

FALCON 5G Portable Router

User Manual



FN-MR5G-3400

Life made easy by



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WHAT IS INCLUDED

		
1 x 5G Portable Router	1 x USB-C Charging Cable	1 x User Manual

Please check the contents and contact us if there are any discrepancies.
Please note that router colours may vary.



Welcome to the Falcon 5G Portable Router

Congratulations on choosing the Falcon 5G Portable Router.

Your gateway to lightning-fast, secure, and portable internet connectivity.

Engineered with cutting-edge CAT22 technology, the Falcon 5G delivers blazing transfer speeds of up to 3800 Mbps, ensuring seamless streaming, gaming, browsing, and video conferencing anytime, anywhere. With support for up to 32 Wi-Fi devices, it's the perfect solution for connecting smart phones, tablets, laptops, smart TVs, Wi-Fi cameras, and more.

Whether you're travelling, working remotely, or simply need a backup internet solution, the Falcon 5G portable router is ready. With dual-band support (2.4GHz and 5GHz) and Wi-Fi 6 (AX) capabilities, you get the best performance even in high-traffic environments. Your security is a top priority, which is why the Falcon 5G uses WPA3-SAE encryption to protect your data with the most advanced wireless security available.

Designed for true portability, the router features a 4500mAh quick-charge lithium-ion battery and USB-C charging, keeping you connected wherever life takes you. Simply insert a Nano SIM card, power on, and manage your connection through the bright and easy-to-read 2.4-inch TFT screen or via the back end dashboard.

We're excited to have you on board. Let's get started and take your connectivity to the next level.

The Falcon Team

For Product Support in the UK

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For Product Support in the EU

Email: support@falcontechology.eu



ROUTER OVERVIEW

ROUTER INPUTS & CONTROLS

ROUTER FRONT

USB-C
Charging
Input

TS9
External
Antenna
Inputs



Select
Button

Navigation
Button

Power
Button

SIM Card
Slot
+
Reset
Button

ROUTER SIDES

Navigation
Button

SIM card slot
/ Reset

Power
Button

Select
Button

External Antenna
Inputs (2 x TS9)

USB-C
Charging Input



ROUTER SCREEN

Inbound /
Outbound
Data

WiFi
Signal

SMS
Message

SIM
Status

Battery
Level
Indicator

Incoming
Signal
Strength

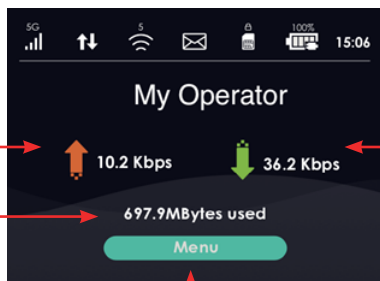
Time

Current Upload
Rate

Current Download
Rate

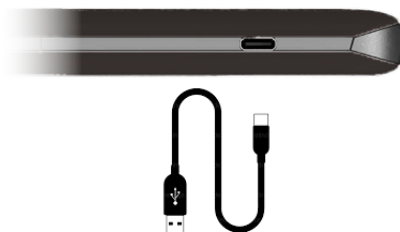
Data
Consumed

Menu



CHARGING THE ROUTER

Connect the charge lead to the USB-C charging port on the bottom of the router. Connect to power via USB or mains charger.



Ensure that the battery has sufficient battery level before powering the router on.

POWERING THE ROUTER ON

To power up the router, press and hold the power button on the right hand side of the router for up to 10 seconds until the start-up screen is displayed.



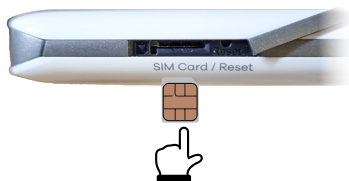
Note: If the battery power is extremely low, the router will not power on. Ensure that the router has sufficient charge before powering the router up. See the above step for charging the router.



ROUTER SETUP

INSTALLING / REMOVING SIM CARD

To install or remove a SIM card, lift the flap on the right hand side of the router marked SIM Card / Reset. Lifting the flap will expose the SIM card slot and also the Factory Reset button.

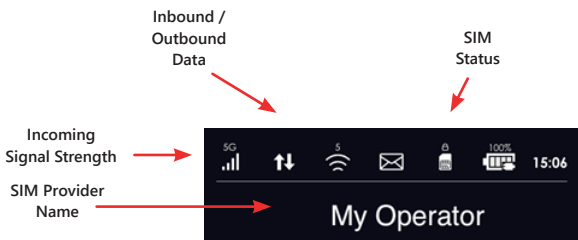


To install a SIM card. Insert a **Nano SIM** with the contacts facing upwards and push gently until the SIM clicks into place. To remove a SIM gently push the SIM inwards until it clicks and ejects the SIM and carefully remove it.

The Router is unlocked to all SIM networks and will work with any 5G / 4G Nano SIM (PayG or Contract). **This router is also compatible with eSIMs - see pages 28-31 for set up details.**

If the router has recognised the SIM card the Operator name will be displayed. Also ensure that the inbound / outbound data arrows are displayed and that you have a signal. Whilst checking this it is recommended to find an open space to allow the router to connect to the provider network.

If the SIM is not recognised or not finding the network, ensure that the SIM card is activated, has a valid contract or data bundle assigned and Power the Router off and then on again to allow the SIM to attempt to recognise the SIM.

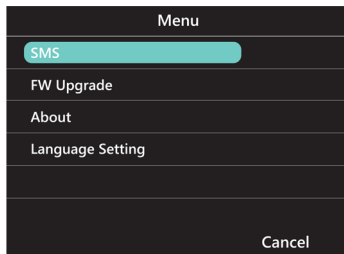
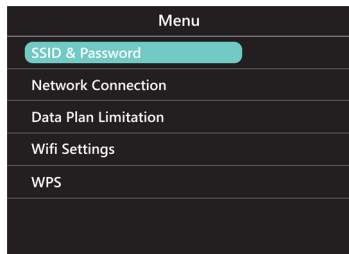




FIRST TIME USE

When using the router for the first time, take a few moments to familiarise with the router menu and settings functions on screen.

