UGREEN 20390

UGREEN RJ45 Coupler Ethernet Extender Instruction Manual

Model: 20390

Introduction

The UGREEN RJ45 Coupler Ethernet Extender (Model 20390) is designed to extend the reach of your Ethernet network cables. This female-to-female connector allows you to join two shorter Ethernet cables to create a longer connection, eliminating the need for a single, very long cable. It supports high-speed data transmission up to 1000Mbps and is compatible with Cat7, Cat6, Cat5e, and Cat5 network cables, ensuring a stable and reliable connection for various devices.



Image: UGREEN RJ45 Coupler Ethernet Extender, a compact black connector.

Setup

Setting up the UGREEN RJ45 Coupler is a simple plug-and-play process. No software installation or configuration is

required.

1. **Prepare Cables:** Ensure you have two Ethernet cables (Cat5, Cat5e, Cat6, or Cat7) that you wish to connect.
2. **Connect First Cable:** Insert the RJ45 connector of the first Ethernet cable into one end of the UGREEN RJ45 Coupler until it clicks securely into place.
3. **Connect Second Cable:** Insert the RJ45 connector of the second Ethernet cable into the other end of the UGREEN RJ45 Coupler until it clicks securely into place.
4. **Verify Connection:** Gently tug on both cables to ensure they are firmly seated in the coupler. The connection is now established.



Image: The UGREEN RJ45 Coupler connected between two Ethernet cables, extending the connection to a laptop.

Operating Instructions

The UGREEN RJ45 Coupler operates as a passive inline connector. Once the Ethernet cables are securely connected, the coupler facilitates the seamless transmission of data between the two cables. There are no active components or power requirements for its operation.

- **Automatic Detection:** The connected devices will automatically detect the extended network connection.
- **High-Speed Transmission:** The coupler is designed to maintain high-speed data transmission up to 1000Mbps (1 Gigabit per second), provided the connected Ethernet cables and network equipment also support these speeds.
- **Secure Connection:** The snap-in retaining clips ensure a secure and stable physical connection, minimizing signal loss or interruptions.



Image: A graphic illustrating the high-speed data transmission capabilities of the UGREEN RJ45 Coupler, supporting up to 1000Mbps.

Maintenance

The UGREEN RJ45 Coupler requires minimal maintenance to ensure optimal performance and longevity.

- **Cleaning:** Periodically wipe the exterior of the coupler with a soft, dry cloth to remove dust. Avoid using liquid cleaners or solvents.
- **Storage:** When not in use, store the coupler in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid excessive force when inserting or removing Ethernet cables to prevent damage to the RJ45 ports or the cable connectors.
- **Environmental Conditions:** Do not expose the coupler to moisture, humidity, or corrosive environments.

Troubleshooting

If you encounter issues while using the UGREEN RJ45 Coupler, refer to the following troubleshooting steps:

- **No Network Connection:**
  - Ensure both Ethernet cables are fully inserted into the coupler and click into place.
  - Check that both Ethernet cables are functional by testing them individually or with other devices.
  - Verify that the network devices (router, modem, computer) are powered on and configured correctly.
  - Confirm that the Ethernet cables are compatible with the coupler (Cat5, Cat5e, Cat6, Cat7).
- **Slow Network Speed:**
  - Ensure all connected cables are rated for the desired speed (e.g., Cat6 or Cat7 for Gigabit speeds). Using older or lower-category cables may limit performance.
  - Check for any damage to the Ethernet cables or the coupler itself.
  - Test the network speed without the coupler to determine if the issue lies with the coupler or other network components.
  - Minimize cable length if possible, as very long cable runs can sometimes introduce signal degradation.
- **Intermittent Connection:**
  - Ensure the cables are securely latched into the coupler. A loose connection can cause intermittent drops.

- Inspect the RJ45 connectors on the cables and the ports on the coupler for any bent pins or debris.
- Avoid placing the coupler near sources of strong electromagnetic interference.

Specifications

Model Number	20390
Product Dimensions	1.69 x 0.98 x 0.9 inches
Item Weight	0.634 ounces
Connector Type	RJ45 Female to Female
Compatibility	Cat7, Cat6, Cat5e, Cat5 Ethernet Cables
Transmission Speed	Up to 1000Mbps (1 Gigabit)
Material	Durable ABS+PBT, Nickel-plated contacts
Color	Black



Image: An exploded view of the UGREEN RJ45 Coupler, detailing its internal structure including high-quality ABS, thick PCB board, PBT plastic, pure copper-coated contacts, and pure copper nickel-plated shielding.



Image: The UGREEN RJ45 Coupler displaying its compact dimensions: Length 1.65 inches, Width 0.98 inches, Height 0.90 inches.

Warranty and Support

UGREEN products typically come with a standard manufacturer's warranty. Please refer to the product packaging or the official UGREEN website for specific warranty terms and conditions applicable to your region.
For technical support, product inquiries, or warranty claims, please contact UGREEN customer service through their official website or the retailer from whom you purchased the product. Keep your purchase receipt and product model number (20390) handy for faster service.
Official UGREEN Website: www.ugreen.com

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