

Vigor2765 Series

35b Security Router



QUICK START GUIDE (RF MODEL)

V1.1

Vigor2765 35b VDSL2 Router Quick Start Guide

(Wireless models)

Guide Version: 1.1 Region: United Kingdom & Ireland

For updates and support, visit www.draytek.co.uk March 2020 / Firmware V4.0.5 BT

Note: Product specification is subject to continuous evolution which may not always be reflected in current documentation. For the formal specification and details of the supported features of your product, please refer only to the web site at <u>www.draytek.co.uk</u>

Safety and Warranty Information

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. 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 a DrayTek authorized dealer in the UK/Ireland. 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 labour, 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 external factors, used with unapproved accessories or subjected to abnormal working conditions. Warranty applies to hardware only, not software or firmware. 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.

CE Declaration of Conformity

Hereby, DrayTek Corporation declares that the radio equipment type Vigor2765/Vigor2766 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

http://www.draytek.com.tw/ftp/Vigor2765/Document/CE/

Manufacturer: Address:	: DrayTek Corp. No. 26, Fu Shing Road, HuKou Township, HsinChu Industrial Park, Hsin-Chu County,
Product:	Taiwan 303 Vigor2765 Wireless Series
Importer:	SEG, 11 Capital Business Park, Borehamwood, Herts, WD6 1GW

Frequency Information for Europe area:

2.4G WLAN	2412MHz - 2472 MHz, max. TX power: 19.98dBm *1
5G WLAN	5160MHz - 5340 MHz, max. TX power: 22 dBm *2 5480MHz - 5720 MHz, max. TX power: 27 dBm
	Requirements in AT/BE/BG/CZ/DZ/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/ UK/HR. 5150MHz~5350MHz is for indoor use only.

(*1: for 2.4G WLAN model; *2: for 5G WLAN model)

This product is designed for PSTN, DSL and 2.4GHz / 5GHz WLAN network use in the UK & Ireland.



Join the UK mailing list	Users in the UK & Ireland can sign up to our mailing list which goes out approximately 4 times per year with products news, updates, hints & tips and offers. For details, please visit www.draytek.co.uk/list
Firmware & Tools Updates	Due to the continuous evolution of DrayTek technology and emerging risks, router firmware updates may be issued. Please consult the DrayTek web site for more information on newest firmware, tools and documents: www.draytek.co.uk (For UK/Ireland)

Regional and Network Compatibility

For all models, please check that you have been supplied with a device intended for your geographic region and networks. Hardware and software varies by region, as well as local support and warranty services. To be sure of compatibility and local support, ensure that you are buying the correct product through authorized channels. The outside of the product's box will state the region compatibility (e.g. "Applied Region: UK"). If you are unsure, check with DrayTek or your supplier. The use of unofficial components (e.g. PSUs) or adapting interfaces or the use of unauthorized software/firmware may cause malfunction, product damage or personal danger and invalidates your warranty and access to support services.

External Power Supply (Power Adapter) Information

		1	2	3	4	5	6	7	8	9
Α	Manufacturer	CWT	CWT	CWT	CWT	CWT	APD	APD	APD	APD
В	Address	No. 222, Sec.	No.5, Lane 83,	No.5, Lane 83,	No.5, Lane 83,	No.5, Lane 83,				
		2, Nankan	Lung-Sou St.,	Lung-Sou St.,	Lung-Sou St.,	Lung-Sou St.,				
		Rd., Lujhu	Taoyuan City	Taoyuan City	Taoyuan City	Taoyuan City				
		Township,	Township,	Township,	Township,	Township,	330, Taiwan	330, Taiwan	330, Taiwan	330, Taiwan
		Taoyuan	Taoyuan	Taoyuan	Taoyuan	Taoyuan				
		County 338,								
		Taiwan	Taiwan	Taiwan	Taiwan	Taiwan				
C	Model identifier	2ABB012F UK	2ABB018F UK	2ABL024F UK	2ABL030F UK	2ABN036F UK	WA-12M12FG	WB-18D12FG	WA-24Q12FG	WA-36A12FG
		2ABB012F EU	2ABB018F EU	2ABL024F EU	2ABL030F EU	2ABN036F EU	WA-12M12FK	WB-18D12FK	WA-24Q12FK	WA-36A12FK
D	Input voltage	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
	Output voltage DC	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
G	Output power	12.0W	18.0W	24.0W	30.0W	36.0W	12.0W	18.0W	24.0W	36.0W
Н	Average active	84.9%	86.2%	87.6%	87.8%	89.8%	83.7%	85.4%	88.6%	88.2%
	efficiency									
1	Efficiency at low load	73.6%	78.0%	81.3%	83.3%	83.7%	74.5%	80.5%	86.4%	85.4%
	10%									
J	No-load power	0.07W	0.07W	0.07W	0.07W	0.07W	0.07W	0.10W	0.07W	0.10W
	consumption									

For more updates & information, please visit <u>www.draytek.co.uk</u>. The external power supply used for each product will be model dependent.

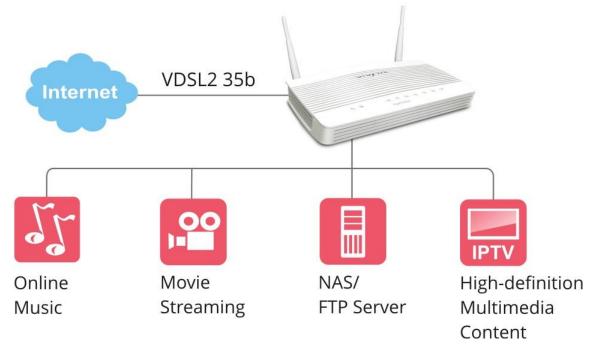
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1. Introduction

The Vigor2765 series is a VDSL2 35b router / firewall with guest network capability for fast and secure home and small office connectivity, designed for bandwidth-intensive applications such as high-definition video streaming, online gaming and Internet telephony.

Packed with advanced features, the Vigor 2765 series offers truly comprehensive DSL connectivity and security. Compatible with all UK variants of ADSL (including ADSL2+ and Annex M), VDSL2 (BT Infinity™/FTTC/35b), the Vigor 2765 can also be used for cable-modem or fibre connections, using LAN port P4 in Ethernet WAN mode and 3G/4G cellular service with supported USB modems.



GlobalView Web Content Filtering allows blocking of websites based on the category they're determined to fit in, which is managed by the GlobalView servers, making it far simpler to block unwanted sites (e.g. Gambling and adult categories) with less maintenance required as new or changed site categorisations are continuously updated. A free 30-day trial is included with your new router.

The router's hardware accelerated IPSec/SSL/L2TP VPN (Virtual Private Networking) functionality can dial-out quickly and securely to an office VPN server for teleworking.

The SSL VPN server allows you to connect your computer, phone or tablet into your home network from anywhere, with access to network storage and secure Internet connectivity through the SSL VPN tunnel.

2. Package Contents



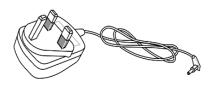
DrayTek Vigor 2765 router



Quick Start Guide (This document)



RJ-45 Cable (Ethernet) (Connects to your PC or Switch)



UK Power Adapter



RJ-11 to RJ-11 Cable (Connects to your DSL line)



Antenna

The maximum power consumption is 17-23 Watts.