MAIN MENU



To scroll down the menu press the ▼ button on the right hand side of the router and use the **Select** button to enter the option.

The helpful option when connecting first time will be the SSID & Password menu option and the Wi-Fi Settings option, as these will assist in connecting devices to the router.

The SSID & Password will be required to connect any Wi-Fi device (Up to 32) to the router.

The options on the menu are as follows:

- **SSID & Password:** Displayed Information Wi-Fi Connection + QR Code.
- **Network Connection:** Connection status, SIM Operator and Roaming.
- **Data Plan Limitation:** Displays data use + allows data limit settings.
- **Wi-Fi Settings:** Select Wi-Fi Band settings (2.4GHZ, 5GHz etc.)
- **WPS:** Wi-Fi Protected Setup connection to Wi-Fi devices.
- **SMS:** Read received SMS text messages to inserted SIM card.
- **FW Upgrade:** Auto check / check for latest firmware update.
- **About:** General info (Web Dashboard IP address + admin password)
- **Language Settings:** Change the routers display language.

All of these options will be covered in more detail further in this manual.



GETTING CONNECTED

GETTING CONNECTED

Its time to start connecting Wi-Fi devices to the router. The router will accept connections of up to 32 devices at a time.

To connect, ensure the router is powered on and that the card has been inserted and that the recognised the SIM service provider.

The router has been set up with default SSID & Passwords which can be changed via the web dashboard explained further in this manual.

The Default SSID & Passwords for the router are:

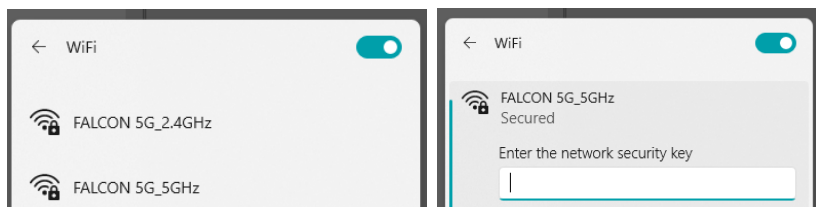
2.4GHz Wi-Fi Band SSID: **Falcon 5G_2.4GHz**

5GHz Wi-Fi Band SSID: **Falcon 5G_5GHz**

Wi-Fi Password: **Falcon_99**

To connect to a device, ensure that the Wi-Fi is enabled on the device to be connected and perform a Wi-Fi search. This will scan for all local Wi-Fi Network SSID's (Service Set Identifier).

Once the network search has been completed, choose one of the Falcon 5G SSID's to connect to and enter the password noted above.



The device should now be successfully connected to the router and ready for use. If connection is not successful, please refer to the troubleshooting section of this user manual.



CONNECTING VIA QR CODE

A WiFi connection can also be made to the router by scanning the QR code on the router display using a smart phone or tablet camera.

To connect, short press the **Power** button to wake up the display and Press the **Select** button on the side of the router and navigate to the **SSID & Password** menu option using the ▼ button on the right hand side of the router and use the **Select** button to enter the option.



To connect to the 2.4GHz Wi-Fi network, scan the QR Code or press **Select** on the Next button to display the 5GHz Wi-Fi Network and scan the 5Ghz QR Code. This will connect the device to the network without the requirement for entry of a password.

CONNECTING VIA WPS

To connect to a WPS compatible device, short press the **Power** button to wake up the display and Press the **Select** button on the side of the router and navigate to the **WPS** menu option using the ▼ button on the right hand side of the router and use the **Select** button to enter the option. To enable WPS press the Select button on Enable. There will be a countdown of 120 seconds. Enable WPS on the device to be connected and allow for the device to find the router.

Note: WPS will not work if the router is set to WPA3 encryption.

To change encryption log onto the WEB-UI dashboard noted further in this manual to change the encryption level to use WPA2.



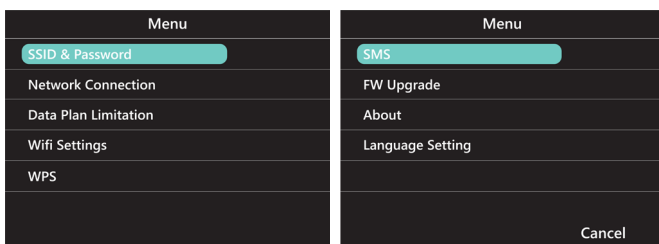
ROUTER MENU

The router display menu provides information such as Wi-Fi connection information, Network connection details, SIM card SMS messages, Language settings, Data Usage and limitations, Wi-Fi Band settings and Firmware details.

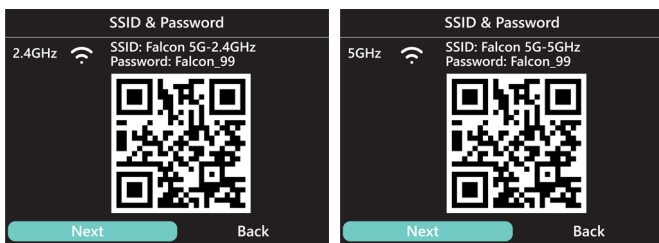
To access the router display menu, press the tap the power button to wake the screen, then press the **Select** button to open the menu.

To navigate through the menu press the ▼ button until the required option is highlighted, then press the **Select** button to enter the sub menu.

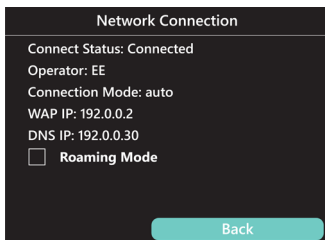
Use the ▼ button to scroll through options and the **Select** button to select.



SSID & Password - Wi-Fi connection details.



Network Connection - Network connection details.





