UGREEN 20254

UGREEN USB 2.0 to Ethernet Adapter User Manual

Model: 20254

Enhance your network connectivity with a stable and reliable wired connection.

1. PRODUCT OVERVIEW

The UGREEN USB 2.0 to Ethernet Adapter (Model: 20254) provides a reliable and stable wired network connection for devices lacking an Ethernet port or with a malfunctioning one. It offers a significant upgrade over wireless connections, ensuring faster data transfer and reduced latency for activities like online gaming, HD video streaming, uploading, and downloading.

Figure 1: UGREEN USB 2.0 to Ethernet Adapter. This image shows the compact black adapter with a USB-A connector on one end and an RJ45 Ethernet port on the other, featuring "UGREEN" branding and LED indicators.

2. KEY FEATURES

- **More Stable Wired Network:** Provides a faster and more reliable network connection compared to Wi-Fi, reducing lag and buffering during online gaming or HD video streaming. It also helps avoid Wi-Fi interference and privacy concerns.

- **RJ45 Network Port Extension:** Effectively extends the network port for your devices, ideal for situations where a device lacks a built-in Ethernet port or if the existing one is not functional.

- **Super Speed 100 Mbps:** Capable of transferring data at speeds up to 100 Mbps, ensuring full network performance for various online activities.

- **Wide Compatibility:** Compatible with a range of devices including Nintendo Switch Dock, desktop computers, laptops, and TV boxes. Driver-free on Windows 11/10/8.1/8, Mac OS, and Chrome OS. Drivers are required for Windows XP/7/Vista and Linux.

- **Small and Portable:** Features a compact design, making it easy to carry in a bag or pocket, ideal for travel or business use.

100 Mbps USB-A to Ethernet Adapter

Note: The product provides a maximum network speed of 100Mbps
(Please make sure your device supports)

Wifi
10Mbps

Wired
100Mbps

Figure 2: Speed comparison illustrating the 100 Mbps wired connection provided by the adapter versus typical 10 Mbps Wi-Fi. This highlights the performance benefit of a wired connection.

Figure 3: A user working on a laptop connected to the UGREEN USB Ethernet adapter, demonstrating its use for stable and smooth online work from home or while traveling.

3. SPECIFICATIONS

Attribute	Detail
Model Number	20254
Brand	UGREEN
Product Dimensions	12 x 18 x 3 cm
Item Weight	40 grams
Hardware Interface	Ethernet, USB 2.0 A
Data Link Protocol	IEEE 802.3, Ethernet, USB, Fast Ethernet
Data Transfer Rate	100 Megabits per second
Color	Black

Compatible Devices	Laptop, Desktop PC, Nintendo Switch Dock, TV Box
Country of Origin	China

4. SETUP GUIDE

Follow these steps to set up your UGREEN USB 2.0 to Ethernet Adapter:

1. **Connect the Adapter:** Insert the USB-A connector of the adapter into an available USB 2.0 (or higher) port on your computer, laptop, Nintendo Switch Dock, or TV Box.

2. **Connect Ethernet Cable:** Plug one end of an Ethernet cable (RJ45) into the Ethernet port of the UGREEN adapter and the other end into your router, modem, or network switch.

3. **Driver Installation (if required):**
   - **Windows 11/10/8.1/8, Mac OS, Chrome OS:** The adapter is typically plug-and-play. Your system should automatically detect and install the necessary drivers.
   - **Windows XP/7/Vista, Linux:** Driver installation is required. Please refer to the included driver CD (if applicable) or visit the official UGREEN website for the latest drivers and installation instructions.

4. **Verify Connection:** Once connected, check the LED indicators on the adapter (see Section 5) to confirm a successful network link.

Figure 4: Illustration of the easy setup process for the UGREEN USB Ethernet adapter, showing a laptop connected to the adapter and various application icons, indicating seamless integration.

