DrayTek

Vigor2860 Series

VDSL2 Security Firewall

Quick Start Guide

V4.0

Vigor2860 Series
VDSL2 Security Firewall
Quick Start Guide

Version: 4.01

Firmware Version: V3.8.2

(For future update, please visit DrayTek web site)

Date: November 20, 2015

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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 +5 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. ● 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.

European Community Declarations

Manufacturer:　DrayTek Corp.
Address:　　　No. 26, Fu Shing Road, HuKou Township, HsinChu Industrial Park, Hsin-Chu County, Taiwan 303
Product:　　　Vigor2860 Series

DrayTek Corp. declares that Vigor2860 Series of routers are in compliance with the following essential requirements and other relevant provisions of R&TTE 1999/5/EC, ErP 2009/125/EC and RoHS 2011/65/EU.

The product conforms to the requirements of Electro-Magnetic Compatibility (EMC) Directive 2004/108/EC by complying with the requirements set forth in EN55022/Class B and EN55024/Class B.

The product conforms to the requirements of Low Voltage (LVD) Directive 2006/95/EC by complying with the requirements set forth in EN60950-1.

This product is designed for LTE, DSL and 2.4GHz /5GHz WLAN network throughout the EC region.

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.

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

DrayTek Vigor2860 series VDSL2/ADSL2+ routers are compliant with 47 C.F.R. Part 68.

More update, please visit www.draytek.com.

Be a Registered Owner

Web registration is preferred. You can register your Vigor router via http://www.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. http://www.draytek.com

LTE network interface module

Available bands for the LTE network interface module #1 supported by Vigor2860 are listed in the following table:

LTE bands	LTE bands: 3, 7, 8 and 20
	800MHz (band 20), 900MHz (band 8), 1800MHz (band 3) and 2600 MHz (band7)

Module #1 can be seen on product label.

Table of Contents

1. Introduction

Vigor2860 series is a VDSL2 router with multi-subnet for secure and efficient workgroup management. It integrates IP layer QoS, NAT session/bandwidth management to help users control works well with large bandwidth.

By adopting hardware-based VPN platform and hardware encryption of AES/DES/3DES, and hardware key hash of SHA-1/MD5, the router increases the performance of VPN greatly and offers several protocols (such as IPSec/PPTP/L2TP) with up to 32 VPN tunnels.

The object-based design used in SPI (Stateful Packet Inspection) firewall allows users to set firewall policy with ease. CSM (Content Security Management) provides users control and management in IM (Instant Messenger) and P2P (Peer to Peer) more efficiency than before. In addition, DoS/DDoS prevention and URL/Web content filter strengthen the security outside and control inside.

Vigor2860 series supports USB interface for connecting USB printer to share printing function, 3G/4G USB modem for network connection, or connectivity for network FTP service
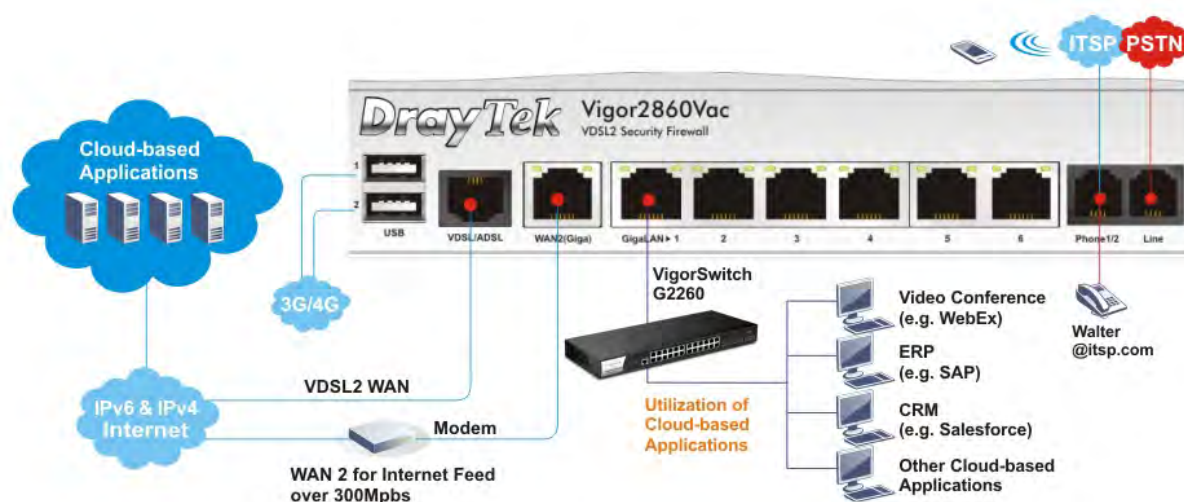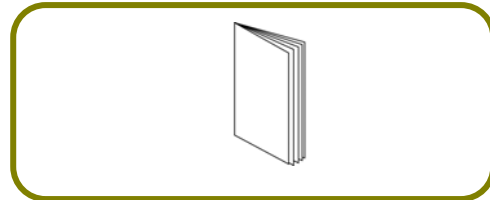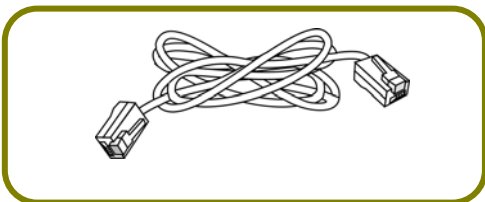
2. Package Content

