Vigor2767 Series
35b Security Router
Quick Start Guide
(For RF Model)

Version: 1.0

Firmware Version: V5.3.0_RC

(For future update, please visit DrayTek web site)

Date: June 27, 2024

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Safety Instructions and Approval

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 be 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 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 router, please follow local regulations on conservation of the environment.
Warranty	We warrant to the original end user (purchaser) that the router 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 tore-store 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.

Declaration of Conformity

Hereby, DrayTek Corporation declares that the equipment type Vigor2767 series is in compliance with Radio Equipment Directive 2014/53/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/Vigor2767/Document/CE/
Manufacturer: DrayTek Corp.
Address: No.26, Fushing Rd., Hukou, Hsinchu Industrial Park, Hsinchu 303, Taiwan.
Product: Vigor2767 Wireless Series
Frequency Information for Europe area:

2.4GHz WLAN	2400MHz - 2483 MHz, max. TX power: 19.81dBm *1
5GHz WLAN	5150MHz - 5350 MHz, max. TX power: 22.70dBm *2 5470MHz - 5725 MHz, max. TX power: 29.47dBm *2
	Requirements in AT/BE/BG/CZ/DK/EE/FR/DE/IS/IE/IT/EL/ES/ CY/LV/LI/LT/LU/HU/MT/NL/NO/PL/PT/RO/SI/SK/TR/FI/SE/CH/HR/UK(NI). 5150MHz~5350MHz is for indoor use only.

(*1: for 2.4GHz WLAN model; *2: for 5GHz WLAN model)
This product is designed for DSL and 2.4GHz /5GHz WLAN network throughout the EC region.

Declaration of Conformity

Hereby, DrayTek Corporation declares that the equipment type Vigor2767 is in compliance with the Radio Equipment Regulations 2017 (SI 2017 No.1206, The Electrical Equipment (Safety) Regulations 2016 (SI 2016 No.1101), and The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI 2012 No. 3032).
The full text of the UKCA declaration of conformity is available at the following internet address:
https://fw.draytek.com.tw/Vigor2767/Document/CE/
Manufacturer: DrayTek Corp.
Address: No. 26, Fushing Rd., Hukou, Hsinchu Industrial Park, Hsinchu 303, Taiwan
Product: Vigor2767 Wireless Series
Importer: CMS Distribution Ltd: Bohola Road, Kiltimagh, Co Mayo, Ireland
Frequency Information for UK area:

2.4GHz WLAN	2400MHz - 2483 MHz, max. TX power: 19.81dBm *1
5GHz WLAN	5150MHz - 5350MHz, max. TX power: 22.70dBm *2 5470MHz - 5725MHz, max. TX power: 29.47dBm*2
	Requirements in UK. 5150MHz~5350MHz is for indoor use only.

(*1: for 2.4GHz WLAN model; *2: for 5GHz WLAN model)
This product is designed for DSL and 2.4GHz /5GHz WLAN network use in the UK & Ireland.

Regulatory Information

Federal Communication Commission Interference 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 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.

This device 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 may accept any interference received, including interference that may cause undesired operation.

WiFi 5GHz device Warning

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

The availability of some specific channels and/or operational frequency bands are country-dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

RF Exposure Warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

This radio transmitter FCC ID: VGY2767AX has been approved by FCC to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1.	Angeei	DPD2430SRW	Dipole Antenna	2.3 dBi for 2.4GHz 3.5 dBi for 5GHz

Note: The antenna connector is Reverse SMA type.

USA Local Representative	Company name	ABP International Inc.		
	Address	13988 Diplomat Drive Suite 180 Dallas TX 75234		
	ZIP Code	75234	E-mail	itadmin@abptech.com
	Contact Person	Mr. Henry N Castillo	Tel.	(972)831-1600 140

Caution

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

The antenna/transmitter should be kept at least 20 cm away from human body.

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External Power Supply ErP Information

*The external power supply used for each product will be model dependent.

