each headset. Ensure the battery is oriented correctly according to the polarity indicators.

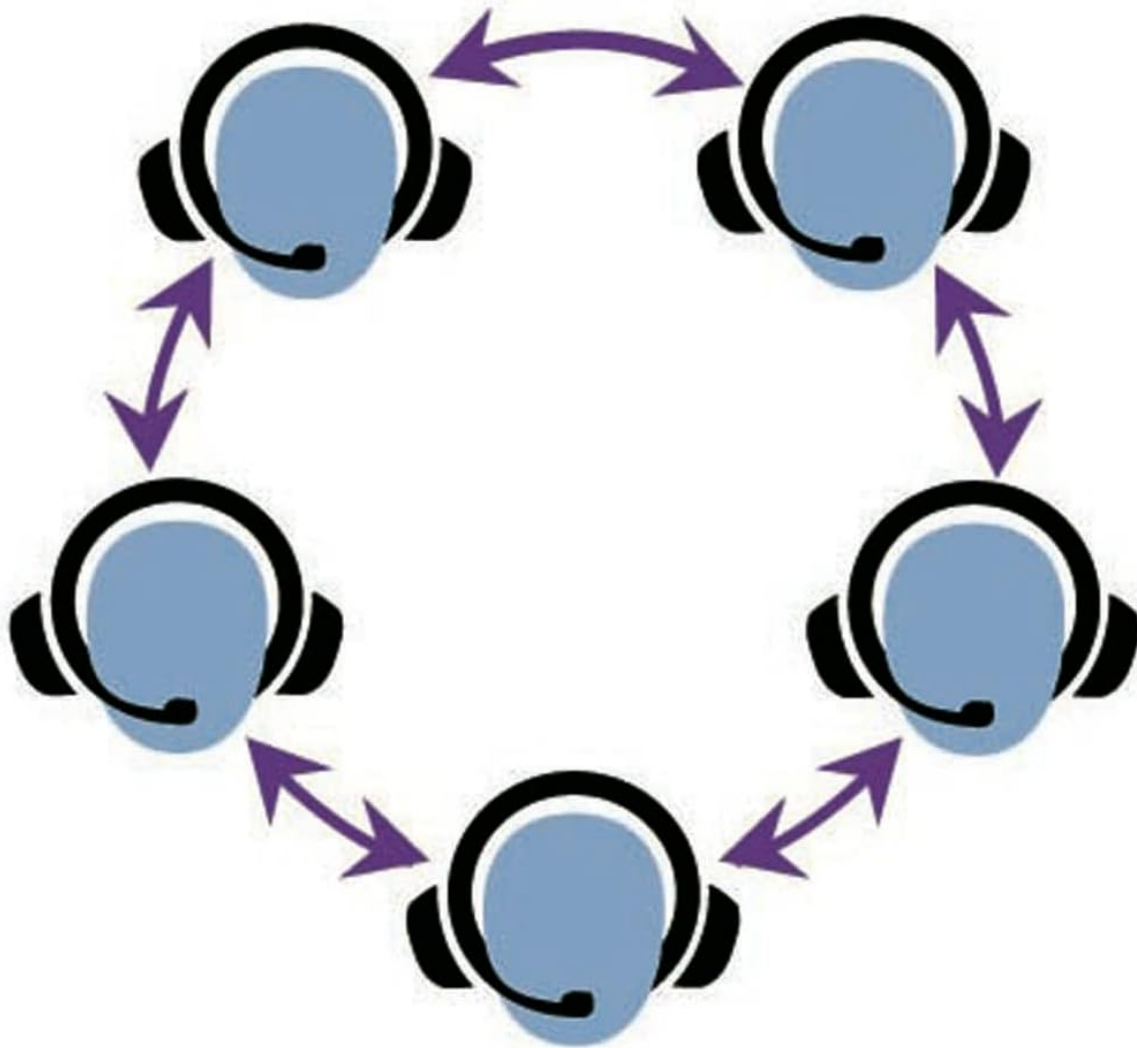
3.3. Identifying Master and Remote Headsets

The system includes one ULDM (Master) headset and four ULDR (Remote) headsets. The Master headset initiates the communication network, and all Remote headsets connect to it. The Master headset typically has a slightly different button layout or indicator to distinguish it.

3.4. System Expansion and Pairing

The Ultralite-HD headsets are "Field Programmable," allowing for easy addition of headsets up to the 5-user limit. Refer to the specific pairing instructions provided with your system for detailed steps on connecting new or replacement remote headsets to the master unit.

Expandable



- **Headsets are “Field Programmable”**
- **Add headsets up to 5 users**

Figure 3.3: The system's expandability, allowing up to five headsets to communicate.

4. OPERATING INSTRUCTIONS

4.1. Powering On/Off

To power on a headset, press and hold the power button (usually located on the earcup) until an indicator light illuminates. To power off, press and hold the same button until the light extinguishes.

4.2. Volume Control

Adjust the listening volume using the dedicated volume up (+) and volume down (-) buttons on the earcup. Ensure the volume is set to a comfortable level to prevent hearing fatigue or damage.