Take a look at the package content. If there is anything missed or damaged, please contact DrayTek or dealer immediately.
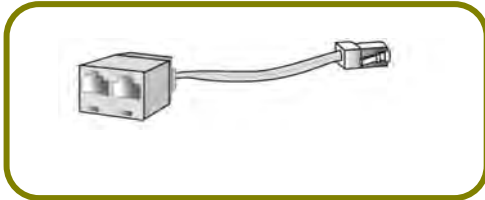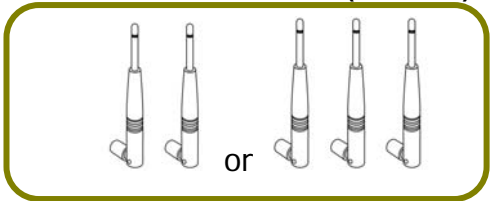
Phone Adapter (V models)

Quick Start Guide

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

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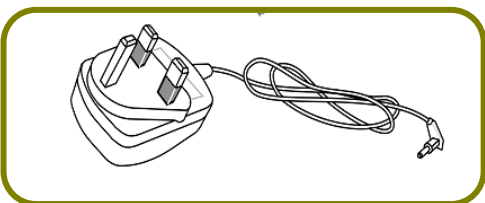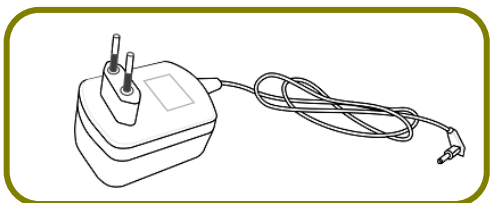RJ-11 to RJ-11 Cable (Annex A)**

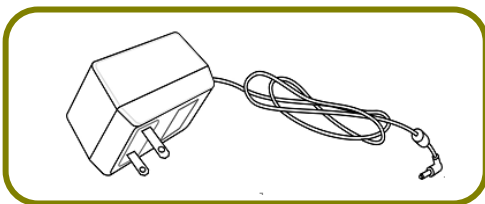**Antenna + Socket (L models)**

or

Antenna (n or ac models)

The type of the power adapter depends on the country that the router will be installed. * The maximum power consumption is *24 Watt*.
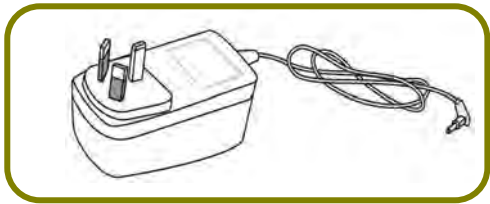
UK-type Power Adapter

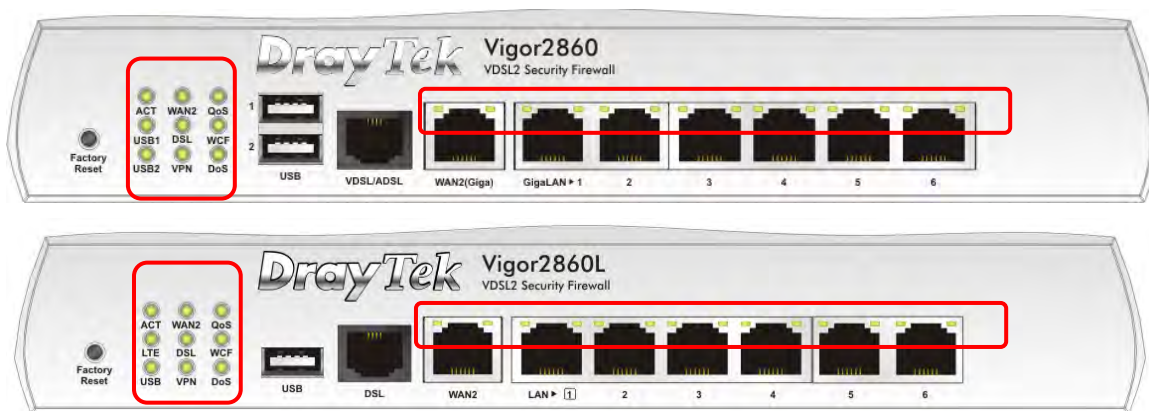**EU-type Power Adapter**

USA/Taiwan-type Power Adapter

AU/NZ-type Power Adapter

3. Panel Explanation

3.1 Vigor2860 / Vigor2860L

LED	Status	Explanation
ACT (Activity)	Blinking	The router is powered on and running normally.
	Off	The router is powered off.
WAN2	On	Internet connection is ready.
	Off	Internet connection is not ready.
	Blinking	The data is transmitting.
QoS	On	The QoS function is active.
USB1~2 / USB	On	USB device is connected and ready for use.
	Blinking	The data is transmitting.
LTE	On	LTE device is connected and ready for use.
	Off	LTE device is not detected, or has serious problem (e.g., no SIM card, SIM pin error, SIM deactivated, and etc.).
	Blinking	Slowly: LTE device is in dialing up. Quickly: The data is transmitting.
DSL	On	The router is ready to access Internet through DSL link.
	Blinking	Slowly: The DSL connection is ready. Quickly: The connection is training.
WCF	On	The Web Content Filter is active. (It is enabled from **Firewall** >> **General Setup**).
VPN	On	The VPN tunnel is active.
	Off	VPN services are disabled
	Blinking	Traffic is passing through VPN tunnel.
DoS	On	The DoS function is active.
	Blinking	It will blink while detecting an attack.
LED on Connector		
WAN2 — Left LED	On	The port is connected.
	Off	The port is disconnected.

