

# **Vigor180 Series**

## **XGS-PON Router**

### **Quick Start Guide**

**Version: 1.0**

**Firmware Version: V5.3.3**

**(For future update, please visit DrayTek web site)**

**Date: 31 March 2026**

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## Safety Instructions and Approval

### Safety Instructions

- Read the installation guide thoroughly before you set up the device.
- The device is a complicated electronic unit that may be repaired only by authorized and qualified personnel. Do not try to open or repair the device yourself.
- Do not place the device in a damp or humid place, e.g. a bathroom.
- Do not stack the devices.
- The device should be used in a sheltered area, within a temperature range of 0 to +40 Celsius.
- Do not expose the device to direct sunlight or other heat sources. The housing and electronic components may be damaged by direct sunlight or heat sources.
- Do not deploy the cable for LAN connection outdoor to prevent electronic shock hazards.
- Do not power off the device when saving configurations or firmware upgrades. It may damage the data in a flash. Please disconnect the Internet connection on the device before powering it off when a TR-069/ ACS server manages the device.
- Keep the package out of reach of children.
- When you want to dispose of the device, please follow local regulations on conservation of the environment.

### Warranty

We warrant to the original end user (purchaser) that the device will be free from any defects in workmanship or materials for a period of two (2) years from the date of purchase from the dealer. Please keep your purchase receipt in a safe place as it serves as proof of date of purchase. During the warranty period, and upon proof of purchase, should the product have indications of failure due to faulty workmanship and/or materials, we will, at our discretion, repair or replace the defective products or components, without charge for either parts or labor, to whatever extent we deem necessary to restore the product to proper operating condition. Any replacement will consist of a new or re-manufactured functionally equivalent product of equal value, and will be offered solely at our discretion. This warranty will not apply if the product is modified, misused, tampered with, damaged by an act of God, or subjected to abnormal working conditions. The warranty does not cover the bundled or licensed software of other vendors. Defects which do not significantly affect the usability of the product will not be covered by the warranty. We reserve the right to revise the manual and online documentation and to make changes from time to time in the contents hereof without obligation to notify any person of such revision or changes.



## EU Declaration of Conformity

Hereby, DrayTek Corporation declares that the equipment type Vigor180 is in compliance with EU EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU and RoHS 2011/65/EU.

The full text of the EU Declaration of Conformity is available at the following internet address:  
<https://fw.draytek.com.tw/Vigor180/Document/CE/>

- Product name: XGS-PON Router
- Model number: Vigor180
- Manufacturer: DrayTek Corp.
- Address: No.26, Fushing Rd., Hukou, Hsinchu Industrial Park, Hsinchu 303, Taiwan

For more update, please visit [www.draytek.com](http://www.draytek.com).



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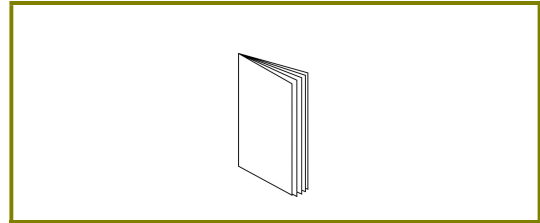
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# 1. Package Content

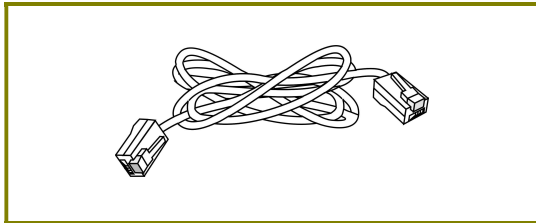
Take a look at the package content. If there is anything missed or damaged, please contact DrayTek or dealer immediately.



