UGREEN 15117

UGREEN 10Gbps Ethernet Extender (Model 15117) - Instruction Manual

1. Introduction

The UGREEN 10Gbps Ethernet Extender is designed to extend the reach of your Ethernet network connection without compromising speed or signal integrity. This compact and durable coupler allows you to connect two shorter Ethernet cables to achieve a longer connection, supporting high-speed data transfer rates up to 10Gbps.

2. Key Features

- **10Gbps Super Speed:** Supports data transfer speeds up to 10Gbps, backward compatible with 1000Mbps, 100Mbps, and 10Mbps networks.
- **Extended Reach:** Effectively extends Ethernet connections up to 328 feet (100 meters) without significant data loss.
- **Stable and Secure Connection:** Features gold-plated copper contacts and an easy snap-in retaining clip for reliable signal transmission.
- **Durable Design:** Constructed with a smooth aluminum alloy shell for enhanced durability, portability, and improved heat dissipation.
- **Universal Compatibility:** Compatible with various Ethernet cable categories including Cat8, Cat7, Cat6A, Cat6, Cat5e, and Cat5.

3. What's in the Box

- 1 x UGREEN Cat 8 Ethernet Coupler

4. Technical Specifications

Specification	Detail
Brand	UGREEN
Model Number	15117
Item Weight	0.353 ounces (10 Grams)
Product Dimensions (LxWxH)	1.2 x 0.94 x 0.88 inches
Color	Space Grey
Hardware Interface	Ethernet (RJ45)
Data Link Protocol	Ethernet
Data Transfer Rate	10 Gigabits Per Second
Compatible Devices	Cat8, Cat7, Cat6A, Cat6, Cat5e, Cat5 Ethernet Cables

5. Setup Instructions

The UGREEN Ethernet Extender is designed for simple plug-and-play functionality. Follow these steps to extend your Ethernet connection:

1. **Prepare Cables:** Ensure you have two Ethernet cables (Cat5, Cat5e, Cat6, Cat6A, Cat7, or Cat8) that you wish to connect.
2. **Connect First Cable:** Insert one end of your first Ethernet cable into one of the RJ45 ports on the UGREEN Ethernet Extender. Ensure it clicks securely into place.
3. **Connect Second Cable:** Insert one end of your second Ethernet cable into the remaining RJ45 port on the UGREEN Ethernet Extender. Ensure it also clicks securely into place.
4. **Connect to Devices:** Connect the free end of the first Ethernet cable to your network device (e.g., router, modem, switch). Connect the free end of the second Ethernet cable to your end device (e.g., computer, laptop, gaming console, smart TV, printer).

Your extended Ethernet connection is now ready for use.



Image: UGREEN Ethernet Extender connecting a network cable to a PC for extended reach.

6. Operating Instructions

Once both Ethernet cables are securely connected to the UGREEN Ethernet Extender and to your respective network and end devices, the extender operates automatically. It facilitates the seamless transfer of data between the connected cables, maintaining high-speed performance up to 10Gbps.
No additional software, drivers, or power supply is required for operation.

7. Maintenance and Care

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the extender. Avoid using liquid cleaners or solvents.
- **Storage:** Store the extender in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Handle the extender and connected cables with care to prevent damage to the RJ45 connectors. Avoid bending cables sharply near the connectors.
- **Environmental Conditions:** Do not expose the device to water, moisture, or high humidity.

8. Troubleshooting

- **No Network Connection:**
  - Ensure both Ethernet cables are fully inserted and clicked into the extender's ports.
  - Verify that the Ethernet cables are correctly connected to your network device (router/modem) and end device (PC/TV).
  - Test the individual Ethernet cables without the extender to ensure they are functional.
  - Check the network status on your end device.
- **Slow Network Speed:**
  - Ensure both connected Ethernet cables are of the appropriate category (Cat5e or higher recommended for 1Gbps, Cat6A or higher for 10Gbps).
  - Verify that your network devices (router, switch, network card) support the desired speed.
  - Avoid excessively long cable runs beyond the recommended 328 feet for optimal performance.
- **Intermittent Connection:**
  - Check for any physical damage to the extender or the Ethernet cables.
  - Ensure the connections are tight and not loose.
  - Minimize electromagnetic interference by keeping the extender away from power cables or other electronic devices.

9. Product Visuals



Image: The UGREEN Ethernet Extender highlighting its 10Gbps speed capability.



Image: Diagram illustrating the ability to extend cable length up to 328 feet without signal loss.



Image: Close-up view of the sleek aluminum alloy design, emphasizing durability and heat dissipation.



