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TP-Link Archer VR600

TP-Link Archer VR600 V2.1 AC1600 VDSL/ADSL Modem Router User Manual

Model: Archer VR600

1. INTRODUCTION

The TP-Link Archer VR600 V2.1 is a high-performance VDSL/ADSL Modem Router designed to provide reliable and high-speed internet access. It integrates a VDSL/ADSL modem and a wireless router, supporting the latest Wi-Fi AC standard for fast dual-band connections. This device offers a combined speed of up to 1600Mbps (300Mbps on 2.4GHz and 1300Mbps on 5GHz), features four Gigabit Ethernet ports for wired connections, and a USB 2.0 port for versatile sharing capabilities.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- TP-Link Archer VR600 V2.1 AC1600 Wireless Gigabit VDSL/ADSL Modem Router
- Power Adapter
- RJ11 DSL Cable
- RJ45 Ethernet Cable
- Quick Installation Guide

3. HARDWARE OVERVIEW

Front Panel

The front panel features LED indicators that display the device's status, including power, DSL connection, internet activity, Wi-Fi status, and Ethernet port activity.



Image: Front view of the TP-Link Archer VR600 modem router. This image shows the sleek black design and the row of LED indicators on the front panel, which provide visual feedback on the device's operational status.

Rear Panel

The rear panel contains all the physical connection ports and buttons.



Image: Rear view of the TP-Link Archer VR600. This image highlights the various ports available, including the DSL port, USB port, four Gigabit LAN/WAN ports, and the power input jack.

Side Panel

The side panel includes control buttons for power, reset, WPS, and Wi-Fi On/Off.



Image: Side view of the TP-Link Archer VR600. This image clearly shows the physical buttons for Power On/Off, Reset, WPS (Wi-Fi Protected Setup), and Wi-Fi On/Off, providing easy access for device control.

4. SETUP INSTRUCTIONS

4.1 Physical Connection

1. **Connect the DSL Line:** Connect one end of the RJ11 DSL cable to the DSL port on the modem router and the other end to your telephone wall jack or splitter.
2. **Connect Power:** Plug the power adapter into the modem router's power jack and then into a standard electrical outlet. Press the Power On/Off button if the device does not power on automatically.
3. **Connect Devices (Optional):**
 - **Wired Connection:** Connect your computer or other network devices to the modem router's LAN ports using an RJ45 Ethernet cable.
 - **Wireless Connection:** Locate the Wi-Fi network name (SSID) and password printed on the label at the bottom of the modem router. Connect your wireless devices to this network.

4.2 Initial Configuration (Web Interface)

1. **Access the Web Interface:** Open a web browser on a device connected to the modem router (wired or wirelessly). Type tplinkmodem.net or 192.168.1.1 into the address bar and press Enter.
2. **Login:** A login window will appear. Enter the default username and password (both typically **admin**, unless changed).
3. **Run Quick Setup:** Follow the on-screen instructions of the Quick Setup Wizard to configure your internet connection (VDSL/ADSL settings) and Wi-Fi network settings. This typically involves selecting your region,

ISP, and setting up your Wi-Fi SSID and password.

4.3 Initial Configuration (Tether App)

The TP-Link Tether app provides an easy way to set up and manage your modem router from your mobile device.

1. **Download the App:** Download the TP-Link Tether app from the Apple App Store or Google Play Store.
2. **Connect to Wi-Fi:** Connect your mobile device to the modem router's default Wi-Fi network.
3. **Launch and Login:** Open the Tether app, create a TP-Link ID or log in with an existing one, and follow the app's instructions to add and configure your Archer VR600.