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

3. Panel Explanation

3.1 Vigor2765ac

Ċ	22	2.4)	5)	1	2	3	4	-	
			or276						

LED	Status		Explanation			
(Activity)	Blinking		The router is ready and operating normally			
(Activity)	Off		The router is powered off			
	Orange	On	DSL connection synchronised, waiting for Internet connection to establish			
22	orunge	Blinking	Slowly - DSL link not detected Quickly - DSL connection synchronising			
(DSL)	Green	On	Internet connection established, ready for use			
		Blinking	Data is being transmitted over WAN			
	On (Gree	n)	2.4GHz Access Point is active			
2.4	Blinking (Green)	Data is being transmitted on the router's 2.4 GHz wireless interface			
(Wireless LAN On/Off/WPS)	Blinking (Orange)	WPS pairing mode is active for two minutes			
	Off		2.4GHz Access Point is turned off			
	On (Gree	n)	5GHz Access Point is active			
り (Wireless LAN	Blinking (Green)	Data is being transmitted on the router's 5GHz wireless interface			
On/Off/WPS)	Blinking (Orange)	WPS pairing mode is active for two minutes			
	On		Ethernet LAN (RJ45) is connected			
	Blinking		Data is transmitting (sending/receiving)			
(LAN1/2/3/4)	Off		Ethernet LAN is disconnected			
(USB)	On		USB device is connected and ready for use			
	Blinking		Data is being transmitted over USB			

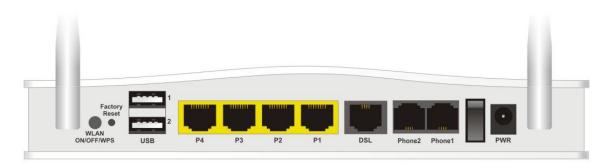
Factory Reset WLAN ON/OFF/WPS	USB	P4	P3	P2	P1	DSL	PWR	

Interface	Description
WLAN ON/OFF/WPS	Press for less than 2 seconds to switch toggle the router's wireless interfaces:
	For example,
	 2.4G (On) and 5G (On) - Default state.
	• 2.4G (Off) and 5G (On) - press and release the button once.
	 2.4G (On) and 5G (Off) - press and release the button twice.
	 2.4G (Off) and 5G (Off) - press and release the button three times.
	When WPS is enabled in the router's web interface, press this button for more than 2 seconds to enable WPS pairing mode.
Factory Reset	Restore the default settings.
	Usage: Turn on the router (ACT LED is blinking). Press gently and hold for more than 5 seconds. When the ACT LED blinks rapidly, release the button. Then the router will restart with the factory default configuration
USB1~USB2	Connector for a USB 3G/4G modem, storage, printer or USB Thermometer
P1~P4	RJ-45 Gigabit Ethernet connectors for local network devices.
	LAN port P4 can be configured as the Ethernet WAN port, see Section 5.3 for details
DSL	RJ-11 connector for ADSL or VDSL line
1/0	Power Switch. Turns the unit on (I) or off (O)
PWR	Connector for the power adapter

3.2 Vigor2765Vac

Vigor2765Vac

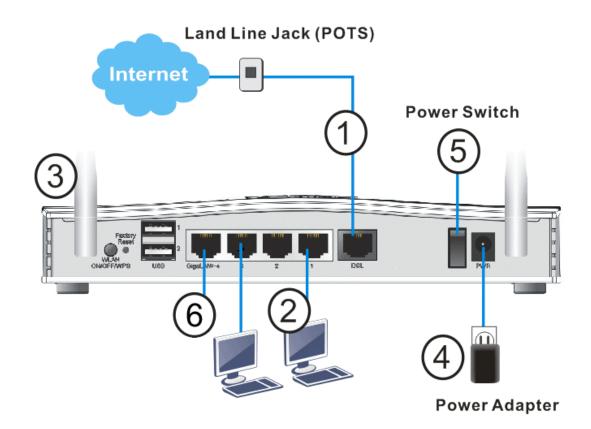
LED	Status		Explanation			
(Activity)	Blinking		The router is ready and operating normally			
(ACLIVILY)	Off		The router is powered off			
	Orange	On	DSL connection synchronised, waiting for Internet connection to establish			
22	Orange	Blinking	Slowly - DSL link not detected Quickly - DSL connection synchronising			
(DSL)	Green	On	Internet connection established, ready for use			
		Blinking	Data is being transmitted over WAN			
	On	. <u> </u>	The phone connected to this port is off-hook			
G 1 G 2	Off		The phone connected to this port is on-hook			
	Blinking		A phone call is incoming			
	On (Green)	2.4GHz Access Point is active			
2.4	Blinking (G	ireen)	Data is being transmitted on the router's 2.4 GHz wireless interface			
(Wireless LAN On/Off/WPS)	Blinking (C)range)	WPS pairing mode is active for two minutes			
	Off		2.4GHz Access Point is turned off			
	On (Green)	5GHz Access Point is active			
5)	Blinking (C	ireen)	Data is being transmitted on the router's 5GHz wireless interface			
(Wireless LAN On/Off/WPS)	Blinking (C)range)	WPS pairing mode is active for two minutes			
	Off		5GHz Access Point is turned off			
	On		Ethernet LAN (RJ45) is connected			
	Blinking		Data is transmitting (sending/receiving)			
(LAN1/2/3/4)	Off		Ethernet LAN is disconnected			
(USB)	On		USB device is connected and ready for use			
()	Blinking		Data is being transmitted over USB			



Interface	Description
WLAN ON/OFF/WPS	Press for less than 2 seconds to switch toggle the router's wireless interfaces:
	For example,
	 2.4G (On) and 5G (On) - Default state.
	 2.4G (Off) and 5G (On) - press and release the button once.
	 2.4G (On) and 5G (Off) - press and release the button twice.
	• 2.4G (Off) and 5G (Off) - press and release the button three times.
	When WPS is enabled in the router's web interface, press this button for more than 2 seconds to enable WPS pairing mode.
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USB1~USB2	Connector for a USB 3G/4G modem, storage, printer or USB Thermometer
P1~P4	RJ-45 Gigabit Ethernet connectors for local network devices.
	LAN port P4 can be configured as the Ethernet WAN port, see Section 5.3 for details
DSL	RJ-11 connector for ADSL or VDSL line
Phone2/Phone1	RJ-11 connectors for VoIP usage with analogue telephones
I/O	Power Switch. Turns the unit on (I) or off (O)
PWR	Connector for the power adapter

