PRODUKTSUPPORT

CSL Router Pro

Uppdaterad den 24 juni 2025



The Router Pro by CSL employs a dual-connectivity approach, combining fixed-line connectivity with CSL's national roaming SIM for failover functionality. This solution seamlessly integrates the stability of fixed-line connections with the versatility of a CSL SIM capable of roaming across various networks, making it an ideal choice for mission-critical applications that demand constant connectivity.

Through the use of CSL's dedicated IoT core, we deliver secure private fixed connectivity (xDSL/FTTx) and private Access Point Names (APNs). This ensures that all data traffic remains protected and isolated from the public internet, enhancing the overall security of the network infrastructure.

Senaste informationen
https://www.csl-group.com/se/stod/router-pro/

Quick Guide

Router Location

1. Refer to the location identified on the site survey report.
2. Note, for best performance it should be kept away from sources of interference i.e. monitors, fridges, power supplies, metal, other aerials etc.

LTE Mobile Antenna Installation

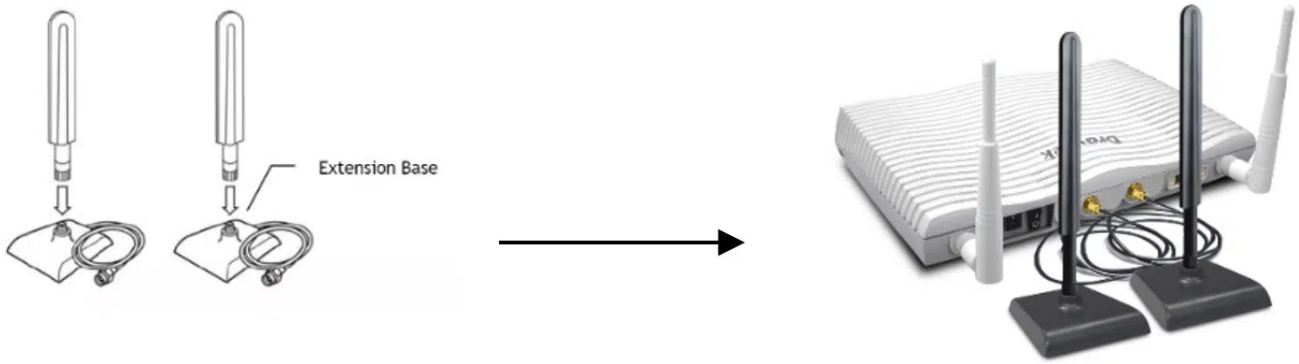
1. For all installations, both LTE antennas must be connected to the two LTE connectors. The extension base is optional but advised. For some sites, the LTE mobile service may be deactivated, but could be activated at any time.

2. Connect the two antennas directly into the two LTE connectors.



3. Whilst optional, the antenna-to-extension base installation is recommended for improved mobile signal strength. Screw the antennas into the extension bases.

4. Connect the two extension base cables to the two LTE connectors.



5. If only one high gain antenna shall be installed, use the LTE connector near to the SIM card slot.



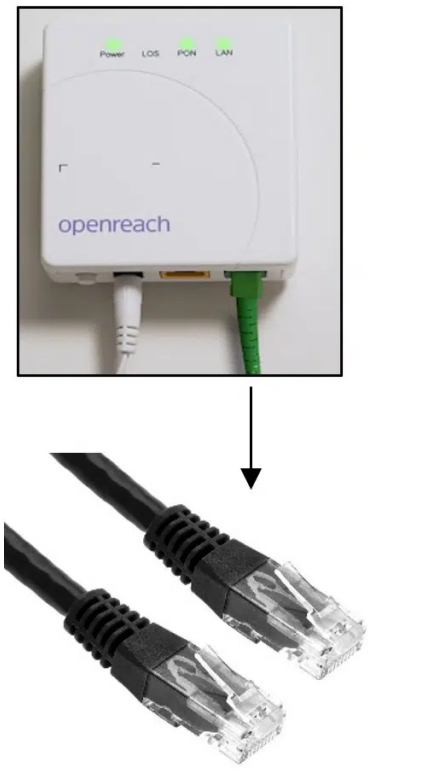
Fixed Line DSL/WAN2 Cabling

1. For fixed line installations, depending on the technology, please refer to one of the options below:

DSL, connect the broadband cable (RJ11) to the DSL port on the front of the router and plug the other end into the Openreach or other provider's network termination point (wall socket).

