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TP-Link VX231v

TP-Link VX231v Wi-Fi 6 VDSL Modem Router User Manual

This manual provides detailed instructions for the setup, operation, and maintenance of your TP-Link VX231v Wi-Fi 6 VDSL Modem Router.

1. PRODUCT OVERVIEW

The TP-Link VX231v is a Wi-Fi 6 (802.11ax) dual-band VDSL modem router designed for high-speed internet connectivity. It supports VDSL2 35b, offering speeds up to 300 Mbps, and features AX1800 dual-band Wi-Fi for seamless streaming and gaming. This device is compatible with various DSL standards and supports fiber/cable connections via its Ethernet WAN port. It also includes DECT telephony capabilities.



Figure 1: Front view of the TP-Link VX231v Wi-Fi 6 VDSL Modem Router, showing indicator lights and a sleek white design.

1.1 Hardware Overview

Hardware Overview

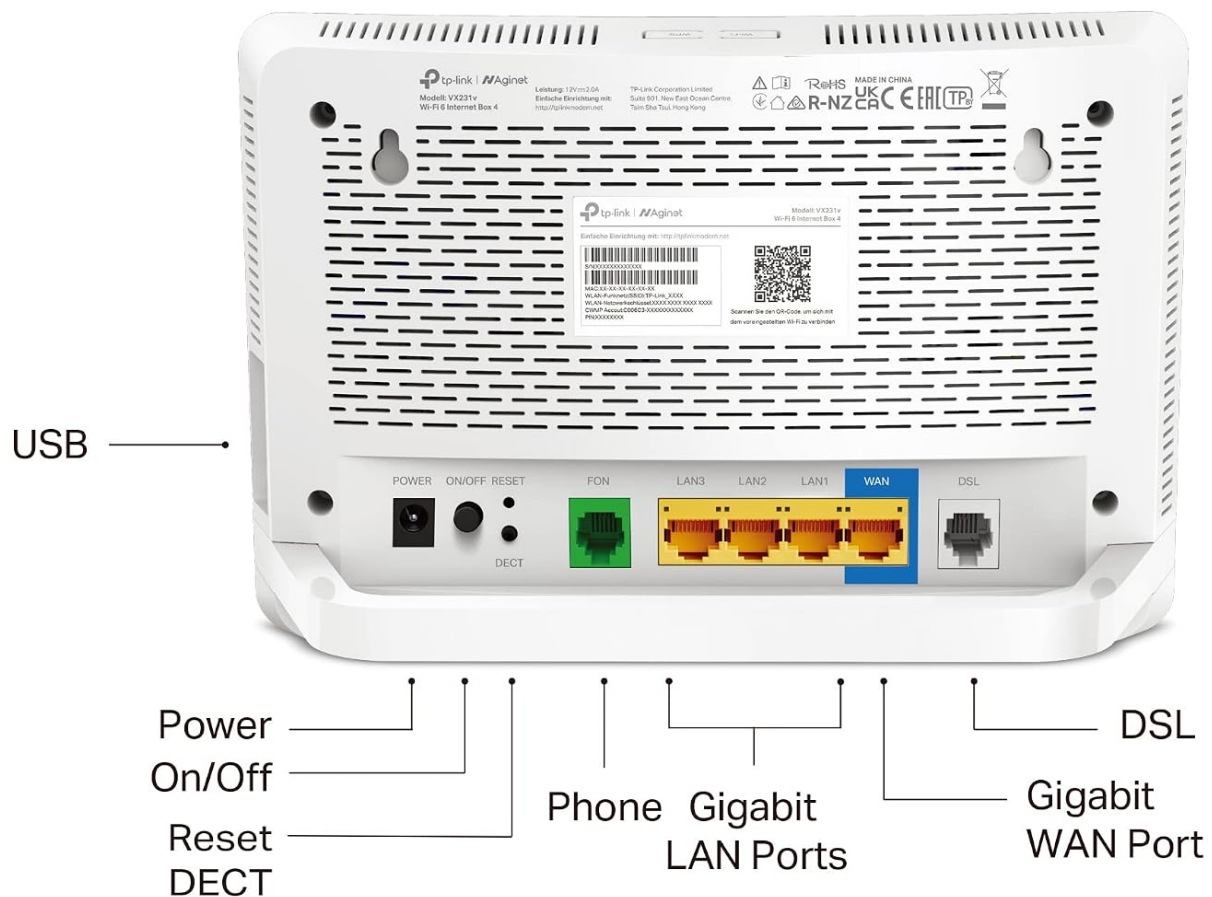


Figure 2: Rear panel of the TP-Link VX231v, illustrating the various ports and buttons including Power, On/Off, Reset, DECT, Phone, Gigabit LAN Ports, Gigabit WAN Port, DSL, and USB.

