

DrayTek

**Vigor2865
35b Security
Firewall
Router**



DrayTek Vigor2865 35b Security Firewall Router User Guide

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DrayTek

DrayTek Vigor2865 35b Security Firewall Router



Specifications

- **Product name:** VDSL2 Security Firewall
- **Model number:** Vigor 2865
- **Manufacturer:** DrayTek Corp.
- **Address:** No. 26, Fushing Rd., Hukou, Hsinchu Industrial Park, Hsinchu 303, Taiwan

Product Information

- The Vigor 2865 is a VDSL2 Security Firewall manufactured by DrayTek Corp. It is designed to provide security features for wired connections.

Product Usage Instructions

Safety Instructions

- Before setting up the router, read the installation guide thoroughly as the router is a complex electronic unit that may require professional repair.

Declaration of Conformity

- The Vigor 2865 complies with various regulations related to electromagnetic compatibility and safety standards. For full details, refer to the UKCA Declaration of Conformity available on the DrayTek website.

FAQ

- **What should I do before setting up the Vigor 2865 router?**
 - Before setting up the router, make sure to read the installation guide thoroughly to ensure proper setup and operation.
- **Where can I find the latest firmware updates for the Vigor 2865?**
 - For future firmware updates, please visit the DrayTek website to download the latest firmware version for your device.

Important Information

Intellectual Property Rights (IPR) Information

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- Microsoft is a registered trademark of Microsoft Corp.

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- Apple and Mac OS are registered trademarks of Apple Inc.
- Other products may be trademarks or registered trademarks of their respective manufacturers.

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 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 +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 outdoors to prevent electronic shock hazards.
- Do not power off the router 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 TR069/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.

Warranty

- We warrant to the original end-user (purchaser) that the router will be free from any defects in workmanship or materials for 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 that 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 revisions or changes.

Declaration of Conformity

- Hereby, DrayTek Corporation declares that the equipment type Vigor2865 complies with The Electromagnetic Compatibility Regulations 2016 (SI 2016 No.1091), 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/Vigor2865/Document/CE/>
- **Product name:** VDSL2 Security Firewall
- **Model number:** Vigor2865
- **Manufacturer:** DrayTek Corp.
- Address: No.26, Fushing Rd., Hukou, Hsinchu Industrial Park, Hsinchu 303, Taiwan



UK PSTI STATEMENT OF COMPLIANCE

We, DrayTek Corp., office at No.26, Fushing Rd., Hukou, Hsinchu Industrial Park, Hsinchu 303, Taiwan, declare under our sole responsibility that the product

The full text of the PSTI Declaration of Conformity is available at the following internet address:
<https://fw.draytek.com.tw/UK/PSTI/>

- **Product name:** 35b Security Router with WLAN/5G-NR/LTE/VoIP
- **Model number:** Vigor2865LVax-5G, Vigor2865Lax-5G, Vigor2865LV-5G, Vigor2865L-5G, Vigor2865LVac, Vigor2865LVax, Vigor2865LV, Vigor2865Vac, Vigor2865Vax, Vigor2865Lac, Vigor2865Lax, Vigor2865ac, Vigor2865ax, Vigor2865V, Vigor2865L, Vigor2865
- **Manufacturer:** DrayTek Corp.
- **Address:** No.26, Fushing Rd., Hukou, Hsinchu Industrial Park, Hsinchu 303, Taiwan

is in conformity with the relevant UK Statutory Instruments: The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023 ("Security Requirements").

Standard	Version
The Product Security and Telecommunications Infrastructure Regulations	2023 Schedule 1
Support Period	5 years after the EOS notification

Please note that this statement of compliance, including the Defined Support Period stated herein, is only applicable to products sold in the UK.

This Statement of Compliance is retained by DrayTek for 10 years after date of issue.

Hsinchu
(place)

25th Mar., 2024
(date)


Alan Wen
Chief Executive Officer, CEO
(Legal Signature)

EU Declaration of Conformity

- Hereby, DrayTek Corporation declares that the equipment type Vigor2865 complies 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/Vigor2865/Document/CE/>

- **Product name:** VDSL2 Security Firewall
- **Model number:** Vigor2865
- **Manufacturer:** DrayTek Corp.
- **Address:** No.26, Fushing Rd., Hukou, Hsinchu Industrial Park, Hsinchu 303, Taiwan.