(Giga)		Blinking	The data is transmitting.
	Right LED	On	The port is connected with 1000Mbps.
		Off	The port is connected with 10/100Mbps
GigaLAN 1~6	Left LED	On	The port is connected.
		Off	The port is disconnected.
		Blinking	The data is transmitting.
	Right LED	On	The port is connected with 1000Mbps.
		Off	The port is connected with 10/100Mbps
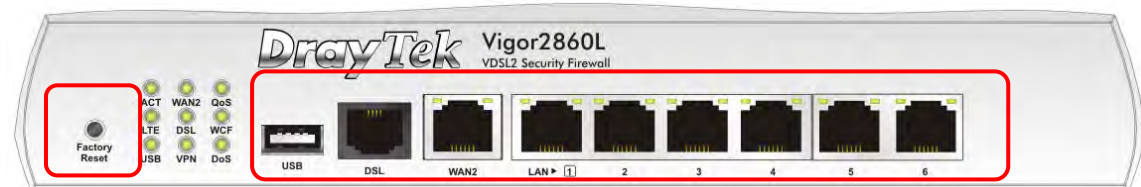
   Switch on Rear Side   (Available for Vigor2860L)

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 begins to blink rapidly than usual, release the button. Then the router will restart with the factory default configuration.
USB1~2 / USB	Connecter for a USB device (for 3G/4G USB Modem or printer or thermometer.
VDSL/ADSL	Connecter for accessing the Internet.
WAN2	Connecter for local network devices or modem for accessing Internet.
GigaLAN (1-6)	Connecters for local network devices.
PWR	Connecter for a power adapter.
ON/OFF	Power Switch.
SIM Card Slot	Connector for a SIM card.

Notifications for Antenna Installation (for Vigor2860L)

Magnetic antenna must be installed on the antenna socket before connecting to Vigor router. There are two mounting holes for installing antennas. If only one antenna shall be installed, please use the mounting hole (major signal transmitted hole) near to the SIM card slot.

SIM Card Slot

Antenna Socket
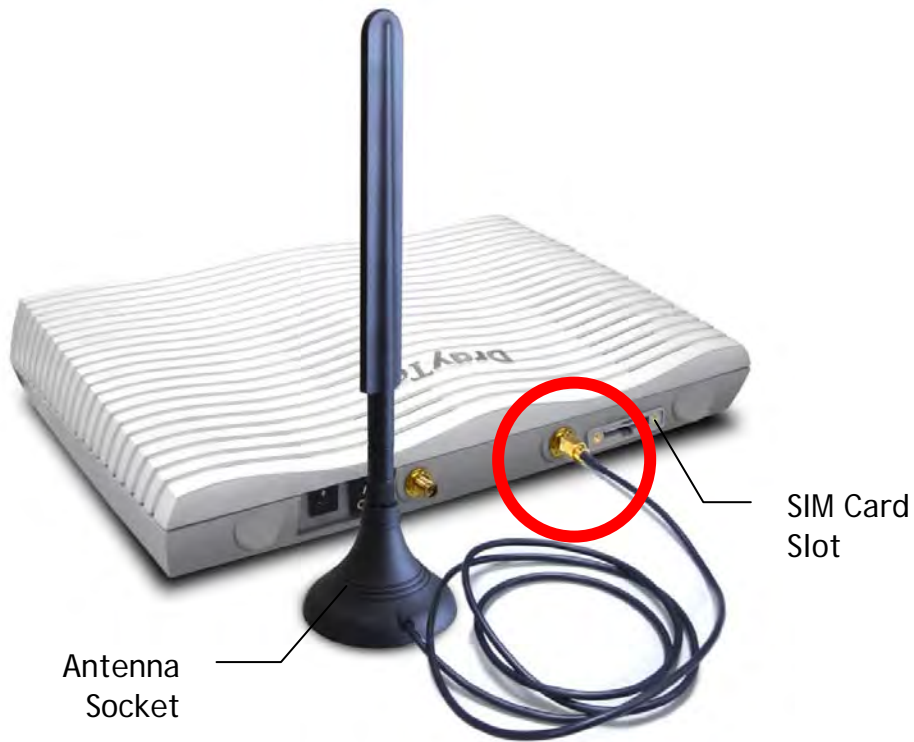
While installing the SIM card into the card slot, note that back plate of the SIM card slot must be removed first and the direction of card notch must be on the left side.
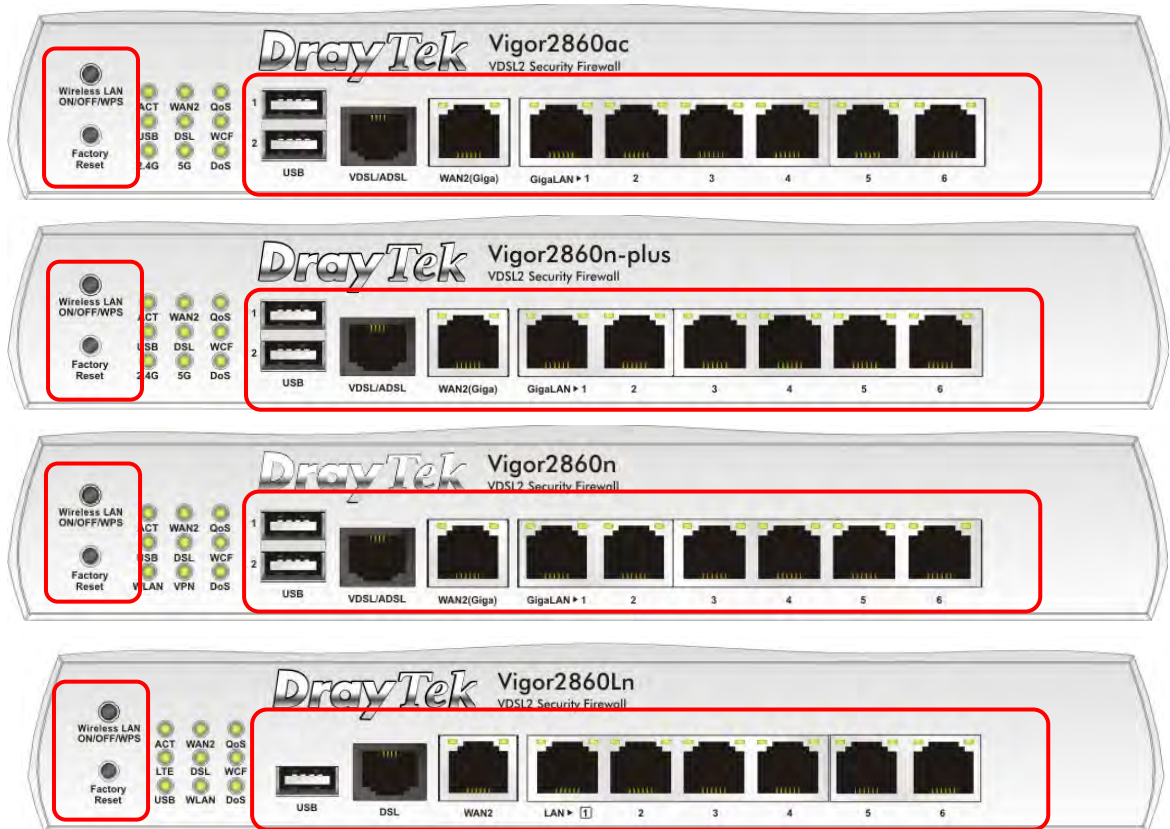
3.2 Vigor2860ac/Vigor2860n-plus/Vigor2860n/Vigor2860Ln