		1	2	3	4	5	6	7	8	9	10	11	12
A	Manufacturer	CWT	CWT	CWT	CWT	CWT	APD	APD	APD	APD	MOSO	MOSO	MOSO
B	Address	No. 222, Sec. 2, Nankan Rd., Lujhu Township, Taoyuan County 338, Taiwan	No. 222, Sec. 2, Nankan Rd., Lujhu Township, Taoyuan County 338, Taiwan	No. 222, Sec. 2, Nankan Rd., Lujhu Township, Taoyuan County 338, Taiwan	No. 222, Sec. 2, Nankan Rd., Lujhu Township, Taoyuan County 338, Taiwan	No. 222, Sec. 2, Nankan Rd., Lujhu Township, Taoyuan County 338, Taiwan	No.5, Lane 83, Lung-Sou St., Taoyuan City 330, Taiwan	No.5, Lane 83, Lung-Sou St., Taoyuan City 330, Taiwan	No.5, Lane 83, Lung-Sou St., Taoyuan City 330, Taiwan	No.5, Lane 83, Lung-Sou St., Taoyuan City 330, Taiwan	Sangtai Industrial Park, Guanwai Xiaobaimang Songbai Road, Nanshan District, 518108 Shenzhen, Guangdong, China	Sangtai Industrial Park, Guanwai Xiaobaimang Songbai Road, Nanshan District, 518108 Shenzhen, Guangdong, China	Sangtai Industrial Park, Guanwai Xiaobaimang Songbai Road, Nanshan District, 518108 Shenzhen, Guangdong, China
C	Model identifier	2ABB012F UK	2ABB018F UK	2ABL024F UK	2ABL030F UK	2ABN036F UK	WA-12M12FG	WB-18D12FG	WA-24Q12FG	WA-36A12FG	MS-V2000R120-024Q0-GB	MSS-V2500WR120-030E0-GB	V30-V3000R120-036T0-GB
		2ABB012F EU	2ABB018F EU	2ABL024F EU	2ABL030F EU	2ABN036F EU	WA-12M12FK	WB-18D12FK	WA-24Q12FK	WA-36A12FK	MS-V2000R120-024Q0-DE	MSS-V2500WR120-030E0-DE	V30-V3000R120-036T0-DE
D	Input voltage	100-240V	100-240V	100-240V	100-240V	100-240V	100-240V	100-240V	100-240V	100-240V	100-240V	100-240V	100-240V
E	Input AC frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Output voltage DC	12.0V	12.0V	12.0V	12.0V	12.0V	12.0V	12.0V	12.0V	12.0V	12.0V	12.0V	12.0V
F	Output current	1.0A	1.5A	2.0A	2.5A	3.0A	1.0A	1.5A	2.0A	3.0A	2.0A	2.5A	3.0A
G	Output power	12.0W	18.0W	24.0W	30.0W	36.0W	12.0W	18.0W	24.0W	36.0W	24.0W	30.0W	36.0W
H	Average active efficiency	84.9%	86.2%	87.6%	87.8%	89.8%	83.7%	85.4%	88.6%	88.2%	87.8%	89.5%	89.3%
I	Efficiency at low load 10%	73.6%	78.0%	81.3%	83.3%	83.7%	74.5%	80.5%	86.4%	85.4%	85.4%	84.7%	87.7%
J	No-load power consumption	0.07W	0.07W	0.07W	0.07W	0.07W	0.07W	0.10W	0.07W	0.10W	0.10W	0.08W	0.10W

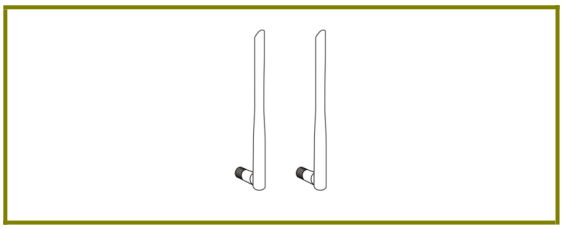
For more update, please visit www.draytek.com.

Table of Contents

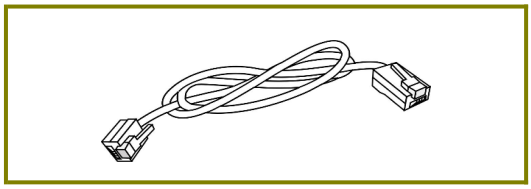
1. Package Content

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

Vigor router & Quick Start Guide



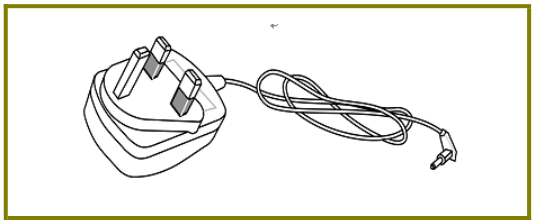
Antenna (ax models)