Regulatory Information

Federal Communication Commission Interference Statement

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

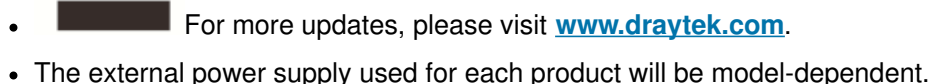
This equipment has been tested and found to comply with the limits for a Class B digital device, under Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used under 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 the receiver.
- Connect the equipment to 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.

USA Local Representative	Company name	ABP International Inc.		
	Address	13988 Diplomat Drive Suite 180 Dallas TX 75234		
	ZIP Code	75234	E-mail	henry@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.
- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- **Radiation Exposure Statement:** This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
- This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

[illegible]

E	input A C frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
	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	12.0 W	18.0 W	24.0 W	30.0 W	36.0 W	12.0 W	18.0 W	24.0 W	36.0 W	24.0 W	30.0 W	36.0 W
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	0.07 W	0.07 W	0.07 W	0.07 W	0.07 W	0.07 W	0.10 W	0.07 W	0.10 W	0.10 W	0.08 W	0.10 W

- External power supply (Power Adapter) information. For more updates, please visit www.draytek.com.

Package Content

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



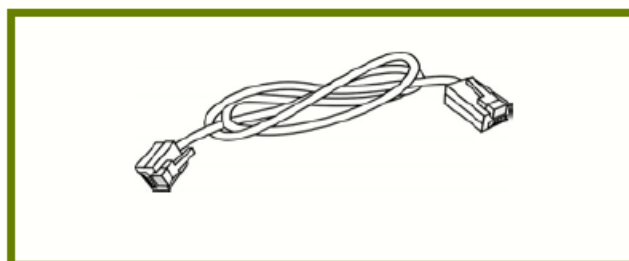
Vigor router



Quick Start Guide

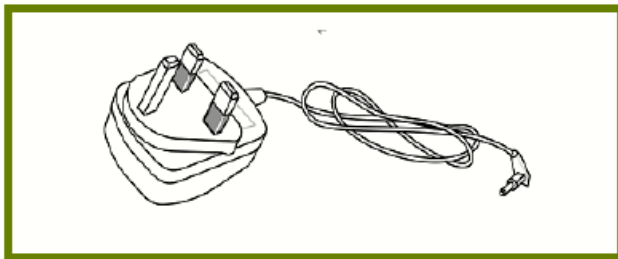


RJ-45 Cable (Ethernet)

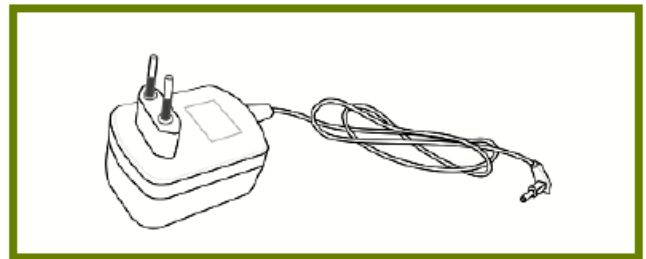


**RJ-11 to RJ-45 Cable (Annex B)
RJ-11 to RJ-11 Cable (Annex A)**

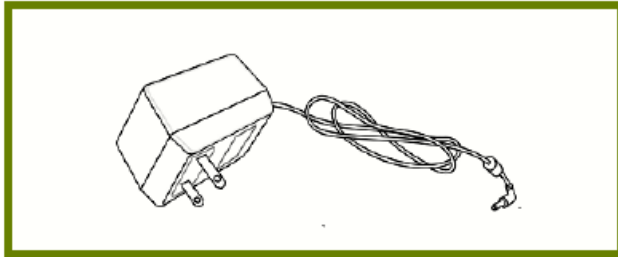
- The type of power adapter depends on the country in which the router will be installed.
- The maximum power consumption is 22 Watts.