LED	Status	Explanation
ACT (Activity)	Blinking	The router is powered on and running normally.
	Off	The router is powered off.
WAN2	On	Internet connection is ready.
	Off	Internet connection is not ready.
	Blinking	The data is transmitting.
QoS	On	The QoS function is active.
USB	On	USB device is connected and ready for use.
	Blinking	The data is transmitting.
LTE	On	LTE device is connected and ready for use.
	Off	LTE device is not detected, or has serious problem (e.g., no SIM card, SIM pin error, SIM deactivated, and etc.).
	Blinking	Slowly: LTE device is in dialing up. Quickly: The data is transmitting.
DSL	On	The router is ready to access Internet through DSL link.
	Blinking	Slowly: The DSL connection is ready. Quickly: The connection is training.
WCF	On	The Web Content Filter is active. (It is enabled from **Firewall >> General Setup**).

2.4G/5G/WLAN	On	2.4G/5G: Wireless access point with bandwidth of 2.4GHz/5GHz is ready. WLAN: Wireless access point is ready.
	Blinking	It will blink slowly while wireless traffic goes through. ACT and WLAN LEDs blink quickly and simultaneously when WPS is working, and will return to normal condition after two minutes. (You need to setup WPS within 2 minutes.)
VPN	On	The VPN tunnel is active.
	Off	VPN services are disabled.
	Blinking	Traffic is passing through VPN tunnel.
DoS	On	The DoS function is active.
	Blinking	It will blink while detecting an attack.

LED on Connector

WAN2 (Giga)	Left LED	On	The port is connected.
		Off	The port is disconnected.
		Blinking	The data is transmitting.
	Right LED	On	The port is connected with 1000Mbps.
		Off	The port is connected with 10/100Mbps
GigaLAN 1~6	Left LED	On	The port is connected.
		Off	The port is disconnected.
		Blinking	The data is transmitting.
	Right LED	On	The port is connected with 1000Mbps.
		Off	The port is connected with 10/100Mbps

Switch on Rear Side   (Available for Vigor2860Ln)

Interface	Description
Wireless LAN ON/OFF/WPS	For Vigor2860n : ● Press the button and release it within 2 seconds. When the wireless function is ready, the green LED will be on. ● 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. For Vigor2860ac/Vigor2860n-plus/Vigor2860Ln : Wireless band will be switched /changed according to the button pressed and released. For example, ● 2.4G (On) and 5G (On) – in default. ● 2.4G (Off) and 5G (On) – pressed and released the button once. ● 2.4G (On) and 5G (Off) – pressed and released the button twice. ● 2.4G (Off) and 5G (Off) – pressed and released the button three times. 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.
USB1~2 / USB	Connecter for a USB device (for 3G/4G USB Modem or printer or thermometer.
VDSL/ADSL	Connecter for accessing the Internet.
WAN2 (Giga)	Connecter for local network devices or modem for accessing Internet.
GigaLAN (1-6)	Connecters for local network devices.
PWR	Connecter for a power adapter.
ON/OFF	Power Switch.
SIM Card Slot	Connector for a SIM card.

Notifications for Antenna Installation (for Vigor2860Ln)

Magnetic antenna must be installed on the antenna socket before connecting to Vigor router. There are two mounting holes for installing antennas. If only one antenna shall be installed, please use the mounting hole (major signal transmitted hole) near to the SIM card slot.


