

Everest SG-1600

Everest SG-1600 ADSL Modem User Manual

Model: SG-1600

1. INTRODUCTION

This manual provides detailed instructions for the installation, configuration, operation, and maintenance of your Everest SG-1600 ADSL Modem. Please read this manual thoroughly before using the device to ensure proper setup and optimal performance. The SG-1600 is designed to provide reliable internet connectivity with its ADSL modem, 4-port Ethernet switch, and 300Mbps wireless capabilities.



Figure 1: Everest SG-1600 ADSL Modem. This image displays the front of the modem, highlighting its two external antennas and status indicator lights.

2. PACKAGE CONTENTS

Verify that all items are present in your package. If any item is missing or damaged, please contact your retailer.

- Everest SG-1600 ADSL Modem
- Power Adapter
- Ethernet Cable (RJ-45)
- ADSL Cable (RJ-11)
- Quick Installation Guide (this manual)

3. PRODUCT FEATURES

The Everest SG-1600 ADSL Modem offers a range of features designed for efficient home and small office networking:

- **High-Speed Connectivity:** Supports up to 300 Mbps wireless connection speed.
- **Enhanced Wireless Coverage:** Equipped with two 5 dBi external antennas for improved signal strength and range.
- **Multiple Wired Connections:** Features 4 Ethernet ports for connecting multiple wired devices.
- **ADSL Functionality:** Integrated ADSL modem for direct connection to your internet service provider's ADSL line.
- **Bridge Mode:** Compatible with bridge mode configurations for flexible network setups.

4. SETUP

4.1 Physical Connection

1. **Connect ADSL Line:** Connect one end of the ADSL cable (RJ-11) to the ADSL port on the modem and the other end to your telephone line wall jack (ensure a splitter is used if you also have a telephone connected).
2. **Connect Ethernet Devices:** Connect your computer or other network devices to any of the 4 Ethernet ports on the modem using an Ethernet cable (RJ-45).
3. **Connect Power:** Connect the power adapter to the modem's power input and then plug it into a standard electrical outlet.
4. **Power On:** Press the power button on the modem. Wait for the indicator lights (Power, ADSL, Internet, WLAN, LAN) to stabilize.

4.2 Initial Configuration (Web Interface)

To configure your modem, you will need to access its web-based management interface:

1. Ensure your computer is connected to the modem via Ethernet or Wi-Fi.
2. Open a web browser (e.g., Chrome, Firefox, Edge).
3. In the address bar, type the modem's default IP address (commonly **192.168.1.1** or **192.168.0.1**) and press Enter. Refer to the label on the bottom of your modem for the exact IP address and default login credentials.
4. Enter the default username and password (commonly **admin/admin** or **admin/password**).
5. Follow the on-screen setup wizard to configure your ADSL connection settings (VPI/VCI, connection type like PPPoE or Bridge) and wireless network (SSID, password, security type). These settings are typically provided by your Internet Service Provider (ISP).

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

Once configured, the modem will automatically connect to the internet. You can connect devices via Ethernet or Wi-Fi using the configured network name (SSID) and password.

5.2 Monitoring Status

The LED indicators on the front panel provide information about the modem's status:

- **Power:** Solid green when the modem is powered on.
- **ADSL:** Solid green when ADSL line is synchronized. Blinking indicates synchronization in progress.
- **Internet:** Solid green when connected to the internet.
- **WLAN:** Solid green when wireless is active. Blinking indicates data transmission.
- **LAN (1-4):** Solid green when an Ethernet device is connected to the corresponding port. Blinking indicates

data transmission.

6. MAINTENANCE

6.1 Cleaning

Clean the modem with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure the device is powered off and unplugged before cleaning.

6.2 Firmware Updates

Periodically check the manufacturer's website for firmware updates. Firmware updates can improve performance, add new features, and fix bugs. Follow the instructions provided with the firmware update carefully.

6.3 Factory Reset

If you encounter persistent issues or forget your login credentials, you can reset the modem to its factory default settings. Locate the reset button (usually a small pinhole) on the modem. With the modem powered on, use a paperclip or similar pointed object to press and hold the reset button for approximately 5-10 seconds until the lights flash. The modem will restart with default settings, requiring re-configuration.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Everest SG-1600 ADSL Modem.

- **No Internet Connection:**

- Check if the ADSL and Internet indicator lights are solid green. If not, verify ADSL cable connection and contact your ISP.
- Ensure your ADSL settings (VPI/VCI, connection type) are correctly configured in the modem's web interface.
- Restart the modem and your computer.

- **Slow Internet Speed:**

- Check for interference if using Wi-Fi (e.g., other electronic devices, thick walls).
- Ensure your modem's firmware is up to date.
- Test speed with a wired connection to rule out Wi-Fi issues.

- **Cannot Access Web Interface:**

- Verify your computer's IP address is in the same subnet as the modem (e.g., 192.168.1.x if modem is 192.168.1.1).
- Try a different web browser.
- Perform a factory reset if you suspect incorrect settings or forgotten credentials.

- **Wireless Connection Issues:**

- Ensure WLAN LED is solid green.
- Verify the Wi-Fi password and security settings on your devices.
- Try changing the wireless channel in the modem's settings to avoid interference.

8. SPECIFICATIONS

Brand	Everest
Model Number	SG-1600
Connectivity Technology	Ethernet
Port Count	4 (Ethernet)
Data Transfer Rate	300 Megabits per second
Antennas	2 x 5 dBi
Compatible Devices	Personal Computers, Laptops, Routers
Color	White
Product Weight	0.58 Kilograms
Origin Country	China

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Everest SG-1600 ADSL Modem comes with a **2-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact your retailer or the Everest customer support service. Refer to the product packaging or the manufacturer's official website for contact details.