EVO 4G Roof Mount 4G Booster

USER AND INSTALLATION MANUAL

Omni-directional Antenna

Router

4G

WiFi

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WORLD CLASS TECHNOLOGY

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Congratulations on your new purchase and welcome to the world of the Falcon EVO 4G Internet

This guide will take you through the process required to install and setup your new 4G booster.

Please note that it is important to retain your receipt or proof of purchase so that we are able to assist and deal with any enquiries you may have.

For more information on our products please visit our website: **www.falcontechnology.co.uk**

Get in touch

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Package Contents

Thank you for purchasing the Falcon EVO 4G, the easy to use 4G Booster. With your purchase you will find the following contents:

Roof Mount Antenna

4G Router

Router Docking Station

12V Power Lead

Antenna Installation

Mounting requirements and selecting location
Select a mounting location. Ensure that there is adequate under panel clearance and there is no cross brace present. Measure to check for central position if applicable.

If the antenna will be mounted co-located with other antennas or roof mounted equipment please try to ensure at least 30cm (12") of clearance around the 4G antenna in order to avoid de-tuning and interference issues.

Prepare and drill hole
Mask the panel area around the hole position to protect the paintwork. Drill a pilot hole and then increase the hole diameter to 20mm.
Remove any swarf and clean the area around the hole thoroughly so the antenna can properly adhere to it. If the surface is metal apply some petroleum jelly or paint around the hole to prevent corrosion.
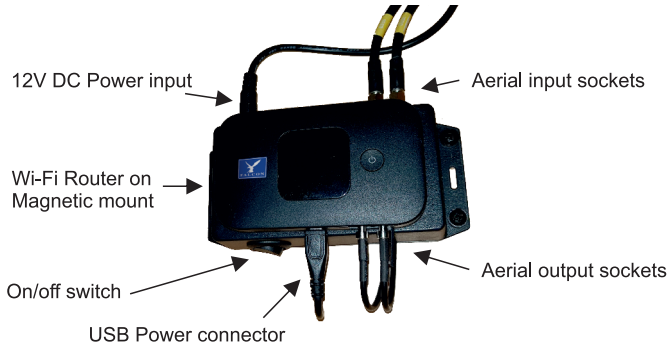
Fitting the antenna
Remove the protective backing from the underside of the antenna and feed the cables and threaded rod through the panel.

Position the antenna over the hole and stick the antenna to the panel by applying firm downward pressure. Assemble the nut and washer from the underside and tighten.

We advise sealing around the edge of the antenna with a sealant such as Sikaflex.

Docking Station Installation

12V DC Power input   Aerial input sockets

Wi-Fi Router on
Magnetic mount

On/off switch

Aerial output sockets

USB Power connector

Mounting the docking station
Position the docking station in an accessible location and in reach
of the cables coming from the antenna.

Connect the cables from the antenna to the screw thread sockets
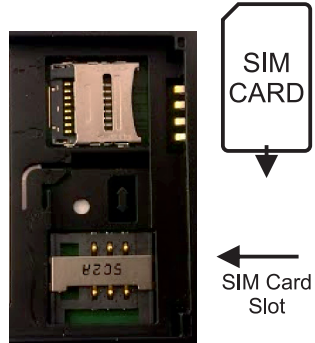on the top of the router docking station.

Power connection
Plug the 12V power lead into the socket on the top of the router
docking station and connect the red wire to a fused +12V source
and the black wire to a ground point.

Router Setup
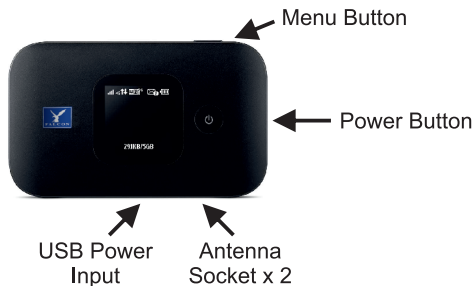
Inserting the SIM Card & Battery
The back of the device can be removed to reveal two slots, the larger of which is the SIM card slot. Insert the SIM card face down with the cut corner in the same position as on the marking. Once the SIM has been inserted under the retaining bar, insert the battery and replace the back cover.
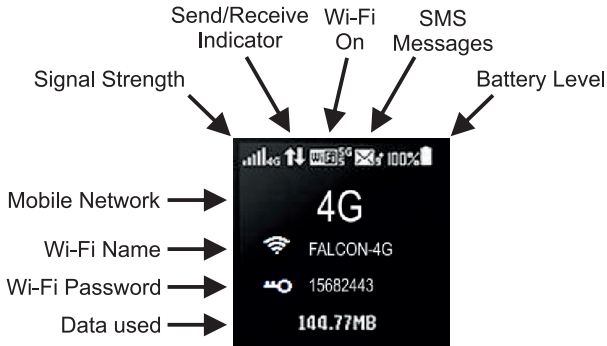

SIM CARD

SIM Card Slot

Connect the router to the docking station
Locate the antenna sockets on the router which are hidden under a rubber flap on the bottom. Connect the two antenna output leads at the bottom of the docking station to the sockets on the router, it doesn't matter which way round they go.
Next insert the USB lead into the bottom of the router, it will only go in one way so rotate it 180 degrees if it doesn't insert easily.

You can now mount the router on the docking station magnetic mount and switch the docking station on with the switch on the bottom. The light on the switch will light up red to indicate it is switched on.