Vigor Device

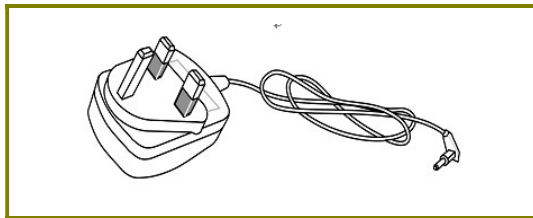


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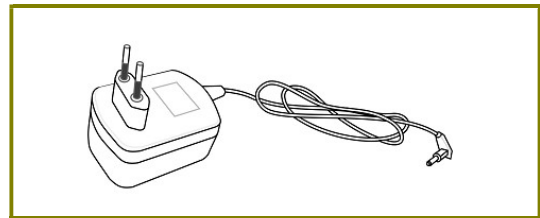


RJ-45 Cat-6 Ethernet Cable

The type of the power adapter depends on the country that the device will be installed.



UK-type Power Adapter

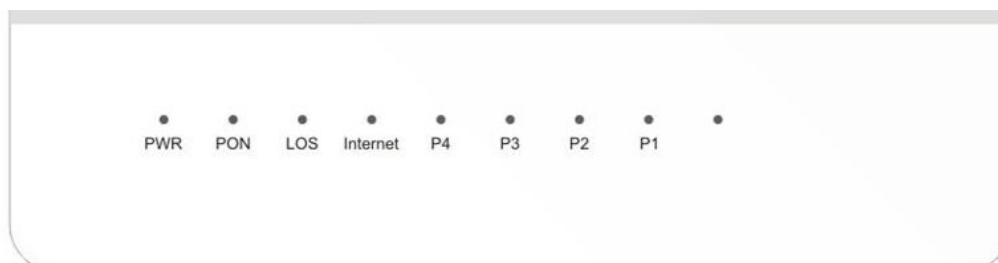


EU-type Power Adapter

## 2. Panel Explanation

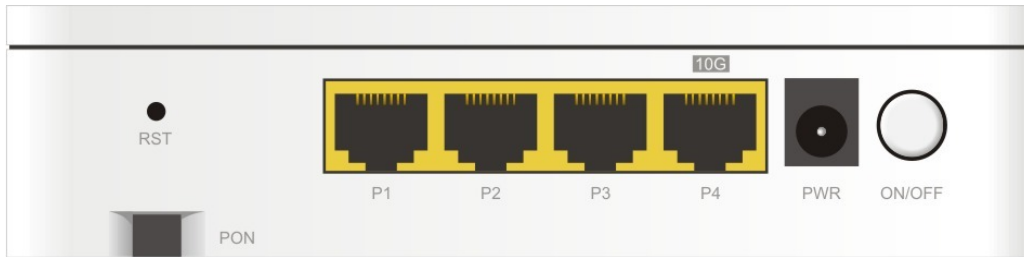
### 2.1 Vigor180

#### LED



LED	Status	Explanation
PWR	Blinking	The device is powered on and running normally.
	Off	The device is powered off.
PON	On	PON (Passive optical network) is registered and ready.
	Blinking	PON (Passive optical network) is detected and registering to the router.
	Off	PON (Passive optical network) is disabled or not registered.
LOS	ON (Red)	Loss-of-Signal detected (fiber disconnected, optical power too low, or transceiver fault); no downstream optical signal can be received.
	Blinking (Red)	The received optical power is lower than the sensitivity of the optical receiver.
	Off	No loss-of-signal detected. The received optical power is normal.
Internet	On	Internet connection is ready.
	Off	Internet connection is not ready.
P4 ~ P1	On	The LAN port is connected.
	Blinking	The data is transmitting.
	Off	The LAN port is disconnected.

## Connectors



Interface	Description
RST	Restore the default settings. Usage: Press the hole and keep for more than 5 seconds. Then release the button. The device will restart with the factory default configuration.
P1~P4	Connectors for local networked devices. In which, the transmission rate for P4(only) can reach up to 10G.
PWR	Connector for a power adapter.
ON/OFF	Power switch.