The rear panel of the VX231v features several ports and buttons for connectivity and control:

- **Power Port:** Connects to the power adapter.
- **On/Off Button:** Powers the device on or off.
- **Reset Button:** Used to restore factory default settings.
- **DECT Button:** For DECT phone pairing.
- **Phone Ports:** Connect analog phones.
- **Gigabit LAN Ports (LAN1-LAN4):** For wired connections to computers or other network devices.
- **Gigabit WAN Port:** For connecting to a fiber or cable modem.
- **DSL Port:** Connects to the VDSL/ADSL line.
- **USB Port:** For connecting USB storage devices or other compatible peripherals.

2. INITIAL SETUP

2.1 Package Contents

Ensure your package contains the following items:

- 1x TP-Link VX231v Wi-Fi 6 VDSL Modem Router
- 1x RJ45 Ethernet Cable
- 1x Power Adapter
- 1x RJ11 DSL Cable
- 1x Quick Installation Guide

2.2 Hardware Connection

Follow these steps to connect your router:

1. **Connect the DSL Line:** Plug one end of the RJ11 cable into the DSL port on the router and the other end into your wall's DSL socket.
2. **(Optional) Connect to Fiber/Cable Modem:** If using a fiber or cable internet service, connect an Ethernet cable from your modem to the Gigabit WAN port on the router.
3. **Connect Power:** Plug the power adapter into the router's power port and then into a power outlet. Press the On/Off button if necessary.
4. **(Optional) Wired Devices:** Connect your computer or other wired devices to the Gigabit LAN ports using Ethernet cables.

2.3 Accessing the Web Management Interface

After connecting the hardware, configure your router via the web interface:

1. Ensure your device is connected to the router (wired or wirelessly).
2. Open a web browser and enter the default access address (e.g., <http://tplinkmodem.net> or <http://192.168.1.1>). Refer to the label on the bottom of your router for the exact address and default login credentials.
3. Follow the on-screen Quick Setup Wizard to configure your internet connection, Wi-Fi settings, and other basic parameters.

Note: This device supports DSL connections only and does not support SIM cards.

3. OPERATION GUIDE

3.1 Wi-Fi Network Configuration

After initial setup, you can customize your Wi-Fi network settings through the web management interface:

- **SSID (Network Name):** Change the default Wi-Fi network names for both 2.4 GHz and 5 GHz bands.
- **Password:** Set a strong, unique password for your Wi-Fi networks.
- **Guest Network:** Enable a separate guest network for visitors, providing internet access without sharing your main network resources.

3.2 Connecting Devices

To connect devices to your Wi-Fi network, select the appropriate SSID from your device's Wi-Fi settings and enter the password.

3.3 DECT Telephony

The VX231v supports DECT phones. You can connect up to six DECT handsets for high-quality voice calls:

1. Access the DECT settings in the web management interface.
2. Follow the instructions to register your DECT handsets with the router.
3. Connect an analog phone to the Phone port if desired.

3.4 Advanced Features

The router offers advanced features to optimize your network:

- **OFDMA & MU-MIMO:** These Wi-Fi 6 technologies improve efficiency and reduce latency when multiple devices are connected.
- **Beamforming:** Focuses Wi-Fi signals towards connected devices for stronger, more reliable connections.
- **Parental Controls:** Manage internet access for children's devices.
- **Quality of Service (QoS):** Prioritize network traffic for specific applications or devices.

4. MAINTENANCE AND MANAGEMENT

4.1 Firmware Updates

Regularly update your router's firmware to ensure optimal performance, security, and access to new features. Firmware updates can usually be found on the TP-Link official website for your specific model.

1. Download the latest firmware file from the TP-Link support website.
2. Access the router's web management interface.
3. Navigate to the firmware upgrade section (usually under System Tools or Administration).
4. Upload the downloaded firmware file and follow the on-screen instructions. **Do not power off the router during the update process.**

4.2 Backup and Restore Configuration

It is recommended to back up your router's configuration settings before performing major changes or firmware updates. This allows you to restore your settings if needed.