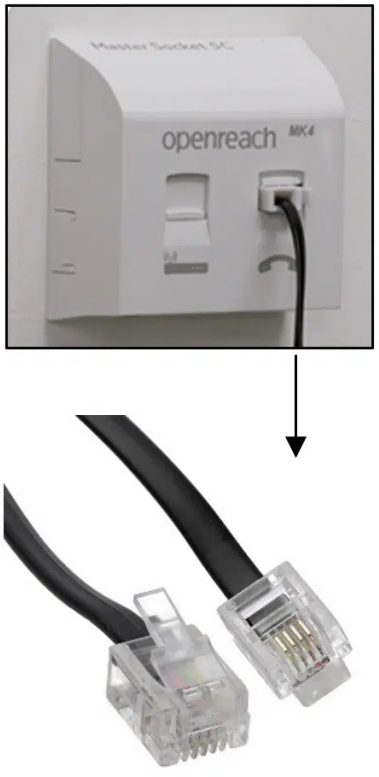
FTTP (fibre), connect the RJ45 cable to the WAN2/P6 port on the front of the router and plug the other end into the Openreach or other provider's network termination point (wall socket).

FTTP



ONT – RJ45 connection for FTTP (Fibre)

DSL



NTE – RJ11 connection for DSL

2. Connect one end of the power adapter to the router's power port (PWR) on the rear panel, and the other side into a wall socket.

3. Power on the router using the supplied PSU by pressing down the power switch on the rear panel.

4. The system starts to initiate. After completing the system test, the ACT LED will light up and start blinking indicating the connection is synchronising.

5. For fixed line installations, once the line sync is completed the DSL LED (for DSL) or WAN2 LED (for FTTP) should go solid indicating the data transfer.

6. For mobile LTE installations, for best results ensure that the green LTE LED is ON to indicate the router has established a signal strength.
(OFF LED status indicates a mobile service is not detected or deactivated).

7. Finally, please allow 10 mins for the router to connect and download any configuration changes. The router will reboot automatically to install the latest configuration.

DSL Status

1. If the DSL service provisioning has been confirmed the DSL LED will quickly blink indicating the connection is synchronising.
2. Once the line sync is complete the DSL LED should go solid indicating data transfer.

Signal Strength

1. For best results ensure (that) the green LTE LED is ON to indicate the Router has established a connection and has a mobile service.
2. OFF LED status indicates a mobile service is not detected or is deactivated. Check the antenna cabling and/or reposition the antennas where this is good mobile coverage. Refer to step 3.

Connect Devices

IP devices can now be connected using the supplied ethernet cable or via Wi-Fi if enabled.

Confirm Successful Installation

A correctly installed and commissioned router will show the following LED behaviour:

ACT LED = Blinking

LTE LED = Solid/Blinking quickly (if mobile service is applicable)