SIM Card
Slot

Antenna
Socket

While installing the SIM card into the card slot, note that back plate of the SIM card slot must be removed first and the direction of card notch must be on the left side.
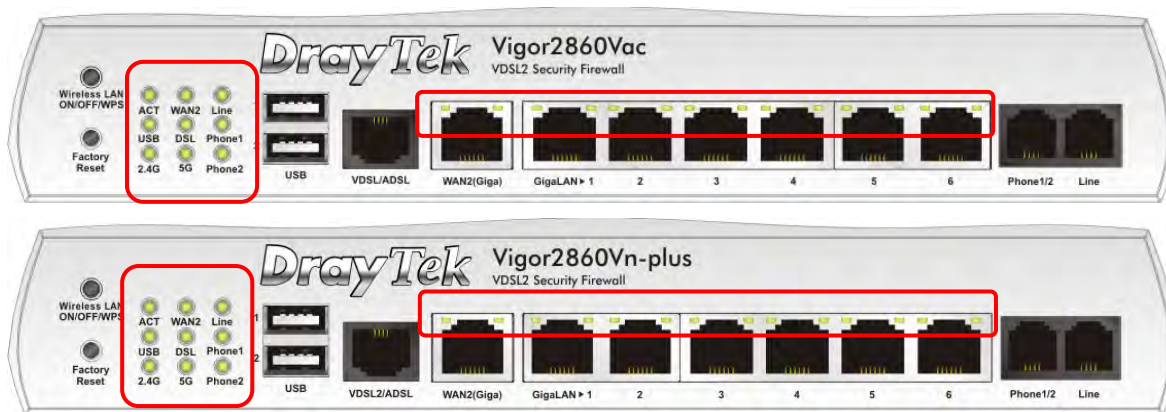
There are two types of antennas provided for Vigor2860Ln, which must be installed in different locations carefully and correctly. Wrong installation might cause bad signal of wireless connection. Therefore, pay attention to the installation of antennas by referring to the following illustration.

Holes for Antennas with Socket

Holes for Antennas without Socket
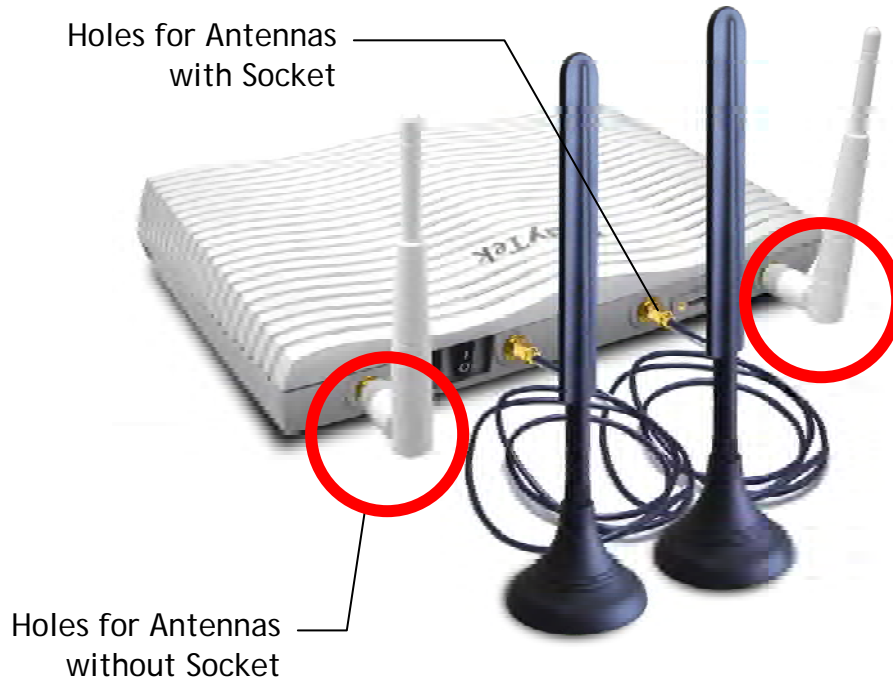
3.3 Vigor2860Vac / Vigor2860Vn-plus

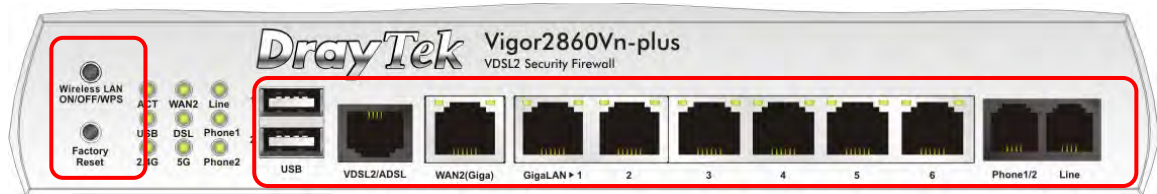| LED	Status	Explanation
ACT (Activity)	Blinking	The router is powered on and running normally.
	Off	The router is powered off.
WAN2	On	Internet connection is ready.
	Off	Internet connection is not ready.
	Blinking	The data is transmitting.
Line	On	A PSTN phone call comes (in and out). However, when the phone call is disconnected, the LED will be off.
	Off	There is no PSTN phone call.
USB	On	USB device is connected and ready for use.
	Blinking	The data is transmitting.
DSL	On	The router is ready to access Internet through DSL link.
	Blinking	Slowly: The DSL connection is ready. Quickly: The connection is training.
Phone1/Phone2	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.
2.4G/5G	On	Wireless access point with bandwidth of 2.4GHz/5GHz is ready.
	Blinking	It will blink slowly while wireless traffic goes through. ACT and WLAN LEDs blink quickly and simultaneously when WPS is working, and will return to normal condition after two minutes. (You need to setup WPS within 2 minutes.)