4.3 Factory Reset

If you encounter persistent issues or wish to clear all custom settings, you can perform a factory reset. This will revert all settings to their default values.

- **Software Reset:** Through the web management interface, navigate to System Tools > Backup & Restore and select 'Factory Restore'.
- **Hardware Reset:** With the router powered on, press and hold the Reset button on the rear panel for approximately 8-10 seconds until the indicators flash. Release the button and wait for the router to restart.

4.4 Physical Cleaning

Keep the router clean and free from dust to ensure proper ventilation and prevent overheating. Use a soft, dry cloth for

cleaning.

5. TROUBLESHOOTING COMMON ISSUES

5.1 No Internet Access

- Check all cable connections (DSL, Ethernet WAN, power). Ensure they are securely plugged in.
- Verify that the DSL or WAN indicator light on the router is solid green, indicating a stable connection.
- Restart your modem (if applicable) and then your router.
- Confirm your internet service provider (ISP) settings are correctly configured in the router's web interface.
- Contact your ISP to check for service outages in your area.

5.2 Wi-Fi Connection Issues

- Ensure the Wi-Fi indicator light on the router is on.
- Verify you are selecting the correct Wi-Fi network (SSID) and entering the correct password.
- Move closer to the router to check for signal strength issues.
- Try connecting other devices to the Wi-Fi to determine if the issue is device-specific.
- Restart the router.

5.3 Slow Internet Speed

- Perform a speed test to confirm the issue.
- Ensure your router's firmware is up to date.
- Check for interference from other electronic devices.
- Limit the number of devices simultaneously using high-bandwidth applications.
- Consider optimizing Wi-Fi channels in the router settings.

6. TECHNICAL SPECIFICATIONS

Category	Detail
Brand	TP-Link
Model Number	VX231v
Connectivity Technology	DSL
Wireless Standard	802.11ax (Wi-Fi 6)
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)

Category	Detail
Wi-Fi Speeds	Up to 1.8 Gbps (1201 Mbps on 5 GHz, 574 Mbps on 2.4 GHz)
VDSL Speeds	Up to 300 Mbps (VDSL2 Profile 35b)
Ethernet Ports	4x Gigabit LAN Ports, 1x Gigabit WAN Port
DSL Port	1x RJ11 DSL Port
USB Port	1x USB 2.0 Port
Phone Ports	1x FXS Port
Antenna	Internal Antennas
Power Supply	12V/2.0A
Dimensions (W x D x H)	214.0 x 144.5 x 80.0 mm
Buttons	Power On/Off, Reset, WPS On/Off, Wireless On/Off, DECT
IEEE Standards	IEEE 802.3, 802.3u, 802.3ab
VDSL2 Standards	ITU-T G.993.2 (G.vector), ITU-T G.993.5 (G.INP)
ADSL2+ Standards	ITU-T G.992.5
ADSL2 Standards	ITU-T G.992.3 (G.DMT.bis), ITU-T G.992.4 (G.lite.bis)
ADSL Standards	ITU-T G.992.1 (G.DMT), ITU-T G.992.2 (G.Lite), ITU-T G.994.1 (G.hs), ITU-T G.995.1
Wireless Security	64/128-bit WEP, WPA/WPA2/WPA3-PSK
Special Features	Beamforming, OFDMA, MU-MIMO, DECT Telephony, Parental Controls, Firewall, IPSec VPN, IPv6, Port Forwarding, NAT, DMZ, DDNS, UPnP, QoS, VLAN, TR-069, TR-111, TR-143, Aginet ACS
Compatible Devices	Smartphone, Tablet
Color	White

Category	Detail
Operating Temperature	0°C~40°C (32°F~104°F)
Storage Temperature	-40°C~70°C (-40°F~158°F)
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing

7. WARRANTY INFORMATION

TP-Link products typically come with a limited warranty. For specific warranty terms and conditions applicable to your VX231v modem router, please refer to the warranty card included in your product packaging or visit the official TP-Link website.

Warranty coverage usually includes defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or external factors.

8. CUSTOMER SUPPORT

For further assistance, technical support, or to download the latest drivers and firmware, please visit the official TP-Link support website:

[TP-Link Support Website](#)

You can also find FAQs, troubleshooting guides, and community forums on the support portal.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0BWYZVJCV>

More documents and user manuals: <https://manuals.plus/>