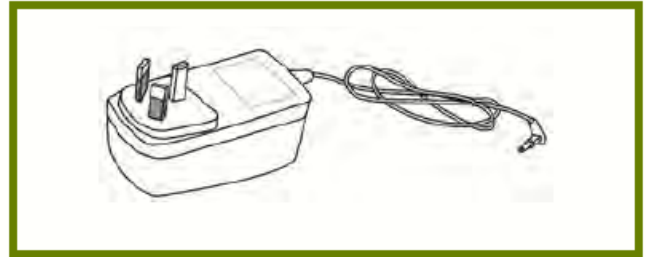
UK-type Power Adapter



EU-type Power Adapter



USA/Taiwan-type Power Adapter



AU/NZ-type Power Adapter

Panel Explanation

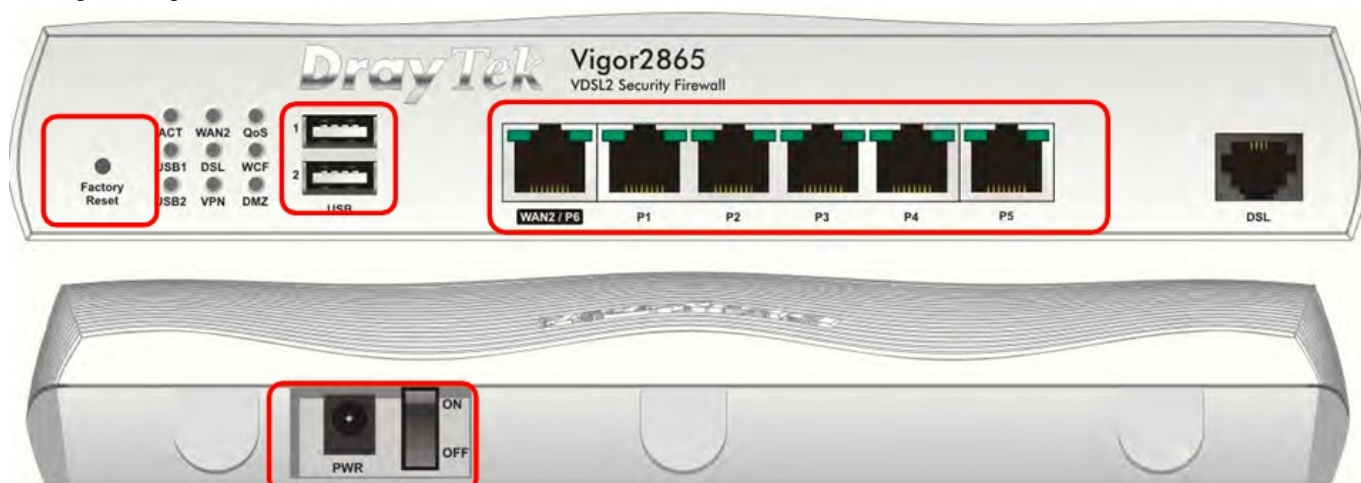


LED	Status	Explanation
ACT	Off	The router is powered off.
	Blinking	The router is powered on and running normally.
WAN2	On	The Internet connection is ready.
	Off	Internet connection is not ready.
	Blinking	The data is transmitted.
QoS	On	The QoS function is active.
	Off	The QoS function is inactive.
USB1~2	On	The USB device is connected and ready for use.
	Off	No USB device is connected.
	Blinking	The data is transmitted.
DSL	On	The router is ready to access the Internet through a 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).
	Off	WCF is disabled.
VPN	On	The VPN tunnel is active.
	Off	VPN services are disabled
	Blinking	Traffic is passing through a VPN tunnel.
DMZ	On	The DMZ function is enabled.
	Off	The DMZ function is disabled.
	Blinking	The data is transmitted.

LED on Connector

WAN2/ P6	Left LED	On	The port is connected.
		Off	The port is disconnected.
		Blinking	The data is transmitted.
	Right LED	On	The port is connected with 1000Mbps.
		Off	The port is connected with 10/100Mbps.
LAN P1~P5	Left LED	On	The port is connected.
		Off	The port is disconnected.
		Blinking	The data is transmitted.
	Right LED	On	The port is connected with 1000Mbps.
		Off	The port is connected with 10/100Mbps

The port “WAN2 / P6” is switchable. It can be used for LAN connection or WAN connection according to the settings configured in WUI.