5. OPERATING INSTRUCTIONS

The UGREEN USB 2.0 to Ethernet Adapter operates automatically once connected and drivers are installed (if needed). The LED indicators provide visual feedback on the network status:
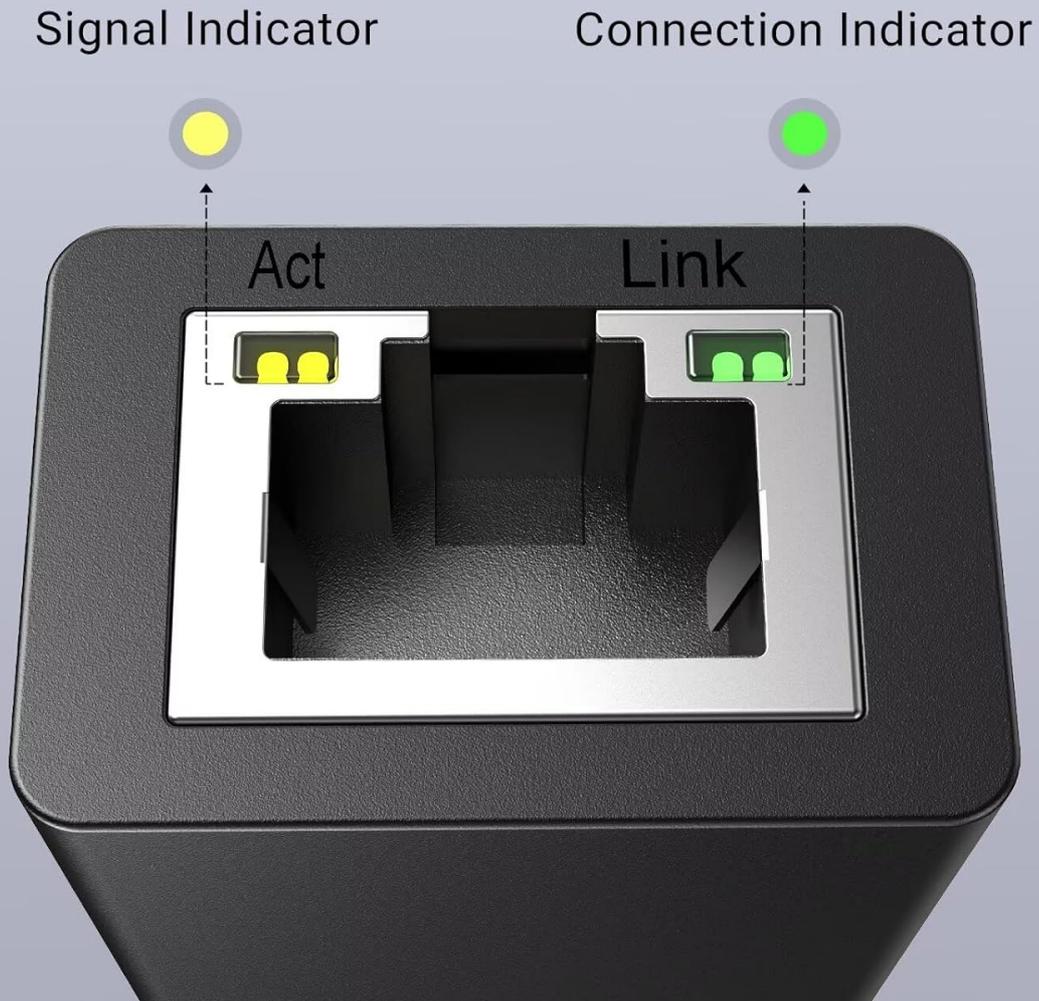
Figure 5: Close-up view of the LED indicators on the UGREEN USB Ethernet adapter's RJ45 port. It shows the "Act" (Activity) indicator and the "Link" (Connection) indicator.

- **Link Indicator (Green):**
    - **Solid Green:** Indicates a successful network connection.
    - **Off:** No network connection detected.

- **Act Indicator (Yellow):**
    - **Flashing Yellow:** Indicates data activity (data being transmitted or received).
    - **Off:** No data activity.

Ensure both indicators are active (Link solid, Act flashing during use) for optimal performance.

6. COMPATIBILITY

The UGREEN USB 2.0 to Ethernet Adapter offers broad compatibility with various operating systems and devices. Please refer to the table below for detailed compatibility information:

Equipment Type	Model	Compatibility
Systems	Windows 11/10/8.1/8	✅ (Plug and Play)
	Mac OS	✅ (Plug and Play)
	Chrome OS	✅ (Plug and Play)
	Windows XP/7/Vista	✅ (Driver Needed)
	Linux	✅ (Driver Needed)
PC	Laptop (with USB-A Port)	✅
	Desektop(with USB-A Port)	✅
Nintendo Switch	Nintendo Switch Dock	✅
	Nintendo Switch OLED Dock	✅
	Nintendo Switch Console	❌
	Nintendo Switch OLED Console	❌
	Nintendo Switch Lite	❌
Wii	Wii	❌
	Wii U	❌
	Wii Family Edition	❌
	Wii Mini	❌
	Other Wii Devices	❌
TV Box	Roku Streambar	✅
	Other TV Box	❌
TV	/	❌
Fire TV Stick	/	❌

Figure 6: Detailed compatibility table for the UGREEN USB Ethernet adapter, showing supported operating systems (Windows, Mac OS, Chrome OS, Linux) and devices (PC, Nintendo Switch, TV Box, TV, Fire TV Stick).