Data Plan Limitation - View used data and SIM data plan limitations

Data Plan Limitation

Data used:
Data Limit:
Alarm Threshold:
Total Data Sum:
☐ Enable

Back

Wifi Settings - Select Wi-Fi Bands (2.4GHz, 5GHz, 2.4+5GHz & Combined

Wi-Fi Settings

☐ 2.4GHz Wi-Fi
☐ 5GHz Wi-Fi
☒ 2.4GHz+5GHz Wi-Fi
☐ Combine Wi-Fi

Apply
Back

WPS (Wi-Fi Protected Setup) - Wi-Fi connection with no password.

WPS

When you enable the WPS function there will be a countdown of 120s

Enable
Back

SMS - View SMS text messages received by router SIM

SMS

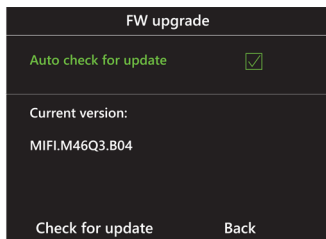
0/0

Next
Prev
Open
Back

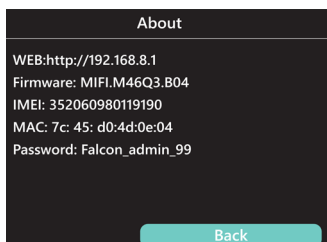


ROUTER MENU

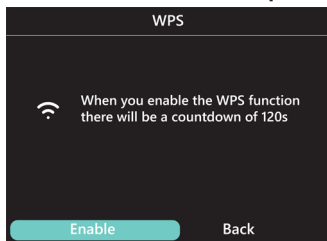
FW Upgrade - Options for Auto check for update and firmware version.



About - Provides WEBUI IP Address, admin password & Firmware version.



WPS (Wi-Fi Protected Setup) - Wi-Fi connection with no password.



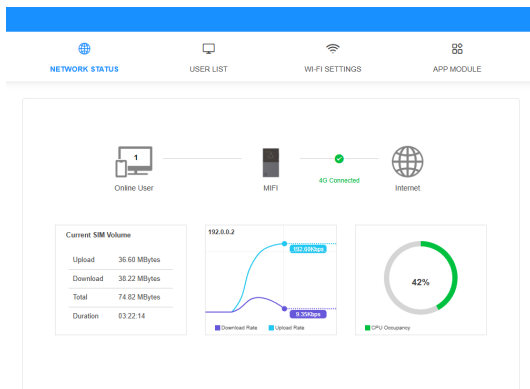
SMS - View SMS text messages received by router SIM

Some settings can be adjusted from the router menu by using the controls on the side of the router. For more options and details, log in to the **WEB-UI Dashboard** via a smart phone, tablet, laptop or PC. Details for connecting to the WEB-UI dashboard, please see the next page.



GETTING CONNECTED

The Web-UI Dashboard is the tool-set which allows management and changes to settings for the 5G router such as SSID, Password, Network settings, Data plan limitations, Roaming settings, Manual APN settings and more.



To Log onto the Web-UI Dashboard, use either a PC, Laptop, Smart phone or tablet and ensure that the device is connected to the router via Wi-Fi.

Open a browser window and enter the IP address **http://192.168.8.1**

The default login username and password are as follows:

Username: **admin**

Password: **Falcon_admin**

Once the username and password have been entered, click Login

This will log onto the WEB-UI Dashboard where settings can be viewed and changed.

EN

Username

Password

Remaining times: 5

Login



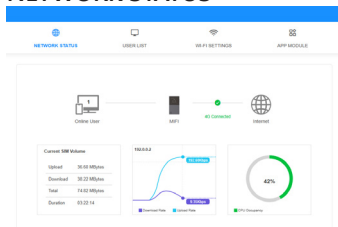
WEB-UI DASHBOARD

WEB-UI DASHBOARD LAYOUT

The WEB-UI Dashboard provides information regarding the router and network status and also allows settings to be adjusted.

The main screen provides a set of tabs along the top.

NETWORK STATUS



The **Network Status** tab provides information regarding connection status of the router to the internet along with upload / download speeds and also the number of devices connected to the router.

USER LIST

Device	IP/MAC Address	Access Type	Switch
DESKTOP-ADP8M7H 20:0E:30:00:00:00	192.168.0.101 00:40:05:40:00:00	WIFI	Current User

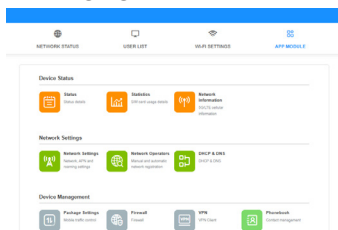
The **User List** tab provides information regarding the current devices connected to the router. From the User List tab, Wi-Fi connections can be blocked and also MAC address types can be filtered.

WI-FI SETTINGS

The Wi-Fi Settings dashboard allows configuration of the router's Wi-Fi. It includes a Master Wi-Fi Control section with a toggle for Wi-Fi Enable (checked), a dropdown for Wi-Fi Band (2.4G GHz), and a toggle for Frequency Coordination (checked). Below this is the 2.4G Wi-Fi Settings section with a text input for Wi-Fi SSID (FALCON_5G_2_4GHz).

The **Wi-Fi Settings** tab provides information regarding Wi-Fi setup and also allows changes to the Wi-Fi type, SSID & Passwords and Wi-Fi security mode. Guest Wi-Fi and also Wi-Fi extender settings can also be adjusted from here.