4. Hardware Installation

4.1 Connecting up the Vigor 2765

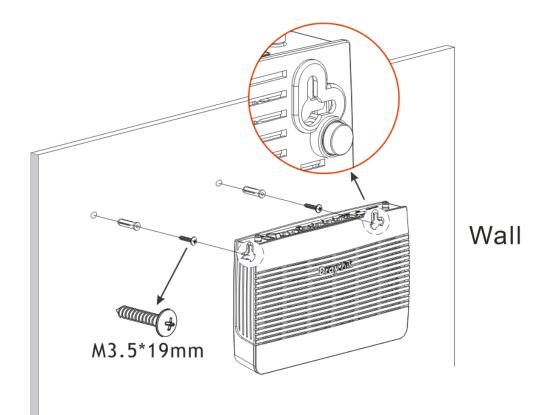


- 1. **ADSL/VDSL Connections:** Connect the **DSL** port to the **Modem** or **DSL** port of the external splitter/microfilter (not supplied) with the RJ-11 line cable. In some cases, your RJ-11 DSL socket will be built-into your phone line socket on the wall and you won't have a separate microfilter/splitter.
- 2. LAN Connections: Connect a LAN port of the router to your computer or switch.
- 3. Wireless Antennas: Connect the wireless antennas to the router
- 4. **Power Supply:** Connect the power adapter to the Vigor 2765's **PWR** socket on the rear and plug the power adapter into a suitable mains socket. Turn the Vigor 2765 on using its power switch.
- 5. The router will start up. After completing the system test, the **ACT** LED will light up and start blinking once per second to indicate that it is ready for use. For more detailed information of LED status, please refer to section 3.1 Front Panel Overview.
- 6. Ethernet-based Internet Connections: LAN port P4 can be switched to operate as the Ethernet WAN port. This must be configured in the router's web interface before it can operate in this mode Section 5.3 of this Quick Start Guide details how to do that.

4.2 Wall-Mounting the Vigor 2765

DrayTek Vigor 2765 series routers have keyhole type mounting slots on the underside to hang the router on, using screws attached to a wall or other surface.

- 1. A template is provided in the Vigor router packaging box to enable you to space the screws correctly on the wall
- 2. Place the template on the wall in the desired position and drill holes through the cardboard template at the marked points
- 3. Fit screws into the wall using the appropriate type of wall plug
- 4. With the screws installed, the router can be slotted into place





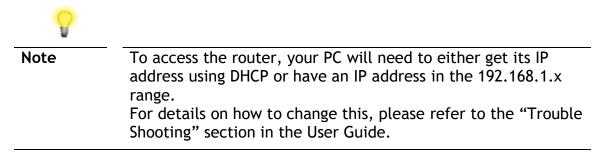


The recommended drill diameter is 6.5 mm (1/4").

5. Setup & Configuration

This section provides examples of how to initially access the router and configure internet access for the most common types of Internet connection in the UK.

If the instructions in this quick start guide do not allow you to get online with your ISP or type of Internet connection, there are additional guides available from the Product Knowledgebase on <u>www.draytek.co.uk</u>.



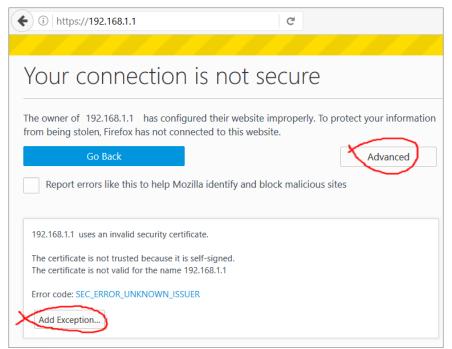
5.1 Accessing the Router Web Interface

Open a web browser on your PC and type https://192.168.1.1.

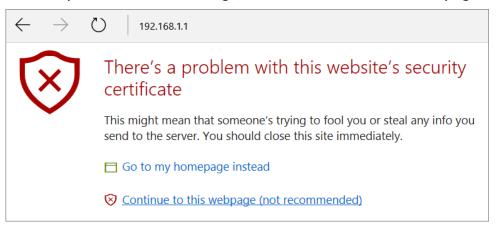
The https:// prefix ensures that your connection is encrypted using SSL so that your session data cannot be intercepted. Without that prefix, your data passes in clear text.

You may get a warning from your browser (IE, Chrome, Edge, Safari etc.) about your server (the router) having an invalid certificate. Your browser will demand further confirmation or exception before allowing access. The warnings will look something like these examples.

An example of how to access the router via HTTPS with Mozilla Firefox:



An example from Microsoft Edge, click "Continue to this webpage" to proceed:



Most other browsers will present equivalent warnings. In each case, following the prompts/links will allow you to access the router's web interface. It is still encrypted with SSL/TLS.



Note

This warning appears because the router's default certificate is 'self-signed' rather than issued to you by a certificate authority who has verified your identity.

A self-signed certificate means that you cannot verify the identity of the server, but as it's your own local router, that shouldn't be an issue - your connection is still encrypted.

The router login prompt will then request a username and password to allow access.

Dray Tek	Vigor2765 Series
Login	
Username	
Password	
	Login
	ing in without encryption which is not login securely <u>click here</u> .
Copyright © 2000-2018D	rayTek Corp. All Rights Reserved.

The factory default login details are:

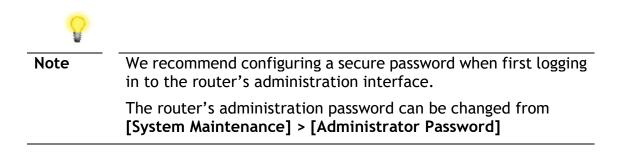
Username: admin Password: admin



If you cannot access the web interface, please go to the "Trouble Shooting" section in the User Guide to determine the cause of and solve your problem.

Upon successful login, the router will display the **Dashboard**, which shows a summary of the router model, WAN status, front panel port status and other information:

k v	ligor.	2765 Serie	5			r i	
Dashboa	ď						
	24)	Factory	- 1 			_	_
		Reset	2				•
	0	WPS		P3 P2	P1 DSI		
		US	B P4	P3 P2	P1 DSI	-	
System							Quick Acces
Model Nar		Vigor2765ac		System Up Time			System Status
Router Na		DrayTek		Current Time		2000 00:02:21	Dynamic DNS
		r87406_beta		Build Date/Time		9 14:33:40	TR-069
DSL Versi	on	08-0B-00-0F-00	-07	LAN MAC Addres	s 00-1D-AA-	40-D8-90	IM/P2P Block
IPv4 LA	Inform	ation					Schedule
		IP Address	DHCP	1	IP Address	DHCP	SysLog / Mail RADIUS
LAN1		192.168.1.1/24	V	LAN2	192.168.2.		Firewall Obje
IP Routed	Subnet	192.168.0.1/24	v	LANZ	192.100.2.	1/24 V	Data Flow Mo
<u>I Routeu</u>	Jubliet	192.108.0.1/24	V				
IPv4 Inte	rnet Ac	cess					1
	Line /		IP Address	DbA DAM	ress.	Up Time	
WAN1		/ PPPoE	Disconnect		A-40-D8-91	00:00:00	
WAN2		et /	Disconnect		\-40-D8-92	00:00:00	
WAN3	USB /		Disconnect	ed 00-1D-AA	\-40-D8-93	00:00:00	1
Interface	;						
DSL	Conne	ected : Down Stre	am : 0Kbps	/ Up Stream : 0Kb	ps		
WAN	Conne	ected: 0, 🥥WA	N1 WA	N2 WAN3			
LAN	Conne	ected : 0, @Po	rt1 @Por	t2 @Port3 🤇	Port4]
WLAN		ected: 0					
C WLANS	- 001111	ected: 0					
USB	Conne	ected : 0, OUS					
		0, @US	B 2				1



5.2 WAN1 – ADSL & VDSL Connection Setup

The WAN1 interface of the Vigor 2765 router can connect to VDSL2 / 35b and ADSL2+ lines.