Interface	Description
Factory Reset	Restore the default settings. Usage: Turn on the router (ACT LED is blinking). Press the hole and keep it for more than 5 seconds. When you see the ACT LED begins to blink more rapidly than usual, release the button. Then the router will restart with the factory default configuration.
USB1~2	Connector for a USB device (for 3G/4G USB Modem or printer or thermometer).
WAN2 / P6	Connector for local network devices or modem for accessing the Internet.
LAN P1-P5	Connectors for local network devices.
DSL	Connector for accessing the Internet.
PWR	Connector for a power adapter.
ON/OFF	Power Switch.

Hardware Installation

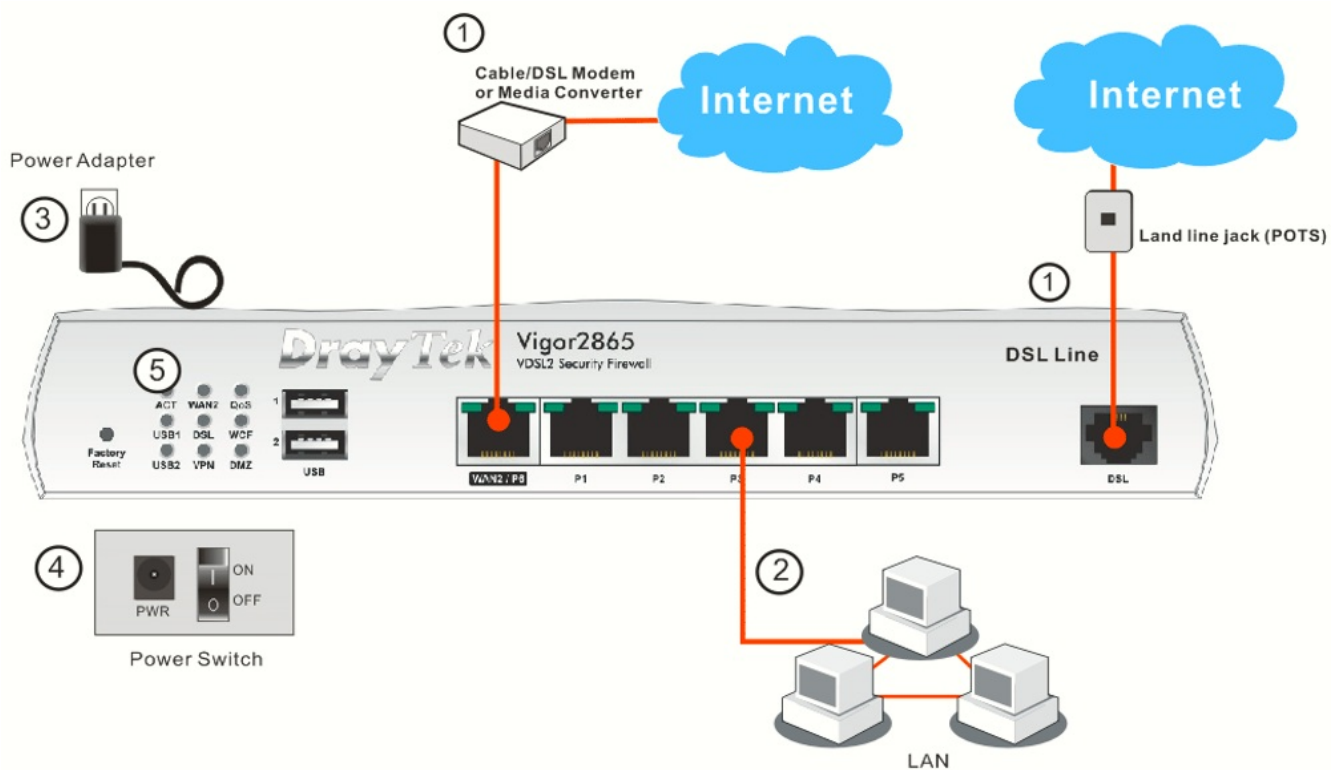
- This section will guide you to install the router through a hardware connection and configure the router's

settings through a web browser.