APP MODULE

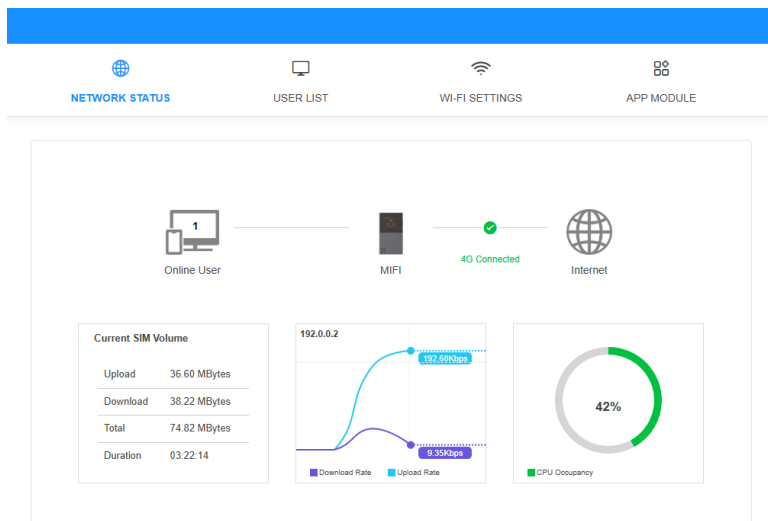


The **App Module** tab provides information and allows changes to various settings such as WEB-UI admin password changes, Manual APN settings, VPN settings, Network settings, Firewall configuration, Configuration backups and router firmware update settings.



NETWORK STATUS

The Network Status Tab provides an overview regarding the status of the connection of the router. This screen will provide information of the current connection, number of online users connected to the router and the status of the connection to the internet, showing a snapshot of upload and download speeds and the total data transferred and connection duration.



The screen will also identify if a 4G or 5G signal is currently being used.

If there is no connection to the internet and the connection is showing a cross instead of a tick, ensure that the SIM is correctly inserted, Power the router off by holding the power button for up to 5 seconds and then power the router back on and reconnect to the dashboard.

If there is still no connection to the internet, the router may not be automatically recognising the SIM APN settings and Manual APN settings may need to be entered for the SIM provider. Please refer to the APN section on the Network Settings page.



WEB-UI DASHBOARD - USER LIST

USER LIST

The User List tab provides information regarding the devices connected via Wi-Fi to the router. The router can allow connections of up to 32 devices at a time and these can be managed from the User List.



Online Users			
Offline Users			
Forbidden Users			
MAC Filter Mode			
Device	IP/MAC Address	Access Type	Switch
DESKTOP-6DPNBTN 00:08:51	192.168.8.101 DC-41-A9-45-8B-89	Wi-Fi	Current User

The **Online Users** tab will show the current connections to the router along with IP address and MAC address information.

The **Offline Users** tab will provide a history of devices that have connected to the router but currently offline. These can be cleared or blocked.

Online Users				
Offline Users				
Forbidden Users				
MAC Filter Mode				
Device	MAC Address	Access Type	Switch	Clear
LAPTOP-GFRBQ1JJ	FC-DD-55-FF-FF-FF	Offline	☒	X

The **Forbidden Users** tab allows IP / Mac addresses to be blocked from connecting to the router.

Online Users			
Offline Users			
Forbidden Users			
MAC Filter Mode			
Device	MAC Address	Access Type	Switch
<button>Add Wi-Fi User</button>			

The **MAC Filter Mode** tab allows the selection of Black or White List connections.

Online Users			
Offline Users			
Forbidden Users			
MAC Filter Mode			
MAC Filter Mode			
Black List			



WI-FI SETTINGS

The Wi-Fi Settings page allows the SSID's (How the router appears in Wi-Fi searches on devices) and also Wi-Fi passwords to be renamed / changed. The page also allows Guest Wi-Fi to be enable and setup, Timed Wi-Fi outages in the Advanced Settings tab or the router to be set up as a Wi-Fi extender To allow the router to connect to another local Wi-Fi router where required to reduce data use from the SIM card.

NETWORK STATUS

USER LIST

WI-FI SETTINGS

APP MODULE

Wi-Fi Settings
 Guest Wi-Fi
 Advanced Settings
 Wi-Fi Extender

Master Wi-Fi Control

Wi-Fi Enable

☒

Wi-Fi Band

2.4+5 GHz

Frequency Combination

☐

Max User

32

2.4G Wi-Fi Settings

Wi-Fi SSID

FALCON 5G_2.4GHz

Security Mode

WPA2-PSK/WPA3-SAE

Wi-Fi Key

SSID Broadcast

☒

802.11 Mode

2.4 GHz (b/g/n/ax)

5G Wi-Fi Settings

Wi-Fi SSID

FALCON 5G_5GHz

Security Mode

WPA2-PSK/WPA3-SAE

Wi-Fi Password

SSID Broadcast

☒

802.11 Mode

5 GHz (a/n/ac/ax)



WEB-UI DASHBOARD - WI-FI SETTINGS

WI-FI SETTINGS

Master Wi-Fi Control allows the selection of the Wi-Fi band(s) to be used. Select the Wi-Fi Band drop-down and choose which Band to use.

[Wi-Fi Settings](#) [Guest Wi-Fi](#) [Advanced Settings](#) [Wi-Fi Extender](#)

Master Wi-Fi Control

Wi-Fi Enable

☒

Wi-Fi Band

2.4+5 GHz

Frequency Combination

☐

Max User

32

Select from either **2.4GHz**, **5GHz**, **2.4+5GHz** or **Combine Wifi**.

It is recommended to use the 2.4GHZ + 5GHZ band, allowing connection to either depending on the device as some older devices may not connect to a 5GHz Wi-Fi network.

2.4 Wi-Fi Settings & 5G Wi-Fi Settings

From this screen the SSID and Wi-Fi passwords can be customised and the security encryption types adjusted. The SSID and Passwords can be set differently for both bands.

5G Wi-Fi Settings

Wi-Fi SSID

FALCON 5G_5GHz

Security Mode

WPA2-PSK/WPA3-SAE

Wi-Fi Password

SSID Broadcast

☒

802.11 Mode

5 GHz (a/n/ac/ax)

Channel

Auto

Channel Bandwidth

20/40/80 MHz

AP Isolation

☐

Apply

Once the changes have been completed. Click Apply. The router will need to restart to complete the changes.



GUEST WI-FI

The router is able to isolate a band to use as a Guest Wi-Fi for occasions where guests require Wi-Fi access but you do not wish to disclose your Wi-Fi details. The Guest Wi-Fi option allows setup of a separate SSID and password to provide to your guests.

