

TP-Link Archer VR2100

TP-Link Archer VR2100 AC2100 Mbps VDSL/ADSL Modem Router

PRODUCT INSTRUCTION MANUAL

1. Introduction

Welcome to the user manual for your TP-Link Archer VR2100 AC2100 VDSL/ADSL Modem Router. This manual provides comprehensive instructions for setting up, operating, and maintaining your device. The Archer VR2100 is designed to deliver ultra-high-speed internet connectivity with Super VDSL (VDSL2 Profile 35b) technology, supporting speeds up to 350 Mbps. It also features dual-band Wi-Fi with speeds up to 1733 Mbps on 5 GHz and 300 Mbps on 2.4 GHz, 4x4 MU-MIMO for efficient data transmission, and a USB 3.0 port for versatile connectivity options, including 3G/4G dongle backup.

2. Package Contents

Please verify that all items are present in your package:

- TP-Link Archer VR2100 Modem Router
- External DSL Splitter
- RJ11 DSL Cable
- RJ45 Ethernet Cable
- Power Adapter
- Quick Start Guide

3. Product Overview

3.1 Front Panel

The front panel features LED indicators that provide real-time status of the modem router's operation.



Image: Front view of the Archer VR2100, showcasing its sleek black design with three external antennas and a central LED indicator strip.

Power LED: Indicates power status.

DSL LED: Indicates DSL connection status.

Internet LED: Indicates internet connectivity status.

Wi-Fi LEDs (2.4GHz/5GHz): Indicate wireless network activity.

LAN LEDs: Indicate status of wired LAN connections.

USB LED: Indicates USB port activity.

3.2 Rear Panel

The rear panel contains all the necessary ports for connecting the modem router to your network and devices.



Image: Rear view of the Archer VR2100, displaying the power input, four Gigabit LAN ports, one LAN/WAN port, a Reset button, a USB 3.0 port, and a DSL port.

Power Port: Connects to the power adapter.

LAN Ports (1-4): Gigabit Ethernet ports for wired devices.

LAN/WAN Port: Can function as an additional LAN port or a WAN port for fiber/cable connections.

Reset Button: Used to restore factory default settings.

USB 3.0 Port: For connecting USB storage devices or 3G/4G dongles.

DSL Port: Connects to the DSL line.

4. Hardware Installation

Follow these steps to connect your Archer VR2100 modem router:

1. **Power Off:** Ensure your computer and existing modem (if any) are powered off.
2. **Connect DSL:** Connect one end of the RJ11 DSL cable to the DSL port on the modem router and the other end to the DSL splitter. Then, connect the splitter to your telephone wall jack.
3. **Connect Ethernet (Optional):** For a wired connection, connect one end of the RJ45 Ethernet cable to a LAN port on the modem router and the other end to your computer's Ethernet port.
4. **Connect Power:** Connect the power adapter to the modem router's power port and plug the other end into a power outlet.
5. **Power On:** Press the Power button (if available) or wait for the modem router to power on automatically. Wait for the DSL and Internet LEDs to become stable, indicating a successful connection.

5. Setup

After hardware installation, proceed with the initial configuration:

1. **Access Web Management Interface:** Open a web browser on a device connected to the modem router (wired or wirelessly). Type `http://tplinkmodem.net` or `http://192.168.1.1` into the address bar and press Enter.
2. **Login:** Use the default username and password (usually `admin` for both, or as printed on the label on the bottom of the device).
3. **Run Quick Setup:** Follow the on-screen instructions of the Quick Setup wizard. This will guide you through setting up your internet connection (VDSL/ADSL settings) and wireless network (Wi-Fi name and password).
4. **Tether App Setup:** Alternatively, download the TP-Link Tether app on your smartphone (available for iOS and Android). The app provides an intuitive way to set up and manage your modem router.

6. Operating

Once configured, you can manage various aspects of your network:

6.1 Wireless Settings

From the web management interface or Tether app, you can:

- Change Wi-Fi names (SSIDs) and passwords for both 2.4 GHz and 5 GHz bands.
- Enable/disable guest networks.
- Configure wireless security protocols (WPA/WPA2).
- Utilize MU-MIMO technology for improved performance with multiple devices.

6.2 USB Features

The USB 3.0 port offers several functionalities:

- **Storage Sharing:** Connect a USB storage device to share files across your network.
- **3G/4G Dongle Backup:** Plug in a compatible 3G/4G USB dongle to serve as a backup internet connection in case your primary DSL connection fails.

7. Maintenance

Regular maintenance ensures optimal performance and security:

7.1 Firmware Upgrade

It is recommended to keep your modem router's firmware updated to benefit from new features, bug fixes, and security enhancements.

1. Visit the TP-Link official website (www.tp-link.com) and navigate to the support page for Archer VR2100.
2. Download the latest firmware file.
3. Access the web management interface, go to **System Tools > Firmware Upgrade**, and follow the instructions to upload the new firmware. *Do not power off the device during the upgrade process.*

7.2 Backup & Restore

You can back up your current configuration settings to a file and restore them later if needed.

- In the web management interface, go to **System Tools > Backup & Restore**.

- Click **Backup** to save your current settings.
- To restore, click **Choose File** to select your backup file and then click **Restore**.

8. Troubleshooting

If you encounter issues, refer to these common troubleshooting tips:

- **No Internet Access:** Check DSL and Internet LEDs. If DSL LED is off or blinking, check cable connections or contact your ISP. If Internet LED is off, ensure your internet settings are correct in the web interface.
- **Wi-Fi Disconnections/Slow Speed:** Ensure your device is within range. Try changing Wi-Fi channels or adjusting antenna positions. Reduce interference from other electronic devices.
- **Cannot Access Web Management Page:** Verify your device is connected to the modem router. Try clearing your browser's cache or using a different browser. Ensure your computer's IP settings are set to obtain an IP address automatically.
- **Forgot Login Password:** Use the Reset button on the rear panel to restore factory default settings. Note that this will erase all your custom configurations.

9. Specifications

Feature	Description
Model Name	Archer VR2100
Product Dimensions	6.46 x 8.5 x 1.45 inches
Item Weight	12.3 ounces
Brand	TP-Link
Special Feature	USB Port
Frequency Band Class	Dual-Band
Wireless Communication Standard	802.11ac
Compatible Devices	Laptop, Gaming Console, Personal Computer, Tablet, Smartphone, Desktop Computer
Frequency	5 GHz
Recommended Uses	Home
Connectivity Technology	USB, Ethernet

10. Warranty and Support

Your TP-Link Archer VR2100 Modem Router comes with a manufacturer's warranty. For detailed warranty information, technical support, and additional resources, please visit the official TP-Link website at www.tp-link.com. You can also find FAQs, firmware updates, and contact information for customer service on their support pages.