If your Internet connection uses VDSL2 and your ISP has supplied you with a Username and Password to connect to the Internet, go to section **5.2.1 PPPoE connection with FTTC VDSL2**

If your Internet connection uses VDSL2 and your ISP does not supply or require a Username and Password to connect to the Internet, go to section **5.2.2 DHCP / Static IP connection with FTTC VDSL2**

If your Internet connection uses ADSL or ADSL2+ and your ISP has supplied you with a Username and Password to connect to the Internet, go to section **5.2.3 PPPoA connection with ADSL / ADSL2+**

5.2.1 PPPoE connection with FTTC VDSL2

1. Go to [WAN] > [General Setup] and click on the WAN1 link:

Dray Tek	Vigor276			
Auto Logout 🗸 🛛 IRG	WAN >> General Setup			
Wizards Online Status	Index	Enable	Physical Mode/Type	Active Mode
Search menu	WAN1	\checkmark	VDSL2/-	Always On
WAN	WAN2		LAN Port 4	Failover
General Setup	WAN3	\checkmark	USB/-	Failover

- 2. On the settings page:
 - Set the Enable option to Yes to activate the WAN1 connection
 - Set the Active Mode to Always On
 - Enable the Service VLAN Tag insertion
 - Set the Tag value setting to 101
 - DSL mode can be set to "VDSL2 only" but this is not required



Note The VLAN tag value of 101 is required to connect to ISPs that operate on the Openreach VDSL2 network, if your ISP operates on a different VDSL2 network, this tag value may differ. Please check with your ISP or the DrayTek UK Knowledgebase for ISP specific guides.

WAN 1		
Enable:	Yes 🗸	
Display Name:		
Physical Mode:	VDSL2	
DSL Mode:	Auto ~	
DSL Modem Code:	AnnexA_779517_773F01 ~	
Line Speed(Kbps):		
DownLink	0	
UpLink	0	
Active Mode:	Always On $$	
VLAN Tag insertion	Customer	Service
ADSL	Disable ~	
	Tag value Priority	
	0 0	
	(0~4095) (0~7)	
VDSL2	Disable ~	Enable 🗸
	Tag value Priority	Tag value Priority
	0 0	101 0
	(0~4095) (0~7)	(0~4095) (0~7)

Click **OK** on that page to apply the changes.

3. Go to [WAN] > [Internet Access]

Set the WAN1 Access Mode to PPPoE / PPPoA, then click the Details Page button to proceed:

Auto Logout \vee	WAN >> Internet Access								
Dashboard	Internet	Access			-				
Wizards	Index	Physical Mode	Access Mode		۷				
Online Status	WAN1	ADSL / VDSL2	PPPoE / PPPoA	~	Details Page				
WAN General Setup	WAN2	Ethernet	None	~	Details Page				
Internet Access Multi-PVC/VLAN	WAN3	USB	None	~	Details Page				
WAN Budget									

4. On the PPPoE / PPPoA settings tab:

Select the **Enable** radio button at the top of the page to ensure that the PPPoE interface is enabled.

In the **ISP Access Setup** section, input the ISP username into the **Username** field and password in the **Password** field.

If your ISP has provided a static IP address, that can be specified by setting the **Fixed IP** setting to **Yes** and entering the IP in the **Fixed IP Address** field.

WAN >> Internet Access

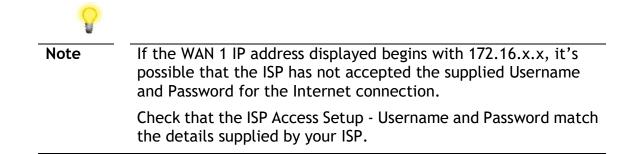
WAN 1

PPPoE / PPPoA	MPoA / Static or	Dynamic IP	IPv6
 Enable Disa ADSL Modem Settings Multi-PVC channel VPI VCI Encapsulating Type Protocol Modulation ISP Access Setup Username Password More Options		PPP/MP Setup PPP Authentication IP Assignment (IPCP Fixed IP Address WAN IP Alias Dial-Out Schedule Index(1-15) in Schee None => 1	

Click **OK** on this page to apply the changes and the router will then prompt to restart. Click the OK button to restart the router.

5. Once the router has restarted, the [Online Status] > [Physical Connection] page will display the VDSL information and PPP connection status, if the WAN1 section shows an IP address, it has connected to the internet successfully:

Auto Logout 👻 IR6	Online Status					
Dashboard Quick Start Wizard	Physical Connectio	on IPv4		IPv6	Sj	ystem Uptime: 0:8:44
Online Status	LAN Status	P	rimary DNS: 194	.72.0.98	Secondary DN	S: 213.120.234.26
Physical Connection	IP Address	TX Pack	,	ackets		
Virtual WAN	192.168.1.1	0	0			
	WAN 1 Status					>> Drop PPPoA
WAN	Enable	Line	Name	Mode	Up Time	
LAN	Yes	VDSL2		PPPoE	0:07:41	
NAT Firewall	IP	GW IP	TX Packe	ts TX Rate(Bps)	RX Packets	RX Rate(Bps)
User Management	217.34.6.35	217.42.145.2	15 224580	805	339568	963
Objects Setting CSM	WAN 2 Status					
CSM Bandwidth Management	Enable	Line	Name	Mode	Up Time	
Applications	Yes	Ethernet			00:00:00	
VPN and Remote Access	IP	GW IP	TX Packe	ts TX Rate(Bps)	RX Packets	RX Rate(Bps)
Certificate Management Wireless LAN			0	0	0	0
SSL VPN	WAN 3 Status					
USB Application	Enable	Line	Name	Mode	Up Time	Signal
System Maintenance	Yes	USB			00:00:00	-
Diagnostics External Devices	IP	GW IP	TX Packe	ts TX Rate(Bps)	RX Packets	RX Rate(Bps)
External Devices			0	0	0	0
Support Area	VDSL2 Information	(VDSL2 Firm	ware Version: 8	30F07_A/B/C)		
Support Area Product Registration	Profile	State UF	Speed [own Speed S	NR Upstream	SNR Downstream
roundertogistration	17A	SHOWTIME 20	000 (Kbps) 8	0000 (Kbps) 1	5 (0.1dB)	6 (0.1dB)



5.2.2 DHCP / Static IP connection with FTTC VDSL2

1. Go to [WAN] > [General Setup] and click on the WAN1 link:

Dray Tek	Vigor276	55 Series	중 言 ₩ 🗄 🕸 🕞		
Auto Logout 🗸 📭 🖌	WAN >> General Setup				
Dashboard Wizards Online Status	Index	Enable	Physical Mode/Type	Active Mode	
Search menu	WAN1	\checkmark	VDSL2/-	Always On	
WAN	WAN2		LAN Port 4	Failover	
General Setup	WAN3		USB/-	Failover	

