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› StarTech.com USB 3.0 to Gigabit Ethernet Adapter (Model USB31000S2) Instruction Manual

StarTech.com USB31000S2

StarTech.com USB 3.0 to Gigabit Ethernet Adapter Instruction Manual

Model: USB31000S2

PRODUCT OVERVIEW

The StarTech.com USB 3.0 to Gigabit Ethernet Adapter provides a reliable wired network connection for your computer or notebook. It adds an RJ45 Ethernet port to devices lacking one, supporting data transfer speeds up to 10/100/1000 Mbps (Gigabit Ethernet). This adapter is ideal for ensuring a stable and fast internet connection, especially in environments where Wi-Fi may be unreliable or slower.



Image: The StarTech.com USB 3.0 to Gigabit Ethernet Adapter, featuring a compact gray housing with an attached USB-A cable.

WHAT'S IN THE BOX

- 1 x StarTech.com USB 3.0 to Gigabit Ethernet Adapter (Model: USB3100S2)

SETUP

1. Connect the Adapter:

Plug the USB-A connector of the adapter into an available USB 3.0 (or USB 2.0 for backward compatibility) port on your computer or laptop.



Image: The USB to Ethernet adapter with its USB-A connector plugged into the side of a laptop, and the Ethernet port ready for connection.

2. **Connect to Network:**

Connect a standard RJ45 Ethernet cable (not included) from your router, modem, or network switch to the RJ45 port on the adapter.





Image: A close-up view of the adapter's RJ45 port with an Ethernet cable securely inserted, showing the connection indicator lights.

3. Driver Installation (Plug and Play):

The adapter is designed for plug-and-play functionality. In most cases, your operating system (Windows, macOS, Linux, Chrome OS) will automatically detect the device and install the necessary drivers. No manual driver installation is typically required.

4. **Verify Connection:**

Once connected, check the LED indicators on the adapter. A solid light usually indicates a successful link, and a blinking light indicates network activity. You can also verify the connection status in your operating system's network settings.

OPERATING INSTRUCTIONS

The StarTech.com USB 3.0 to Gigabit Ethernet Adapter operates automatically once connected and drivers are installed. It provides a stable wired network connection, functioning as a primary or secondary network interface for your device.

Key Features:

- **Gigabit Speeds:** Supports 10/100/1000 Mbps network speeds for fast data transfer.
- **USB Bus Powered:** Draws power directly from the USB port, eliminating the need for an external power adapter.
- **Diagnostic LEDs:** Integrated LEDs provide visual status of link and activity.
- **Attached Cable:** The 11.8in/30cm attached cable offers flexibility and reduces strain on the USB port.
- **Wide OS Compatibility:** Compatible with Windows (7/8/10/11/Server), macOS (10.14/10.15/11.0/12.0), Linux (kernel 4.11 to 5.9.16 LTS), and Chrome OS.

Usage Tips:

- For optimal performance, connect the adapter to a USB 3.0 port on your computer.
- Ensure your Ethernet cable is in good condition and properly connected to both the adapter and your network device.
- If using with a docking station or USB hub, ensure the hub provides sufficient power and data bandwidth.

TROUBLESHOOTING

No Network Connection:

Check Physical Connections: Ensure the USB connector is fully inserted into your computer's USB port and the Ethernet cable is securely connected to both the adapter and your network device (router/modem).

Verify LED Indicators: Check if the link/activity LEDs on the adapter are lit. If not, try a different USB port or Ethernet cable.

Restart Devices: Restart your computer, router, and modem. Sometimes a simple restart can resolve connectivity issues.

Check Device Manager (Windows): In Windows, open Device Manager and look under "Network adapters" for the StarTech.com adapter. If there's a yellow exclamation mark, it indicates a driver issue. Try updating the driver or reinstalling it.

Check Network Preferences (macOS/Linux): In macOS or Linux, verify that the new Ethernet interface is recognized and configured correctly in your network settings.

Slow Network Speeds:

Use USB 3.0 Port: Ensure the adapter is connected to a USB 3.0 port on your computer for optimal Gigabit speeds. USB 2.0 ports will limit the speed.

Check Ethernet Cable: Use a Cat5e or Cat6 Ethernet cable for Gigabit speeds. Older Cat5 cables may limit

performance.

Network Congestion: High network traffic or issues with your internet service provider can affect speeds. Test with other devices on your network.

Adapter Not Recognized:

Try Different USB Port: Test the adapter in another USB port on your computer.

Test on Another Computer: If possible, try the adapter on a different computer to determine if the issue is with the adapter or your original computer.

Operating System Updates: Ensure your operating system is up to date, as this can include necessary driver updates.

SPECIFICATIONS

| Feature | Detail |
|------------------------|---|
| Brand | StarTech.com |
| Model Number | USB31000S2 |
| Host Interface | USB 3.2 Gen 1 Type-A (USB 3.0) |
| Network Interface | RJ45 Ethernet Port |
| Data Link Protocol | Gigabit Ethernet (10/100/1000BaseT) |
| Data Transfer Rate | Up to 1000 Mbps (1 Gbps) |
| Chipset ID | Realtek RTL8153 |
| Cable Length | 11.8 inches (30 cm) |
| Color | Space Gray |
| Dimensions (L x W x H) | 0.9" x 0.6" x 7.7" (22.86mm x 15.24mm x 195.58mm) |
| Item Weight | 0.03 lbs (13.6 g) |
| OS Compatibility | Windows (7/8/10/11/Server), macOS (10.14/10.15/11.0/12.0), Linux (kernel 4.11 to 5.9.16 LTS), Chrome OS |

MAINTENANCE

- Keep the adapter clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the adapter to extreme temperatures or humidity.
- Do not bend or crimp the attached USB cable excessively to prevent internal damage.
- Store the adapter in a safe place when not in use to prevent physical damage.

WARRANTY AND SUPPORT

This StarTech.com product is backed by a **2-Year Warranty**. For technical support, driver downloads, or further assistance, please visit the official StarTech.com website or contact their customer service.

Online Resources: www.startech.com

StarTech USB to Gig Ethernet. Every tech needs one of these.

Your browser does not support the video tag.

Video: An overview of the StarTech USB to Gigabit Ethernet adapter, highlighting its features and benefits for tech professionals and everyday users. Presented by Tony and Jay.

Startech USB to gigabit adapter

Your browser does not support the video tag.

Video: A demonstration of the StarTech USB to Gigabit Ethernet adapter, showing its physical characteristics and how it connects to a device. Presented by Stephen Wiggins.