Manuals+ — User Manuals Simplified.

Draytek Vigor C410 Series VPN Router User Guide

Contents

Draytek Vigor C410 Series VPN Router

Specifications

- **Product**: Vigor C410/C510 LTE/5G-NR Series
- **Firmware Version**: V5.3.1

- **Frequency Information for the Europe area**:
  - **2.4GHz WLAN**: 2400MHz – 2483MHz, max. TX power: 19.94 dBm
  - **5GHz WLAN**: 5150MHz~5350MHz (indoor use only)
  - 5G-NR LTE 3G

Safety Instructions

- Read the installation guide thoroughly before you set up the router.
- The router is a complicated electronic unit that may be repaired only by authorized and qualified personnel. Do not try to open or repair the router yourself.
- Do not place the router in a damp or humid place, e.g., a bathroom.
- Do not stack the routers.
- The router should be used in a sheltered area, within a temperature range of 0 to +40 Celsius.
- Do not expose the router 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 outdoors 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 router before powering it off when a TR-069/ ACS server manages the router.
- Keep the package out of reach of children.
- When you want to dispose of the router, please follow local regulations on the conservation of the environment.

Package Content

Take a look at the package content. If there is anything missed or damaged, please contact DrayTek or your dealer immediately.
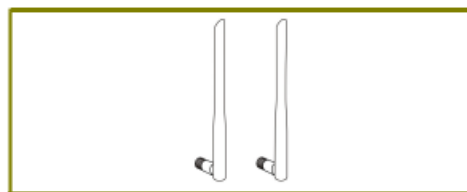
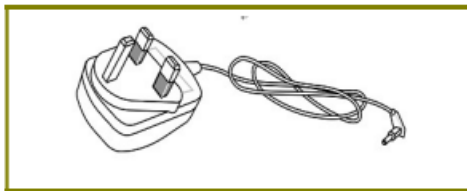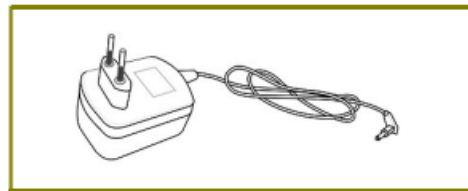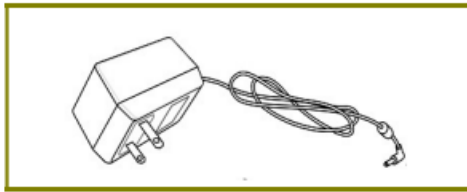|	
Vigor Router	Quick Start Guide
Antenna	Antenna (for ax model)
RJ-45 Cat-5 Ethernet Cable	

The type of power adapter depends on the country where the router will be installed. * The maximum power consumption is 18 Watts.
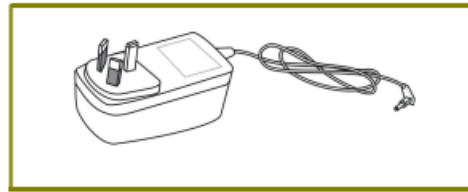
UK-type Power Adapter

EU-type Power Adapter

USA/Taiwan-type Power Adapter

AU/NZ-type Power Adapter

Note: Remove the protective film from the router before use to ensure ventilation.

Panel Explanation

Vigor C410

LED

LED	Status	Explanation
⏻	Blinking	The router is powered on and running normally.
	Off	The router is powered off.
⚡	On	Internet connection is ready.
	Blinking	The data is transmitting.
	Off	Internet connection is not ready.
2 1	On	SIM card is inserted into the slot and detected by Vigor device.
	Blinking	No SIM card in detected.
5 4 3 2 1	On	The LAN port is connected.
	Blinking	The data is transmitting.
	Off	The LAN port is disconnected.

Connectors

Interface	Description
Factory Reset	Restore the default settings. Usage: Turn on the router (ACT LED is blinking). Press the hole and keep for more than 5 seconds. When you see the ACT LED begin to blink rapidly than usual, release the button. Then the router will restart with the factory default configuration.
WAN	Connector for remote networked devices (by Ethernet cable).
P1~P5	Connectors for local networked devices.
SIM	Slots for installing SIM card(s).
ON/OFF	Power switch.
PWR	Connector for a power adapter.

