

Pro Audio Solutions

4x4 Channel XLR Network Extender

User Manual



RM-4X4XMFRJ45



Thank you for choosing Kopul.

Kopul's 4x4 Channel XLR to RJ45 Network Cable Extender is a simple and economical solution to replace heavy, bulky, and costly audio and DMX snakes with thin, lightweight, and economical ethernet or etherCON cables. Link sound boards, PA systems, multitrack recorders, and DMX-equipped lights with clean and interference-free signals over cable runs that can extend 3000 feet.

Each ethernet cable provides four channels of balanced mic level, AES/EBU, and DMX signals and extend the length of your cable runs without interference, signal loss, or added coloration. This passive network extender requires no external power to operate, and there's no digital audio conversion. Gold-plated XLR connectors assure superb signal transfer and resist corrosion, and durable steel construction stands up to demanding travel and studio environments.

Precautions

- Please read and follow these instructions, and keep this manual in a safe place.
- Do not attempt to disassemble or repair the equipment—doing so will void the warranty, and Kopul will not be responsible for any damage.
- Clean the unit with only a soft, dry cloth.
- Turn volume levels down or turn audio systems off before making connections to and from the Extender.
- A shielded Cat cable must be used in order to pass 48 V phantom power for a condenser microphone.
- All images are for illustrative purposes only.

Connections

Connect the RM-4X4XMFRJ45 with a Cat 5, 5e, 6, or 7 ethernet cable. EtherCON cables provide a locking metal shell that protects the RJ45 connector.

The RM-4X4XMFRJ45 works with dynamic and condenser microphones.

Condenser microphones can receive phantom power only over shielded Cat 5e, Cat 6, or Cat 7 ethernet cables. Check the cable's specs to ensure they're shielded.

The RM-4X4XMFRJ45 is compatible with DMX lights and controllers, as well as pro audio components that output an AES/EBU or analog audio signal.

Ethernet Ports

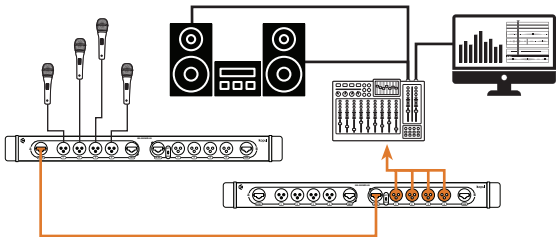
Each extender has two RJ45 connectors for each bank of four XLRs.

The IN/OUT port can be connected to any of Kopul's XLR network extenders to transfer the signal over an ethernet cable. Analog audio, AES/EBU, and DMX signals can be transferred simultaneously on a single cable.

The THRU port is a passthrough connector, which allows you to feed the bank of XLR connectors to an additional destination. See *Expanding Your Setup with the THRU Port* below.

Studio Applications

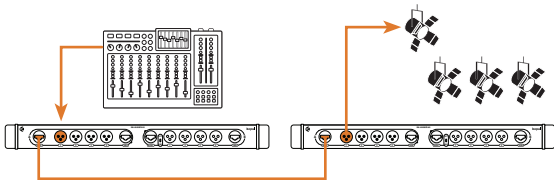
Connect multiple microphones to a back-of-room mixing board or a multitrack recorder.



DMX Lighting Applications

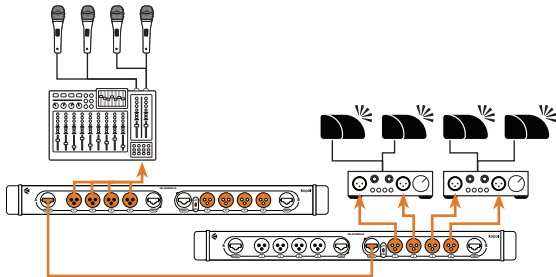
Connect a DMX controller to multiple DJ or theater lights.

Note: Connect a DMX controller to multiple DJ or theater lights.



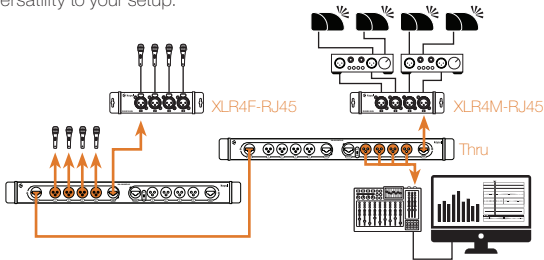
Live Concert and Show Applications

Connect multiple microphones and/or instruments to a front-of-house mixer, and use a CAT cable to transfer the signals to floor monitors.



Expanding Your Setup with the THRU Port

The THRU port adds additional XLR ports to your setup. THRU ports allow you to create different regions on the stage or in the studio. Connect any of Kopul's XLR Network Extenders with CAT cables to add options and versatility to your setup.



Specifications

I/O	Output: XLR Male (×4) Input: XLR Female (×4)
Link	RJ45 (Input ×2, thru ×2)
Power Source	Passive
Signal	Analog Audio, AES/EBU, DMX
Supported Cable Types	XLR Mic/Line, etherCON, Cat 5, Cat 5e, Cat 6, Cat 7
Dimensions (H × W × D)	1.75 × 19 × 3.5 in. (4.4 × 48.3 × 8.9 cm)
Weight	2.7 lb. (1.2 kg)

One-Year Limited Warranty

This Kopul product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Kopul Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Kopul along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.KopulCables.com or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.
www.gradusgroup.com

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