- 2. On the settings page:
- Set the Enable option to Yes to activate the WAN1 connection
- Set the Active Mode to Always On
- Enable the Service VLAN Tag insertion
- Set the Tag value setting to 101
- DSL mode can be set to "VDSL2 only" but this is not required

8
Note

The VLAN tag value of 101 is required to connect to ISPs that operate on the Openreach VDSL2 network, if your ISP operates on a different VDSL2 network, this tag value may differ. Please check with your ISP or the DrayTek UK Knowledgebase for ISP specific guides. WAN >> General Setup

WAN 1		
Enable:	Yes ~	
Display Name:		
Physical Mode:	VDSL2	
DSL Mode:	Auto ~	
DSL Modem Code:	AnnexA_779517_773F01 ~	
Line Speed(Kbps):		
DownLink	0	
UpLink	0	
Active Mode:	Always On $$	
VLAN Tag insertion	Customer	Service
ADSL	Disable 🗸	

VLAN Tag insertion	Customer	Service
ADSL	Disable ~	
	Tag value Priority	
	0 0	
	(0~4095) (0~7)	
VDSL2	Disable ~	Enable ~
	Tag value Priority	Tag value Priority
	0 0	101 0
	(0~4095) (0~7)	(0~4095) (0~7)

Click **OK** on that page to apply the changes.

3. Go to [WAN] > [Internet Access]

Set the WAN1 Access Mode to MPoA / Static or Dynamic IP, then click the Details Page button to proceed:

Auto Logout 🗸	WAN >> Internet Access								
Dashboard	Internet		1		2				
Wizards	Index	Physical Mode	Access Mode	_					
Online Status	WAN1	ADSL / VDSL2	MPoA / Static or Dynamic IP	~	Details Page				
WAN General Setup	WAN2	Ethernet	None	~	Details Page				
Internet Access Multi-PVC/VLAN	WAN3	USB	None	~	Details Page				
WAN Budget LAN									

4. In the MPoA / Static or Dynamic IP settings:

Select the **Enable** option and select **Obtain an IP address automatically** which will obtain an IP from the ISP using DHCP.

If your ISP has provided a static IP range, with a Network address and a Subnet Mask, specify that with the **Specify an IP address** option.

WAN >> Internet Access

WAN 1

PPPoE / PPPoA	MPoA / Static o	r Dynamic IP	IPv6
🔿 Enable 🔍 Disat	ble	WAN Connection Detection	
ADSL Modem Settings		Mode	ARP Detect V
Multi-PVC channel	Channel 2 ~	МТО	
Encapsulation	1483 Bridged IP LLC \sim	1492 (Max:1500)	Path MTU Discovery
VPI	0		
VCI	101	RIP Routing	
Modulation	Multimode ~	Enable RIP	
		Bridge Mode	
IP Network Settings		🗌 Enable Bridge Mode	
Obtain an IP address au	tomatically	Enable Full Bridge M	lode
More Options 💷		Bridge Subnet	LAN 1 V
○ Specify an IP address			
IP Address		MAC Address	
Subnet Mask		Default MAC Addres	S

Click **OK** on this page to apply the changes and the router will then prompt to restart. Click the OK button to restart the router.

5. Once the router has restarted, the [Online Status] > [Physical Connection] page will display the VDSL information and DHCP connection status, if the WAN1 section shows an IP address, it has connected to the internet successfully:

Online Status					
			IDuc	S	ystem Uptime: 0:8:44
-					-
		•		Secondary DN	S: 213.120.234.26
	TX Packets	RX Pack	ets		
192.168.1.1	0	0			
WAN 1 Status					>> <u>Release</u>
Enable	Line	Name	Mode	Up Time	
Yes	VDSL2		DHCP Client	0:06:58	
IP	GW IP	TX Packets	TX Rate(Bps)	RX Packets	RX Rate(Bps)
217.34.6.35	217.42.145.215	224580	805	339568	963
WAN 2 Status					
Enable	Line	Name	Mode	Up Time	
Yes	Ethernet			00:00:00	
IP	GW IP	TX Packets	TX Rate(Bps)	RX Packets	RX Rate(Bps)
		0	0	0	0
WAN 3 Status					
Enable	Line	Name	Mode	Up Time	Signal
Yes	USB			00:00:00	-
IP	GW IP	TX Packets	TX Rate(Bps)	RX Packets	RX Rate(Bps)
		0	0	0	0
VDSL2 Information	(VDSL2 Firmware	Version: 8B0F(07_A/B/C)		
Profile	State UP Spee	d Dow	n Speed SN	IR Upstream	SNR Downstream
17A	SHOWTIME 20000 (1		•		6 (0.1dB)
	Physical Connection LAN Status IP Address 192.168.1.1 WAN 1 Status Enable Yes IP 217.34.6.35 WAN 2 Status Enable Yes IP WAN 3 Status Enable Yes IP VDSL2 Information Profile	IPv4 LAN Status Primary IP Address TX Packets 192.168.1.1 0 WAN 1 Status Enable Line Yes VDSL2 IP GW IP 217.34.6.35 217.42.145.215 VMAN 2 Status Enable Line Yes Ethernet IP GW IP WAN 2 Status Ethernet IP GW IP WAN 3 Status Enable Line Yes USB IP GW IP VDSL2 Information (VDSL2 Firmware V) Profile State UP Spee	Physical Connection IPv4 LAN Status Primary DNS: 194.72. IP Address TX Packets RX Pack 192.168.1.1 0 0 WAN 1 Status Enable Line Name Yes VDSL2 IP TX Packets 217.34.6.35 217.42.145.215 224580 WAN 2 Status Ethernet IP Yes Ethernet IP IP GW IP TX Packets 217.34.6.35 217.42.145.215 224580 WAN 2 Status Ethernet IP IP GW IP TX Packets 0 0 WAN 3 Status Enable Line IP GW IP TX Packets 0 0 VDSL2 Information (VDSL2 Firmware Version: 880F0 Profile State UP Speed Down	Physical Connection IPv4 IPv6 LAN Status Primary DNS: 194.72.0.98 IP Address TX Packets RX Packets 192.168.1.1 0 0 0 0 WAN 1 Status Enable Line Name Mode Yes VDSL2 DHCP Client IP IP GW IP TX Packets TX Rate(Bps) 217.34.6.35 217.42.145.215 224580 805 WAN 2 Status Ethernet IP GW IP TX Packets TX Rate(Bps) 0 0 0 WAN 3 Status Enable Line Name Mode Yes USB IP GW IP TX Packets TX Rate(Bps) 0 0 0 0 0 WAN 3 Status Enable Line Name Mode Yes USB IP GW IP TX Packets TX Rate(Bps) 0 0 0 0 0 <td>Similar Connection Similar Connection Physical Connection IPv4 IPv6 LAN Status Primary DNS: 194.72.0.98 Secondary DN IP Address TX Packets RX Packets Secondary DN 192.168.1.1 0 0 0 WAN 1 Status Enable Line Name Mode Up Time Yes VDSL2 DHCP Client 0:06:58 IP GW IP TX Packets TX Rate(Bps) RX Packets 217.34.6.35 217.42.145.215 224580 805 339568 WAN 2 Status Enable Line Name Mode Up Time Yes Ethernet 00:00:00 IP GW IP TX Packets TX Rate(Bps) RX Packets 0 0 0 0 0 WAN 3 Status Enable Line Name Mode Up Time Yes USB 0:00:00:00 IP GW IP TX Packets TX Rate(Bps) RX Packets <!--</td--></td>	Similar Connection Similar Connection Physical Connection IPv4 IPv6 LAN Status Primary DNS: 194.72.0.98 Secondary DN IP Address TX Packets RX Packets Secondary DN 192.168.1.1 0 0 0 WAN 1 Status Enable Line Name Mode Up Time Yes VDSL2 DHCP Client 0:06:58 IP GW IP TX Packets TX Rate(Bps) RX Packets 217.34.6.35 217.42.145.215 224580 805 339568 WAN 2 Status Enable Line Name Mode Up Time Yes Ethernet 00:00:00 IP GW IP TX Packets TX Rate(Bps) RX Packets 0 0 0 0 0 WAN 3 Status Enable Line Name Mode Up Time Yes USB 0:00:00:00 IP GW IP TX Packets TX Rate(Bps) RX Packets </td

