Installation Guide

AX3000 Gigabit VPN Router

Note: The image may differ from the actual product.

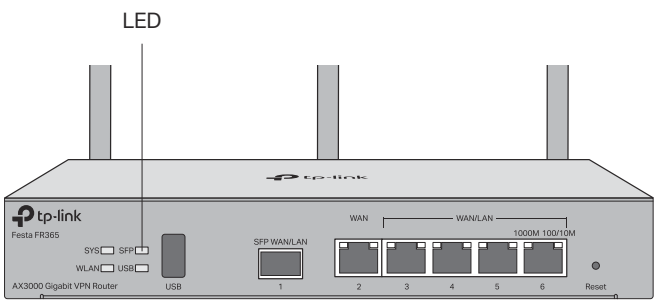
To ask questions, find answers, and communicate with TP-Link users or engineers, please visit **https://community.tp-link.com/business** to join TP-Link Community.

For technical support, the user guide and other information, please visit **https://www.tp-link.com/support/?type=smb**, or simply scan the QR code.

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1 Hardware Overview

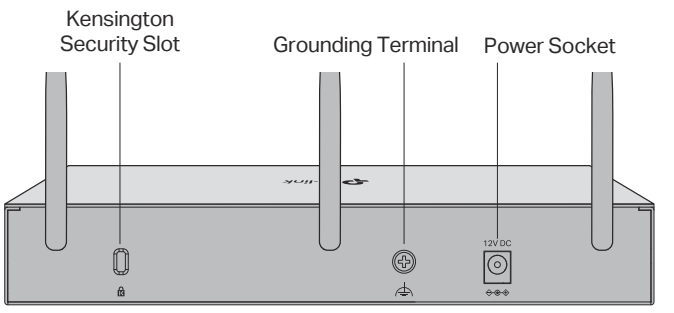
▪ Front Panel

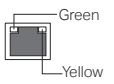


- **Reset:** Press and hold the button for 5 seconds, the SYS LED will flash quickly, indicating the device is being reset to its factory default settings.

Interface	Description
USB	USB 3.0 for USB modem and USB storage device.
SFP WAN/LAN	Gigabit SFP WAN/LAN port connecting to an SFP module. By default, it is a WAN port. You can configure it to a LAN port on the management page.
WAN	Gigabit RJ45 WAN port.
WAN/LAN (Ports 3-6)	Gigabit RJ45 WAN/LAN ports. By default, they are LAN ports connecting to local PCs or switches. You can configure each port to a WAN port on the management page.
Kensington Security Slot	Secure the lock (not provided) into the security slot to prevent the device from being stolen.
Grounding Terminal	The router comes with a lightning protection mechanism.
Power Socket	Connect to the power outlet via the provided power adapter.

