

Cable Guide

SimRush One Omni

The SimRush One Omni is a 4G LTE controller / router for your network which gives you WiFi outside and inside your premises.

This model comprises two hardware devices;

1. the “Omni Outdoor Unit” an omni-directional CAT6 LTE modem with integrated antenna, mounted external to the premises, and
2. an “ AP One” a WiFi access point, located internally to the premises.

It is pre-configured to work out of the box and managed through the SPANEL web portal.

For ease of install the SimRush One Omni is shipped with a 5M ethernet cable which is pre-terminated at both ends. If you wish to supply your own, then please note only Cat5e external grade cable should be used.

(N.B the SIM is pre-installed into the unit as standard.)

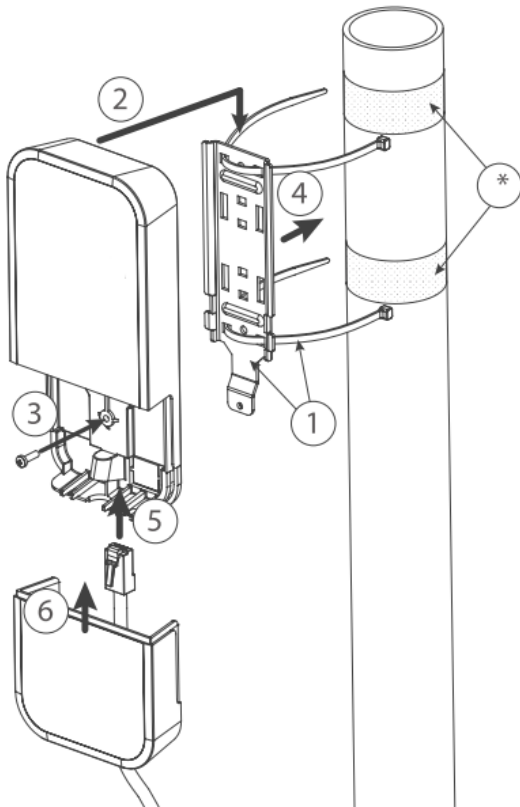
Pre-requisites

1. You will need to drill a hole from the outside to the inside of your premises in order to pass a cable through. This needs to be 15mm in diameter.

Instructions

2. Decide on the correct mounting option for the Omni Outdoor Unit – Either Pole mounted, or Wall mounted.
 - a. Pole Mounted – Pole mounted is recommended in most locations as the additional height will help achieve a strong/reliable connection.
 - b. Wall Mounted – If there is a very strong 4G signal in the area, wall mounting the device is an alternative and discreet option.

Please see next page for mounting instructions.

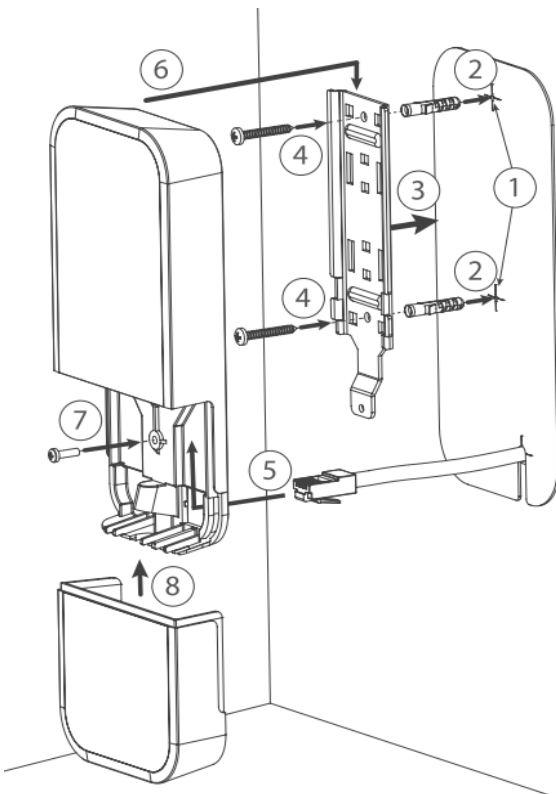


Pole Mounting

Pole Mounting

* It's recommended to use electrical tape to increase friction between materials.

