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› ASHATA USB to RJ45 Ethernet Extension Adapter User Manual

ASHATA Richer-Rxmth50nrvg

ASHATA USB to RJ45 Ethernet Extension Adapter User Manual

Model: Richer-Rxmth50nrvg

1. INTRODUCTION

This manual provides instructions for the ASHATA USB to RJ45 Ethernet Extension Adapter. This device allows for the extension of a USB signal over a standard Cat5/Cat6 Ethernet cable, enabling USB devices to be used at greater distances from a computer.

2. SAFETY INFORMATION

- Do not expose the device to moisture or extreme temperatures.
- Avoid dropping or subjecting the device to strong impacts.
- Use only with compatible Cat5/Cat6 Ethernet cables.
- Do not attempt to disassemble or repair the device. Refer to qualified personnel for service.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x USB to RJ45 Extension Cable (USB Female unit)
- 1 x USB to RJ45 Extension Cable (USB Male unit)

4. PRODUCT OVERVIEW

The ASHATA USB to RJ45 Ethernet Extension Adapter consists of two main units: a USB Female unit and a USB Male unit. These units are designed to work in conjunction with a standard Ethernet cable to extend USB connectivity.



Image 1: The two components of the ASHATA USB to RJ45 Ethernet Extension Adapter.



Image 2: Close-up view of the USB and RJ45 connectors on the extension adapter units.

4.1 Key Features

- Extends USB device distance up to 150 ft (approximately 45 meters).
- Compatible with USB 2.0 specifications.
- Plug and Play functionality; no external power required.
- Suitable for Cat5/RJ45/Cat6 patch cords.
- Ideal for use with USB cameras, printers, web cameras, keyboards, and other USB devices.



Image 3: Illustration of various devices such as cameras, mice, keyboards, and printers connected using the USB to RJ45 extension adapter.

5. SETUP INSTRUCTIONS

Follow these steps to set up your USB to RJ45 Ethernet Extension Adapter:

1. **Connect the USB Female Unit:** Plug the USB Male end of the USB Female unit into an available USB port on your computer or host device.
2. **Connect the USB Device:** Plug your USB device (e.g., camera, printer, keyboard) into the USB Female port of the USB Female unit.
3. **Connect the Ethernet Cable:** Insert one end of a standard Cat5 or Cat6 Ethernet patch cord into the RJ45 port of the USB Female unit.
4. **Connect the USB Male Unit:** Insert the other end of the Ethernet patch cord into the RJ45 port of the USB Male unit.
5. **Connect to USB Device (if applicable):** If your USB device has its own USB cable, plug the USB Male end of the USB Male unit into the USB port of your device. (Note: For devices like keyboards/mice, the USB Male unit connects to the device's USB input, and the device itself connects to the USB Female unit's USB port.)

The connection should now be established. The system is designed for plug-and-play operation, requiring no additional drivers or software for most operating systems.

6. OPERATING INSTRUCTIONS

Once properly connected, the ASHATA USB to RJ45 Ethernet Extension Adapter operates transparently. Your computer will recognize the connected USB device as if it were directly plugged into a local USB port.

- Ensure the Ethernet cable connecting the two adapter units is securely seated in both RJ45 ports.
- The adapter is powered via the USB port of the host computer, eliminating the need for an external power supply.
- For optimal performance, use a high-quality Cat5e or Cat6 Ethernet cable.

7. MAINTENANCE

The ASHATA USB to RJ45 Ethernet Extension Adapter requires minimal maintenance.

- Keep the adapter units and cables clean and free from dust. Use a soft, dry cloth for cleaning.
- Store the device in a cool, dry place when not in use.
- Avoid bending the cables sharply or applying excessive force to the connectors.

8. TROUBLESHOOTING

If you encounter issues with your ASHATA USB to RJ45 Ethernet Extension Adapter, refer to the following common solutions:

- **Device not recognized:**
 - Ensure all connections (USB to computer, USB device to adapter, Ethernet cable between adapters) are secure.
 - Try a different USB port on your computer.
 - Test with a different Ethernet cable.
 - Verify that the USB device works when connected directly to the computer.
 - Restart your computer.
- **Intermittent connection:**
 - Check the quality and length of your Ethernet cable. Very long or low-quality cables can affect signal integrity.
 - Ensure there are no kinks or damage to the Ethernet cable.
- **Slow data transfer:**
 - While the adapter supports USB 2.0, actual speeds can be affected by cable length and quality.
 - Ensure your computer's USB port is functioning correctly.

9. SPECIFICATIONS

Brand	ASHATA
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Model Number	Richer-Rxmth50nrvg
Color	Black
Connector Type	USB 2.0, RJ45
Extension Distance	Up to 150 ft (approx. 45 meters)
Compatible Cable	Cat5/Cat6 Ethernet Patch Cord
Power Source	USB Bus-Powered (No external power required)
Item Weight	1.69 ounces
Compatible Devices	Cameras, PC, Printer, Web Cameras, Keyboard, Mouse



Image 4: Diagram showing the approximate dimensions of the USB to RJ45 extension adapter units.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact the ASHATA customer service team through your original point of purchase. Please have your model number (Richer-Rxmth50nrvg) and purchase details ready when contacting support.

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