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

Network Connection

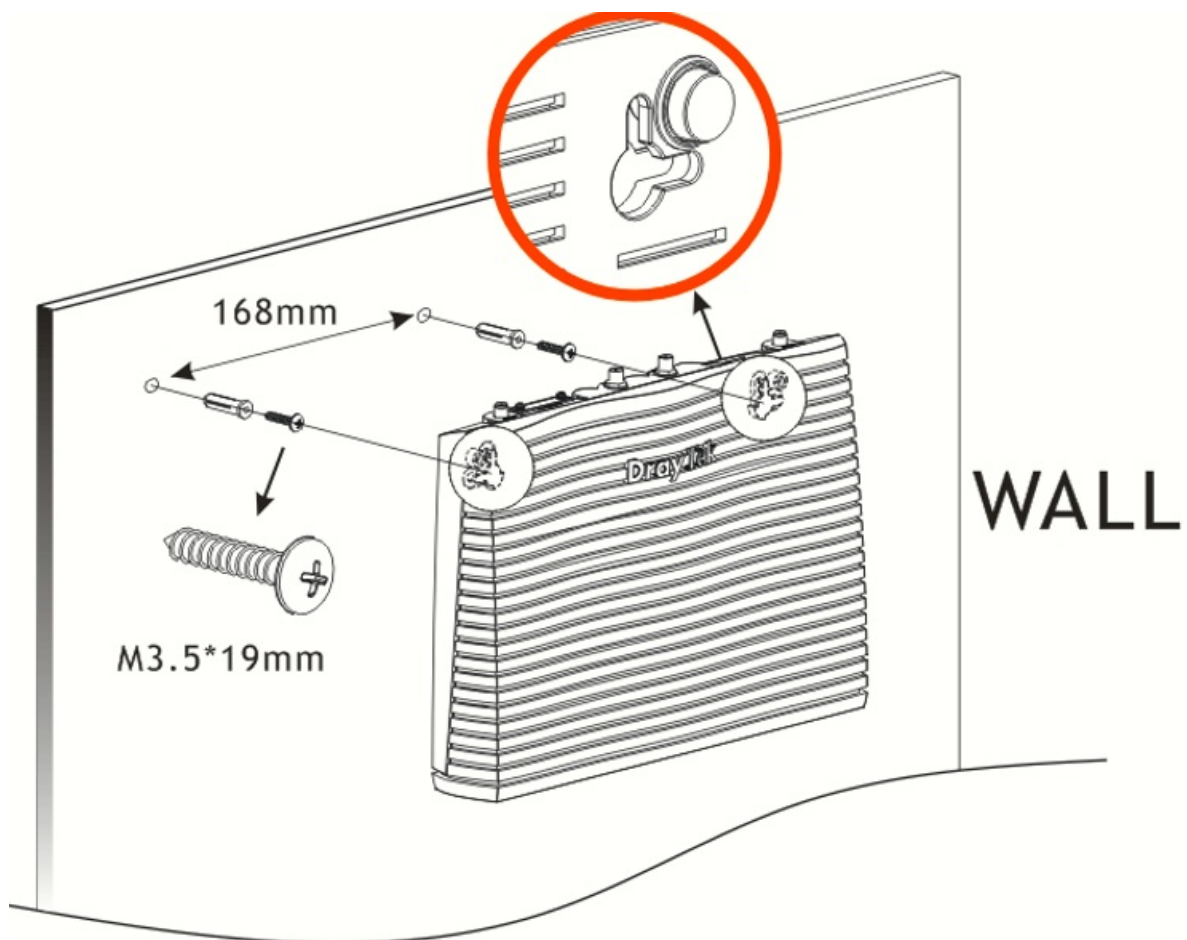
1. Connect the DSL interface to the landline jack with a DSL line cable, or Connect the cable Modem/DSL Modem/Media Converter to the WAN port of the router with an Ethernet cable (RJ-45).
2. Connect one end of an Ethernet cable (RJ-45) to one of the LAN ports of the router and the other end of the cable (RJ-45) to the Ethernet port on your computer.
3. Connect one end of the power adapter to the router's power port on the rear panel, and the other side into a wall outlet.
4. Power on the device by pressing down the power switch on the rear panel.
5. The system starts to initiate. After completing the system test, the ACT LED will light up and start blinking. (For detailed information on LED status, please refer to section 2. Panel Explanation)



Wall-Mounted Installation

Vigor router 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.