5.2.3 PPPoA connection with ADSL / ADSL2+

1. Go to [WAN] > [Internet Access]

Set the WAN1 Access Mode to PPPoE / PPPoA and click the Details Page button to proceed:

Auto Logout 🗸	WAN >>	Internet Access			
Dashboard	Internet		1		2
Wizards Online Status	Index	Physical Mode	Access Mode		
	WAN1	ADSL / VDSL2	PPPoE / PPPoA	~	Details Page
WAN General Setup	WAN2	Ethernet	None	~	Details Page
Internet Access Multi-PVC/VLAN	WAN3	USB	None	~	Details Page
WAN Budget LAN	·				

2. On the PPPoE / PPPoA settings tab:

WAN >> Internet Access

The details for the VPI and VCI settings for ADSL should be correct for UK usage, with 0 and 38 being the defaults. In most cases, it will not be necessary to change these.

The **Modulation** setting can be left on its default of Multimode which will auto-detect the correct ADSL type to use.

PPPoE / PPPoA	MPoA / Static or	Dynamic IP	IPv6
Enable O Dis	sable	PPP/MP Setup	PAP or CHAP ~
ADSL Modem Settings		IP Assignment (IPCP)	
Multi-PVC channel	Channel 1 \sim	Fixed IP Address	
VPI	0	WAN IP Alias	
VCI	38		
Encapsulating Type	VC MUX 🗸	Dial-Out Schedule	
Protocol	PPPoA ~	Index(1-15) in Sche	dule Setup:
Modulation	Multimode ~	None v => N	lone ~
		None v	> None ~
ISP Access Setup			
Username	23456@HG01.btclick.com	PPPoE Pass-through	
Password	•••••	For Wired LAN ²	
More Options 🗔		For Wireless LAN	

Select the **Enable** radio button at the top of the page to ensure that the PPPoA interface is enabled.

Enter the ISP credentials into the **Username** and **Password** fields.

If your ISP has provided a static IP address, that can be specified by setting the **Fixed IP** setting to **Yes** and entering the IP in the **Fixed IP Address** field.

Click **OK** on this page to apply the changes and the router will then prompt to restart. Click the OK button to restart the router.

3. Once the router has restarted, the [Online Status] > [Physical Connection] page will display the ADSL information and PPP connection status, if the WAN1 section shows an IP address, it has connected to the internet successfully:

Auto Logout 👻 📭 🖉	Online Status					
Dashboard	Physical Connect	on			S	ystem Uptime: 0:8:44
Quick Start Wizard		IPv4		IPv6		
Online Status	LAN Status	Prima	ry DNS: 194.72	.0.98	Secondary D	IS: 213.120.234.26
Physical Connection	IP Address	TX Packets	RX Pack	ets		
Virtual WAN	192.168.1.1	0	0			
	WAN 1 Status					>> Drop PPPoA
WAN	Enable	Line	Name	Mode	Up Time	
LAN NAT	Yes	VDSL2		PPPoE	0:07:41	
NAT Firewall	IP	GW IP	TX Packets	TX Rate(Bps)	RX Packets	RX Rate(Bps)
User Management	217.34.6.35	217.42.145.215	224580	805	339568	963
Objects Setting	WAN 2 Status					
CSM Bandwidth Management	Enable	Line	Name	Mode	Up Time	
Applications	Yes	Ethernet			00:00:00	
VPN and Remote Access	IP	GW IP	TX Packets	TX Rate(Bps)	RX Packets	RX Rate(Bps)
Certificate Management Wireless LAN			0	0	0	0
SSL VPN	WAN 3 Status					
USB Application	Enable	Line	Name	Mode	Up Time	Signal
System Maintenance	Yes	USB			00:00:00	-
Diagnostics External Devices	IP	GW IP	TX Packets	TX Rate(Bps)	RX Packets	RX Rate(Bps)
			0	0	0	0
Current Area	VDSL2 Informatio	n (VDSL2 Firmware	Version: 8B0F	07_A/B/C)		
Support Area Product Registration	Profile	State UP Spe	ed Dow	n Speed S	NR Upstream	SNR Downstream
Trouver negistration	17A	SHOWTIME 20000	(Kbps) 8000)0 (Kbps) 1	5 (0.1dB)	6 (0.1dB)

Note

If the WAN 1 IP address displayed begins with 172.16.x.x, it's possible that the ISP has not accepted the supplied Username and Password for the Internet connection.

Check that the ISP Access Setup - Username and Password match the details supplied by your ISP.

5.3 WAN2 – Ethernet Connection Setup

The WAN2 interface of the Vigor 2765 router can connect to an ISP supplied router or another network with an Internet connection.

The Ethernet WAN port is shared with the LAN port P4 and must be configured to operate in WAN mode as shown in section **5.3.1 Enabling the Ethernet WAN Port**

If you are using a modem and your ISP has supplied you with a Username and Password to connect to the Internet, see section **5.3.2 PPPoE**

If the router is connected to a modem and the ISP does not supply or require a Username and Password to connect to the Internet, or you are connecting to another router or network, see section **5.3.3 Static or Dynamic IP**

5.3.1 Enabling the Ethernet WAN Port

The Vigor 2765 series router uses port P4 to connect to an Ethernet based Internet connection. In its default state, the port P4 operates as a standard LAN port and the WAN2 (Ethernet WAN) options cannot be selected in the router's web interface.

To enable the router's Ethernet WAN port on port P4 instead of LAN mode:

Dray Tek	Vigor276	* = 111			
Auto Logout 🗸 🛛 🛛 🛛 🗸	WAN >> General Setup				
Dashboard Wizards Online Status	Index	Enable	Physical Mode/Type	Active Mode	
Search menu	WAN1		VDSL2/-	Always On	
WAN	WAN2		LAN Port 4	Failover	
General Setup	WAN3		USB/-	Failover	

1. Go to [WAN] > [General Setup] and click WAN2

2. In its default state, the **Enable** option is set to **No**, which uses port P4 as a standard LAN port:

Dray Tek	Vigor2765 Seri	es 🕋 📻 া 🖬 🔛 🕞
Auto Logout 🗸 🛛 IRÓ	WAN >> General Setup	
Dashboard	WAN 2	
Wizards Online Status	Enable:	No 🗸
	Display Name:	
Search menu	Physical Mode:	Ethernet
WAN	Physical Type:	Auto negotiation \lor
General Setup	Active Mode:	Failover V

3. Set the **Enable** option for WAN2 to **Yes**, this enables the other options on this page.

Set the Active Mode to **Always On** to make the Ethernet port the active Internet connection.