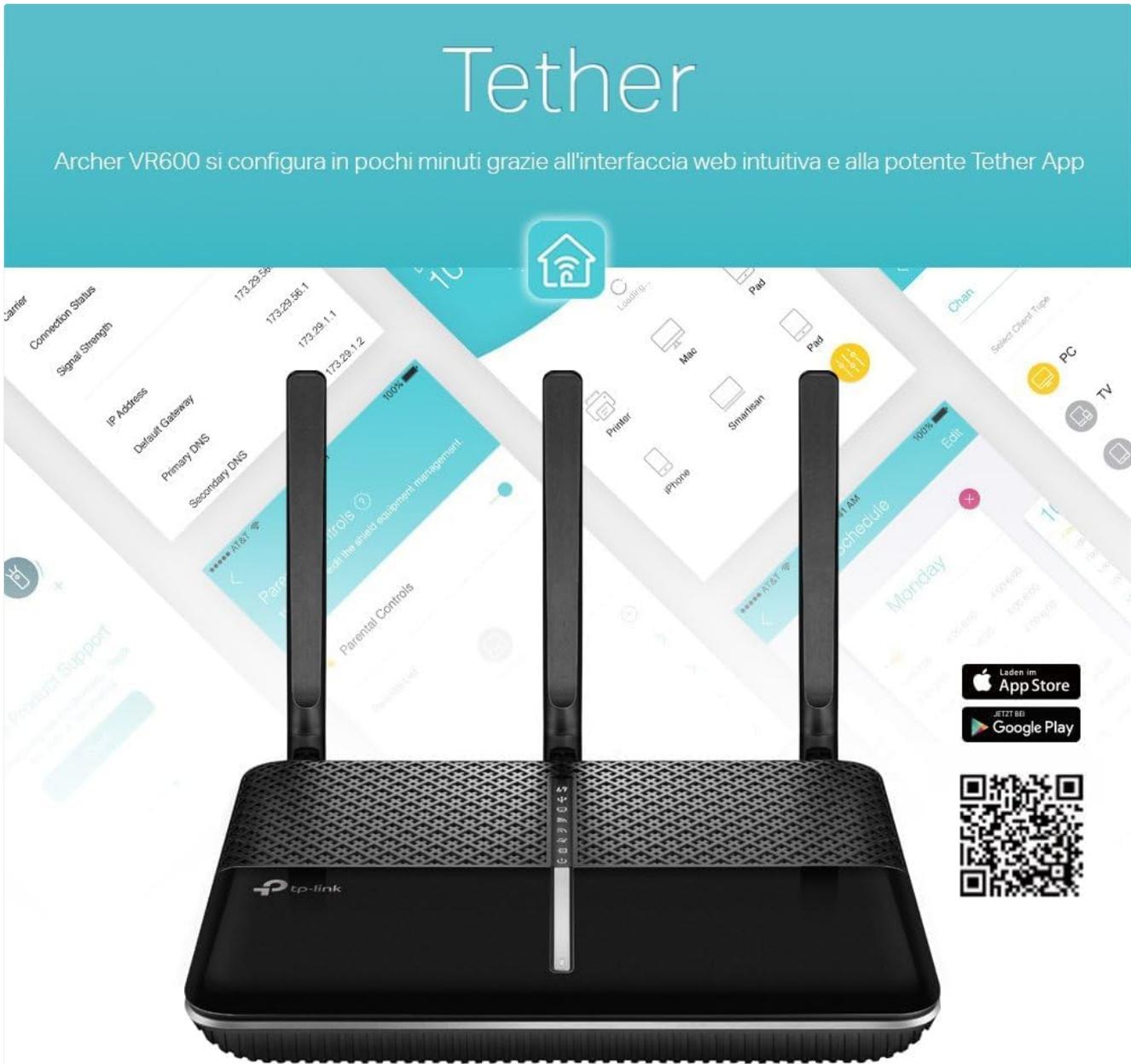


Image: Screenshot of the TP-Link Tether app interface. This image displays the user-friendly mobile application for managing the router, showing various settings and connected devices.

5. OPERATING THE MODEM ROUTER

5.1 Wi-Fi Connectivity

The Archer VR600 provides dual-band Wi-Fi, operating on both 2.4GHz and 5GHz frequencies for optimal performance.

- **2.4GHz Band:** Ideal for basic internet use like browsing and email, offering wider coverage.
- **5GHz Band:** Suitable for high-bandwidth activities such as online gaming and HD video streaming, providing faster speeds and less interference.

