



Quick Installation Guide

GPON ONT
HG1

Package contents

- ONT x 1
- Power adapter x 1
- Quick installation Guide x 1

For product or function details, please go to www.tendacn.com to download the user guide.

2. Configure the internet access

- Tips:**
- Choose a desired mode to configure your internet access:
 - Bridge mode (default): Dial up on a router or computer.
 - Router mode: Configure the internet on the device.

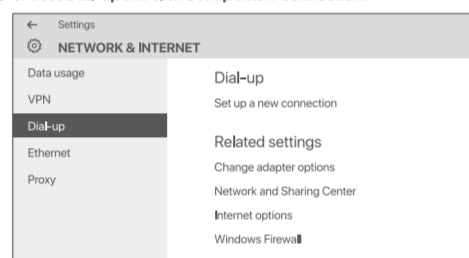
Bridge mode

Option 1: Dial up on a router

- 1 Connect the LAN port of the device to the WAN port of a router using an Ethernet cable.
 - 2 Connect the computer to a LAN port of the router.
 - 3 Set up a PPPoE connection on the router as required.
- After the settings, you can access the internet through the router.

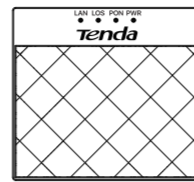
Option 2: Dial up on a computer (Windows 10)

- 1 Connect the LAN port of the device to a computer using an Ethernet cable.
- 2 Right-click on the desktop and choose **Network Connections**.
- 3 Choose **Dial-up** and click **Set up a new connection**.



Get to know your device

LED indicators



| LED indicator | Color | Status | Description |
|---------------|-------|----------|---|
| LAN | Green | Solid on | The LAN port is connected properly, but no data is being transmitted over the port. |
| | | Blinking | The LAN port is connected properly, and data is being transmitted over the port. |
| | | Off | No Ethernet cable is connected or the Ethernet cable is not connected to the LAN port properly. |
| LOS | Red | Blinking | The received optical power is lower than the optical receiver sensitivity, or no fiber cord is connected. |
| | | Off | The received optical power is within the optical receiver sensitivity. |
| PON | Green | Solid on | The device is registered successfully. |
| | | Blinking | The registration is not completed (unregistered or registering). |
| | | Off | The received optical power is lower than the optical receiver sensitivity, or no fiber cord is connected. |
| PWR | Green | Solid on | The device is powered on properly. |
| | | Off | The device is powered off or not powered on properly. |

Ports & Buttons

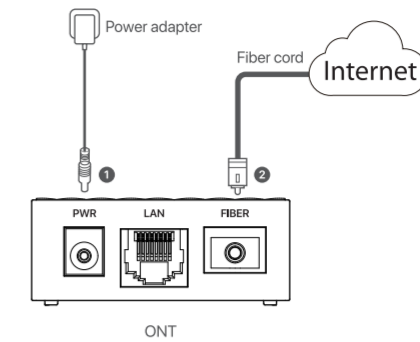


| Jack/Port/Button | Description |
|------------------|---|
| PWR | Power jack. Please use the included power adapter to connect the device to a power source. |
| LAN | Gigabit LAN port. Used to connect to a router, switch or computer. |
| FIBER | SC/APC optical fiber port. Used to connect to optical network. |
| RST | Reset button. After the device completes startup, use an object with a spike to hold the button down for more than 10 seconds and release it. All LED indicators light off in a few seconds. When the PWR LED indicator lights solid on again, the device is reset. |

- Tips:**
- This device supports wall mounting. The recommended parts are as follows:
Expansion bolt: M4
Screws: PA3; quantity: 2; diameter: 2.0-4.0mm; head diameter: 5.0-6.5mm; head thickness: ≤2.3mm.

1. Connect and register the device

Connect the device as follows. Wait until the PON LED indicator lights solid on, then the device is registered successfully.



- Tips:**
- Ensure that your fiber access type is **GPON**. The device is not compatible with **EPON**.
 - You may be required to register the device using parameters provided by your ISP.
- Method: Connect the LAN port of the device to a computer using an Ethernet cable, and log in to the web UI by visiting **192.168.1.1** in a web browser (default login user name and password are both **admin**). Navigate to **Admin > GPON Settings** to register with the parameters provided by your ISP.

Router mode

Step 1: Log in to the web UI

- 1 Connect the LAN port of the device to a computer using an Ethernet cable.
- 2 Start a web browser on the computer and visit **192.168.1.1**.
- 3 Enter the **User Name** and **Password**, which are both **admin** by default.
- 4 Click **Login**.

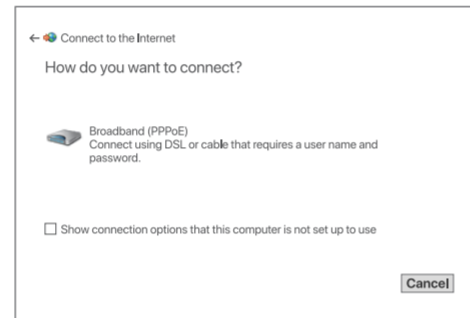


- Tips:**
- If the above page does not appear, refer to **Q1** in **FAQ**.