▪ Back Panel

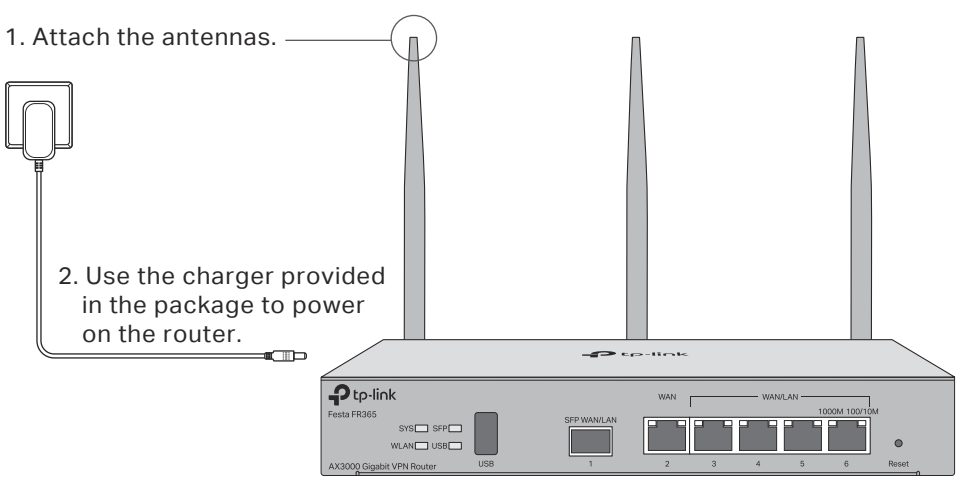


LED	Indication
SYS	**Slow Flashing:** System is running normally. **Quick Flashing:** The router is being reset. **On/Off:** System is starting up or running abnormally.
WLAN	**On:** Wireless networking is enabled. **Off:** Wireless networking is disabled.
SFP	**On:** Running at 1000 Mbps, but no activity. **Off:** No device is linked to the corresponding port. **Flashing:** Running at 1000 Mbps, and transmitting or receiving data.
USB	**For USB Modem:** **Flashing:** A modem is connected, and it is initializing. **On:** The modem is loaded. **Off:** No modem is inserted, or it is corrupted or incompatible. **For USB Storage:** **On:** A USB storage device is inserted and identified. **Off:** No USB storage device is inserted, or it is corrupted or incompatible.
Link/Act 	**Green On:** Running at 1000 Mbps, but no activity. **Green Flashing:** Running at 1000 Mbps, and transmitting or receiving data. **Green Off:** Not running at 1000 Mbps, or no device is connected to the corresponding port. **Yellow On:** Running at 100/10 Mbps, but no activity. **Yellow Flashing:** Running at 100/10 Mbps, and transmitting or receiving data. **Yellow Off:** Not running at 100/10 Mbps, or no device is connected to the corresponding port.

2 Hardware Connection

1. Attach the antennas.

2. Use the charger provided in the package to power on the router.

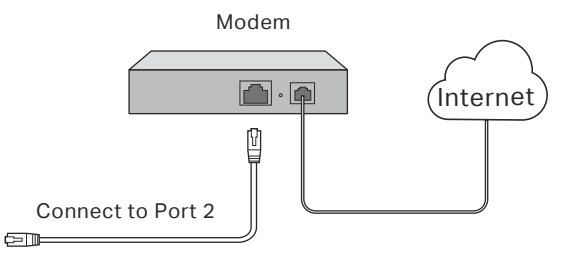


4. Wait until the SYS LED flashes slowly and the WLAN LED turns solid, indicating the router is ready for setup.

SYS Slow Flashing

WLAN Solid On

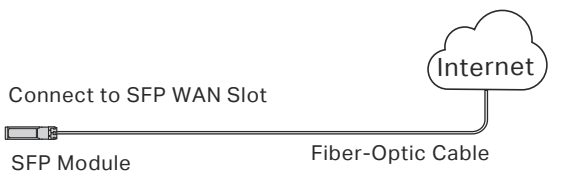
3. Connect the router via Ethernet.



Note: To connect to the internet via another RJ45 WAN port (ports 3-6), configure your desired port to WAN, then connect the port to the internet via an RJ45 cable. Refer to **FAQ-Q1** for more details.

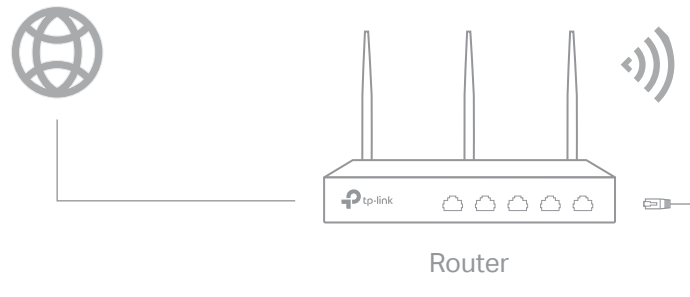
Or

3. Connect the router via fiber network.



3 Software Configuration

Step 1: Connect to Internet



- Wireless Internet Connection



- Wired Internet Connection



1. Connect your device to the router (wired or wireless).

   Note: If your computer is configured with a fixed IP, change it to **Obtain an IP address automatically**.

   Wired

   Turn off the Wi-Fi on your computer and connect to a LAN port of the router with an RJ45 cable.

   Wireless

   a. Find the SSID (network name) printed on the label at the bottom of the router.

   b. Click the network icon of your computer or go to Wi-Fi settings of your smart device, and then select the SSID to join the network.

2. Log in to the router.

   a. Launch a web browser, and enter **http://tplinker.net** or **http://192.168.0.1** in the address bar.

   b. Create a username and a password for subsequent login attempts and for security.