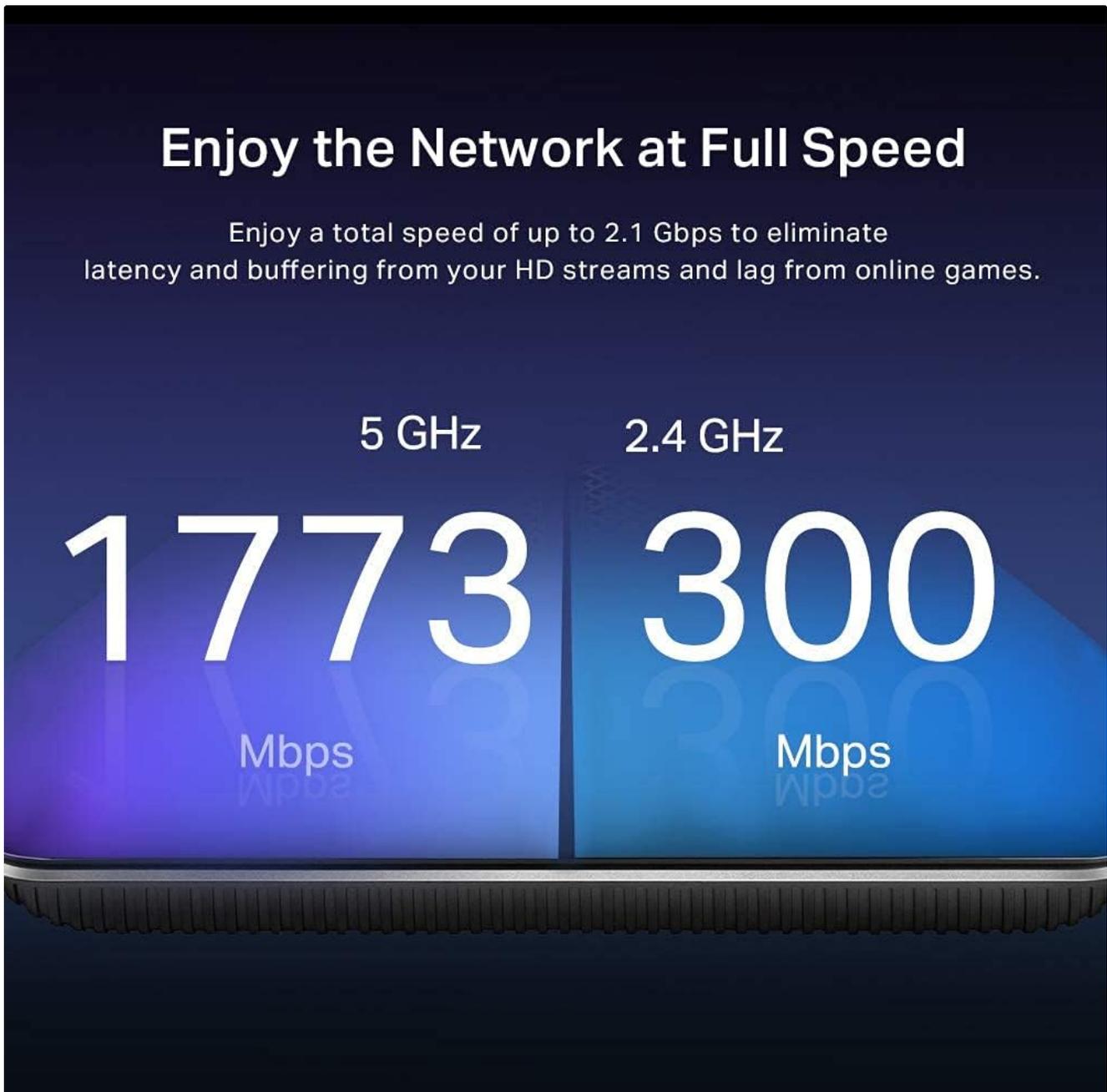


Image: Graphic illustrating dual-band Wi-Fi speeds. This image visually represents the distinct speed capabilities of the 5 GHz (1773 Mbps) and 2.4 GHz (300 Mbps) bands, highlighting the router's AC1600 performance.

5.2 USB Port Functionality

The USB 2.0 port on the rear panel offers several functionalities:

- **Storage Sharing:** Connect a USB storage device (e.g., flash drive, external hard drive) to share files across your network or remotely via an FTP server.
- **Printer Sharing:** Connect a USB printer to the port to share it with multiple computers on your network.
- **3G/4G Dongle Support:** Use a compatible 3G/4G USB dongle to establish an internet connection, serving as a backup or primary connection.

