

Quick Installation Guide

N300 Wireless VoIP GPON Router

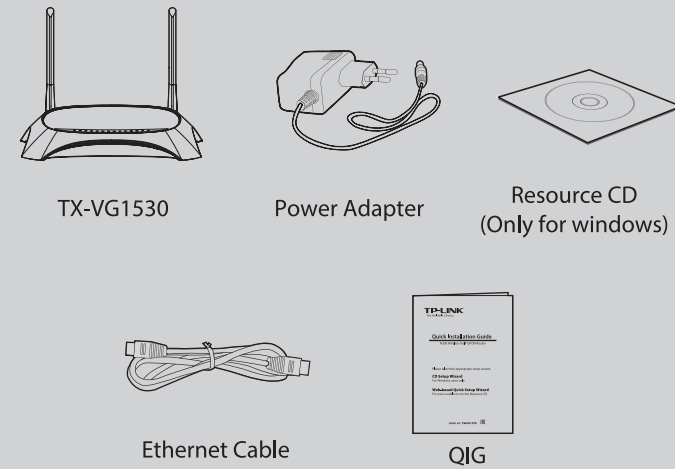
Please select the appropriate setup wizard.

CD Setup Wizard
For Windows users only

Web-based Quick Setup Wizard
For users unable to run the Resource CD

MODEL NO. TX-VG1530 **EAC**

Package Contents



Necessary Information

For a smoother setup, we suggest you consult your ISP for the following information first. The information will be necessary during the configuration stage.

If SN authentication is required:

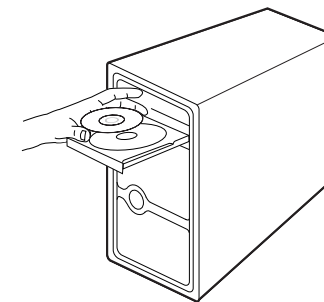
GPON Password: _____ GPON SN: _____

If CTC authentication is required:

GPON Username: _____ GPON Password: _____

CD Setup Wizard (For Windows users only)

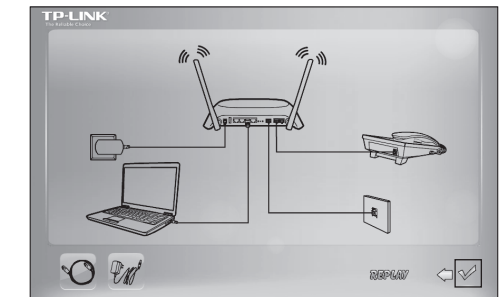
- 1 Insert the TP-LINK Resource CD into the CD-ROM drive.



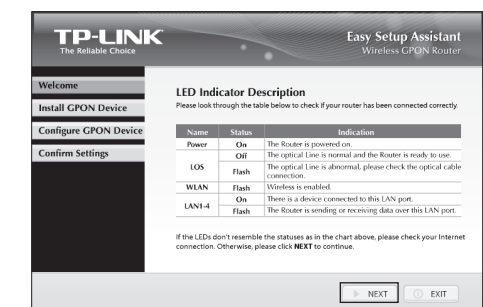
- 2 Click **Start Setup**.



- 3 Follow the pop-up flash video to connect your devices, then click ☒ to continue.



