Tenda

Installation Guide

Please carefully read this guide before installation. Pay special attention to the cautions and warnings to ensure the best operation. Keep this guide for future reference.

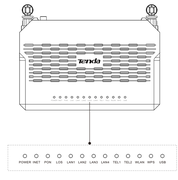
N300 Wireless VoIP GPON Router
Model: HG301-G

Packing List

- GPON Router * 1
- Power Adapter * 1
- Ethernet Cable * 1
- Phone Cable * 1
- Installation Guide * 1

1. Get to Know the Router

Top Panel



LED Indicator	Color	Status	Description
POWER	Green	Solid on	The ONU is connected to a power supply properly.
		Off	The ONU is not powered on, or not connected to a power supply.
INET	Green	Solid on	The Ethernet connection is established successfully.
		Blinking	The ONU is transmitting or receiving data.
		Off	The ONU does not obtain a correct IP address, or Ethernet connection does not exist.
PON	Green	Solid on	The ONU is succeeded in being activated.
		Blinking	The ONU is being activated.
		Off	The ONU is failed to be activated.
LOS	Red	Blinking	The receiving optical power of the ONU is lower than the sensitivity of the optical receiver.
		Off	The ONU is receiving optical power properly.
LAN1/2/3/4	Green	Solid on	The LAN port is connected to a device properly, but no data is being transmitted.
		Blinking	The LAN port is transmitting or receiving data.
		Off	The LAN port is not connected to a device properly.

LED Indicator	Color	Status	Description
TEL1/2	Green	Solid on	The soft switch is succeeded in being registered by the ONU, but no traffic is being transmitted.
		Blinking	The traffic is being transmitted.
		Off	The soft switch is failed to be registered by the ONU.
WLAN	Green	Solid on	The wireless function is enabled, and no data is being transmitted.
		Blinking	The ONU is transmitting or receiving data in wireless manner.
		Off	The wireless function is disabled.
WPS	Green	Solid on	The WPS negotiation is successful.
		Blinking	The ONU is performing WPS negotiation.
		Off	The WPS feature is disabled, or the WPS negotiation fails.
USB	Green	Solid on	The USB port is connected to a device properly, and works in Host manner. But no data is being transmitted.
		Blinking	The USB port is transmitting or receiving data.
		Off	The USB port is not connected to a device.

1. Get to Know the Router

Rear Panel

Button/Port	Description
ON/OFF	Power button. Used to turn on/off the ONU.
POWER	Power jack. Used to connect to a power receptacle using the included power adapter for power supply.
LAN1/2/3/4	LAN ports. Used to connect to a computer, set-top box, router, switch, and so on.
PON	SC/APC optical fiber port. Used to connect to the internet.
TEL1/2	POTS ports. Used to connect to a telephone or fax machine.

NOTE

Caution, laser
DO NOT look directly at the PON port when the router is powered on, neither the terminal of the indoor fiber cord, to prevent any harm to your eyes.

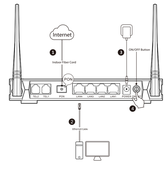
Side Panel

Button/Port	Description
WPS	WPS button. Press it to perform WPS negotiation.
WLAN	WiFi button. Press it to enable/disable WiFi.
Reset	Reset button. Hold it down for 5 seconds to restore the factory settings of the router. Restoring the router to factory settings clears all settings of the router. You need to configure the router again for internet access.
USB	USB port. Used to connect to a USB flash disk for resources sharing.

Tips

Anti-static Precaution
Electrostatic adsorption occurs if dust falls onto the router, which may disable the router to normal operation. To avoid this problem, keep the air in the ambient environment clean and regularly perform dusting.
Environment Requirements
Operating temperature: 0 ℃~40 ℃ Operating humidity: 10%~90% RH non-condensing

2. Connect the Router



Step 1: Connect the PON port to the internet using an indoor fiber cord.
Step 2: Connect a computer to one of the LAN ports of the router.
Step 3: Connect the router to a power receptacle using the included power adapter.
Step 4: Turn on the router.

3. Configure the Router

Step 1: Log in to the web UI of the router

1. Start a web browser, enter **192.168.1.1** in the address bar, and press **Enter** on the keyboard.
2. Enter the login username and password (**admin** for both by default), and click **Login**.

Step 2: Perform the registration process

1. Choose **Network** > **Remote Management** > **Authentication Methods** to enter the configuration page.
2. Select an authentication method based on the information provided by your internet service provider (ISP), and enter the required parameters.
3. Click **Submit** button on the bottom of the page.

Step 3: Create a WAN connection

1. Choose **Network** > **WAN** > **WAN Connection** to enter the configuration page.
2. **IP Version:** Select your IP version. Take **IPv4** as an example.
3. **VLAN Mode:** Select **Disabled** or **Tag**. Take **Tag** as an example.
4. **Connection Name:** Select **Create WAN Connection**.
5. **Service List:** Select a service type from the drop-down list. Take **INTERNET** as an example.
6. **VLAN Tag:** Select a VLAN type. Take **Tag** as an example.
7. **VLAN ID:** Enter the VLAN ID provided by your ISP.
8. **802.1p:** Select a priority for VLAN. Keep it default unless you get the information provided by your ISP.
9. **Username:** Enter the PPPoE user name provided by your ISP.
10. **Password:** Enter the PPPoE password provided by your ISP.
11. Click **Create** button on the bottom of the page.

* If other parameters on this page are provided by your ISP, configure them according to your needs.

Status
Network
Security
Advanced
Administration
Maintenance
WAN
WLAN
LAN Access Setting
Port Management
VLAN
Remote Management
SNTP
DDNS
Routing
Connection Name
Service List
Enable NAT
Enable Firewall
Enable Ping Access on WAN
Enable Web Access on WAN
Enable IGMP Proxy
Enable IGMP Snooping
Enable Multicast Stream
Enable Ping Access on LAN
Enable Web Access on LAN
Enable Bridge Service
Bridge Type
Source MAC Address Filtering
Destination MAC Address
Enable VLAN
VLAN ID
802.1p
Service Type
Enable IGMP Snooping
Enable Multicast Stream
Multicast VLAN ID
Connection Type
Obtain IP Address
IP Version
IPv4
Enable NAT
Enable Firewall
Enable Ping Access on WAN
Enable Web Access on WAN
Enable IGMP Proxy
Enable IGMP Snooping
Enable Multicast Stream
Multicast VLAN ID
Connection Type
Obtain IP Address
IP Version
IPv4
Service List
INTERNET
VLAN Mode
Tag
VLAN ID
802.1p
Service Type