Wi-Fi Settings
Guest Wi-Fi
Advanced Settings
Wi-Fi Extender

Guest Wi-Fi is enable a isolate Wi-Fi network for guests on your router, suitable for situations where it is not convenient to disclose your wireless password, and avoids all kinds of Wi-Fi keys stealing privacy information.

Guest Wi-Fi Switch ☐

Guest Wi-Fi Band

Guest Wi-Fi SSID

Guest Wi-Fi Broadcast ☒

Security Mode

Guest Wi-Fi Password

Apply

To enable Guest Wi-Fi, click the Guest Wi-Fi Switch to enable. Then choose which band the Guest Wi-Fi is to be set up on (2.4GHz or 5GHz)

Input an SSID Name for the Guest Wi-Fi and also a Guest Wi-Fi Password & click **Apply**. Your guests should now be able to perform a Wi-Fi search on their devices and connect to the Guest Wi-Fi Network.

ADVANCED SETTINGS

In the Advanced Settings tab, the Wi-Fi can be set to perform a Wi-Fi outage.

Wi-Fi Settings
Guest Wi-Fi
Advanced Settings
Wi-Fi Extender

Time Switch ☐

Apply



WEB-UI DASHBOARD - WI-FI SETTINGS

WI-FI EXTENDER

The Wi-Fi Extender tab allows for the router to be set as a Wi-Fi Extender. This will allow the router to connect to a local Wi-Fi router nearby and to use its internet connection rather than using SIM data.

Note: Connecting to a local Wi-Fi router can result in poor internet depending on the speed, number of connections and also location of the router. If the router has a lot of devices using it or is far away then this may result in reduced internet bandwidth.

To enable the Wi-Fi Extender option on the router, Navigate to the Wi-Fi Extender tab in the Network Settings page.

Click on the Wi-Fi Extender Switch toggle to enable the function.

The screenshot shows the 'Wi-Fi Extender' tab selected in the top navigation bar. Below the navigation bar, there is a descriptive text: 'The Wi-Fi extender feature boosts Wi-Fi signal strength and connects to Wi-Fi networks where available to reduce mobile data usage.' Below this text is a 'Wi-Fi Extender Switch' toggle, which is currently turned off (grey). Underneath the switch are two input fields: 'Wi-Fi SSID' with the value 'my_repeater_ssid' and a 'Search' button, and 'Wi-Fi Password' with the placeholder 'Wi-Fi Password' and an eye icon. At the bottom, the 'Extender Status' is shown as 'Disconnected' in red text. A blue 'Apply' button is located at the bottom right of the form.

Press the search button to perform a Wi-Fi search of local Wi-Fi networks. Choose a Network and input the relevant Wi-Fi Password and click Apply. The router may need to restart. Once completed, reconnect to the 5G router and log in to the dashboard and navigate to the Wi-Fi Extender tab. The router should now be connected to the local Wi-Fi connection.

This screenshot shows the 'Wi-Fi Extender' settings page after configuration. The 'Wi-Fi Extender Switch' toggle is now turned on (blue). The 'Wi-Fi SSID' field contains the value 'CHESS' and the 'Search' button is greyed out. The 'Wi-Fi Password' field is filled with eight asterisks. The 'Extender Status' is now 'Connected' in green text. The blue 'Apply' button remains at the bottom right.

Please ensure to disable the Wi-Fi Extender Switch when finished using the local Wi-Fi connection.



APP MODULE

The App Module tab provides a variety of additional information and options which can be changed.

Device Status: Provides additional Statistics and Network information

Network Settings: Allows manual changes to network & APN settings.

Device Management: Allows additional changes and firmware updates.

NETWORK STATUS

USER LIST

WI-FI SETTINGS

APP MODULE

Device Status

Status
Status details

Statistics
SIM card usage details

Network Information
5G/LTE cellular information

Network Settings

Network Settings
Network, APN and roaming settings

Network Operators
Manual and automatic network registration

DHCP & DNS
DHCP & DNS

Device Management

Package Settings
Mobile traffic control

Firewall
Firewall

VPN
VPN Client

Phonebook
Contact management

Messages
Common operations for SMS

PIN Settings
SIM card using PIN code

Admin Settings
Set login password, timeout

Update
Online update and local update

Configuration Backup
Save configuration to restore factory

Device Reboot
Device Reboot

Diagnosis
Diagnose device status

WPS
Support of WPS

DNS
DNS

VPN Passthrough
VPN Passthrough

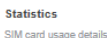
NTP Settings
Network time protocol

Power Save
Power Save



Additional statistics and status pages for the router

Status

[illegible]

The screenshot shows the 'Statistics' page with a table titled 'Current Date Consumption' and 'Total Date Consumption'. The table lists consumption in MWh for Download, Upload, and Total across two dates: 03-03-2022 and 03-02-20.

Type	Current Date Consumption	Total Date Consumption
Download	38.47 MWh	42.40 MWh
Upload	49.69 MWh	87.64 MWh
Total	88.16 MWh	130.04 MWh
Download	33.26.27	33.40.38

Usage statistics provided here are approximate. For accurate statistics and details of charges refer to your bill.

Buttons: [View History](#), [Refresh](#)

Network Information	
Connection Status	Connected
APN Mode	4G
Network Operator	800
MSISDN	(26050000000410)
Roaming	☐
Operation Band	800
Signal Strength(RSSI)	-94 dBm
EVOL	11 dB
RSCP	-103 dBm
RXQIQ	-15 dB

Allows manual changes to Network Settings such as SIM APN and Roaming settings. See the Next Page for APN Setting information.

Network Settings

Network, APN and roaming settings

 Network Settings

Network Settings

Connect Mode

☒ Auto ☐ Manual

SIM Selection

☒ SIM Slot ☐ eSIM

Network Mode

Auto

Profile Mode

Auto

Apply

Roaming

Roaming Mode



Apply

Return

Connect Mode: Choose either Auto or Manual. (Default is Auto)

Network Mode: Allows manual selection of Band (3G, 4G, 5G SA, 5G NSA)

Profile Mode: Auto should detect the SIM APN settings, if not then a Manual Profile may be required.