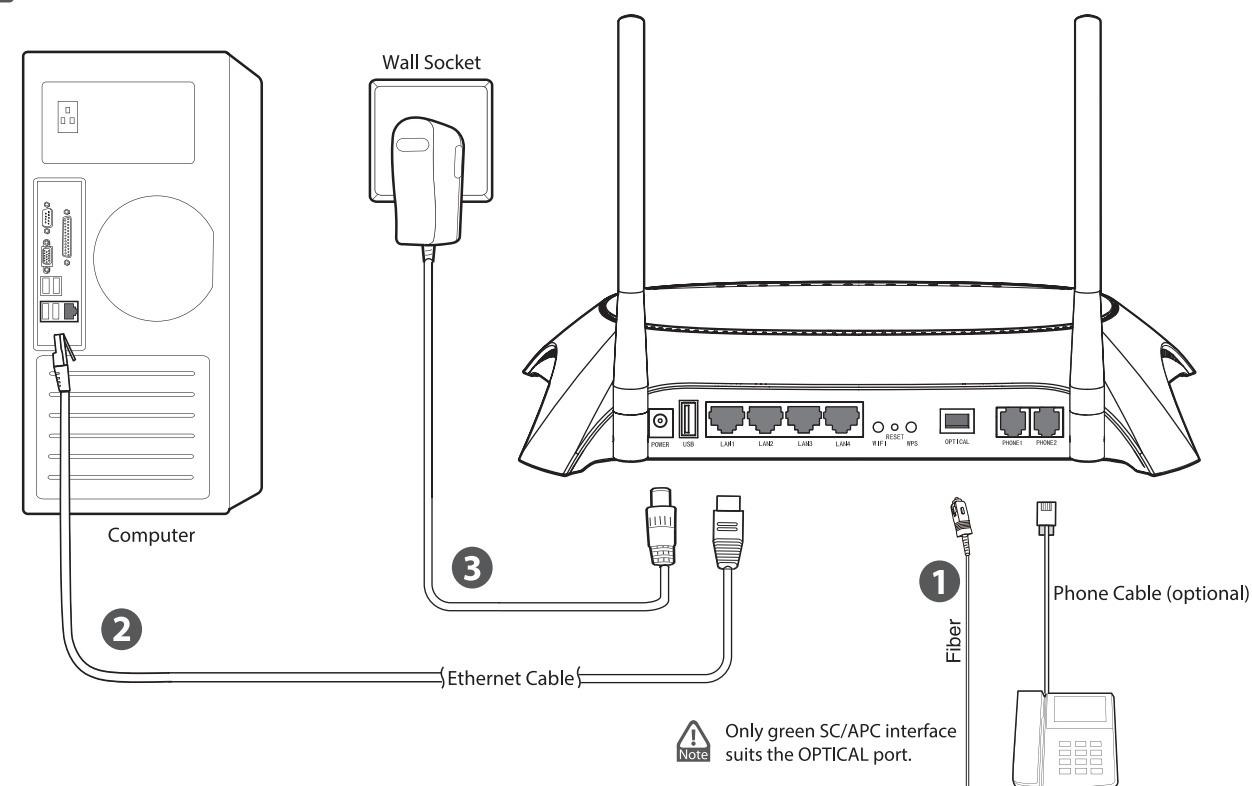
- 4 Please check the LEDs (especially the LOS LED). Then click **NEXT** and follow the step-by-step instructions until you complete the configuration.



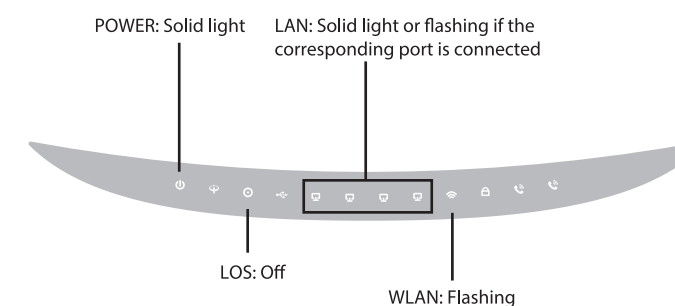
For the advanced configurations, please refer to the User Guide on the Resource CD provided.

Web-based Quick Setup Wizard (For users unable to run the Resource CD)

- 1 Connect your devices step by step following the figure.

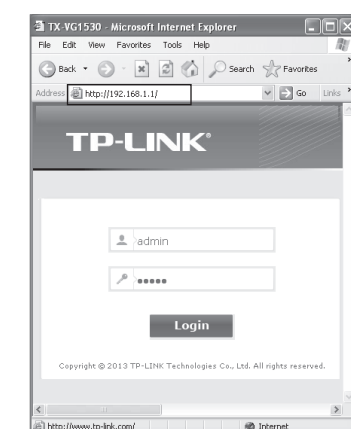


- 2 Press the **ON/OFF** button which is located on the side panel, then make sure the LEDs (especially the LOS LED) display as shown below.



- 3 Set your computer to **Obtain an IP address / DNS server address automatically**. For details, please refer to **T1 in Troubleshooting**.

- 4 Open your browser and type in **http://192.168.1.1** in the address filed, then press Enter. Use the default user name **admin** and password **admin** to log into the Web-Management page.



Web-based Quick Setup Wizard (For users unable to run the Resource CD)

5 The GPON router supports SN authentication and CTC authentication.
If SN authentication is required, select **Network→ GPON SN Settings** in the main menu, the GPON Configuration screen will appear, enter the **GPON Password** and **GPON SN** provided by your ISP and then click **Save**.

GPON Configuration

GPON Password

GPON Password: length(0)

New Password:

Save

GPON SN

GPON SN: 54505C4C9F0450D4

New SN:

Save

Record your GPON information here:
GPON Password: _____
GPON SN: _____

If CTC authentication is required, select **Network→ GPON CTC Settings** in the main menu, the GPON CTC Configuration screen will appear, enter the **GPON Username** and the **GPON Password** provided by your ISP and then click **Save**.

GPON CTC Configuration

This page is for setting GPON CTC authentication, including Username and Password.

GPON Username: tpLink

GPON Password: *****

Save

Record your GPON information here:
GPON Username: _____
GPON Password: _____

6 Select **Pon→ Connect Status** in the main menu, click **Refresh** to update this page, then check whether the **ONU State** is registered.