Menu Button

Power Button

USB Power Input

Antenna Socket x 2

Router Display

Send/Receive
Indicator
Signal Strength
Wi-Fi
On
SMS
Messages
Battery Level

Mobile Network
Wi-Fi Name
Wi-Fi Password
Data used

4G
FALCON-4G
15682443
144.77MB

The router display

Mobile Network - This is the name of network you are connected to. The router is completely unlocked so will work on any network using a contract or Pay As You Go (PAYG) SIM card.

Wi-Fi Name - This is the name of the Wi-Fi network you need to connect your phone/tablet/computer etc. to.

Wi-Fi Password - This is the password you will need to enter when connecting to the Wi-Fi network.

Signal Strength - Indicates the strength of the signal and if you are connected to a 4G, 3G or 2G connection. You want 4G or 3G as 2G will be very slow.

Send/Receive Indicator - Indicates when data is being uploaded or downloaded.

Wi-Fi On - Shows that the Wi-Fi is turned on.

SMS Messages - Indicates if there are any messages waiting for you.

Battery Level - Shows the level of the routers built in battery.

Connecting your devices to the 4G system

Connecting your phone, tablet, computer or other Wi-Fi devices to the router is the same as for connecting to any other Wi-Fi network, just connect to the Wi-Fi network name shown on the router display and enter the password shown on the display.

Enabling roaming for use abroad

If you are going to be using the 4G system abroad then you will need to enable roaming as follows:

1. Power the router on.

2. When it has started up press the menu button on the top 7 times until the DATA ROAMING option is highlighted on the display.

3. Press the Power button on the front of the router until a tick shows in the box.

Don't enable "WiFi Extender Mode" as this will disable the 4G connection.
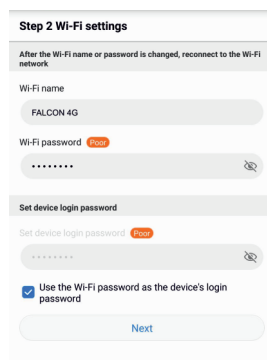
Advanced Use (optional)

There are additional settings that can be access using an app on an Apple or Android smartphone or tablet. This will allow you to view your data usage in more detail, see what devices are connected and change the Wi-Fi name or password.
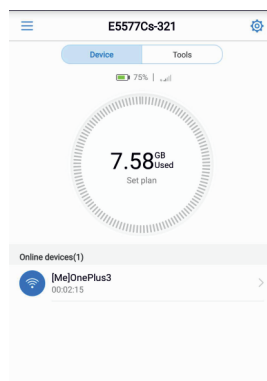
To install the app search for the HiLink app with the icon shown on the right.

Once installed make sure you are connected to the routers Wi-Fi and open the app, it will automatically log you in and show you the splash screen with a Set up button at the bottom, press this button and you will be given the option to change the WiFi network name and password if you wish. Press Next to continue.

Press Start on the following screen and you will now see the screen on the right that shows how much data you have used, battery and signal level and the devices that are connected to your router.

Press Set plan to set how much data you have on your plan so that it will show you how much you have left.
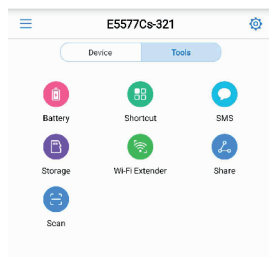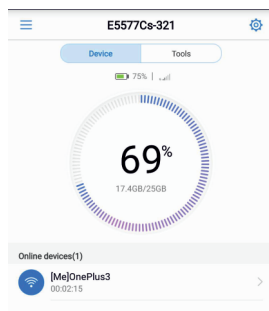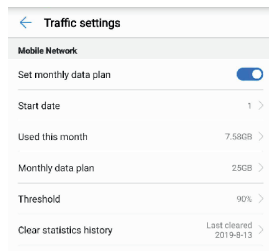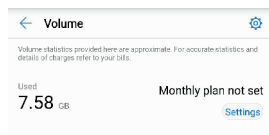
To set your data plan details press the Settings button.

Set the "Start date" to the day of the month that your data allowance resets and "Monthly data plan" to your data allowance.

Go back and you will now see your data usage expressed as a percentage with the amount used and data plan size below.

Additional Tools

Press the Tools button to access some additional tools such as detailed battery level and sending and receiving SMS messages.
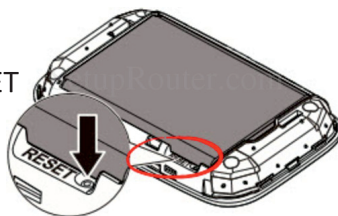Do not enable the Wi-Fi Extender function here as it will disable 4G.

Troubleshooting

No Internet Connecon
1. If you can connect to the Wi-Fi but have no internet first make sure that you have not used all of your data allowance. If possible verify the SIM is working in another device.

2. If you are abroad make sure you have enable roaming as described on page 7.

3. Make sure you have not enabled "WiFi Extender Mode" as this will disable the 4G connecon.

Reset the router to factory defaults
If you find that a change you have made prevents the device from working as intended there is a RESET button under the battery cover to reset everything back to factory settings. Press and hold the button while the turning the router on until the startup logo is displayed.

Sll having problems?
Call us on 01928 759 239 or email at support@falcontechnology.co.uk and we will be glad to help.

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