## 3. Hardware Installation

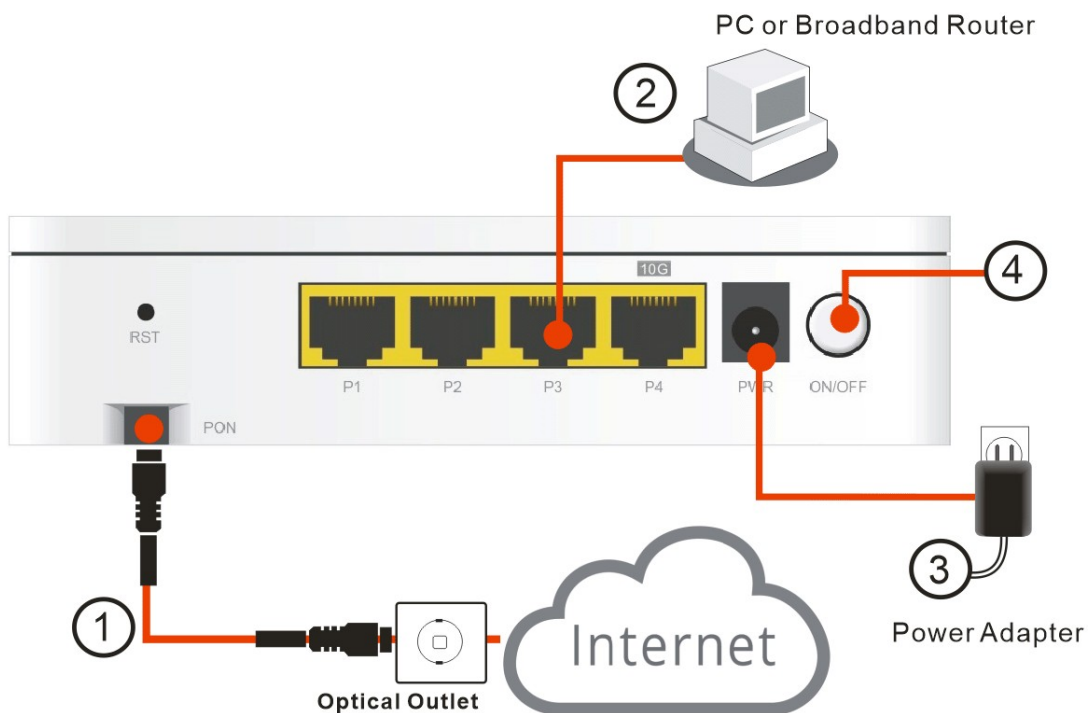
This section will guide you to install the device through hardware connection and configure the device's settings through web browser.

### 3.1 Network Connection

Before starting to configure the device, you have to connect your devices correctly.