Vigor C510

LED

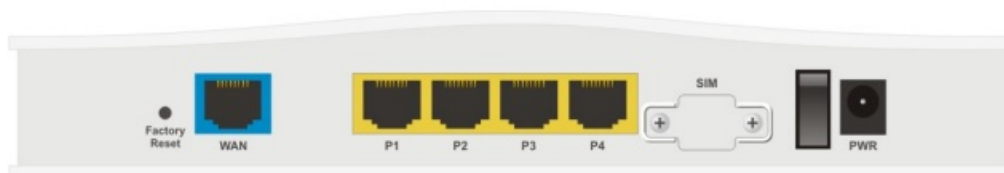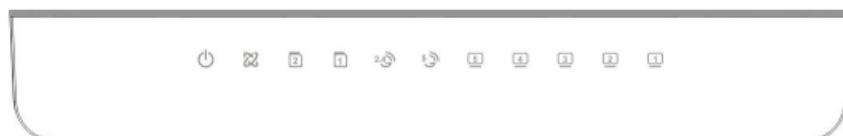| LED	Status	Explanation
⏻	Blinking	The router is powered on and running normally.
	Off	The router is powered off.
⚡	On	Internet connection is ready.
	Blinking	The data is transmitting.
	Off	Internet connection is not ready.
2 1	On	SIM card is inserted into the slot and detected by Vigor device.
	Blinking	No SIM card in detected.
4 3 2 1	On	The LAN port is connected.
	Blinking	The data is transmitting.
	Off	The LAN port is disconnected.

Connectors

Interface	Description
Factory Reset	Restore the default settings. Usage: Turn on the router (ACT LED is blinking). Press the hole and keep for more than 5 seconds. When you see the ACT LED begin to blink rapidly than usual, release the button. Then the router will restart with the factory default configuration.
WAN	Connector for remote networked devices (by Ethernet cable).
P1~P4	Connectors for local networked devices.
SIM	Slots for installing SIM card(s).
ON/OFF	Power switch.
PWR	Connector for a power adapter.

Vigor C410ax

LED

LED	Status	Explanation
⏻	Blinking	The router is powered on and running normally.
	Blinking (quickly)	When both ACT and WLAN LEDs blink quickly, it means the WPS function is enabled and active. The system is waiting for a wireless station of connection.
	Off	The router is powered off.
✕	On	Internet connection is ready.
	Blinking	The data is transmitting.
	Off	Internet connection is not ready.
2 1	On	SIM card is inserted into the slot and detected by Vigor device.
	Blinking	No SIM card in detected.
2.4 5	On	Wireless access point is ready.
	Blinking	Ethernet packets are transmitting over wireless LAN.
	Blinking (quickly)	When both ACT and WLAN LEDs blink quickly, it means the WPS function is enabled and active. The system is waiting for a wireless station of connection.
	Off	The WLAN function is inactive.
5 4 3 2 1	On	The LAN port is connected.
	Blinking	The data is transmitting.
	Off	The LAN port is disconnected.

Connectors

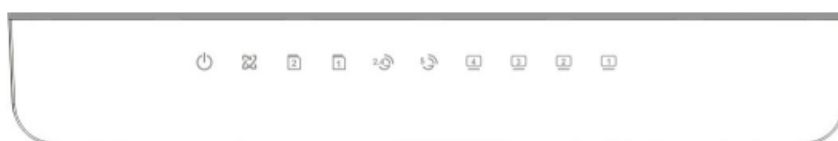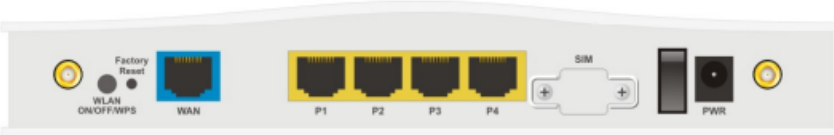| Interface	Description
(antenna connector)	Connecter for installing WLAN antennas. (For ax model).
WLAN ON/OFF/WPS	WLAN On - Press the button and release it within 2 seconds. When the wireless function is ready, the green LED will be on. WLAN Off - Press the button and release it within 2 seconds to turn off the WLAN function. When the wireless function is not ready, the LED will be off. WPS - When WPS function is enabled by web user interface, press this button for more than 2 seconds to wait for client's device making network connection through WPS.
Factory Reset	Restore the default settings. Usage: Turn on the router (ACT LED is blinking). Press the hole and keep for more than 5 seconds. When you see the ACT LED begins to blink rapidly than usual, release the button. Then the router will restart with the factory default configuration.
WAN	Connector for remote networked devices (by Ethernet cable).
P1~P5	Connectors for local networked devices.
SIM	Slots for installing SIM card(s).
ON/OFF	Power switch.
PWR	Connector for a power adapter.