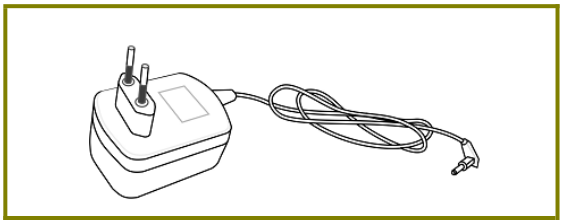
RJ-11 to RJ-45 Cable (Annex B)

RJ-11 to RJ-11 Cable (Annex A)

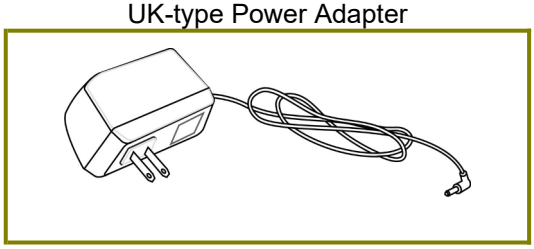
The type of the power adapter depends on the country that the router will be installed. * The maximum power consumption is ***17-23 Watt***.



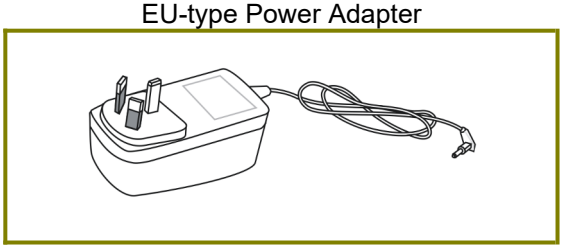
UK-type Power Adapter



EU-type Power Adapter



USA/Taiwan-type Power Adapter



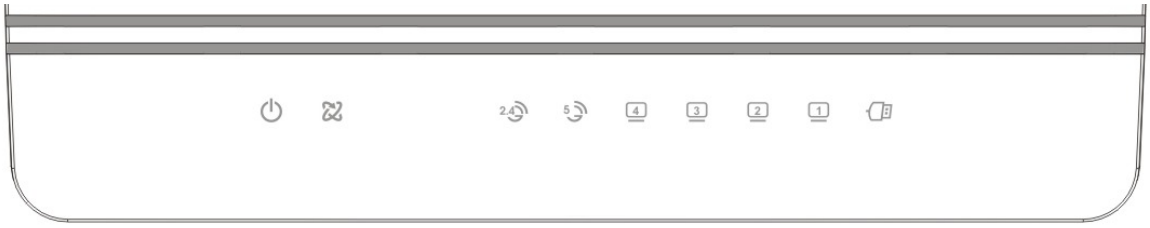
AU/NZ-type Power Adapter

Note

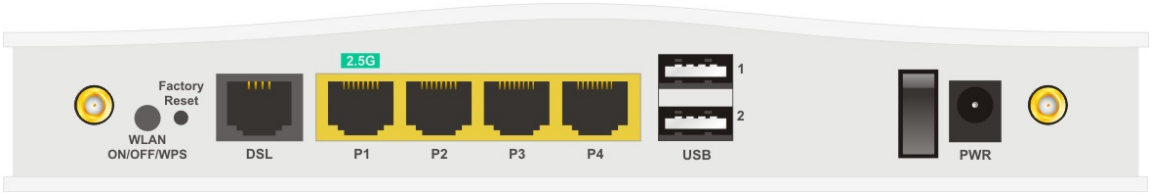
Remove the protective film from the router before use to ensure ventilation.