LED on Connector

WAN2 (Giga)	Left LED	On	The port is connected.
		Off	The port is disconnected.
		Blinking	The data is transmitting.
	Right	On	The port is connected with 1000Mbps.

	LED	Off	The port is connected with 10/100Mbps
GigaLAN 1~6	Left LED	On	The port is connected.
		Off	The port is disconnected.
		Blinking	The data is transmitting.
	Right LED	On	The port is connected with 1000Mbps.
		Off	The port is connected with 10/100Mbps

| Interface	Description
Wireless LAN ON/OFF/WPS	Wireless band will be switched /changed according to the button pressed and released. For example, ● 2.4G (On) and 5G (On) – in default. ● 2.4G (Off) and 5G (On) – pressed and released the button once. ● 2.4G (On) and 5G (Off) – pressed and released the button twice. ● 2.4G (Off) and 5G (Off) – pressed and released the button three times. 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.
USB	Connecter for a USB device (for 3G/4G USB Modem or printer).
VDSL/ADSL	Connecter for accessing the Internet.
WAN2 (Giga)	Connecter for local network devices or modem for accessing Internet.
GigaLAN (1-6)	Connecters for local network devices.
Phone 1/2	Connecter for analog phone(s).

Line	Connector for PSTN life line.
PWR	Connecter for a power adapter.
ON/OFF	Power Switch.

4. 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. (For the hardware connection, we take *"n"* model as an example.)
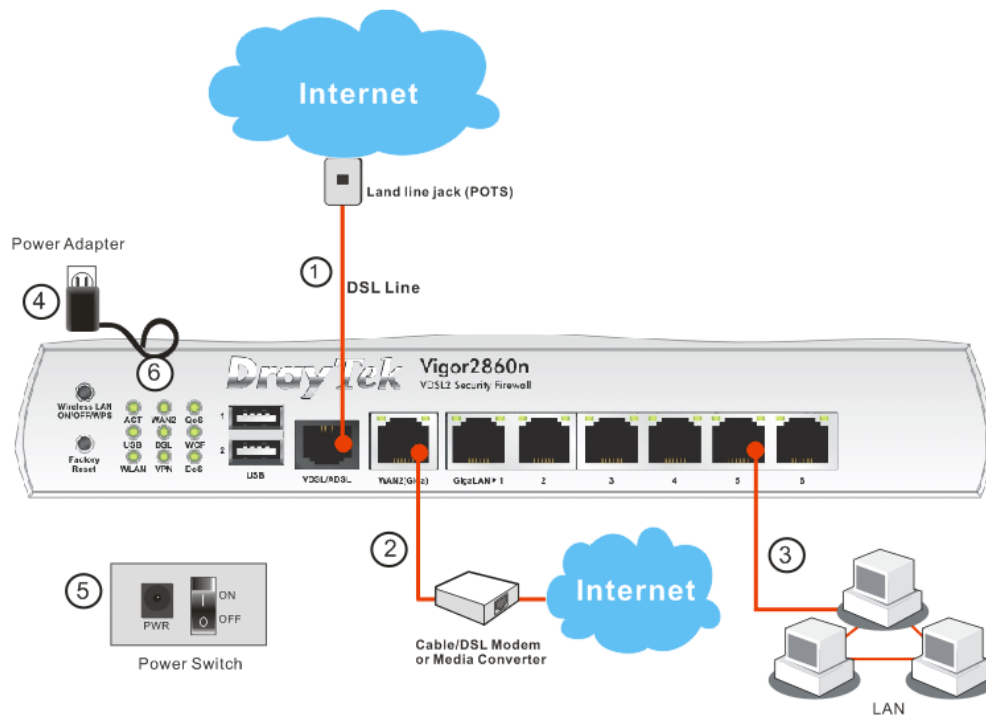
1. Connect the DSL interface to the land line jack with a DSL line cable.

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

3. 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) into the Ethernet port on your computer.

4. Connect one end of the power adapter to the router's power port on the rear panel, and the other side into a wall outlet.

5. Power on the device by pressing down the power switch on the rear panel.

6. The system starts to initiate. After completing the system test, the **ACT** LED will light up and start blinking.(For the detailed information of LED status, please refer to section 3. Panel Explanation)

5. Software Configuration

To access Internet, please finish basic configuration after completing the hardware installation.

5.1 Quick Start Wizard for Network Connection

The **Quick Start Wizard** is designed for you to easily set up your router for Internet access. You can directly access the **Quick Start Wizard** via Web Configurator. Make sure your PC connects to the router correctly.

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**. For the detailed information, please refer to - Trouble Shooting of the user's guide.

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	If you fail to access to the web configuration, please go to "Trouble Shooting" on User's Guide for detecting and solving your problem.

Now, the Main Screen will pop up. Click **Wizards>>Quick Start Wizard**.

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

If your router can be under an environment with high speed NAT, the configuration provide here can help you to deploy and use the router quickly. The first screen of **Quick Start Wizard** is entering login password. After typing the password, please click **Next**.

On the next page as shown below, please select the WAN interface that you use. If DSL interface is used, please choose WAN1; if Ethernet interface is used,

please choose WAN2; if 3G USB modem is used, please choose WAN3 or WAN4. Then click **Next** for next step.