Roaming Mode: To be enabled for international use. (Check SIM provider tariffs and settings)



NETWORK APN SETTINGS

In most cases, the router will identify the APN settings automatically if the Profile Mode is set to Auto. However, if the router does not identify the APN settings automatically and the router is not connecting to the internet then a Manual APN Profile may need to be created.

CREATING A MANUAL APN PROFILE

To create a select a Manual APN Profile, Select Manual from the Profile Mode drop-down. The router can store up to 4 Manual APN Profiles.

Network Settings

Connect Mode ☒ Auto ☐ Manual

SIM Selection ☒ SIM Slot ☐ eSIM

Network Mode

Profile Mode

Profile

APN List

Name

User

Password

APN

Authentication Type

IP Mode

Apply

To create a Manual APN, you will require the APN settings for your SIM provider. These can be obtained simply by typing in the SIM provider name and APN Settings into a search engine or by visiting the SIM providers website.

Enter the APN Name, Username and Password (if required), APN and choose the correct Authentication type and IP Mode for your provider.

Apply the settings and test the internet connection, if still not connecting, refer to the Troubleshooting section of this user manual.



WEB-UI DASHBOARD - APP MODULE

APN LIST

Below is a list of some popular SIM provider APN settings.

Name	Username	Password	Access Point Name (APN)
EE	eesecure	secure	everywhere
giffgaff	gg	p	giffgaff.com
O2	o2web	password	mobile.o2.co.uk
Sky Mobile			mobile.sky
Three			three.co.uk
Vodafone PAYG	wap	wap	pp.vodafone.co.uk
Vodafone	wap	wap	wap.vodafone.co.uk
Talkmobile	wap	wap	talkmobile.co.uk
Virgin Mobile			goto.virginmobile.uk
Tesco Mobile	tescowap	password	prepay.tesco-mobile.com

Note: The APN settings above are correct at the time of print but may be subject to change. Please check with your SIM Provider to confirm.

Also please note that the APN settings for contract SIM's and Pay As You Go SIM's may differ with the same provider.

ROAMING

Using the Router outside of the country of the SIM card origin may require roaming settings to be enabled. Please note that additional charges may be incurred from your SIM provider for International Roaming. Please check with your provider before enabling that you understand the tariffs or allowance provided by your SIM provider.

To enable International Roaming to allow the SIM to utilise signal reception in other countries, Navigate to APP Module>Network Settings and click the **Roaming Mode** to enable and **Apply**

Roaming Mode



Apply

Return



NETWORK OPERATORS

In most cases the 5G router will automatically connect to the nearest and strongest operator for the SIM card used for the router. This can also be set manually though by performing a Manual Operator search.



Network Operators

Network Operators

☒ Auto

☐ Manual

Return

To perform a Manual Operator search, Navigate to **APP Module>Network Settings>Network Operators** and click **Manual**.

The router will then perform a search for local network operators and return a list of available operators to choose from and display if they are available or forbidden. Choose a network to manually connect to by clicking in the Select box for the relevant provider.



Network Operators

Network Operators

☐ Auto

☒ Manual

Operator Name	Status	Network Type	Select	PLMN
EE	Available	4G	☐	23430
O2 - UK	Forbidden	3G	☐	23410

DHCP & DNS

The DHCP & DNS option allows setup of manual IP ranges and DNS settings.



DHCP & DNS

IP Address

192.168.8.1

Subnet Mask

255.255.255.0

DHCP Server

☐ Disable

☒ Enable

Only adjust these manually if you are familiar with DHCP & DNS settings. It is recommended that these remain on DHCP as default.

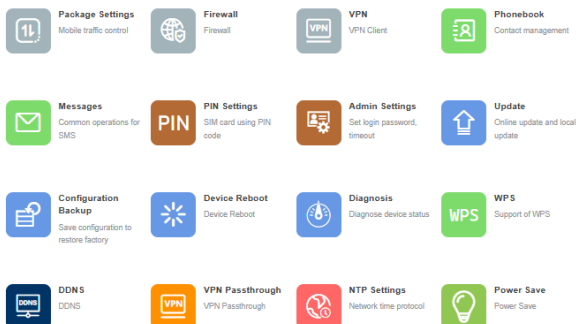


WEB-UI DASHBOARD - APP MODULE

DEVICE MANAGEMENT

The Device Management section of the APP Module provides some additional tools such as VPN settings, Firewall configuration, Firmware Upgrade, Device Configuration Backup and Admin Settings.

Device Management



Package Settings:	Customise network and performance
Firewall:	Configure Firewall settings
VPN:	Configure VPN client settings
Phonebook:	Contact Management from SIM card
Messages:	Manage & view SIM card SMS messages
PIN Settings:	Enable & manage SIM card PIN lock
Admin Settings:	Set a new Admin Username and Password.
Update:	Perform a Firmware upgrade on the router.
Configuration Backup:	Backup the current settings from the router.
Device Reboot:	Prompts a reboot of the router.
Diagnosis:	Diagnostics tool to check for issues
WPS:	Additional settings for WPS Wi-Fi mode.
DDM3:	Update IP addresses within the domain.
VPN Pass-through:	VPN Pass-through settings.
NTP Settings:	Synchronize clock with NTP server
Power Save:	Power saving settings for inactivity

CONNECTING TO EXTERNAL ANTENNAS

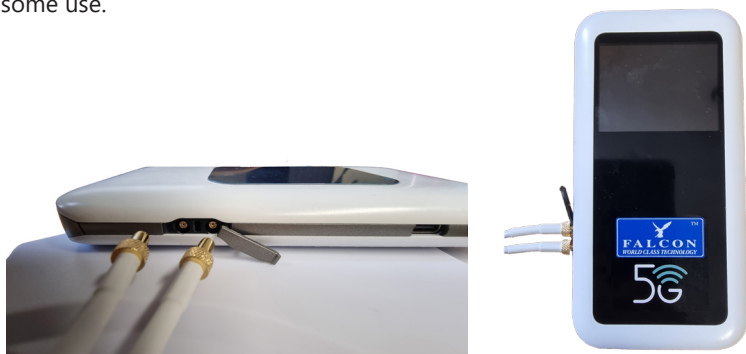
The 5G router features 2 x TS9 external antenna inputs on the side of the device. These can be used to connect to an external antenna for improved signal reception when the device is being used in an enclosed environment.