2. Panel Explanation

2.1 Vigor2767ax



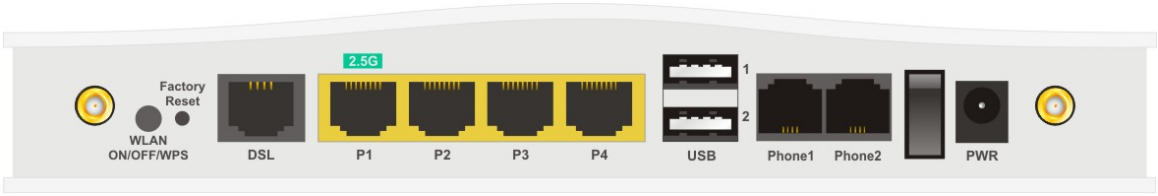
LED	Status		Explanation
(Activity)	Blinking		The router is powered on and running normally.
	Off		The router is powered off.
(DSL)	Orange	On	The DSL/Ethernet link up, waiting for the Internet connection.
		Off	The DSL/Ethernet module does not link or disable by configuration.
		Blinking	The DSL connection is ready for training.
	Green	On	The router is ready to access to the Internet through DSL link.
		Blinking	The data is transmitting.
(Wireless LAN On/Off/WPS)	On		The wireless access point is ready.
	Blinking		The data is transmitting via wireless connection based on the rate of 2.4GHz.
	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 wireless access point is turned off.
(Wireless LAN On/Off/WPS)	On		The wireless access point is ready.
	Blinking		The data is transmitting via wireless connection based on the rate of 5GHz.
	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 wireless access point is turned off.
(LAN1/2/3/4)	On		The LAN port is connected.
	Blinking		The data is transmitting.
	Off		The LAN port is disconnected.
(USB)	On		A USB device is connected and active.
	Blinking		The data is transmitting.



Interface	Description
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.
DSL	Connector for accessing the Internet.
2.5G WAN	Connector for remote networked devices (by Ethernet cable).
P1~P4	Connectors for local networked devices. In which the transmission rate for P1(only) can reach 2.5G.
USB1~USB2	Connector for a USB device (for 3G/4G USB Modem or printer).
I/O	Power Switch.
PWR	Connector for a power adapter.

2.2 Vigor2767Vax

LED	Status		Explanation
(Activity)	Blinking		The router is powered on and running normally.
	Off		The router is powered off.
(DSL)	Orange	On	The DSL/Ethernet link up, waiting for the Internet connection.
		Off	The DSL/Ethernet module does not link or disable by configuration.
		Blinking	The DSL connection is ready for training.
	Green	On	The router is ready to access to the Internet through DSL link.
		Blinking	The data is transmitting.
	On		The phone connected to this port is off-hook.
	Off		The phone connected to this port is on-hook.
	Blinking		A phone call comes.
(Wireless LAN On/Off/WPS)	On		The wireless access point is ready.
	Blinking		The data is transmitting via wireless connection based on the rate of 2.4GHz.
	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 wireless access point is turned off.
(Wireless LAN On/Off/WPS)	On		The wireless access point is ready.
	Blinking		The data is transmitting via wireless connection based on the rate of 5GHz.
	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 wireless access point is turned off.
(LAN1/2/3/4)	On		The LAN port is connected.
	Blinking		The data is transmitting.
	Off		The LAN port is disconnected.
(USB)	On		A USB device is connected and active.
	Blinking		The data is transmitting.



Interface	Description
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.
DSL	Connector for accessing the Internet.
2.5G WAN	Connector for remote networked devices (by Ethernet cable).
P1~P4	Connectors for local networked devices. In which the transmission rate for P1(only) can reach 2.5G.
USB1~USB2	Connector for a USB device (for 3G/4G USB Modem or printer).
Phone1/Phone2	Connector of analog phone for VoIP communication.
I/O	Power Switch.
PWR	Connector for a power adapter.

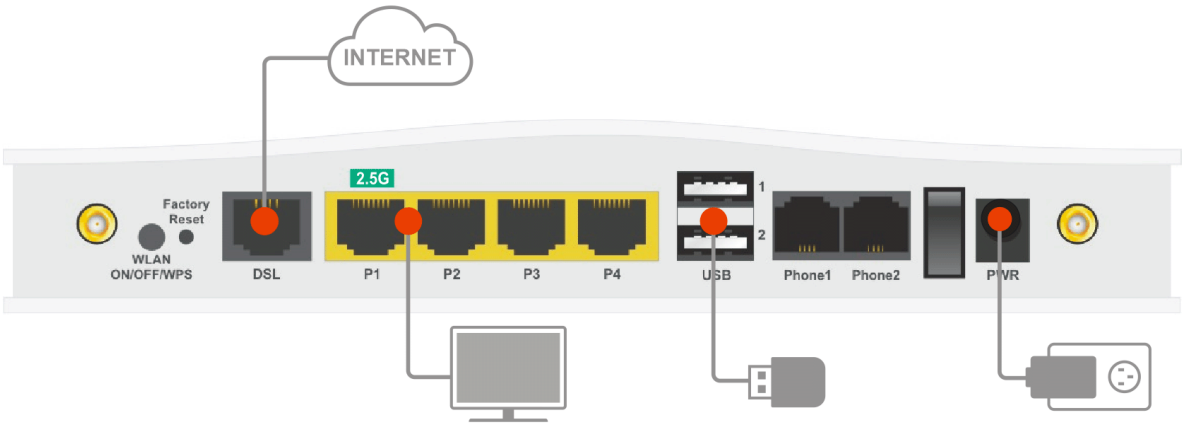
3. Hardware Installation

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

Before starting to configure the router, you have to connect your devices correctly. Here we take Vigor2767ax as an example.