Vigor C510ax

LED

LED	Status	Explanation
(power)	Blinking	The router is powered on and running normally.
	Blinking (quickly)	When both ACT and WLAN LEDs blink quickly, it means the WPS function is enabled and active. The system is waiting for a wireless station of connection.
	Off	The router is powered off.
(internet)	On	Internet connection is ready.
	Blinking	The data is transmitting.
	Off	Internet connection is not ready.
2 1 (SIM)	On	SIM card is inserted into the slot and detected by Vigor device.
	Blinking	No SIM card in detected.
2.4 5 (WLAN)	On	Wireless access point is ready.
	Blinking	Ethernet packets are transmitting over wireless LAN.
	Blinking (quickly)	When both ACT and WLAN LEDs blink quickly, it means the WPS function is enabled and active. The system is waiting for a wireless station of connection.
	Off	The WLAN function is inactive.
4 3 2 1 (LAN)	On	The LAN port is connected.
	Blinking	The data is transmitting.
	Off	The LAN port is disconnected.

Connectors

| Interface	Description
(antenna connector icon)	Connecter for installing WLAN antennas. (For ax model).
WLAN ON/OFF/WPS	WLAN On - Press the button and release it within 2 seconds. When the wireless function is ready, the green LED will be on. WLAN Off - Press the button and release it within 2 seconds to turn off the WLAN function. When the wireless function is not ready, the LED will be off. WPS - When WPS function is enabled by web user interface, press this button for more than 2 seconds to wait for client's device making network connection through WPS.
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WAN	Connector for remote networked devices (by Ethernet cable).
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SIM	Slots for installing SIM card(s).
ON/OFF	Power switch.
PWR	Connector for a power adapter.

Hardware Installation

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

Network Connection
Before starting to configure the router, you have to connect your devices correctly. Here we take Vigor C410 as an example.

1.
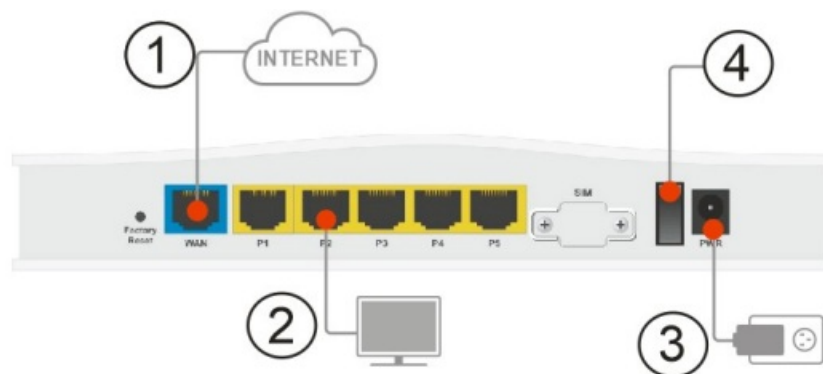
Connect the cable, Modem/DSL Modem/Media Converter to any WAN port of the router with an Ethernet cable (RJ-45).

2. Connect one end of an Ethernet cable (RJ-45) to one of the LAN ports of the router, and the other end of the cable (RJ-45) to 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.