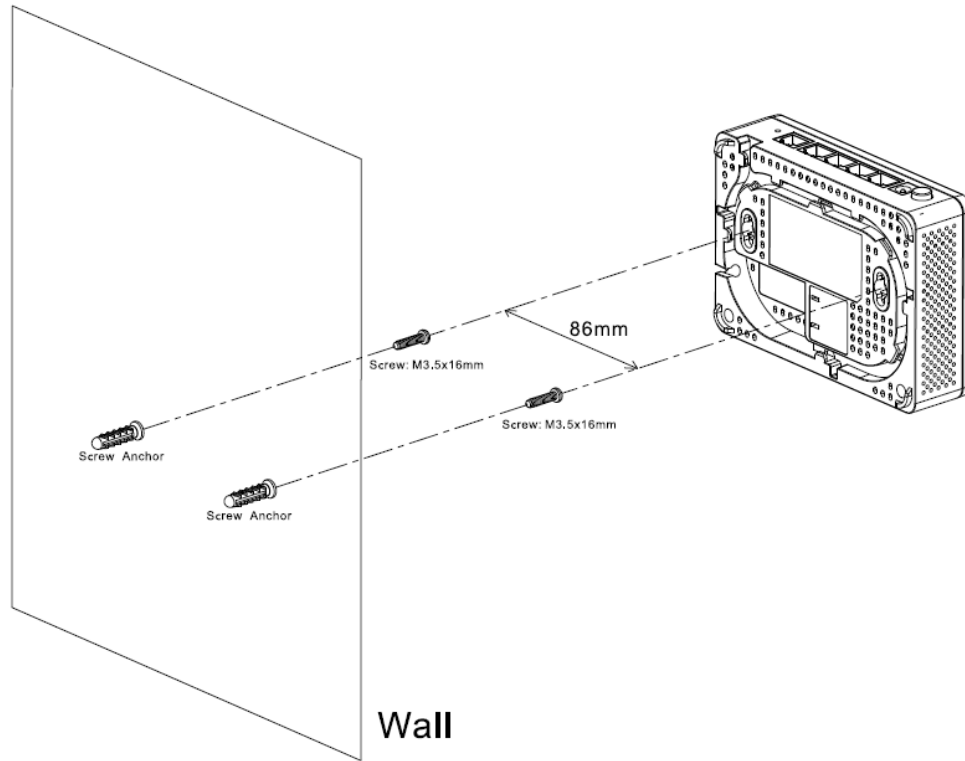
1. Connect the router with a fiber optic cable to get Internet access.
2. Connect one end of an Ethernet cable (RJ-45) to one of the LAN ports of the device and the other end of the cable (RJ-45) into the Ethernet port on your computer.
3. Connect one end of the power cord to the power port of this device. Connect the other end to the wall outlet of electricity.
4. Power on the device. Check the **PON** and **Internet**, **LAN** LEDs to assure network connection.

(For the detailed information of LED status, please refer to section 2. Panel Explanation)

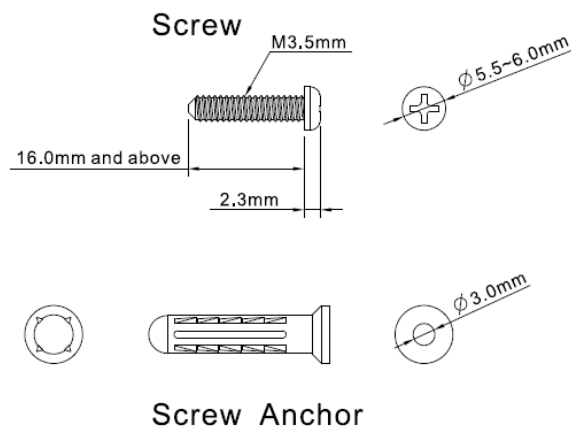


### 3.2 Wall-Mounted Installation

Wall-mounted installation might be required in some cases. Refer to the following figure:



1. Two screw slots are visible on the bottom side of the device, which are used for wall-mounting the router. The distance between the two slots is 86mm.
2. Please search for two suitable screws and fix them to the wall through screw anchors. Note that the wall-mounted slots of the router must be aligned with these two screws.

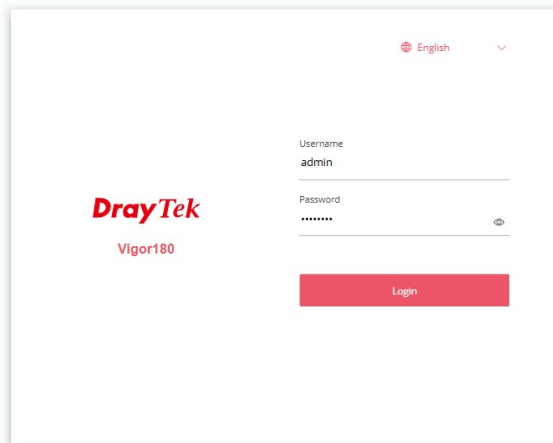


3. With the screws installed, the device can be slotted into place.

## 4. Software Configuration

By default, you can access the Internet if you finish the hardware installation. However, you might need to access the web user interface of the Vigor device for some reason; for this, follow the steps listed below.