Important Compatibility Notes:

- **Nintendo Switch:** The adapter is compatible only when connected to the **Nintendo Switch Dock** or **Nintendo Switch OLED Dock**. It is **not compatible** with the Nintendo Switch Console, Nintendo Switch OLED Console, or Nintendo Switch Lite directly.

- **Wii Devices:** This adapter is **not compatible** with any Wii devices, including Wii, Wii U, Wii Family Edition, or Wii Mini.

- **Driver Requirements:**
  - **Plug & Play:** Windows 11/10/8.1/8, Mac OS, Chrome OS.
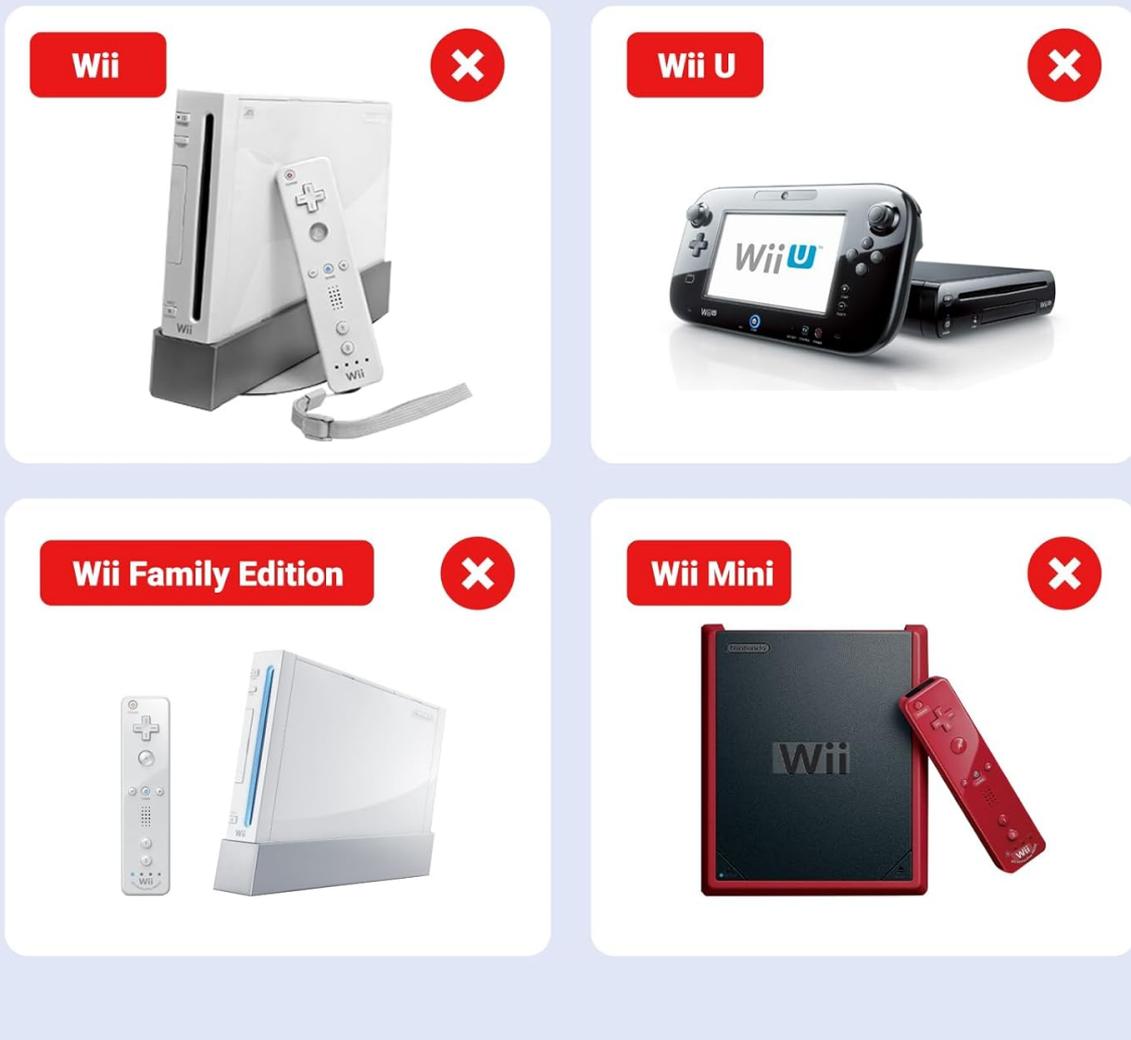 - **Driver Needed:** Windows XP/7/Vista, Linux.