Dray Tek	Vigor2765 Se	ries 🕋 💼 া 🖬 🖬 🕀 🕞
Auto Logout 🗸 🛛 🛛 🛛 🗸	WAN >> General Setup	
Dashboard	WAN 2	
Wizards Online Status Search menu WAN General Setup Internet Access Multi-PVC/VLAN WAN Budget LAN Hotspot Web Portal Routing NAT Firewall	Enable: Display Name: Physical Mode: Physical Type: Active Mode: VLAN Tag insertion	Yes v Ethernet Auto negotiation v Always On v Disable v Tag value Priority 0 0 (0~4095) (0~7) OK Cancel

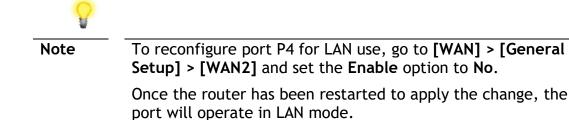
4. Click OK to apply the change and the router will prompt to restart. Click OK to restart the router.

System Maintenance >> Reboot System

eboot System		
	Do you want to reboot your router ?	
	Osing current configuration	
	O Using factory default configuration	

ОК

Once the router has restarted, the WAN2 - Ethernet WAN interface can be configured on the router, as shown in the following two sections.



5.3.2 **PPPoE**

This connection method will typically be used with a modem such as the Vigor 130 VDSL2 modem, which passes through the PPPoE connection from the ISP to the router.

1. Go to [WAN] > [Internet Access]

Firstly set the WAN2 Access Mode to PPPoE, then click the Details Page button to proceed:

Auto Logout 🗸 🛛 🛛 🛛 🗸	WAN >>	Internet Access				
Dashboard	Internet	Access				
Wizards Online Status	Index	Display Name	Physical Mode	Access Mode		
	WAN1		ADSL / VDSL2	None	~	Details Page I
WAN General Setup	WAN2		Ethernet	PPPoE	\sim	Details Page I
Internet Access	WAN3		USB	None	~	Details Page I

2. In the PPPoE settings tab:

Select the **Enable** radio button at the top of the page to ensure that the PPPoE interface is enabled.

Input the username into the **Username** field and password in the **Password** field, as required. The Service Name does not need to be specified.

If your ISP has provided a static IP address, that can be specified by setting the **Fixed IP** setting to **Yes** and entering the IP in the **Fixed IP Address** field.

WAN 2						
PPPoE	Static or Dynamic IP	PPTP/L2TP IPv6				
Enable	O Disable	PPP/MP Setup				
		PPP Authentication PAP or CHAP $ \lor $				
ISP Access Set	•	dle Timeout	-1 second(s)			
Service Name	(Optional)	IP Address Assignment Method (IPCP)				
Username	A123456@HG00.btclick.c	WAN IP Alias				
Password	•••••	Fixed IP: 🔿 Yes 🖲) No (Dynamic IP)			
Index(1-15) in	Schedule Setup:	Fixed IP Address				
=> ,						
		 Default MAC Address 				
WAN Connectio	on Detection	O Specify a MAC Address				

WAN >> Internet Access

Click **OK** on that page to save the settings and the router will then prompt to restart, allow it to restart to properly apply the changes.

Once the router has restarted, log back into the web interface and select [Online Status] > [Physical connection], if it has connected, the relevant WAN Interface status text will be in green along with an IP address which indicates that the connection is active and ready for use.

5.3.3 Static or Dynamic IP

1. Go to [WAN] > [Internet Access]

Firstly set the WAN2 Access Mode to Static or Dynamic IP, then click the Details Page button to proceed:

Auto Logout 🗸 🛛 IR6	WAN >>	Internet Access				
Dashboard	Internet	Access				
Wizards Online Status	Index	Display Name	Physical Mode	Access Mode		
	WAN1		ADSL / VDSL2	None	~	Details Page IP
WAN General Setup	WAN2		Ethernet	Static or Dynamic IP	~	Details Page IP
Internet Access	WAN3		USB	None	~	Details Page IP

2. In the Static or Dynamic IP settings:

Select the **Enable** option and select **Obtain an IP address automatically** which will obtain an IP from the ISP with DHCP.

If your ISP has provided a static IP range, with a Network address and a Subnet Mask, specify that with the **Specify an IP address** option.

WAN >> Internet A	ccess				
WAN 2					
PPPoE	Static or Dynamic IP		PPTP/L2TP		IPv6
Enable	O Disable	WAN	IP Network Settings	WAN IP AI	ias
Keep WAN Connection		Obtain an IP address automatically			
Enable PING		Rou	ter Name		*
PING to the IP		Dom	nain Name		*
PING to the IP			HCP Client Identifier	*	
		Use	rname		
WAN Connection	Detection	Pas	sword		
Mode	ARP Detect $\ ee$	0 s	pecify an IP address		
		IP A	ddress		
мти	1500 (Max:1500)	Sub	net Mask		
Path MTU Disco	Detect	Gat	eway IP Address		
		-			

Click **OK** on this page to apply the changes and the router will then prompt to restart. Click to restart the router.

Once the router has restarted, log back into the web interface and select [Online Status] > [Physical connection], if it has connected, the relevant WAN Interface status text will be in green along with an IP address which indicates that the connection is active and ready for use.

5.4 WAN3 / WAN4 – 3G / 4G USB Modem Setup

The 3G / 4G USB modem facility can be used either as a primary Internet connection or as a backup that will only activate when other WAN interfaces are offline. It allows a supported USB modem to provide internet access through the router.

The list of supported modems can be found under: [USB Application] > [Modem Support List]

or on the DrayTek UK site:

https://www.draytek.co.uk/support/guides/usb-3g-4g-modem-support-list

There are two USB modem connection modes available:

PPP mode is used where the modem provides a dial-up interface and would typically require software to perform dialing and provide status information and diagnostics when used with a PC.

DHCP mode is used where the modem operates as a virtual network adapter / router and will usually have diagnostics and usage information shown in a web interface.

When configuring the 3G / 4G modem, the router will require the correct **APN** (Access Point Name) details and a username and password with some ISPs. If those details are not set, the mobile network may reject the connection attempts of the router, which will result in the router showing no signal / no IP address.

5.4.1 PPP Mode

To set up the USB WAN for PPP mode, go to **[WAN] > [Internet Access]** Select **3G/4G USB Modem (PPP mode)** from the drop-down box

Click the **Details Page** button to continue:

Auto Logout 🗸 🛛 🛛 🛛 🗸	WAN >> Internet Access					
Dashboard	Internet	Access				
Wizards Online Status	Index	Display Name	Physical Mode	Access Mode		
	WAN1		ADSL / VDSL2	PPPoE / PPPoA	\sim	Details Page I
WAN General Setup	WAN2		Ethernet	Static or Dynamic IP	\sim	Details Page I
Internet Access Multi-PVC/VLAN	WAN3		USB	3G/4G USB Modem(PPP mode)	~	Details Page I

In the USB WAN settings, select the Enable option to enable the WAN interface.