System Information

GPON Status

Connection Type: GPON

ONU ID: 1

ONU State: Registered (05)

CTC Authentication: --

Upstream FEC: OFF

Downstream FEC: OFF

Refresh

Note Once the **ONU State** is not registered, please check the GPON information and try again with the correct settings.

7 Select **Network→ WAN Settings** in the main menu, the WAN Interface screen will appear, click **Add** to add a new entry. In the next screen you can configure the WAN Information which provided by your ISP, here we use PPPoE as an example.Click **Save** to make your settings take effect.

WAN Settings

VLAN Configuration

Enable VLAN: ☒

VLAN ID (1-4094): 1

802.1p(t)D-T: 0

WAN Service Setup

Connection Type: PPPoE

PPP Username:

PPP Password:

Confirm password:

Connection Mode: ☒ Always on

☐ Connect on demand

☐ Connect manually

Max idle Time: 15 minutes (0 means remain active at all time)

Authentication Type: AUTO/AUTH

Enable IPv4: ☒

Default Gateway: Current Connection

Enable IPv6: ☐

Advance >

Interface Bindings

☐ LAN1 ☐ LAN2 ☐ LAN3 ☐ LAN4

☐ SSID1

Save Back

The basic settings for your GPON router are completed.
Please open the web browser and try to log on to **http://w-
www.tp-link.com** to test your Internet connection.



For the advanced configurations, please refer to the User Guide at <http://www.tp-link.com>.

Troubleshooting

T1. How can I set my computer to Obtain an IP address / DNS server address automatically?

For Mac OS X

- Click the **Apple** icon on the upper left corner of the screen.
- Go to **“System Preferences -> Network”**.
- Select **Airport** on the left menu bar, and then click **Advanced** for wireless configuration; or select **Ethernet** for wired configuration.
- In the **Configure IPv4** box under **TCP/IP**, select **Using DHCP**.
- Click **Apply** to save the settings.

For Windows 7

- Click **“Start -> Control Panel -> Network and Internet -> View network status -> Change adapter settings”**.
- Right-click **Wireless Network Connection** (or Local Area Connection), and then click **Properties**.
- Select **Internet Protocol Version 4 (TCP/IPv4)**, and then click **Properties**.
- Select **Obtain an IP address automatically and Obtain DNS server address automatically**. Then click **OK**.

For Windows XP

- Click **“Start -> Control Panel -> Network and Internet Connections -> Network Connections”**.
- Right-click **Wireless Network Connection** (or Local Area Connection), and then click **Properties**.
- Select **Internet Protocol (TCP/IP)**, and then click **Properties**.
- Select **Obtain an IP address automatically and Obtain DNS server address automatically**. Then click **OK**.

For Windows 8

- Move your mouse to the lower right corner and click the **Search** icon in the Popups.

- Go to **Apps**, type **Control Panel** in the search box and press **Enter**.
- Go to **“Control Panel -> View network status and tasks -> Change adapter settings”**.
- Right-click **Ethernet**, select **Properties**. Then double-click **Internet Protocol Version 4 (TCP/IPv4)**.
- Select **Obtain an IP address automatically and Obtain DNS server address automatically**. Then click **OK**.

T2. What can I do if I cannot access the Internet?

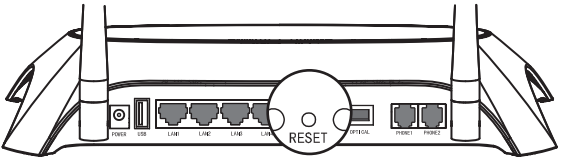
- Check your cables and make sure they are all plugged in correctly, including the fiber, Ethernet cables and power adapter.
- Check to see if you can log on to the web management page of the GPON router. The default address of the Web-Management page is **http://192.168.1.1**. If you can, try the following steps. (If you can not, please refer to **T1** to configure TCP/IP Properties and then try to access the Internet again.)
- Consult your ISP and make sure all the GPON information, VLAN ID, Connection Type, account username and password are correct. If they are not, please replace them with the correct settings and try again.
- If you still cannot access the Internet, please restore your GPON router to its factory default settings and reconfigure your GPON router following the instructions in this QIG.
- Please feel free to contact our Technical Support if the problem still exists.

T3. How can I restore my GPON router’s configuration to its factory default settings?

Once the GPON router is reset, the current settings will be lost and you will need to reconfigure the GPON router. We strongly suggest you back up

the current settings before resetting the GPON router. For more Backup information, please refer to 4.21.6 Backup & Restore on User Guide.

With the GPON router powered on, use a pin to press and hold the **RESET** button on the rear panel for at least 6 seconds before releasing it.