Figure 7: Visual representation explicitly showing the UGREEN USB Ethernet adapter is not compatible with Wii, Wii U, Wii Family Edition, and Wii Mini devices.

7. TROUBLESHOOTING

If you encounter issues with your UGREEN USB 2.0 to Ethernet Adapter, please refer to the following common troubleshooting steps:

- **No Network Connection:**
  - Ensure the USB adapter is securely plugged into your device's USB port.
  - Check that the Ethernet cable is firmly connected to both the adapter and your router/modem.
  - Verify that your router/modem is powered on and functioning correctly.
  - If using Windows XP/7/Vista or Linux, ensure the correct drivers are installed.
  - Try connecting the adapter to a different USB port on your device.
  - Test with a different Ethernet cable if possible.

- **Slow Network Speed:**
  - Confirm your internet service provider (ISP) plan supports the expected speeds.

- Ensure your Ethernet cable is not damaged and is rated for Fast Ethernet (Cat5e or higher recommended).
- Check for other devices on your network consuming significant bandwidth.
- Restart your router/modem and your connected device.
- Ensure no conflicting network adapters are enabled on your device.

- **Adapter Not Recognized:**
  - For Windows XP/7/Vista or Linux, manually install the drivers from the UGREEN website.
  - Try connecting the adapter to another device to determine if the issue is with the adapter or the original device.
  - Check your device's Device Manager (Windows) or System Information (Mac) to see if the adapter is listed, even with an error.

- **LED Indicators Not Lighting Up:**
  - Ensure the adapter is properly connected to a powered USB port.
  - Check the Ethernet cable connection.
  - If the issue persists, the adapter may be faulty.

8. MAINTENANCE

To ensure the longevity and optimal performance of your UGREEN USB 2.0 to Ethernet Adapter, follow these simple maintenance guidelines:

- **Keep Clean:** Regularly wipe the adapter with a soft, dry cloth to remove dust and dirt. Avoid using liquid cleaners or abrasive materials.
- **Protect from Damage:** Avoid bending or twisting the cable excessively. Do not expose the adapter to extreme temperatures, humidity, or direct sunlight.
- **Proper Storage:** When not in use, store the adapter in a cool, dry place, away from potential physical damage.
- **Handle with Care:** Always grasp the adapter by its body when plugging or unplugging, rather than pulling on the cable.

9. WARRANTY AND SUPPORT

UGREEN products are designed for reliability and performance. For information regarding warranty coverage, technical support, or to download the latest drivers, please visit the official UGREEN website or contact their customer service directly.

For further assistance, please refer to the contact information provided with your product packaging or on the UGREEN official website.

Related Documents - 20254

	UGREEN CR110 USB 2.0 to 10/100 Ethernet Adapter User Manual User manual for the UGREEN CR110 USB 2.0 to 10/100 Ethernet Network Adapter. Includes installation instructions, package contents, and troubleshooting information in multiple languages.
	UGREEN USB-C to RJ45 Gigabit Ethernet Adapter User Manual Official user manual for the UGREEN USB-C to RJ45 Gigabit Ethernet Adapter, including package contents, important notes, warranty information, contact details, and FCC compliance.
	UGREEN CM418 USB-C Multifunction Docking Station User Manual and Specifications Comprehensive user manual and technical specifications for the UGREEN CM418 USB-C Multifunction Docking Station, detailing its ports, functionality, usage notes, and package contents.
	UGREEN Bluetooth 5.0 Receiver Adapter User Manual Detailed user manual for the UGREEN Bluetooth 5.0 Receiver Adapter (Models CM122, CM123). Learn about specifications, operation, pairing, troubleshooting, and safety guidelines.
	UGREEN CM448 AC650 Dual-Band Wireless USB Adapter User Manual | Setup & Specifications User manual for the UGREEN CM448 AC650 Dual-Band Wireless USB Adapter. Provides setup instructions, specifications, LED indicator status, compliance information, and warranty details for this Wi-Fi USB adapter.
	Instrukcja obsługi adaptera Wi-Fi USB dwuzakresowego UGREEN CM448 AC650 11ac Szczegółowy przewodnik użytkownika dla dwuzakresowego adaptera sieciowego USB UGREEN CM448 AC650 11ac. Zawiera informacje o zawartości opakowania, specyfikacjach technicznych, instrukcji instalacji sterowników, konfiguracji sieci Wi-Fi, środkach ostrożności i zgodności z przepisami.