The Modem String values typically do not need to be changed. Enter the **PPP Username** and **PPP Password** if your ISP requires these to authenticate.

Enter a SIM PIN code only if your SIM card has a PIN set on it, otherwise leave this blank.

WAN >> Internet Access

WAN 3					
3G/4G USB Modem(PPP mode)	3G/4G USB Modem(DHCP mode)	IPv6			
		Modem Support List			
3G/4G USB Modem(PPP mode)	Enable Disable				
SIM PIN code					
Modem Initial String	AT&FE0V1X1&D2&C1S0=0				
Modelli Inda Schilg	(Default:AT&FE0V1X1&D2&C1S	(Default:AT&FE0V1X1&D2&C1S0=0)			
APN Name		Apply			
Modem Initial String2	AT				
Modem Dial String	ATDT*99#]			
	(Default:ATDT*99#, CDMA:ATI	DT#777,			
	TD-SCDMA:ATDT*98*1#)	_			
Service Name		(Optional)			
PPP Username		(Optional)			
PPP Password		(Optional)			
PPP Authentication	PAP or CHAP $$				

To set the **APN Name**, enter the APN required by the SIM card / network into the APN Name field and click the **Apply** button:

3G/4G USB Modem(PPP mode)	Enable O Disable	
SIM PIN code		
Modem Initial String	AT&FE0V1X1&D2&C1S0=0 (Default: AT&FE0V1X1&D2&C1)	50=0)
		,
APN Name	exampleAPN	Apply
APN Name Modem Initial String2	exampleAPN AT	Apply

This will move the APN Name into the **Modem Initial String** to indicate that it has been saved.

3G/4G USB Modem(PPP mode)	Enable Oisable	
SIM PIN code		
Modem Initial String	APN:exampleAPN	
<u> </u>	(Default:AT&FE0V1X1&D2	&CISU=0)
APN Name	exampleAPN	Apply
Modem Initial String2	AT	
Modem Dial String	ATDT*99#	

Click **OK** to save and apply the changes.

If the modem is detected successfully, the WAN interface should be able to connect. Status information can be viewed on the **[Online Status] > [Physical Connection]** section as WAN3. If there is a successful connection, the WAN interface text will show in green and will show an IP address.

5.4.2 DHCP Mode

WAN >> Internet Access

To set up the USB WAN for DHCP mode, go to **[WAN] > [Internet Access]** Select **3G/4G USB Modem (DHCP mode)** from the drop-down box Click the **Details Page** button to continue:

Auto Logout 🗸 🛛 🛛 🛛 🗸	WAN >> Internet Access				
Dashboard	Internet	Access			
Wizards Online Status	Index	Display Name	Physical Mode	Access Mode	
	WAN1		ADSL / VDSL2	PPPoE / PPPoA ~	Details Page
WAN General Setup	WAN2		Ethernet	Static or Dynamic IP V	Details Page
Internet Access Multi-PVC/VLAN	WAN3		USB	3G/4G USB Modem(DHCP mode) 🗸	Details Page

In the USB WAN settings, select the Enable option to enable the WAN interface.

Enter a **SIM PIN** code only if your SIM card has a PIN set on it, otherwise leave this blank.

Network Mode defaults to **4G/3G/2G** which will auto-select the network type to connect to and will use whichever mode the base station recommends. Setting this to a specific mode will force that connection type, for instance "4G Only" will connect using 4G specifically

The APN Name will typically not need to be set with a USB modem that uses DHCP mode, however if the modem cannot connect then enter the APN for the SIM card used in the modem.

WAN 3		
3G/4G USB Modem(PPP mode)	3G/4G USB Modem(DHCP mode)	IPv6
		Modem Support List
Enable Oisable	Authentication	PAP or CHAP \checkmark
	Username	(Optional)
SIM PIN code	Password	(Optional)
Network Mode 4G/3G/2G (Default: APN Name exampleAPN LTE hardware version	4G/3G/2G)	
WAN Connection Detection Mode ARP Detect	~	
MTU 1500 (D Path MTU Discovery Choose IP	efault:1500)	

Click **OK** to save and apply the changes.

If the modem is detected successfully, the WAN interface should be able to connect. Status information can be viewed on the **[Online Status] > [Physical Connection]** section as **WAN3**. If there is a successful connection, the WAN interface text will show in green and will show an IP address.

6. Getting Further Help

If the router does not appear to be operating correctly or you cannot get online to the Internet, please visit our web site (www.draytek.co.uk) for further troubleshooting advice or to contact our support technicians. Always have your serial number to hand.

Users in the UK/Ireland using qualifying products should visit for support options including email support, telephone support, our help knowledgebase and access to the UK user support forums.

If you are **outside** of the UK/Ireland, please contact your own local supplier, email to support@draytek.com or visit www.draytek.com/support

For warranty service, in the first instance, please contact the support services, as listed above, for help in diagnosing or eliminating the problem or issue. The support department can arrange repair or service if then deemed necessary.

The standard Vigor 2765 series warranty is 'Return to base' (RTB) unless you have VigorCare which provides enhanced services (see www.draytek.co.uk/vigorcare).

You should keep your proof of purchase (original invoice) safely in case warranty or other service is ever required.

6.1 Additional Feature Setup

This is a quick setup guide to get you online with your new router. Your Vigor 2765 series router is capable of very much more and has a plethora of other features.

These are covered in the main user manual, which is available on the Downloads page:

https://www.draytek.co.uk/support/downloads

The online knowledgebase has additional information on how to configure the router's Internet connectivity and more advanced features:

https://www.draytek.co.uk/support/product-knowledgebase

6.2 Keep up to date with our mailing list

Now that you have your DrayTek product, you should keep up to date with product updates (firmware), security advisories and other product news, advice or special offers. Users in the UK/Ireland can subscribe to our mailing list. For details and to subscribe, please visit

In other countries or regions, please contact your local distributor/supplier for local options.

6.3 Firmware Updates

It is strongly recommended that you keep your router firmware up to date with the latest version in order to have all of the latest security and feature improvements.

Always obtain firmware from official sources, i.e. (for UK/Ireland users).

There are two firmware file types:

- .all upgrade retaining all previous settings
- .rst upgrade and reset to factory default

It is recommended to take a configuration backup prior to upgrading the firmware.

6.4 Security & Router Best Practice

Your router is the gateway to an entire business network and data. Even the best security equipment requires correct usage in order to ensure that its features are effective.

There are many simple practices that every router user should adopt to help reduce the risk to their network or business as well as some very common and simple mistakes that people habitually make - simple mistakes which could then be exploited by others.

We've produced our free guide "**Router Best Practice**" which contains essential information for anyone installing, configuring or using a broadband router or wireless LAN.

Available to download: <u>https://www.draytek.co.uk/best</u>