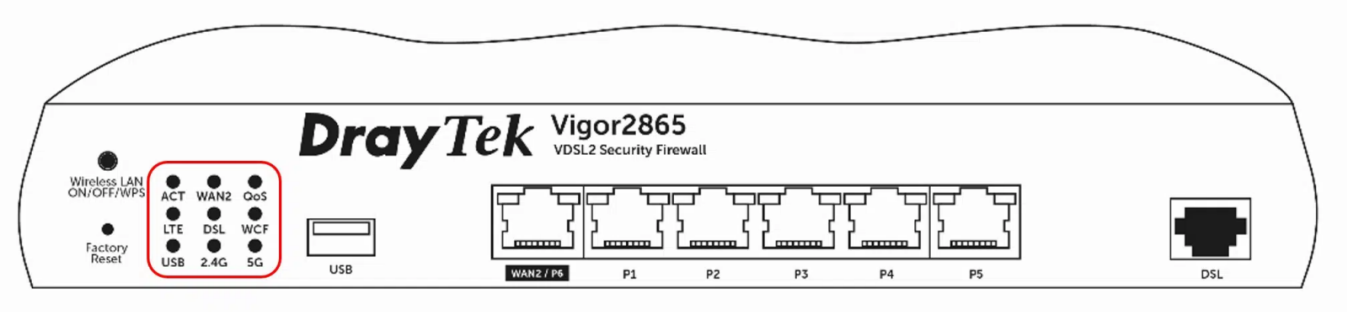
DSL LED = Solid (if fixed line service is applicable)

WAN2 LED = Solid/Blinking quickly (if fixed line service is applicable)

Troubleshooting

Troubleshooting

Figure 1 – CSL
Draytek Router

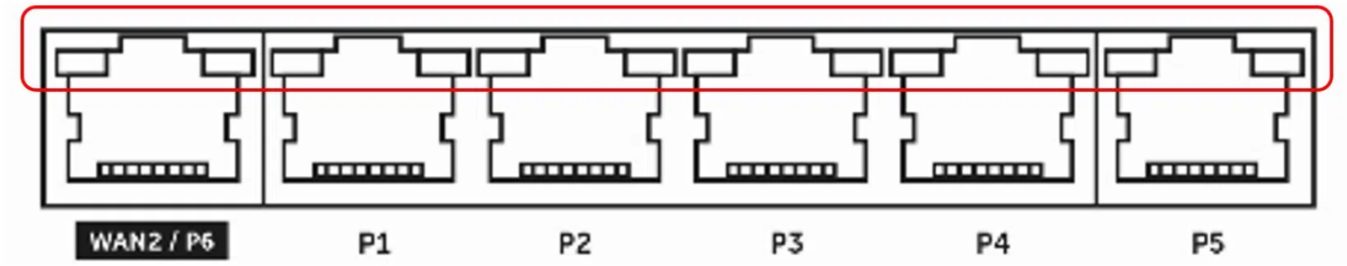


LED	Status	Explanation
ACT	Off	The router is powered off
	Blinking	The router is ready and operating normally
WAN2 (FTTP/Ethernet WAN)	On/Blinking Quickly	Internet connection is ready for use
	Off	Connection is offline
LTE	On/Blinking Quickly	LTE network is connected and ready for use
	Off	LTE modem is not detected or has a serious problem (e.g., Antenna issue, SIM issue, etc.)
	Blinking	Slowly: LTE modem is connecting. Quickly: Data is being transmitted over LTE

DSL	On	DSL connection synchronised
	Blinking	Slowly: DSL connection not currently synchronising or not detected. Quickly: DSL connection is synchronising
2.4G / 5G (Wireless LAN) (If applicable)	On	2.4G: 2.4GHz Access Point is active 5G: 5GHz Access Point is active
	Off	Wireless Access point is inactive
	Blinking	2.4GHz/5GHz LED will blink slowly when transmitting over that interface ACT & WLAN LEDs blink rapidly when WPS is ready for WPS clients to connect. After 2 minutes, the router will disable WPS pairing mode