Quick Start Wizard

WAN Interface

WAN Interface:	WAN1
Display Name:	
Physical Mode:	ADSL / VDSL2
Physical Type:	Auto negotiation

< Back   Next >   Finish   Cancel

WAN1, WAN2, WAN3 and WAN4 will bring up different configuration page. Refer to the following for detailed information.

5.1.1 For WAN1 (ADSL/VDSL2)

WAN1 is specified for ADSL or VDSL connection.

Quick Start Wizard

WAN Interface

WAN Interface:	WAN1
Display Name:	
Physical Mode:	ADSL / VDSL2
Physical Type:	Auto negotiation

< Back   Next >   Finish   Cancel

Click **Next** to go to the following page. You have to select the appropriate Internet access type **according to the information from your ISP**. For example, you should select PPPoE mode if the ISP provides you PPPoE interface. In addition, the field of **For ADSL Only** will be available only when ADSL is detected. Then click **Next** for next step.

Connect to Internet

WAN 1

Protocol	MPoA / Static or Dynamic IP

For ADSL Only:

Encapsulation	1483 Bridged IP LLC
VPI	0 Auto detect
VCI	88

Fixed IP	⦿ Yes ○ No(Dynamic IP)
IP Address	192.16.20.86
Subnet Mask	255.255.255.0
Default Gateway	192.16.20.1
Primary DNS	8.8.4.4
Second DNS	168.95.192.1

[< Back]   [Next >]   [Finish]   [Cancel]

PPPoE/PPPoA

1. Choose **WAN1** as WAN Interface and click the **Next** button; you will get the following page.

Connect to Internet

WAN 1

Protocol	PPPoE / PPPoA

For ADSL Only:

Encapsulation	PPPoE LLC/SNAP
VPI	0 Auto detect
VCI	88

Fixed IP	⦿ Yes ○ No(Dynamic IP)
IP Address	192.16.20.86
Subnet Mask	255.255.255.0
Default Gateway	192.16.20.1
Primary DNS	8.8.4.4
Second DNS	168.95.192.1

[< Back]   [Next >]   [Finish]   [Cancel]

2. After finished the above settings, simply click **Next**.

Quick Start Wizard

Set PPPoE / PPPoA

WAN 1

User Name	77494727@hinet.net
Password	········
Confirm Password	········

[< Back] [Next >] [Finish] [Cancel]

3. Please manually enter the Username/Password provided by your ISP. Then click **Next** for viewing summary of such connection.

Quick Start Wizard

Please confirm your settings:

WAN Interface:	WAN1
Physical Mode:	ADSL / VDSL2
VPI:	0
VCI:	33
Protocol / Encapsulation:	PPPoE / LLC
Fixed IP:	No
Primary DNS:	8.8.8.8
Secondary DNS:	8.8.4.4

[< Back] [Next >] [Finish] [Cancel]

4. Click **Finish**. A page of **Quick Start Wizard Setup OK!!!** will appear. Then, the system status of this protocol will be shown.

5. Now, you can enjoy surfing on the Internet.

MPoA / Static or Dynamic IP

1. Choose **WAN1** as WAN Interface and click the **Next** button; you will get the following page.

2. Please type in the IP address/mask/gateway information originally provided by your ISP. Then click **Next** for viewing summary of such connection.

3. Click **Finish**. A page of **Quick Start Wizard Setup OK!!!** will appear. Then, the system status of this protocol will be shown.

4. Now, you can enjoy surfing on the Internet.

5.1.2 For WAN2 (Ethernet)

WAN2 is dedicated to physical mode in Ethernet. If you choose WAN2, please specify physical type. Then, click **Next**.

Quick Start Wizard

WAN Interface

WAN Interface:	WAN2
Display Name:	
Physical Mode:	Ethernet
Physical Type:	Auto negotiation

< Back   Next >   Finish   Cancel

On the next page as shown below, please select the appropriate Internet access type according to the information from your ISP. For example, you should select PPPoE mode if the ISP provides you PPPoE interface. Then click **Next** for next step.

PPPoE

1. Choose **WAN2** as the WAN Interface and click the **Next** button. The following page will be open for you to specify Internet Access Type.

Quick Start Wizard

Connect to Internet

WAN 2
Select one of the following Internet Access types provided by your ISP.

- ⊙ PPPoE
- ○ PPTP
- ○ L2TP
- ○ Static IP
- ○ DHCP

< Back   Next >   Finish   Cancel

2. Click **PPPoE** as the Internet Access Type. Then click **Next** to continue.

3. Please manually enter the Username/Password provided by your ISP. Click **Next** for viewing summary of such connection.

4. Click **Finish**. A page of **Quick Start Wizard Setup OK!!!** will appear. Then, the system status of this protocol will be shown.

5. Now, you can enjoy surfing on the Internet.

PPTP/L2TP

1. Choose **WAN2** as the WAN Interface and click the **Next** button. The following page will be open for you to specify Internet Access Type.

Quick Start Wizard

Connect to Internet

WAN 2
Select one of the following Internet Access types provided by your ISP.

- ○ PPPoE
- ○ PPTP
- ◉ L2TP
- ○ Static IP
- ○ DHCP

[< Back] [Next >] [Finish] [Cancel]

2. Click **PPTP/L2TP** as the Internet Access Type. Then click **Next** to continue.

Quick Start Wizard

PPTP Client Mode

WAN 2
Enter the user name, password, WAN IP configuration and PPTP server IP provided by your ISP.

