

Quick Installation Guide

GPON

GN630V




SKYWORTH


Shenzhen Skyworth Digital Technology Co., LTD.

Safety Instructions

1. This equipment is a Class III electrical appliance which is designed to be supplied from a separated/safety extra-low voltage (SELV) power source. The voltage from a SELV supply is low enough that under normal conditions a person can safely come into contact with it without risk of electrical shock.
2. WARNING: To reduce the risk of fire or electric shock, do not expose this device to rain or moisture. The device shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.
3. WARNING: the power plug/direct plug-in adapter is used as disconnect device, the disconnect device shall remain readily operable.



4.  Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable of material resources. To return your used device, please use the return and collection systems or contact the retailer or service operator where the product was purchased. They can take this product for environmental safe recycling.

5. For the terminals marked with symbol of “” may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the used of ready-made leads or cords.




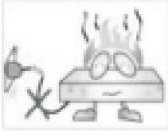





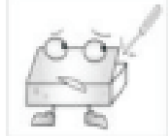


6. This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

Warning: to reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

7. Use only the AC adapter which is included in the product package. Any other adapter may cause damage to the device. Such damage is not covered under warranty.

Please pay attention to the following important safety instructions for ONT installation and use.

	Please stop using the device during a lightning storm. To avoid damage by lightning strike, please cut off power and disconnect all the cables.
	Please keep device on a stable platform, and make device in well-ventilated and sunlight-free environment.
	During storage, transport and use of this device, please keep it dry strictly, If any liquid accidentally fall inside the device, please cut off power supply immediately, and contact your local operator
	Please use the original power adapter and other accessories. To avoid electric shock, please keep the power plug dry and clean, and never use damaged power cord.
	To avoid swallowing and other dangerous behavior, do not allow unsupervised children to use or play with this device and accessories.
	If any abnormal phenomena found, such as smoke, abnormal sound or peculiar smell, please stop using it immediately and cut off power immediately.
	Please keep at least 10cm space around this device for ventilation when place it, and away from heat/fire source, such as heater or candle
	Do not place any objects on the device or power cord/plug, and never cover ventilation holes with any objects
	Stop using the device and cut off power supply before cleaning. Please use a soft, dry cloth to clean outer case while it's necessary.
	To reduce the risk of electric shock, do not open the outer case of the device. Please refer servicing to qualified personnel only.

The outer case will have a certain degree of heat after long-running, don't worry, this device can still work normally.

FCC warning statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.





FCC Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Product Specifications

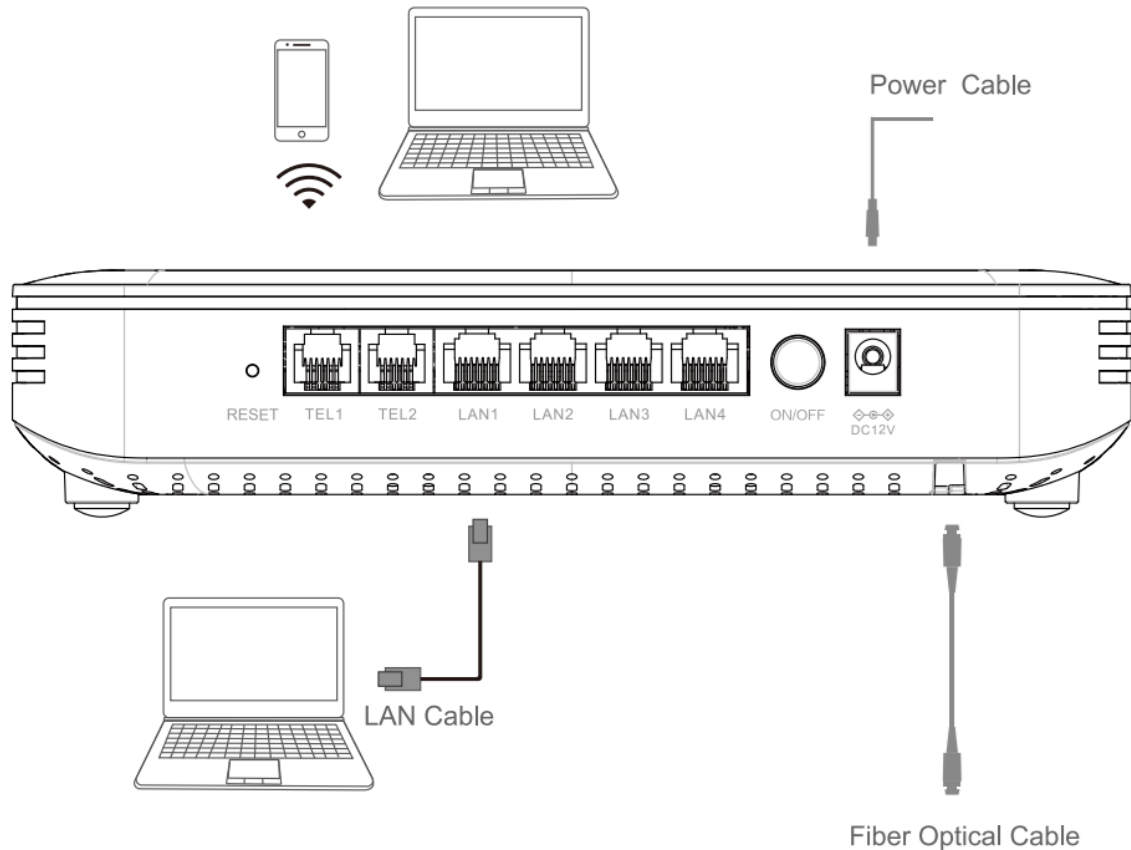
Item	Specification
Product Name	GPON ONT
GPON Standard	ITU-T G.984, TR156/TR255
Maximum PON speed	2.5Gbps/1.25Gbps
Wi-Fi Standard	IEEE802.11b/g/n/ac/ax
Maximum Wi-Fi speed	2.4G: 2x2 Wi-Fi 6 (802.11ax) 574Mbps 5G: 2x2 Wi-Fi 6 (802.11ax) 2402Mbps
Optical Interface	1*SC/APC, 1310/1490WDM
LAN Interface	4*Gigabit Ethernet Ports, RJ45
Phone Interface	2*FXS Phone Ports, RJ11
Wi-Fi Antenna	2.4G: Ant1: 2.75dBi; Ant2: 2.09dBi; 5G: Ant1: 3.99dBi; Ant2: 3.98dBi; Omni-directional
Environment	
Rated Power Input	12VDC/1.5A
Operating Temperature	0 ~ 45°C (32~113°F)
Storage Temperature	-20 ~ 65°C(-4~149°F)
Operating Humidity	0 ~ 95% non-condensing