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

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

Software Configuration

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

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.
1. Open a web browser on your PC and type <http://192.168.1.1>. A pop-up window will open to ask for a username and password.



DrayTek **Vigor2865 Series**

Login

Username

Password

Language ▼

Login

Security Warning: You are logging in without encryption which is not recommended. To login securely [click here](#).

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2. Please enter “admin/admin” as the Username/Password and click Login.
3. Next, the following page will appear. You must change the login password before accessing the web user interface. Please set a password with the highest level of strength for network security.

For security reason, you must change the password before proceeding to the router webpage

New Password

Password	<input type="password" value="....."/>
Confirm Password	<input type="password" value="....."/>

Password Strength:

Weak

Medium

Strong

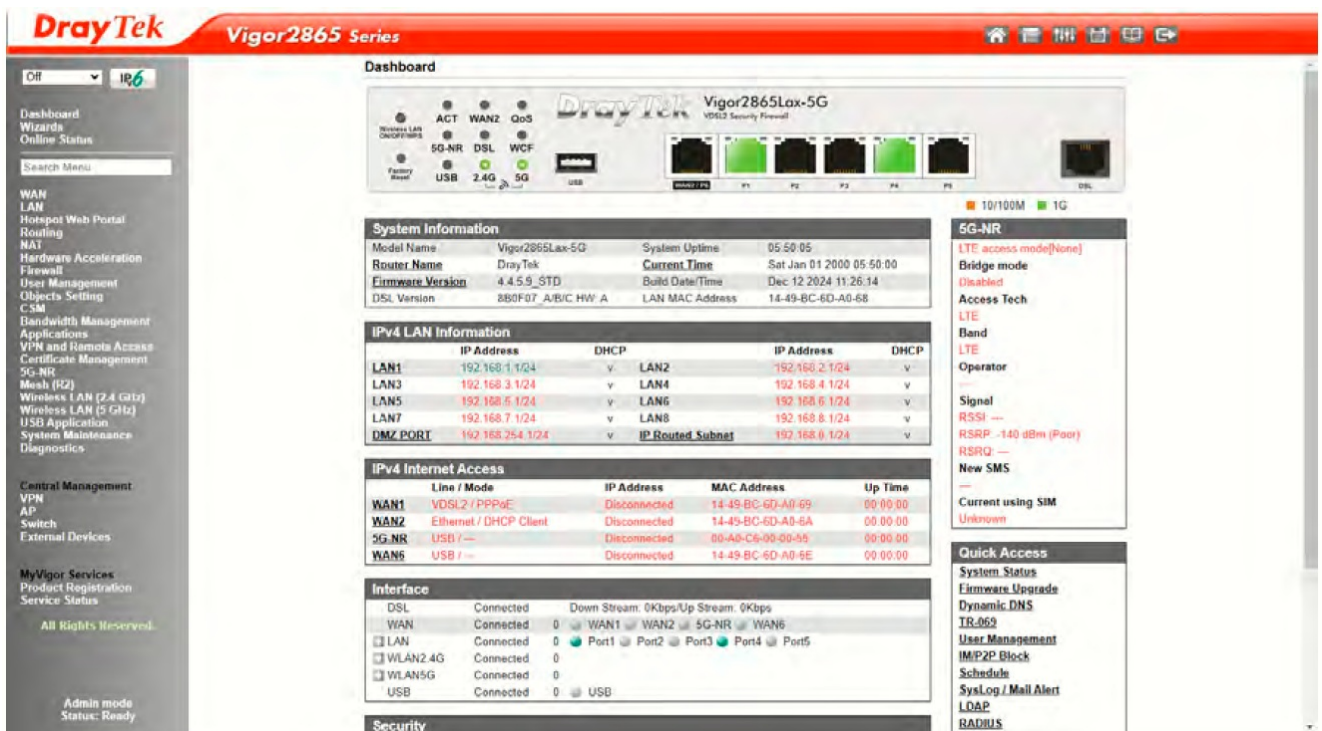
Password Requirements:

1. Must be a minimum of 8 characters.
2. Contain at least three of the following for a strong password:
 - uppercase letters
 - lowercase letters
 - numbers
 - symbols

OK

- **Note** If you fail to access the web configuration, please go to Trouble Shooting” on the User’s Guide to detect and solve your problem.

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



5. The first screen of the Quick Start Wizard is entering the login password. Since you have set a new password by Step 3, click Next directly.

Wizards >> Quick Start Wizard

Enter login password

Please enter an alpha-numeric string as your **Password** (Max 83 characters)

Old Password

New Password

Confirm Password

Password Strength: Weak Medium Strong

Password Requirements:

1. Must be a minimum of 8 characters.
2. Contain at least three of the following for a strong password:
 - uppercase letters
 - lowercase letters
 - numbers
 - symbols

Hint: If you want to keep the password unchanged, leave the password blank and press "Next" button to skip this process.

[< Back](#) [Next >](#) [Finish](#) [Cancel](#)

6. On the next page as shown below, please select the WAN interface that you use. If a DSL interface is used, please choose WAN1; if an Ethernet interface is used, please choose WAN2; if a 3G USB modem is used, please choose WAN5 or WAN6.
- Then click Next for the next step. WAN1, WAN2, WAN5, and WAN6 will bring up different configuration pages. Here, we take WAN1 (ADSL/VDSL2) as an example.

Select WAN Interface

Select WAN Interface:	WAN1 ▾
Display Name:	<input type="text"/>
Physical Mode:	ADSL / VDSL2
DSL Mode:	Auto ▾
Physical Type:	Auto negotiation ▾
VLAN Tag insertion(ADSL):	Disable ▾
Tag value	<input type="text"/> (0~4095)
Priority	<input type="text"/> (0~7)
VLAN Tag insertion (VDSL2) :	Disable ▾
Tag value	<input type="text"/> (0~4095)
Priority	<input type="text"/> (0~7)

< Back

Next >

Finish

Cancel

7. 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 For ADSL Only will be available only when ADSL is detected. Then click Next for the next step.

Quick Start Wizard

Connect to Internet

WAN 1	
Protocol	PPPoE / PPPoA ▾
For ADSL Only:	
Encapsulation	PPPoE LLC/SNAP ▾
VPI	<input type="text"/> 0 <input type="button" value="Auto detect"/>
VCI	<input type="text"/> 38
Fixed IP	<input type="radio"/> Yes <input checked="" type="radio"/> No(Dynamic IP)
IP Address	<input type="text"/>
Subnet Mask	<input type="text"/>
Default Gateway	<input type="text"/>
Primary DNS	<input type="text"/> 8.8.8.8
Second DNS	<input type="text"/> 8.8.4.4

< Back

Next >

Finish

Cancel

PPPoE/PPPoA

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

Quick Start Wizard

Connect to Internet

WAN 1	
Protocol	PPPoE / PPPoA ▼
For ADSL Only:	
Encapsulation	PPPoE LLC/SNAP ▼
VPI	0 Auto detect
VCI	38
Fixed IP	<input type="radio"/> Yes <input checked="" type="radio"/> No(Dynamic IP)
IP Address	
Subnet Mask	
Default Gateway	
Primary DNS	8.8.8.8
Second DNS	8.8.4.4

[< Back](#)[Next >](#)[Finish](#)[Cancel](#)

2. After finishing the above settings, simply click Next.

Quick Start Wizard

Set PPPoE / PPPoA

WAN 1	
Service Name (optional)	CHTI
Username	77494727@hinet.net
Password	*****
Confirm Password	*****

[< Back](#)[Next >](#)[Finish](#)[Cancel](#)

3. Please manually enter the Username/Password provided by your ISP. Then click Next to view a summary of such a connection.