4.3. Microphone Operation (AutoMute Boom)

The microphone boom is designed to swivel 270 degrees, allowing the headset to be worn on either the left or right ear. A key feature is the AutoMute function: when the microphone boom is pivoted upwards (straight up), it automatically mutes the microphone. To activate the microphone, simply pivot the boom down towards your mouth.



Figure 4.1: The AutoMute Boom feature, demonstrating how pivoting the microphone upwards automatically mutes it.

4.4. Communication Range

The system offers a wireless range of up to 1,000 feet Line of Sight (LOS). Obstructions such as walls, buildings, or dense foliage can reduce this range. For optimal performance, maintain a clear line of sight between users whenever possible.

5. MAINTENANCE

5.1. Battery Care

To maximize battery life, always fully charge batteries before use and store them in a cool, dry place when not in use. Avoid extreme temperatures. If storing for extended periods, charge batteries to approximately 50% capacity.

every few months.

5.2. Cleaning the Headsets

Wipe the headsets with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure no moisture enters the electronic components. The ear cushions can be gently wiped or replaced if necessary.

5.3. Storage

When not in use, store the entire system in the provided softside carrying case. This protects the headsets and accessories from dust, moisture, and physical damage during transport and storage.



Figure 5.1: The softside carrying case provides protection for the system components.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No audio from headset.	Headset not powered on; low battery; microphone muted; out of range.	Ensure headset is powered on. Check battery level and recharge if necessary. Pivot microphone boom down. Move closer to the Master headset.

Problem	Possible Cause	Solution
Poor audio quality or static.	Interference; out of range; low battery.	Move away from potential sources of interference (e.g., Wi-Fi routers, other wireless devices). Move closer to the Master headset. Recharge battery.
Headsets not connecting.	Incorrect pairing; Master headset off; out of range.	Ensure Master headset is powered on. Re-attempt pairing procedure as per specific instructions. Ensure all headsets are within range.
Short battery life.	Batteries not fully charged; aging batteries.	Ensure batteries are fully charged before each use. Consider replacing older batteries if performance degrades significantly.

7. SPECIFICATIONS


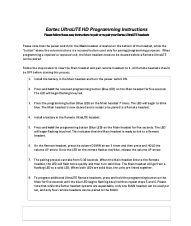



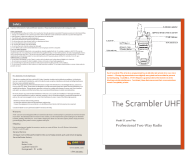
Feature	Detail
Model Name	UL5D UltraLITE-HD
Connectivity Technology	Wireless (RF)
Frequency Range	1.9 GHz
Wireless Range	Up to 1,000 ft LOS (Line of Sight)
Battery Life	Up to 6 Hours talk time
Charging Time	Approximately 12 Hours
Noise Control	Active Noise Cancellation (Microphone)
Earpiece Shape	Over-Ear
Microphone	Pivoting boom with AutoMute function
Included Components	ULDM Dual-Ear Master Headset, ULDR Dual-Ear Remote Headsets, Rechargeable Lithium Batteries, 10 Bay Multi-port Charger, softside carrying case
Product Dimensions	18.8 x 10 x 7 inches
Item Weight	5.79 pounds
Water Resistance Level	Water Resistant

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Eartec UL5D Ultralite-HD system, please refer to the warranty card included with your product or visit the official EARTEC website. Contact information for customer support is typically available on the manufacturer's website.

Note: No official product videos were available in the provided data for embedding in this manual.

Related Documents - UL5D

	<p>Eartec UltraLITE PRO16 Professional Wireless Headset System - User Guide</p> <p>Comprehensive guide to the Eartec UltraLITE PRO16 Full Duplex Wireless Headset System, covering safety, warranty, operation, and features like active frequency hopping and auto-mute.</p>
	<p>Eartec UltraLITE HD & HUB Programming Instructions: Pairing Wireless Headsets</p> <p>Detailed programming instructions for Eartec UltraLITE HD headsets and Eartec HUB HD Mini-Base. Learn how to pair, re-pair, and manage your wireless communication system with step-by-step guidance.</p>
	<p>Eartec TD900 Full Duplex Wireless Communication System: Specifications and User Guide</p> <p>Detailed specifications, warranty information, and operating instructions for the Eartec TD900 Full Duplex Wireless Communication System. Learn about features, charging, startup, and system setup for hands-free communication.</p>
	<p>Full Compass Audio & Video Equipment Catalog for Education</p> <p>A comprehensive catalog of audio and video equipment, including microphones, wireless systems, headphones, intercoms, and teleconferencing solutions, tailored for educational institutions. Features products from leading brands like Shure, Audio-Technica, Sennheiser, and more.</p>
	<p>Digicom Digital Wireless Communication System User Manual</p> <p>User manual and troubleshooting guide for the Eartec Digicom Digital Wireless Communication System, including setup instructions for various series and warranty information.</p>
	<p>Eartec Scrambler UHF SC 1000 Plus Professional Two-Way Radio User Manual</p> <p>Comprehensive guide for the Eartec Scrambler UHF SC 1000 Plus professional two-way radio, covering safety, operation, battery replacement, charging, and technical specifications.</p>

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