Light and Portable

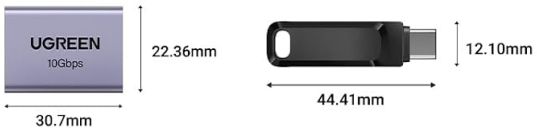


Image: The extender held in a hand, demonstrating its light and portable nature with dimensions.

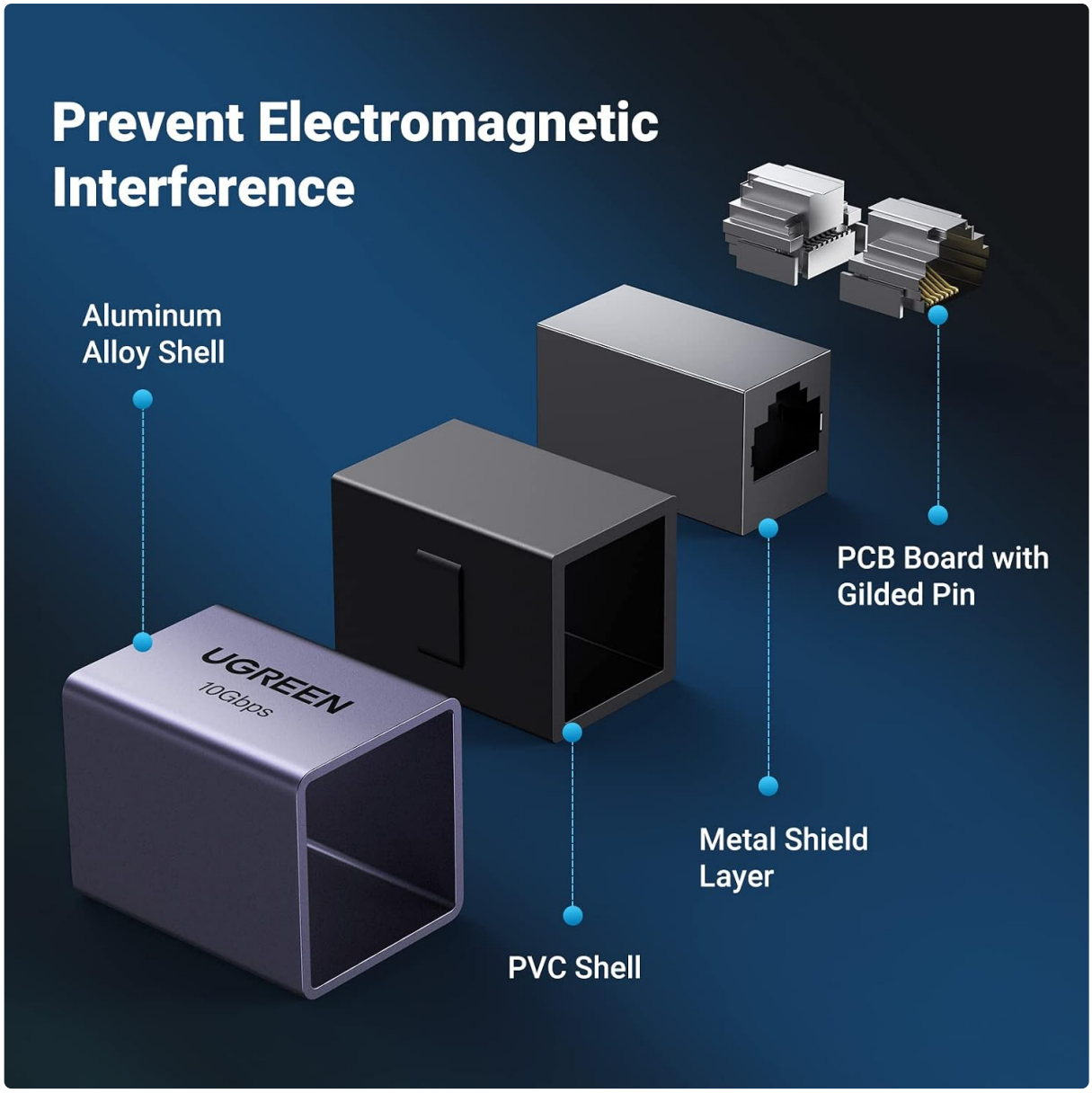


Image: An exploded view showing the internal structure, including aluminum alloy shell, metal shield layer, and PCB board with gilded pin, designed to prevent electromagnetic interference.

Note: No official product videos from a 'Seller' creator type were available for embedding based on the provided data.

10. Warranty and Support

For warranty information and customer support, please refer to the official UGREEN website or contact UGREEN customer service directly. Details can typically be found on the product packaging or on the UGREEN brand store page.
UGREEN Brand Store: Visit UGREEN Store on Amazon