4. Power on the router. Check the ACT and WAN, and LAN LEDs on the front panel to ensure network connection. (For detailed information on LED status, please refer to section 2. Panel Explanation)

Wall-Mounted InstallationThe
Vigor router series has keyhole-type mounting slots on the underside.

1. Drill two holes in the wall. The distance between the holes shall be 168mm.

2. Fit screws into the wall using the appropriate type of wall plug.

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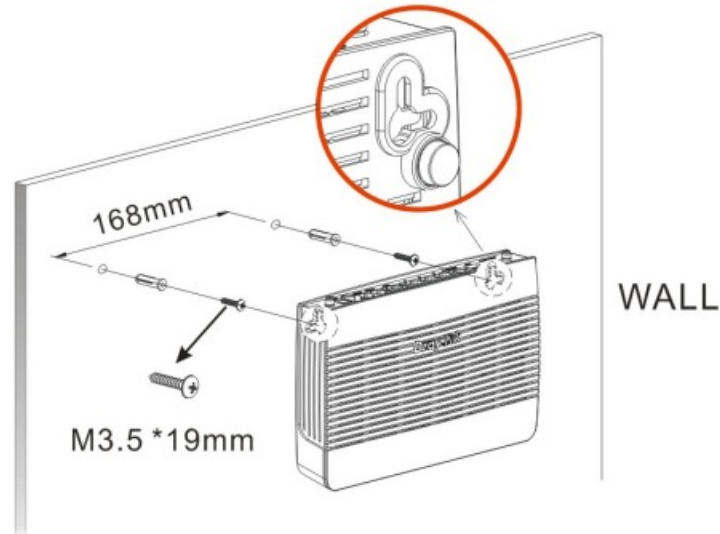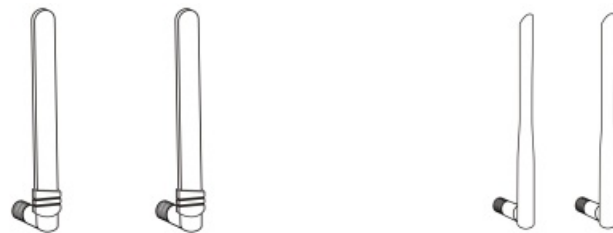

Note: The recommended drill diameter shall be 6.5mm (1/4").

4. When you finish about procedure, the router will be mounted on the wall firmly.

Antenna Installation

The antenna must be installed on the Vigor router correctly to obtain the transmission signal.


For model with SIM installed   For ax models

There are two types of antennas provided for Vigor C410ax / C510ax, which must be installed in different locations carefully and correctly. Wrong installation might cause a bad signal of the wireless connection. Therefore, pay attention to the installation of antennas by referring to the following illustration.
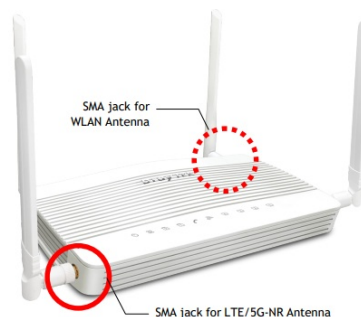
Note: The antennas for Vigor C410 must be installed on both sides of the device.
If only one antenna will be used, please install it on the left side of the Vigor router.
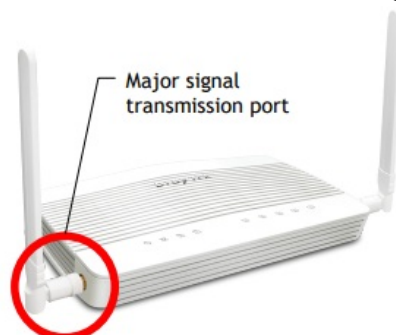
For installing the SIM card into the card slot,

1.

   While installing the SIM card into the card slot, note that the back plate of the SIM card slot must be removed

   first.

2. Assemble the SIM1 and SIM2 with the card cassette. Later, insert the cassette into the SIM card slot.

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 router for some reason; for this, follow the steps listed below.