LED on Connector

Figure 2 – CSL Draytek Router

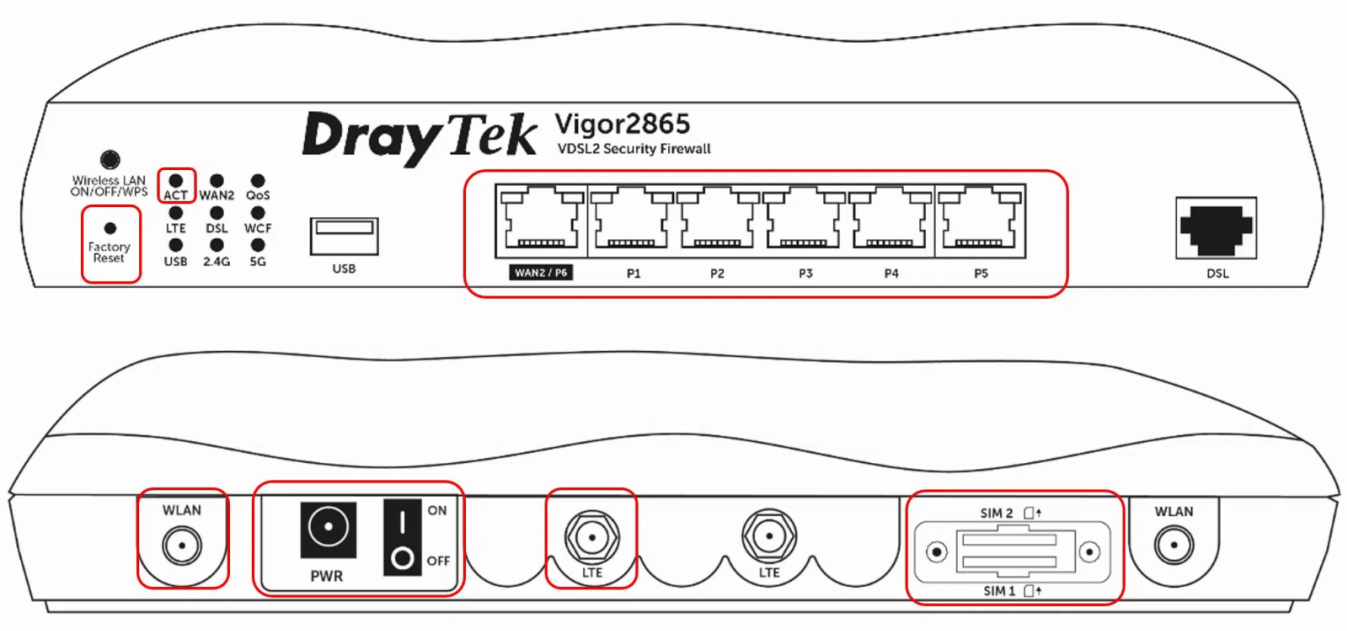


WAN2/P6	Left LED	On	The port is connected.
		Off	The port is disconnected.
		Blinking	The data is transmitting.
	Right LED	On	The port is connected at 1000Mbps.
		Off	The port is connected at 10/100Mbps.

LAN P1~P5	Left LED	On	The port is connected.
		Off	The port is disconnected.
		Blinking	The data is transmitting.
	Right LED	On	The port is connected at 1000Mbps.
		Off	The port is connected at 10/100Mbps.

Figure 3 – CSL

Draytek Router



Interface	Description
Factory Reset (Only use if approved by CSL Platinum Tech Support)	Restore the default settings. Turn on the router (ACT LED is blinking). Use a paper clip or similar object to press & hold the Factory Reset button for more than 5 seconds. Once the ACT LED begins to blink rapidly, release the factory reset button. The router will reset with the factory default configuration. CSL Platinum Tech Support will enable the download of the configuration.
WAN2 / P6	Connector for external modem (FTTP).
LAN P1~P5	Connectors for local network devices.

DSL	Connector for accessing the CSL network.
PWR	Connector for a power adapter.
ON/OFF	Power Switch.
LTE	Connector for installing LTE antennas.
SIM 2/ SIM 1	SIM card slots
WLAN	Connector for installing WLAN antennas.

THE SITE IS OFF-LINE AND THE ROUTER CAN NOT BE CONTACTED ON EITHER PATH

1. **Check the router is powered on**. Ensure the power adaptor is connected to the routers PWR socket, the router PWR switch is set to ON, the power adapter is connected to the mains power socket and switched on.

2. **Check the ACT LED is blinking.** The ACT LED blinking indicates the router is ready and operating normally. If the ACT LED is off, recheck the router is receiving power as per step 1.