3.1 Network Connection

1. Connect the DSL interface to the land line jack with a DSL line cable.
2. Connect one port of 4-port switch to your computer with a RJ-45 cable. This device allows you to connect 4 PCs directly.
3. Connect detachable antennas to the router.
4. Connect one end of the power cord to the power port of this device. Connect the other end to the wall outlet of electricity.
5. Power on the router.
6. Check the ACT and DSL, LAN LEDs to assure network connection.

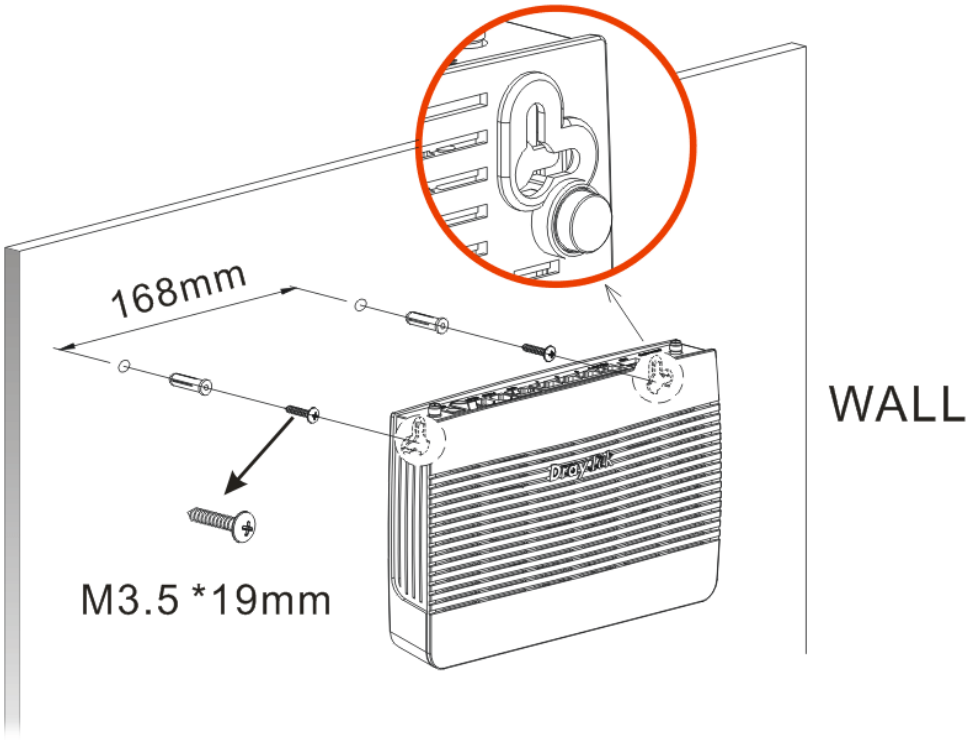


(For the detailed information of LED status, please refer to section 2.1.)

3.2 Wall-Mounted Installation

Vigor router has keyhole type mounting slots on the underside.