1. Make sure your PC connects to the router correctly.
2.
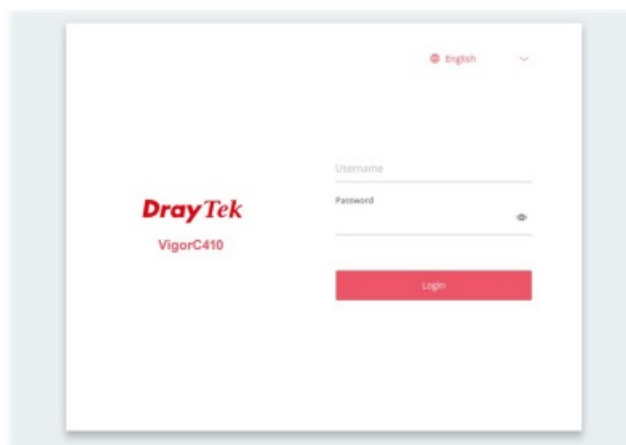
   Open a web browser on your PC and type **https://192.168.1.1**. A pop-up window will open to ask for the

   username and password. Please enter "admin/admin" as the Username/Password and click Login.

   Note: You may either simply set up your computer to get an IP dynamically from the router or set up the IP

   address of the computer to be the same subnet as the default IP address of the Vigor router, 192.168.1.1.

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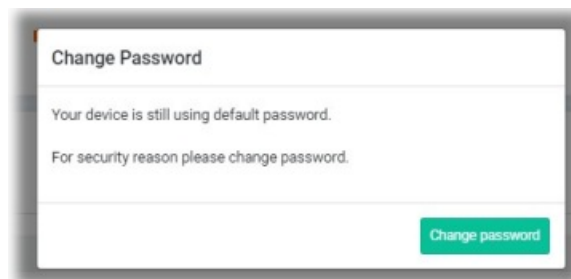
   Next, the page will appear to guide you in changing the login password.

4.

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

5.
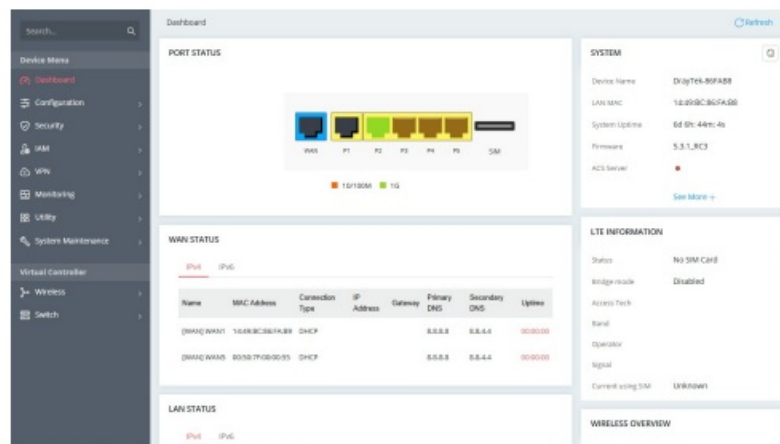
Now, the Main Screen will pop up.

Note: The home page will change slightly by the router you have.

Customer Service
If the router 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 an email to **support@draytek.com**.

Be a Registered Owner
Web registration is preferred. You can register your Vigor router via **https://myvigor.draytek.com**.

Firmware & Tools Updates
Due to the continuous evolution of DrayTek technology, all routers will be regularly upgraded. Please consult the DrayTek website for more information on the newest firmware, tools, and documents. **https://www.draytek.com**

FAQs

Q: Can I simultaneously use the Vigor C410/C510 Series VPN Router with 2.4GHz and 5GHz networks?
A: Yes, the router supports both 2.4GHz and 5GHz WLAN networks for simultaneous usage.

Q: How can I reset my router to factory settings?
A: To reset the router to factory settings, locate the reset button on the device and hold it down for at least 10 seconds while the router is powered on.

Documents / Resources

Draytek Vigor C410 Series VPN Router [pdf] User Guide
Vigor C410 Series, Vigor C410 Series VPN Router, VPN Router, Router

References

- **MyVigor - DrayTek**
- **User Manual**