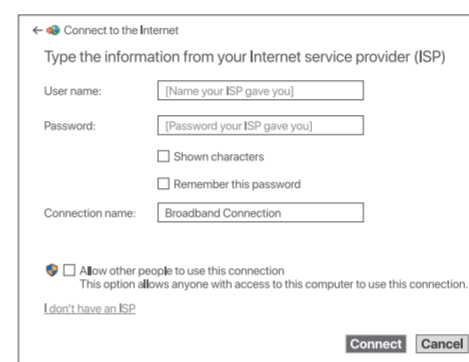
- 5 Click **Connect to the Internet** and click **Next**.



- 6 Click **Broadband (PPPoE)**.



- 7 Enter the PPPoE **User name** and **Password** provided by your ISP and click **Connect**.

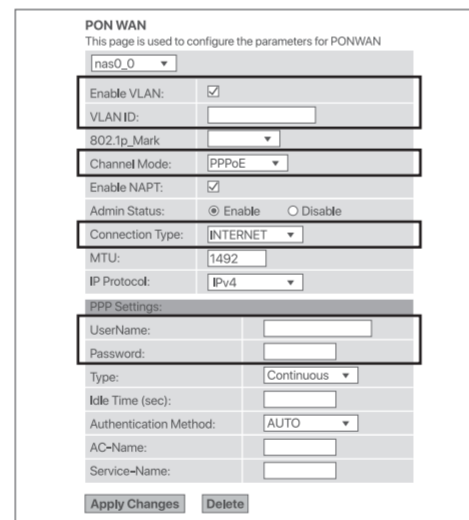


Wait a few seconds until the dial-up succeeds, then you can access the internet on the computer.

Step 2: Set up a WAN connection

- Tips:**
- PPPoE is used for illustration here. Please change the parameters as required by your ISP.

- 1 Choose **WAN > PON WAN**.
- 2 Tick **Enable VLAN**.
- 3 Enter the **VLAN ID** provided by your ISP.
- 4 Set **Channel Mode** to **PPPoE**.
- 5 Set **Connection Type** to **INTERNET**.
- 6 Enter the PPPoE **UserName** and **Password** provided by your ISP.
- 7 Click **Apply Changes**.
- 8 Click **OK** when **Change setting successfully** is shown on the page.



- Done.**
- To access the internet:
- Connect the computer to the **LAN** port of the device.
 - Connect the **LAN** port of the device to the WAN port of a router (dynamic IP address) to provide wireless coverage.

- Tips:**
- If you cannot access the internet after the configuration, refer to **Q2** in **FAQ**.



DO NOT look directly at the FIBER port when the device is powered on, as well as the terminal of the indoor fiber cord, to prevent any harm to your eyes.



This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures. The mains plug is used as disconnect device, the disconnect device shall remain readily operable.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

Declaration of Conformity
Hereby, SHENZHEN TENDA TECHNOLOGY CO., LTD. declares that the radio equipment type HG1 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
<http://www.tendacn.com/en/service/download-cata-101.html>

Software Version: V1.0.0



Caution:
Adapter Model: BN003-A05009E
Manufacturer: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO., LTD.
Input: 100-240V AC 50/60Hz 0.3A
Output: 9V --- 0.6A
--- : DC Voltage

Operating Environment
Temperature: 0°C - 45°C
Humidity: (10 - 90) %RH, non-condensing



RECYCLING
This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys new electrical or electronic equipment.

FAQ

Q1: I cannot log in to the web UI by visiting 192.168.1.1. What should I do?

- A1:** Try the following solutions:
- Ensure that the device is powered on properly.
 - Ensure that the Ethernet cable between the ONT and the computer is connected properly.
 - Ensure that your computer is set to obtain an IP address automatically.
 - Ensure that the IP address of your computer is at the same network segment as the device.
 - Clear the cache of the web browser or change a web browser and try again.
 - Use another computer and try again.
 - Reset the device (after the device completes startup, use an object with a spike to hold down the RST button for 10 or more seconds and release it. All LED indicators light off in a few seconds. When the PWR LED indicator lights solid on, the device is restored to factory settings) and try again.

Q2: I cannot access the internet after the configuration. What should I do?

- A2:** Try the following solutions:
- Check the LED indicator status of device:
 - If the PWR LED indicator is off, ensure that the device is powered on properly.
 - If the LOS LED indicator blinks, ensure that the FIBER port is clean and connected properly, the fiber cord is not bent excessively and the input optical power is within the normal range (Rx Power between -28 dBm to -8 dBm on the **Status > PON** page).
 - If the PON LED indicator blinks, the device is not registered. Contact your ISP or verify the parameters for registration are correct.

- If you set the device to the router mode, ensure that the device obtains a valid IP address and gateway on the **Status > Device > WAN Configuration** page. If not, the WAN connection is not set up successfully. Verify the parameters are correct.
 - If the LAN port of the device is connected to a router, ensure that your router is configured and connected properly and your ISP supports self-purchased PON device for internet access.
 - If you access the internet with a computer, ensure that your computer is connected to the LAN port of the device or downstream router properly and set to obtain an IP address automatically.
- If the problem persists, consult your ISP.

Q3: How to reset the device?

- A3:** Method1: After the device completes startup, use an object with a spike to hold down the RST button for 10 or more seconds and release it. All LED indicators light off in a few seconds. When the PWR LED indicator lights solid on, the device is restored to factory settings.
Method2: Log in to the web UI of the device, choose **Admin > Backup/Restore** and click **Reset** on the page.

Technical Support

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