1. Drill two holes on 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”).

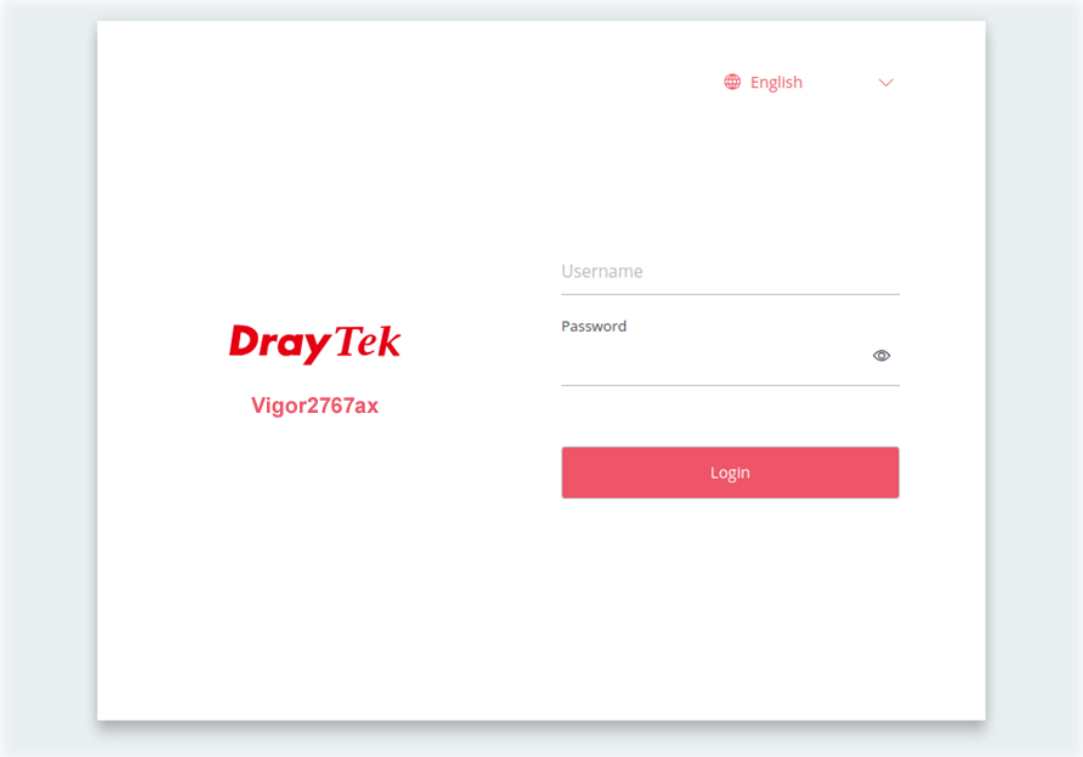
4. When you finished about procedure, the router has been mounted on the wall firmly.

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

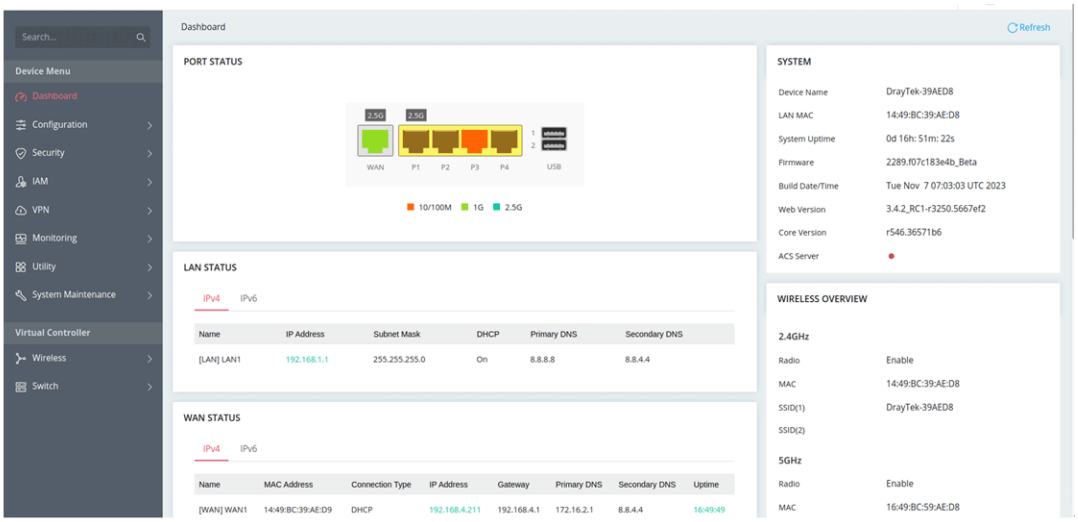
1. Make sure your PC connects to the router correctly.

2. Open a web browser on your PC and type **http://192.168.1.1.** A pop-up window will open to ask for username and password. Please type “admin/admin” as the Username/Password and click **Login**.



Note	You may either simply set up your computer to get 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 Vigor router 192.168.1.1.**

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



Note	The home page will change slightly in accordance with the router you have.

5. 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 e-mail 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 web site for more information on newest firmware, tools and documents.

https://www.draytek.com