To connect an external antenna, lift the flap on the left hand side of the device to expose the 2 x TS9 ports.



TS9 connections simply push in and pull out to remove. Either of the cables can be placed in each of the ports.

Note: When inserting or removing for the first time these may be quite a tight fit. Ensure note to force or damage the pins. These will ease up after some use.



*Please note that when removing the cables from the router, gently pull using the TS9 connectors rather than the cable to avoid damaging the cables.



USING AN E-SIM WITH THE ROUTER

USING AN E-SIM

The router can also be used with and e-SIM. An e-SIM (embedded SIM) is a digital SIM that, unlike traditional SIM cards, is built directly into your smart phone. This technology allows you to activate a mobile data plan without physically inserting a SIM card into your device.

To use the e-SIM function with the router you will firstly be required to download an APP. The APP can be used on an android / iOS device. To download the APP, Scan one of the below QR codes.

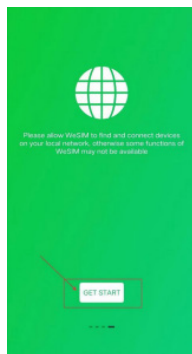
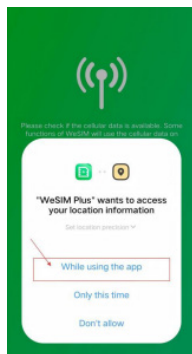


ANDROID
Google Play Store



iOS
Apple APP Store

Download and install the APP to a relevant device (Smart Phone / tablet). During the installation of the app, there will be a prompt for permissions, Please ensure that these permissions are granted, these permissions allow the APP to communicate with the eSIM device. If denied, you may not be able to complete subsequent steps.

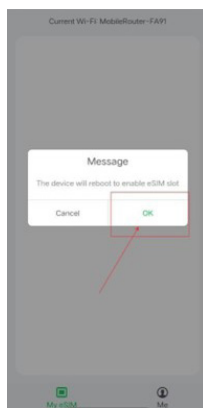
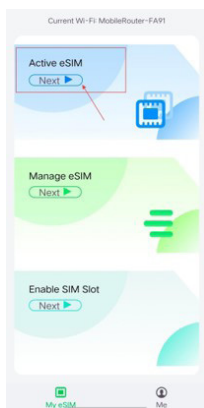
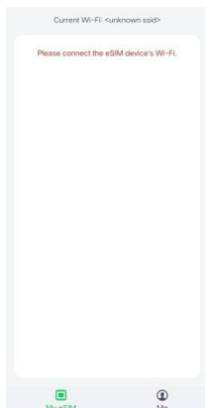


USING AN E-SIM WITH THE ROUTER



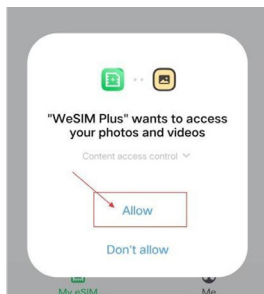
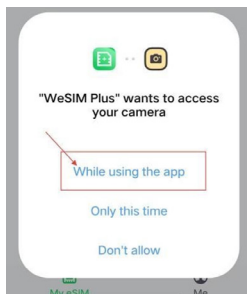
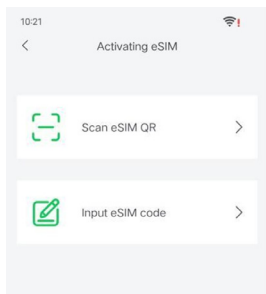
Before opening the APP, ensure that the device is connected to the 5G Wifi via WiFi. If the device running the APP is not connected to the router via Wi-Fi, it will not be able to activate or manage the E-SIM.

Open the APP and navigate to **Active eSIM**.



If the router is in Physical SIM slot mode, the router will restart to enable the eSIM slot mode. If this happens, let the router reboot and then reconnect with the APP and navigate to **Active eSIM**.

There are 2 ways to activate the eSIM on the router. Either Scan the QR code on your eSIM details from the provider or input the eSIM code.



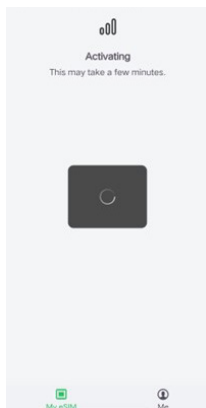
If Scanning QR, allow permissions to enable the camera to scan the QR.



USING AN E-SIM WITH THE ROUTER

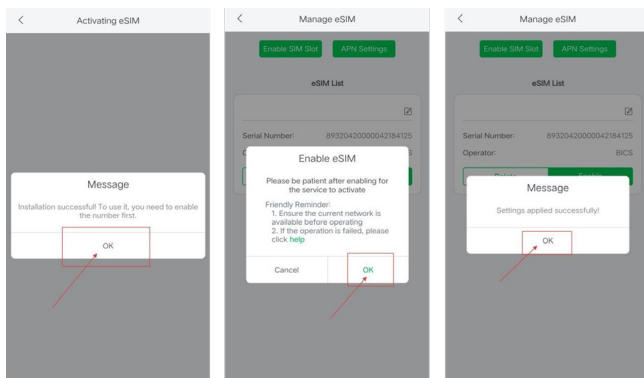
If inputting the code manually, check the information from the SIM provider and input the eSIM activation code.

After activation, the APP enters the loading phase. The eSIM configuration file begins to download. This may take a few minutes to complete.



Note: During the installation of the configuration file, please do not exit the APP as this may result in an unsuccessful activation and the process may have to be started again.

Once the configuration is completed, a message will prompt to advise that installation is complete and will ask to enable the eSIM. Click OK.