3. **Check the LTE/DSL/WAN2 connectivity is established.**

If the DSL LED is off, please check connectors are well seated. If connections are OK, swap the filter, cables, or adaptors between the line socket and router. (If applicable).

If the WAN2 LED is off, please check the RJ45 cable is not damaged and is well seated. If the connection seems OK, replace the RJ45 cable. (if applicable)

The LTE LED should be solid. If the LTE LED is off, it indicates no signal is available. Please check the antenna connectors and/or reposition the two LTE antennas. (If applicable).

WAN2	On/Blinking Quickly	Internet connection is ready for use
	Off	Internet connection is offline
LTE	On/Blinking Quickly	LTE internet is connected and ready for use
	Off	LTE modem is not detected, or has serious problem (e.g., no SIM card, Antenna issue, SIM deactivated, etc.)
	Blinking	Slowly: LTE modem is connecting Quickly: Data is being transmitted over LTE

DSL	On	DSL connection synchronised
	Blinking	Slowly: DSL connection not currently synchronising or not detected. Quickly: DSL connection is synchronising

4. If no resolution, contact CSL Platinum Tech Support.

THE ROUTER IS ONLINE, BUT THE LOCAL LAN EQUIPMENT IS NOT VISIBLE / REACHABLE

Step 1. Check the ethernet connection between the router and local equipment. Please refer to the LAN LED status table above (figure 2.). Check the customer's local device is powered on and complete a restart if required. If the LEDs on the router's ethernet interface P1-P5 are not lit, replace the ethernet cable.

Step 2. For WLAN, check the wireless LAN connection is working. Please refer to the LED status table above. Check customer's LAN device is powered on and complete a restart if required. Check both WLAN antennas are connected to the outer WLAN SMA connectors.

Step 3. If no resolution, contact CSL Platinum Tech Support.

Support

If you require technical support

For immediate technical support please contact CSL Platinum Support on 01895 546 214.

Please ensure you have the following information when contacting the CSL Platinum Support team:

- Brief description of the issue and what impact it has on your service.
- IP Address/Router serial (provided at the point of order).
- Site location/access/contact details of where the incident is occurring.
- Details of checks that have already been made (see Troubleshooting section).

Technical Specifications

Technical Specifications

Multi-WAN	Gigabit Performance Router with Load-Balancing & Failover
WAN1	VDSL2 / VDSL2 35b / ADSL2+, RJ-11
WAN2/LAN Switchable Port	1x Gigabit Ethernet (1G/100M/10M), RJ-45
LAN Ports	5x Gigabit Ethernet (1G/100M/10M), RJ-45
VPN	Up to 800Mbps VPN Throughput with IPsec acceleration 32 LAN-to-LAN & Remote Teleworker VPN Tunnels 16 DrayTek SSL VPN or OpenVPN Tunnels
VLAN	8 LAN Subnets with VLANs (Port-based / 802.1q)
Dimensions	(W)241mm (D)165mm (H)44mm
WAN Interface	Dual-SIM Failover 4G LTE Category 6 Modem

FAQs

What is the difference between CSL Router Pro the standard CSL Router?

Utilising the inherent stability of fixed connectivity (xDSL/FTTx) as its primary communication route, the CSL Router Pro delivers the best possible performance and reliability for mission-critical connectivity. CSL manages all aspects of the product, serving as a Single Point of Contact (SPOC) for any issues or enquiries. Furthermore, the hardware offers enhanced performance and additional Ethernet ports in comparison to the standard CSL Router.

What connection types are available on the CSL Router Pro?

The fixed connectivity aspect will vary on a site-by-site basis based on what is available. CSL will work with you to ensure the best possible solution is provided at each site. In cases where xDSL/FTTx is unavailable or impractical, CSL can provide alternative options such as dual SIM and satellite connectivity.

When would I need a CSL Router Pro?

Mission critical applications requiring a secure and resilient connectivity.

How would I purchase a CSL Router Pro?

Email our sales department at sales@csl-group.com or alternatively speak to your Sales executive to find out more.