1. Make sure your PC connects to the device correctly.
2. Open a web browser on your PC and type **https://192.168.1.1**. A pop-up window will open to ask for username and password. Please enter "admin/admin" as the Username/Password and click **Login**.



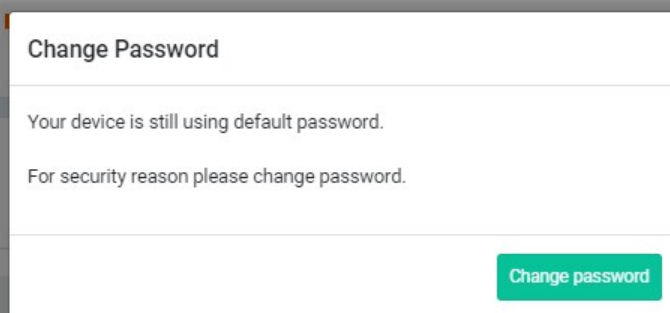
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### Note

You may either simply set up your computer to get IP dynamically from the device or set up the IP address of the computer to be the same subnet as **the default IP address of Vigor device 192.168.1.1**.

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3. Next, the page will appear to guide you change the login password.



4. You **MUST** change the login password before accessing the web user interface. Please set a new password for network security.

admin / Set Password

Account	admin
Current Password	..... <input type="checkbox"/>
New Password	..... <input type="checkbox"/>
Confirm New Password	..... <input type="checkbox"/>

- ✓ At least 8 characters
- ✓ Uppercase characters
- ✓ Lowercase characters
- ✓ Numbers or Special characters ~!@#\$\$%&\*()\_=/?[]{}<>\

5. Now, the **Main Screen** will pop up.

The dashboard displays the following information:

- PORT STATUS:** A visual representation of the device's ports, including a PON port and four Ethernet ports (P1, P2, P3, P4). A legend indicates port speeds: 10/100M (orange), 1G (green), 2.5G (teal), and 10G (blue).
- WAN STATUS:** A table showing WAN interface details.

IPv4		IPv6					
Name	MAC Address	Connection Type	IP Address	Gateway	Primary DNS	Secondary DNS	Uptime
[WAN] WAN1	14-49-BC-4E-5F-E8	DHCP			8.8.8.8	8.8.4.4	00:00:00


- LAN STATUS:** A table showing LAN interface details.

IPv4		IPv6			
Name	IP Address	Subnet Mask	DHCP	Primary DNS	Secondary DNS
[LAN] LAN1	192.168.1.1	255.255.255.0	On	8.8.8.8	8.8.4.4

- SYSTEM:** General system information for the device.

Device Name	DrayTek-4E5FE8
LAN MAC	14:49:BC:4E:5F:E8
System Uptime	0d 0h: 9m: 47s
ACS Server	<span style="color: red;">●</span>
Firmware	5.3.3

- XGS-PON INFORMATION:** Details about the XGS-PON connection.

Connection Status	Initial State
Connection Time	00:00:00
XGS-PON SN	DRTKBC4E5FE8
XGS-PON SLID	0123456789

- System Usage:** CPU Usage section.

## 5. Customer Service

If the device cannot work correctly after trying many efforts, please contact your dealer/DrayTek for further help right away. For any questions, please feel free to send e-mail to [support@draytek.com](mailto:support@draytek.com).

### **Be a Registered Owner**

Web registration is preferred. You can register your Vigor device via <https://myvigor.draytek.com>.

### **Firmware & Tools Updates**

Due to the continuous evolution of DrayTek technology, all devices will be regularly upgraded. Please consult the DrayTek web site for more information on newest firmware, tools and documents.

<https://www.draytek.com>