T4. What can I do if I forget my password?

Reset the GPON router first and then use the default user name and password: **admin/admin**.

T5. How can I configure the USB features?

Please refer to our Application Guides. They can be found on the resource CD, or on the web.

- CD Access: Open the “Application Guide” folder on the Resource CD. The guides can be found inside this folder.
- Web Access: <http://www.tp-link.com/app/usb>



For more details about Troubleshooting and Technical Support contact information, please log on to our Technical Support website: <http://www.tp-link.com/en/support>



Technical Support

- For more troubleshooting help, go to <http://www.tp-link.com/en/support/faq>
- To download the latest Firmware, Driver, Utility and User Guide, go to <http://www.tp-link.com/en/support/download>
- For all other technical support, please contact us by using the following details:
 - Global**
Tel: +86 755 2650 4400
Fee: Depending on rate of different carriers, IDD.
E-mail: support@tp-link.com
Service time: 24hrs, 7 days a week
 - USA / Canada**
Toll Free: +1 866 225 8139
E-mail: support.usa@tp-link.com (USA)
support.ca@tp-link.com (Canada)
Service time: 24hrs, 7days a week
 - UK**
Tel: +44 (0) 845 147 0017
Fee: Landline: 1p-10.5p/min, depending on the time of day. Mobile: 15p-40p/min, depending on your mobile network.
E-mail: support.uk@tp-link.com
Service time: 24hrs, 7 days a week
 - Turkey**
Tel: 0850 7244 488 (Turkish Service)
Fee: Depending on rate of different carriers.
E-mail: support.tr@tp-link.com
Service time: 09:00 to 21:00, 7days a week
 - Brazil**
Toll Free: 0800 608 9799(Portuguese Service)
E-mail: suporte.br@tp-link.com
Service time: Monday to Friday, 09:00 to 20:00; Saturday, 09:00 to 15:00
 - Italy**
Tel: +39 023 051 9020
Fee: Depending on rate of different carriers.
E-mail: support.it@tp-link.com
Service time: Monday to Friday, 09:00 to 13:00; 14:00 to 18:00
 - Indonesia**
Tel: (+62) 021 6386 1936
Fee: Depending on rate of different carriers.
E-mail: support.id@tp-link.com
Service time: Sunday to Friday, 09:00 to 12:00, 13:00 to 18:00 *Except public holidays
 - Germany / Austria**
Tel :+49 1805 875 465 (German Service)
+49 1805 TPLINK
+43 820 820 360
Fee: Landline from Germany: 0.14EUR/min.
Landline from Austria: 0.20EUR/min.
E-mail: support.de@tp-link.com
Service Time: Monday to Friday, 09:00 to 12:30 and 13:30 to 18:00. GMT+1 or GMT+2 (DST in Germany)
* Except bank holidays in Hesse
 - Australia / New Zealand**
Tel: AU 1300 87 5465 (Toll Free)
AU 1300 87 5465 (Depending on 1300 policy.)
E-mail: support.au@tp-link.com (Australia)
support.nz@tp-link.com (New Zealand)
Service time: 24hrs, 7 days a week
 - Singapore**
Tel: +65 6284 0493
Fee: Depending on rate of different carriers.
E-mail: support.sg@tp-link.com
Service time: 24hrs, 7 days a week
 - Ukraine**
Tel: 0800 505 508
Fee: Free for Landline; Mobile: Depending on rate of different carriers
E-mail: support.ua@tp-link.com
Service time: Monday to Friday, 10:00 to 22:00
 - Malaysia**
Toll Free: 1300 88 875 465
E-mail: support.my@tp-link.com
Service time: 24hrs, 7days a week
 - Poland**
Tel: +48 (0) 801 080 618
+48 223 606 363 (if calls from mobile phone)
Fee: Depending on rate of different carriers.
E-mail: support.pl@tp-link.com
Service time: Monday to Friday, 09:00 to 17:00. GMT+1 or GMT+2 (DST)
 - Switzerland**
Tel: +41 (0)848 800 998 (German Service)
Fee: 4-8 Rp/min, depending on rate of different time
E-mail: support.ch@tp-link.com
Service time: Monday to Friday, 09:00 to 12:30 and 13:30 to 18:00. GMT+ 1 or GMT+ 2 (DST)
 - France**
Tel: 0820 800 860 (French service)
Fee: 0.118 EUR/min from France
Email: support.fr@tp-link.com
Service time: Monday to Friday, 09:00 to 18:00
*Except French Bank holidays
 - Russian Federation**
Tel: 8 (499) 754 5560(Moscow NO.)
8 (800) 250 5560 (Toll-free within RF)
E-mail: support.ru@tp-link.com
Service time: From 09:00 to 21:00 (Moscow time)
* Except weekends and holidays in RF