Packaging Items

GN630V		GPON ONT, with 4 Wi-Fi antennas
Power Adapter		Output 12VDC/1.5A Switching Power Adapter
Ethernet Cable		Standard CAT5e Ethernet cable for connecting your devices to the ONT
Quick Installation Guide		This QIG provides basic product specification and information for installing the device and get it up and running on your home network

Install the ONT

Notes: Additional items such as optical fiber patch cord that are not included with the ONT may be needed to complete your ONT installation.



Installation Steps:

1. Connect the optical fiber patch cord to the Optical socket at the bottom of your ONT. The connector of the fiber cord shall be SC/APC usually in green color.
2. Connect the Ethernet cable to the LAN port on your computer and then to any of the LAN ports at the rear of your ONT.
3. Connect your telephone or fax machine to TEL port at the rear of ONT. The TEL port shall be specified by your service provider.
4. Connect power adapter to the DC Power jack on the rear of your ONT and then plug the power adapter into an electrical wall outlet. Press the ON/OFF button on your ONT, this will then power on the ONT. Check the LEDs on your ONT. Please Refer to “Front Panel LEDs” section for more information.

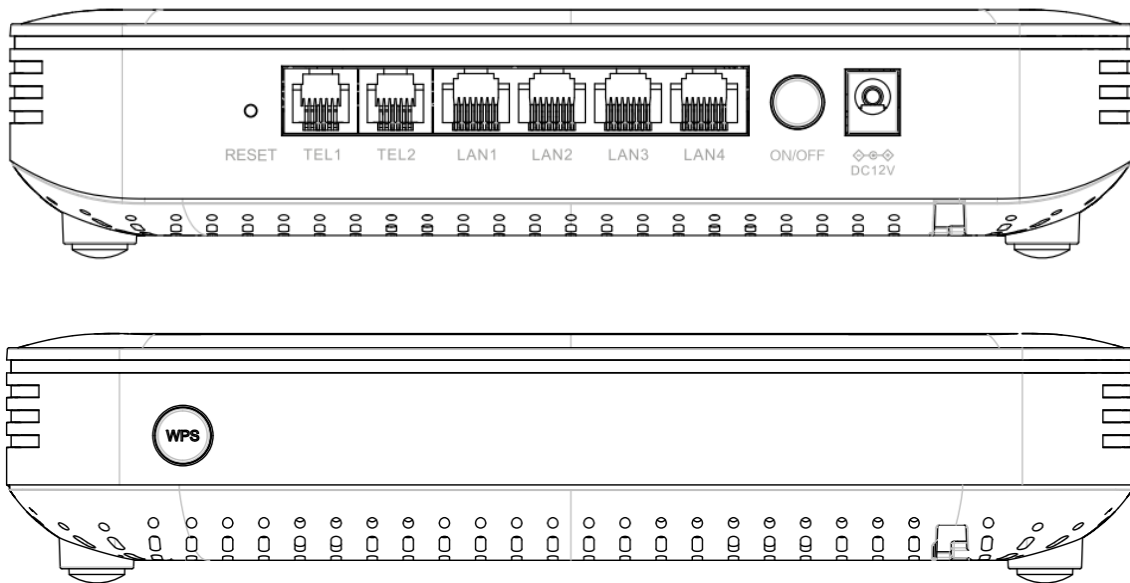
Front Panel LEDs



LED	Color	Status	Description
Power	Green	On	Power On
		Off	Power Off
PON	Green	Refer to table below: "PON LED Status Instruction"	
LOS	Red	Refer to table below: "PON LED Status Instruction"	
WAN	Green	On	Got WAN IP Address Successfully
		Flash	Data Under Transmitting
		Off	Device in bridged mode or no IP
LAN 1~4	Green	On	LAN device Connected
		Flash	Data Under Transmitting
		Off	No Connection
2.4G	Green	On	2.4G Wi-Fi Enabled
		Flash	Data Under Transmitting
		Off	Disable
5G	Green	On	5G Wi-Fi Enabled
		Flash	Data Under Transmitting
		Off	Disable
WPS	Green	On	Pairing ok
		Flash	In pairing
		Off	Not activated/not triggered
TEL 1~2	Green	On	Phone registration succeeded
		Flash	Phone is registering or on call
		Off	Voice port disabled

PON LED Status Instruction		
PON	LOS	Description
Off	Off	The ONT is disabled by the OLT
Flash	Off	The ONT is registering to the OLT
On	Off	The ONT has already registered to OLT
Off	Flash	The fiber is not connected properly

Rear and Front Panel



No.	Name	Description
1.	RESET	Reset button. Press and hold for 5 seconds to Reset configuration to the factory default settings.
2.	TEL 1/2	Two RJ11 Telephone Port
3.	LAN 1/2/3/4	Four RJ45 Gigabit Ethernet Port
4.	ON/OFF	Power On/Off Button
5.	12V/1.5A	DC12V Power Input Jack
6.	WPS	Press and hold for 5 seconds to activate WPS pairing for both 2.4G and 5G.
7.	Optical	SC/APC socket for optical fiber patch cord. Note: the optical interface is located at the bottom of the ONT.