Once the eSIM has been enabled a message will advise that the settings have been applied successfully

USING AN E-SIM WITH THE ROUTER



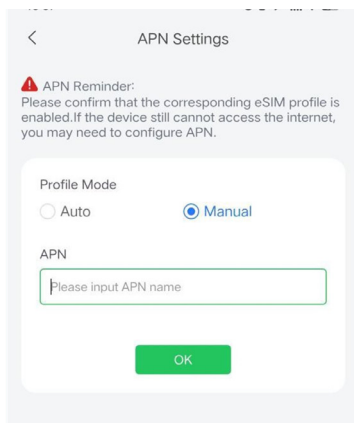
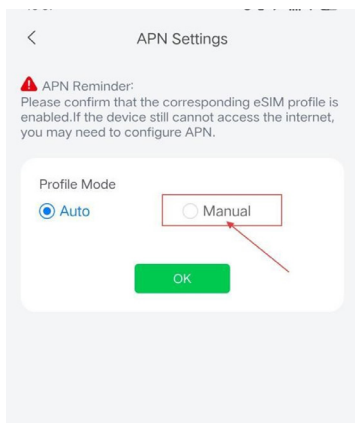
With the e-SIM now successfully set up, test the connection to the internet provider.

If the internet & 5G/4G signal is unavailable, the router may require a manual APN profile to be set up for the e-SIM service provider.

Ensure that the router is again connected Via Wi-Fi to the 5G router.

Open the **WeSIM APP** and navigate to **Manage eSIM** and click on **APN Settings**

Change the **Profile Mode** to **Manual** and enter the service providers **APN Name** (This information can be obtained from the SIM card provider)



The router should now be configured for the eSIM and ready to use.

If the router is still not finding a connection to the internet after the eSIM setup has been completed, contact your eSIM provider to ensure details are correct.



TROUBLESHOOTING

Issue: The router does not power on

- Ensure that the router has been charged before powering on.
- Ensure that you hold the power button until the start-up screen appears.
- Check the power source to the USB cable. If required try a different USB-C cable

Issue: The router is not connecting to the internet.

- Check that the SIM card is inserted correctly
- If using a Pay As You Go SIM card, ensure that there is credit and also a data bundle / allowance on the SIM card
- Ensure that the SIM card has been activated with provider.
- If the Network Operator is showing on the router display but not connecting, try to set the Network Providers APN settings Manually (See page 23-24 for details)

Issue: The WEB-UI Dashboard is not opening in the browser window.

- Ensure that the device is connected via Wi-Fi to the router.
- Clear the cookies and caches of IE browsers.
- Close all IE browsers and Open again.
- Check the name and password of administrator is correct.
- Remove and then insert 5G Mobile Router, or restart the computer.

Issue: The router is not picking up 5G, only 4G

- Ensure that you have a 5G ready SIM in the router and is activated.
- 5G may only be available in certain areas currently where masts are active. Where 5G is not available the router will fall-back to 4G automatically.
- Ensure in the Network settings that the router is not only looking for 4G connections - Check Network Mode in the Network Settings of the WEB-UI Dashboard.

For further assistance, contact Falcon Product Support via email at cs1@falcontech.co.uk or support@falcontech.co.uk



FACTORY RESET

If none of the troubleshooting suggestions are successful or if you wish to clear the current settings, a factory reset can be performed.

Note. A factory reset, clears all data and configurations and returns to its factory settings state.

To perform a Factory Reset, open the SIM tray flap and locate the reset button marked Reset.



A pin or similar will be required to press the reset button. With the router powered up, press the and hold the Reset button for up to 10 seconds.

The router will restart and will be returned to its factory settings. This includes Wi-Fi Passwords, SSIDS, Network configurations and also WEB-IU dashboard admin settings.

The Default Settings for the 5G router will be as follows:

2.4GHz SSID:	Falcon 5G_2.4GHz
5GHz SSID:	Falcon 5G_5GHz
Default Password:	Falcon_99
Default WebUI Username:	admin
Default WebUI Password:	Falcon_admin

These settings can be changed and customised again by logging into the WEB-UI Dashboard by connecting a device to the router by the default Wi-Fi settings above and opening a browser window and typing the following -192.168.8.1



TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Below is a list of technical specifications for the 5G portable router.

TECHNICAL SPECIFICATIONS	
Cellular Network	5G with 4G Fall-back
Transfer Speeds (Up To)	NSA Mode: Downlink: 3.4Gbps (Sub-6) Uplink: 550Mbps (Sub-6) SA Mode: Downlink: 2.4Gbps (Sub-6) Uplink: 900Mbps (Sub-6)
Wi-Fi Supported Bands	Wi-Fi 6 - 2.4GHz & 5GHz
WPS Supported	Yes
Wi-Fi Standard	Wi-Fi 6
Encryption Type	WPA2-PSK, WPA3, WPA-PSK
Max. LAN Data Rate	1900Mbps
Battery	4500mAh Li-Ion Quick Charge
Charging Input	Type-C, USB3.1
Display	2.4 Inch TFT LCD
Antenna Inputs	2 x TS9 (Female)
SIM Card Compatibility	Nano, push slot, eSIM
Max Wi-Fi Connections	Up To 32 Devices
Dimensions	138×72.4×17 mm
Weight	200g



If the user manual is required in other languages, a digital copy can be accessed and downloaded using the below QR Codes.



Wenn das Benutzerhandbuch in anderen Sprachen benötigt wird, kann mithilfe der unten stehenden QR-Codes auf eine digitale Kopie zugegriffen und diese heruntergeladen werden.



Si le manuel d'utilisation est requis dans d'autres langues, une copie numérique peut être consultée et téléchargée à l'aide des codes QR ci-dessous.



Si se requiere el manual del usuario en otros idiomas, se puede acceder y descargar una copia digital utilizando los siguientes códigos QR.



Se il manuale utente è richiesto in altre lingue, è possibile accedere e scaricare una copia digitale utilizzando i codici QR riportati di seguito.



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besuchen.