5.3 Beamforming Technology

The Archer VR600 utilizes Beamforming technology to concentrate Wi-Fi signals towards connected devices. This

enhances the Wi-Fi range and signal strength, especially for devices located further away from the router, providing more efficient and stable wireless connections.

5.4 Advanced Features

- **Guest Network:** Create separate Wi-Fi networks for guests to ensure the security and privacy of your main network.
- **Parental Controls:** Manage and monitor internet access for children or other users, including time limits and content filtering.
- **Quality of Service (QoS):** Prioritize network traffic for specific applications or devices to ensure optimal performance for critical tasks.

6. MAINTENANCE

- **Firmware Updates:** Regularly check the TP-Link website for the latest firmware updates. Updating the firmware can improve performance, add new features, and fix security vulnerabilities.
- **Regular Reboot:** Periodically reboot the modem router (e.g., once a month) to clear its memory and ensure optimal performance. This can be done by unplugging the power adapter for 10 seconds and then plugging it back in.
- **Cleaning:** Keep the modem router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure ventilation openings are not blocked.
- **Environmental Conditions:** Operate the device within the recommended temperature range of 0°C to 40°C (32°F to 104°F) and humidity range of 10% to 90% non-condensing. Avoid placing it in direct sunlight or near heat sources.

7. TROUBLESHOOTING

7.1 No Internet Connection

- Check all cable connections (DSL, Ethernet, Power) to ensure they are securely plugged in.
- Verify that the DSL LED on the front panel is solid green, indicating a stable DSL connection. If it's blinking or off, contact your Internet Service Provider (ISP).
- Ensure your ISP settings are correctly configured in the modem router's web interface.
- Reboot the modem router and your computer/device.

7.2 Slow Wi-Fi Speed

- Ensure your devices are connected to the 5GHz band for higher speeds, if supported.
- Reduce interference by placing the modem router away from other electronic devices (e.g., cordless phones, microwaves).
- Adjust the modem router's position to minimize obstacles and maximize signal coverage.
- Check for firmware updates, as these can include performance improvements.

7.3 Cannot Access Web Management Page

- Verify that your device is correctly connected to the modem router (wired or wirelessly).
- Ensure you are using the correct address (tplinkmodem.net or **192.168.1.1**).
- Clear your browser's cache and cookies, or try a different web browser.
- Temporarily disable any firewall or antivirus software on your computer.

7.4 Factory Reset

If issues persist, you may need to perform a factory reset. This will revert all settings to their default values.

1. With the modem router powered on, use a pin or paperclip to press and hold the **Reset** button (located on the side panel) for approximately 5-10 seconds until all LEDs flash.
2. Release the button and wait for the modem router to restart. You will then need to reconfigure it using the Quick Setup Wizard.

8. SPECIFICATIONS

Feature	Description
Model Name	Archer VR600
Wi-Fi Standard	IEEE 802.11ac/n/a 5GHz, IEEE 802.11n/g/b 2.4GHz
Wi-Fi Speed	AC1600 (1300Mbps on 5GHz + 300Mbps on 2.4GHz)
VDSL/ADSL Standards	VDSL2, ADSL2+, ADSL2, ADSL
Ethernet Ports	4 Gigabit LAN/WAN Ports
USB Port	1 USB 2.0 Port (for Storage Sharing, Printer Sharing, 3G/4G Dongle)
Antennas	3 Detachable Dual Band Antennas
Special Features	Beamforming, Tether App, USB Print Server
Operating Temperature	0°C~40°C (32°F~104°F)
Operating Humidity	10%~90% non-condensing

9. TECHNICAL SUPPORT

For technical support, user guides, and firmware updates, please visit the official TP-Link website. You can find product-specific information by searching for 'Archer VR600' on their support page.

Website: www.tp-link.com/support

10. WARRANTY INFORMATION

TP-Link provides a limited warranty for this product. For detailed warranty terms and conditions, please refer to the warranty card included in your product package or visit the official TP-Link website's support section.