Quick Start Wizard

Please confirm your settings:

WAN Interface:	WAN1
Physical Mode:	ADSL / VDSL2
VPI:	0
VCI:	38
Protocol / Encapsulation:	PPPoE / LLC
Fixed IP:	No
Primary DNS:	8.8.8.8
Secondary DNS:	8.8.4.4

< Back

Next >

Finish

Cancel

- Click Finish. A page of Quick Start Wizard Setup was OK!!! will appear. Then, the system status of this protocol will be shown.
- Now, you can enjoy surfing on the Internet.

MPoA / Static or Dynamic IP

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

Quick Start Wizard

Connect to Internet

WAN 1

Protocol

MPoA / Static or Dynamic IP ▼

For ADSL Only:

Encapsulation

1483 Bridged IP LLC ▼

VPI

0

Auto detect

VCI

38

Fixed IP

☐ Yes ☒ No(Dynamic IP)

IP Address

Subnet Mask

Default Gateway

Primary DNS

8.8.8.8

Second DNS

8.8.4.4

< Back

Next >

Finish

Cancel

- Please type in the IP address/mask/gateway information originally provided by your ISP. Then click Next to view the summary of such a connection.

Quick Start Wizard

Please confirm your settings:

WAN Interface:	WAN1
Physical Mode:	ADSL / VDSL2
VPI:	0
VCI:	38
Protocol / Encapsulation:	1483 Bridge LLC
Fixed IP:	No
Primary DNS:	8.8.8.8
Secondary DNS:	8.8.4.4

< Back

Next >

Finish

Cancel

3. Click Finish. A page of Quick Start Wizard Setup was OK!!! will appear. Then, the system status of this protocol will be shown.
4. Now, you can enjoy surfing on the Internet.

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.

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>

- ALVARO
- Telecomunicaciones
- Espana, S.L
- Avenida de Italia 10 Centro
- de Transportes de Coslada
- 28821 Coslada, Madrid,
- Spain
- AntiPode
- 12 Rue des Chauffours
- 95000 Cergy – France

- BRINET sp. z o.o. sp.k.
- ul. Lubowska 23, 60-433
- Poznań
- CMS
- UK – CMS Distribution
- Limited, 15 Worship Street,
- London, EC2A 2DT
- Ireland – CMS Distribution
- Limited, Bohola Road,
- Kiltimagh, Co Mayo, Ireland
- Comdate Access AB
- Industrivagen 4494147
- Pitea Sweden
- IKI d.o.o. ZAGREB
- IKI d.o.o, Rapska 42,
- 10000 Zagreb, Croatia
- LEXIS S.A.
- 2-4, Karpathou str. &
- Ethnikis Antistaseos,
- 15344, Gerakas,
- Athens-Greece
- Network Elements Kft.
- 1095 Budapest Mester
- 37-39, B lh. also 4.,
- Hungary
- NoWire Nordic AB
- Box 8167,163 08 Spanga,
- Sweden
- OptiVisus Lda.
- Rua Capitão Ramires
- nº17A
- 1000-084 Lisboa,
- Portugal
- ScanAccess A/S
- Kirkeltevej 138, 3450
- Allerød, DK, DENMARK
- Spider Electronics sas
- Via Enrico Fermi
- 11-10040, Caselette (TO)
- Italy.
- Telos d.o.o.
- Parmova 14, 1000
- Ljubljana, Slovenia

- UniVorex GmbH
- Zeppelinstrasse 3, 12529,
- Schoenefeld, Germany
- Xpert Data b.v.
- Oosterveldsingel 2
- 7558 PK Hengelo (Ov)
- For more updates, please visit www.draytek.com.

Documents / Resources

	<p>DrayTek Vigor2865 35b Security Firewall Router [pdf] User Guide</p> <p>Vigor2865 35b Security Firewall Router, Vigor2865, 35b Security Firewall Router, Security Firewall Router, Firewall Router, Router</p>
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References

-  [MyVigor - DrayTek](#)
- [User Manual](#)

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