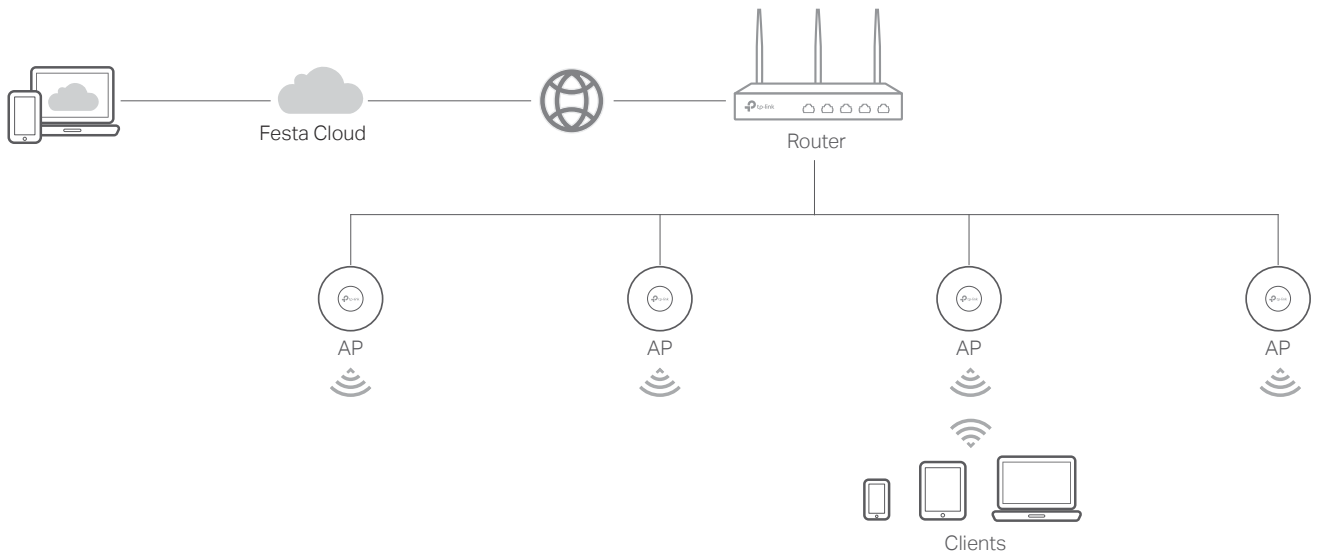
   c. Use the username and password set above to log in to the webpage.

3. After a successful login, follow the web instructions to configure the internet settings, and you can configure limited functions by clicking the menu of the screen.

   Note: To easily manage the network and configure more settings, please proceed to Step 2 to adopt the router via the Festa Cloud-Based Controller.

Step 2: Configure the Router via the Festa Cloud-Based Controller

After the router is connected to the internet, you can configure and manage the router via the Festa Cloud-Based Controller.



Option1: Via a Web Browser

1. Make sure that your management device can access the internet.

2. Launch a web browser and enter **https://festa.tplinkcloud.com** in the address bar. Log in with your TP-Link ID.



3. Click **+ Add Controller**, then you will see you have successfully registered for a Cloud-Based Controller and the controller has been added to the controller list.

4. Click **Set Up Now**, click **Config New Setup** and follow the step-by-step instructions to complete the configuration wizard of the controller.

5. On the controller's management page, go to **Devices**, and click **+ Add Devices** and follow the step-by-step instructions to adopt the router.

Now you can configure and manage the router on the controller.

Option 2: Via Festa App

1. Download and install the Festa App from App Store or Google Play.



2. Launch the Festa App and log in with your TP-Link ID.

3. Tap **+** on the upper right corner, then you will see you have successfully registered for a Cloud-Based Controller and the controller has been added to the controller list.

4. Tap **Confirm**, tap **Let's Get Started** and follow the step-by-step instructions to complete the configuration wizard of the controller.

5. On the controller's management page, go to **Devices**, and click **+** on the upper right corner, and follow the step-by-step instructions to adopt the router.

Now you can configure and manage the router via the Festa App.

For detailed configurations, refer to the User Guide of the controller. The guide can be found on the download center of our official website: https://www.tp-link.com/support/download/?type=smb.

Frequently Asked Questions (FAQ)

Q1. What should I do if I want to change the mode of the WAN/LAN ports?

Follow the steps:

1. (Recommended) Refer to the Interface Description table of this guide for the default mode of the WAN/LAN ports.

2. Connect a computer to a LAN port of this router. If your computer is configured with a fixed IP address, change it to **Obtain an IP address automatically**.

3. Log in to this router's management page at **http://192.168.0.1**. Go to **Network > WAN > WAN Mode**, change the mode of the WAN/LAN ports by ticking the checkboxes, and click **Save**.

Q2. What should I do if I need to connect this router to a modem router?

Check the LAN IP address of the modem router first. If the LAN IP address of the modem router is 192.168.0.1, which is the same as the default LAN IP address of this router, follow the steps to change the LAN IP address of this router:

1. Connect a computer to a LAN port of this router. If your computer is configured with a fixed IP address, change it to **Obtain an IP address automatically**.

2. Log in to this router's management page at **http://192.168.0.1**, and go to **Network > LAN > LAN**. In the **Network List** section, change the IP address **192.168.0.1** to **192.168.1.1**, and click **OK**.

Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Do not use the device where wireless devices are not allowed.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.
- Adapter shall be installed near the equipment and shall be easily accessible.
- Place the device with its bottom surface downward.

EU Declaration of Conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 2011/65/EU and (EU) 2015/863.

The original EU declaration of conformity may be found at https://www.tp-link.com/en/support/ce/.

UK Declaration of Conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.

The original UK declaration of conformity may be found at https://www.tp-link.com/support/ukca/.