User Name	77494727@hinet.net
Password	••••••••
Confirm Password	••••••••

WAN IP Configuration
- ○ Obtain an IP address automatically
- ◉ Specify an IP address

IP Address	192.16.20.86
Subnet Mask	255.255.255.0
Gateway	192.16.20.1
Primary DNS	8.8.8.8
Second DNS	8.8.4.4
PPTP Server	

[< Back] [Next >] [Finish] [Cancel]

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3. Please type in the IP address/mask/gateway information originally provided by your ISP. Then click **Next** for viewing summary of such connection.

Quick Start Wizard

Please confirm your settings:

WAN Interface:	WAN2
Physical Mode:	Ethernet
Physical Type:	Auto negotiation
Internet Access:	PPTP

Click **Back** to modify changes if necessary. Otherwise, click **Finish** to save the current settings and restart the Vigor router.

[< Back] [Next >] [Finish] [Cancel]

4. Click **Finish**. A page of **Quick Start Wizard Setup OK!!!** will appear. Then, the system status of this protocol will be shown.

5. Now, you can enjoy surfing on the Internet.

Static IP

1. Choose **WAN2** as the WAN Interface and click the **Next** button. The following page will be open for you to specify Internet Access Type.

2. Click **Static IP** as the Internet Access type. Simply click **Next** to continue.

3. Please type in the IP address information originally provided by your ISP. Then click **Next** for next step.

Quick Start Wizard

Please confirm your settings:

WAN Interface:	WAN2
Physical Mode:	Ethernet
Physical Type:	Auto negotiation
Internet Access:	Static IP

Click **Back** to modify changes if necessary. Otherwise, click **Finish** to save the current settings and restart the Vigor router.

[< Back] [Next >] [Finish] [Cancel]

4. Click **Finish**. A page of **Quick Start Wizard Setup OK!!!** will appear. Then, the system status of this protocol will be shown.

5. Now, you can enjoy surfing on the Internet.

DHCP

1. Choose **WAN2** as WAN Interface and click the **Next** button. The following page will be open for you to specify Internet Access Type.

    Quick Start Wizard

    Connect to Internet
    > **WAN 2**
    > Select one of the following Internet Access types provided by your ISP.
    > ○ PPPoE
    > ○ PPTP
    > ○ L2TP
    > ○ Static IP
    > ◉ DHCP

    [< Back] [Next >] [Finish] [Cancel]

2. Click **DHCP** as the Internet Access type. Simply click **Next** to continue.

    Quick Start Wizard

    DHCP Client Mode
    > **WAN 2**
    > If your ISP requires you to enter a specific host name or specific MAC address, please enter it in.
    >
    > Host Name   [   ] (optional)
    > MAC   [00]-[1D]-[AA]-[A6]-[26]-[1A] (optional)

    [< Back] [Next >] [Finish] [Cancel]

3. After finished the settings above, click **Next** for viewing summary of such connection.

Quick Start Wizard

Please confirm your settings:

WAN Interface:	WAN2
Physical Mode:	Ethernet
Physical Type:	Auto negotiation
Internet Access:	DHCP

Click **Back** to modify changes if necessary. Otherwise, click **Finish** to save the current settings and restart the Vigor router.

[< Back] [Next >] [Finish] [Cancel]

4. Click **Finish**. A page of **Quick Start Wizard Setup OK!!!** will appear. Then, the system status of this protocol will be shown.

5. Now, you can enjoy surfing on the Internet.

5.1.3 For WAN3/WAN4 (USB)

1. Choose **WAN3/WAN4** as WAN Interface.

2. Then, click **Next** for getting the following page.

3. After finished the settings above, click **Next** for viewing summary of such connection.

Quick Start Wizard

Please confirm your settings:

WAN Interface:	WAN3
Physical Mode:	USB
Internet Access:	PPP

Click **Back** to modify changes if necessary. Otherwise, click **Finish** to save the current settings and restart the Vigor router.

[< Back] [Next >] [Finish] [Cancel]

4. Click **Finish.** A page of **Quick Start Wizard Setup OK!!!** will appear. Then, the system status of this protocol will be shown.

5. Now, you can enjoy surfing on the Internet.

5.1.4 For LTE WAN

1. Choose **LTE** as WAN Interface.

Quick Start Wizard

WAN Interface

WAN Interface: LTE ▼
Display Name: [   ]
Physical Mode: USB

[< Back]   [Next >]   [Finish]   [Cancel]

2. Then, click **Next** for getting the following page.

Quick Start Wizard

Connect to Internet

LTE
Internet Access :   3G/4G USB Modem(DHCP mode) ▼
                         3G/4G USB Modem(DHCP mode)

3G/4G USB Modem(DHCP mode)
SIM PIN code   [••••]
Network Mode   4G/3G/2G ▼ (Default:4G/3G/2G)
APN Name   [internet]

[< Back]   [Next >]   [Finish]   [Cancel]

3. Please type in required information originally provided by your ISP. Then, click **Next** for viewing summary of such connection.

Quick Start Wizard

Please confirm your settings:

WAN Interface:	LTE
Physical Mode:	USB
Internet Access:	DHCP

Click **Back** to modify changes if necessary. Otherwise, click **Finish** to save the current settings and restart the Vigor router.

< Back   Next >   Finish   Cancel

4. Click **Finish.** A page of **Quick Start Wizard Setup OK!!!** will appear. Then, the system status of this protocol will be shown.

5. Now, you can enjoy surfing on the Internet.

6. Customer Service

If the router cannot work correctly after trying many efforts, please contact your dealer for further help right away. For any questions, please feel free to send e-mail to support@draytek.com.