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› LyxPro 4-Channel XLR to Single Ethercon Cat6 Cable Multi Network Snake User Manual

LyxPro XLR4-Ethercon4CAT6-25

LyxPro 4-Channel XLR to Single Ethercon Cat6 Cable Multi Network Snake User Manual

Model: XLR4-Ethercon4CAT6-25

1. INTRODUCTION

The LyxPro 4-Channel XLR to Single Ethercon Cat6 Cable Multi Network Snake is designed to simplify audio setups in professional stage and recording studio environments. This cable system allows for the transmission of up to four balanced audio lines (XLR, AES, DMX) over a single Cat6 Ethernet cable, reducing cable clutter and streamlining connectivity. It ensures dependable connectivity and clear, balanced audio transfer for various applications.

2. SAFETY INFORMATION

- **Cable Handling:** Avoid sharp bends, kinks, or excessive pulling on the cable to prevent internal damage.
- **Connection Security:** Ensure all connectors are securely fastened before use to prevent signal loss or intermittent connections.
- **Environmental Conditions:** While designed for indoor and outdoor use, avoid exposing the cable to extreme temperatures, direct moisture, or corrosive substances for prolonged periods.
- **Power:** This is a passive cable system and does not require external power. Do not attempt to connect it to power sources.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x 4-Channel XLR Male Connector Breakout
- 1 x 4-Channel XLR Female Connector Breakout
- 1 x Cat6 Ethercon Cable (25 Feet)



Image: LyxPro 4-Channel XLR to Ethercon cable system as packaged.

4. SETUP

Follow these steps to set up your LyxPro multi-network snake:

1. **Identify Components:** Locate the 4-channel XLR male breakout, the 4-channel XLR female breakout, and the Cat6 Ethercon cable.
2. **Connect Ethercon Cable:** Connect one end of the Cat6 Ethercon cable to the Ethercon port on the 4-channel XLR male breakout. Ensure it clicks securely into place.
3. **Connect Second Ethercon Cable End:** Connect the other end of the Cat6 Ethercon cable to the Ethercon port on the 4-channel XLR female breakout.
4. **Connect Audio Sources (XLR Male Breakout):** Plug your audio sources (e.g., microphones, instruments, line outputs) into the individually color-coded 3-pin XLR male inputs on the male breakout unit. The channels are typically labeled CH1, CH2, CH3, CH4.
5. **Connect Audio Destinations (XLR Female Breakout):** Plug your audio destinations (e.g., mixer inputs, audio interface inputs, DMX controllers) into the corresponding individually color-coded 3-pin XLR female outputs on the female breakout unit.



Image: Close-up of the Ethernet adapter unit, showing the Ethernet port and LyxPro branding.



Image: The four color-coded XLR connectors (black, blue, red, green) for channels 1 through 4.

5. OPERATING INSTRUCTIONS

Once the setup is complete, the LyxPro multi-network snake operates as a transparent extension for your audio signals.

- **Signal Transmission:** The system transmits four balanced audio signals (XLR, AES, or DMX) over the single Cat6 cable.
- **Balanced Audio:** The design ensures balanced audio transfer, which helps in minimizing noise and interference over longer cable runs.
- **Channel Identification:** The color-coded XLR connectors (black, blue, red, green) correspond to channels 1-4, allowing for easy identification and organization of your audio lines.
- **Versatility:** This system is suitable for various applications including live sound, studio recording, broadcast, and DMX lighting control.

6. MAINTENANCE

Proper care and maintenance will extend the lifespan and ensure optimal performance of your LyxPro cable system.

- **Cleaning:** Use a soft, dry cloth to wipe down the cable and connectors. Avoid using harsh chemicals or abrasive materials.
- **Storage:** When not in use, coil the Cat6 Ethernet cable neatly. Avoid tight coiling or kinking. Store the entire system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the cable and connectors for any signs of wear, cuts, or damage. Damaged cables should be replaced to prevent signal issues or safety hazards.
- **Connector Care:** Keep the XLR and Ethernet connectors free from dust and debris.

7. TROUBLESHOOTING

If you encounter issues with your LyxPro multi-network snake, refer to the following troubleshooting tips:

- **No Signal:**
 - Ensure all XLR and Ethernet connections are fully seated and secure.
 - Verify that the Cat6 Ethernet cable is not damaged. Try a different Cat6 cable if available.
 - Check the audio source and destination equipment for proper functionality.
- **Intermittent Signal:**
 - Check for loose connections at both the XLR and Ethernet ends.
 - Inspect the cable for any visible damage or kinks.
- **Noise or Hum:**
 - Ensure all equipment in the signal chain is properly grounded.
 - Verify that the Cat6 cable is shielded, especially in environments with high electromagnetic interference.
 - Check for damaged connectors or cables that might be causing signal degradation.
- **Incorrect Polarity (Phase Issues):**
 - If experiencing phase cancellation or thin sound, check the wiring of your XLR connections. While

LyxPro cables are manufactured to standard, external factors or specific equipment might introduce polarity inversions. A cable tester can help identify this.

8. SPECIFICATIONS

Brand	LyxPro
Model	XLR4-Ethercon4CAT6-25
Part Number	4E625BL
Connector Type	XLR, Ethercon
Cable Type	Ethernet (Cat 6)
Connector Gender	Male-to-Female
Number of Channels	4
Number of Pins (XLR)	3 per channel (12 total)
Connectivity Technology	Ethernet
Indoor/Outdoor Usage	Indoor, Outdoor
Color	Black (breakouts), Blue (Cat6 cable)
Special Features	Braided Shielding, Oxygen-Free Copper (OFC) Conductors, Low Noise Output



Image: Coiled LyxPro RJ45 Cat6 Ethercon cable.



Image: Back view of the coiled LyxPro RJ45 Cat6 Ethernet cable, showing detailed specifications and wiring diagram.

9. WARRANTY AND SUPPORT

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

For additional resources and product information, you may visit the [LyxPro Store on Amazon](#).