Login Web Manager and Setup the ONT

How to login the ONT Web Manager

Open the web browser and input the IP as well the username and password:

Default login IP: 192.168.1.1

Username: admin

Password: *<please check the label on your ONT>*

How to setup Wi-Fi Network Name (SSID) and Password

Step1: Login Web Manager first

Step2: Click "Network", then select "WLAN 2.4G" or "WLAN 5G"

Step3: Input your new SSID name in "SSID"

Step4: Input your new password in "WPA Pre-Shared Key"

Step5: Click the "Confirm" button to submit your change and the change will be

taken effect immediately

How to change Web Login Password

Step1: Login Web Manager first

Step2: Click "Management" on main menu

Step3: Click "User Management" on submenu

Step4: Enter your new password

Step5: Click on "Confirm" button to submit your change

How to restore the ONT Configurations to Factory Default

You have two options to reset the device's configuration to its factory default settings.

Option 1:

Step1: Login Web Manager first

Step2: Click "Management" on main menu, then select "Restore Default" on the submenu

Step3: Click on "Restore Default" button, this will then reset the device's configurations to its factory default settings.

Option2:

Press and hold the 'RESET' button at rear panel of your GN630V for more than 5 seconds using the end of a paper clip or other small object with a narrow tip such as a pencil, and then release.

Troubleshooting

Trouble	Troubleshooting
ONT not work	<ul style="list-style-type: none"> • Make sure the power adapter is plugged in the electrical wall outlet • Check the power adapter is also plugged in the DC jack at the rear of the ONT • Make sure the power On/Off button on the rear panel is set to ON status • If the ONT can't power on or often restart, please contact your ISP
Can not Access Internet	<ul style="list-style-type: none"> • Plug out the Ethernet cable then plug in the Ethernet cable, wait one minute, check the problem again • Power Off the ONT, then power On, wait five minutes, check the problem again • Check LED status, if LOS LED is flashing, or PON and Internet LED are Off, please check your optical fiber connection, or contact your ISP for help
Can not access Internet via Wi-Fi	<ul style="list-style-type: none"> • Check whether the WAN and 2.4G/5G Wi-Fi indicators on the ONT front panel are all ON or flashing • Make sure your wireless device has connected the correct Wi-Fi SSID • Modify the encryption type of Wi-Fi, check the problem again • Modify the Wi-Fi SSID name and password, check the problem again • Power Off the ONT then power On, wait five minutes, check the problem again • If all the above operations can't solve the problem, please contact your ISP



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