- 1) Mount plastic tie straps to steel brackets guiding them through holes.
- 2) Mount bracket to the device.
- 3) Secure them with a screw.
- 4) Mount and align the device on the pole or mast.
- 5) Guide Ethernet cable through the opening and connect to the Ethernet port.
- 6) Close bottom latch and secure with a screw.

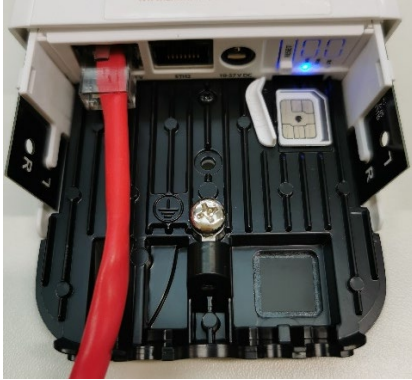


Wall / Surface Mounting

Wall / Surface Mounting

- 1) Use included template to mark spots for drilling holes.
- 2) Insert dowels if needed, depends on wall structure and material.
- 3) Place included a steel bracket on the wall.
- 4) Use screws to secure it in place.
- 5) Extend your Ethernet cable through the opening and connect to the Ethernet port.
- 6) Mount the device on the steel bracket
- 7) Secure it in place with the screw.
- 8) Close bottom latch.

- Using the supplied pre-terminated 5M ethernet cable, connect one cable end to the Omni Outdoor Unit Port 1 (the Ethernet socket far-left port of the Omni Outdoor Unit as shown below)



- Feed the other end of the supplied pre-terminated 5M ethernet cable through the hole in the wall.
- Connect the other end of the supplied cable (which has been fed through the wall from the Omni Outdoor Unit) into Port 5 of the AP One which is the far-right port, this will provide power and data to the Omni Outdoor Unit.
- Plug in the supplied 24v 1.2a power supply into the AP One power port on the left hand side.

Once the above steps have been completed you are ready to get online!

Please see Cabling Overview on next page

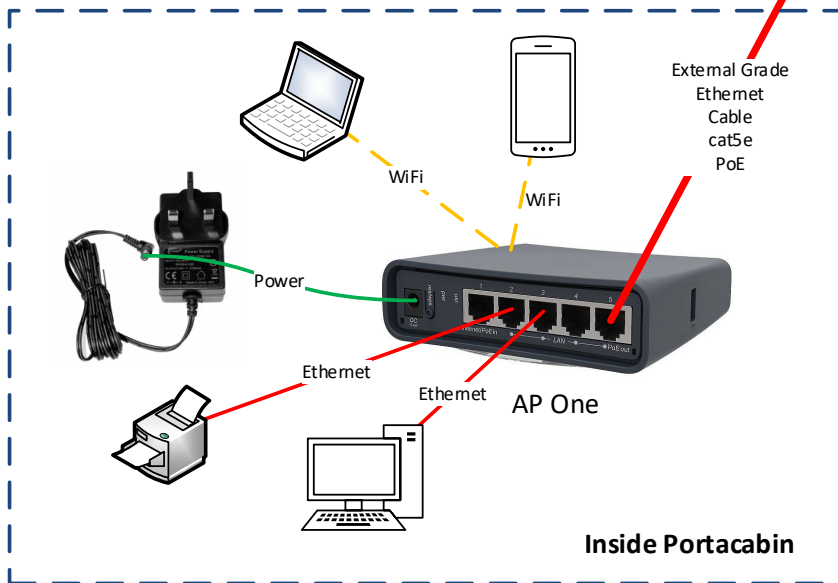
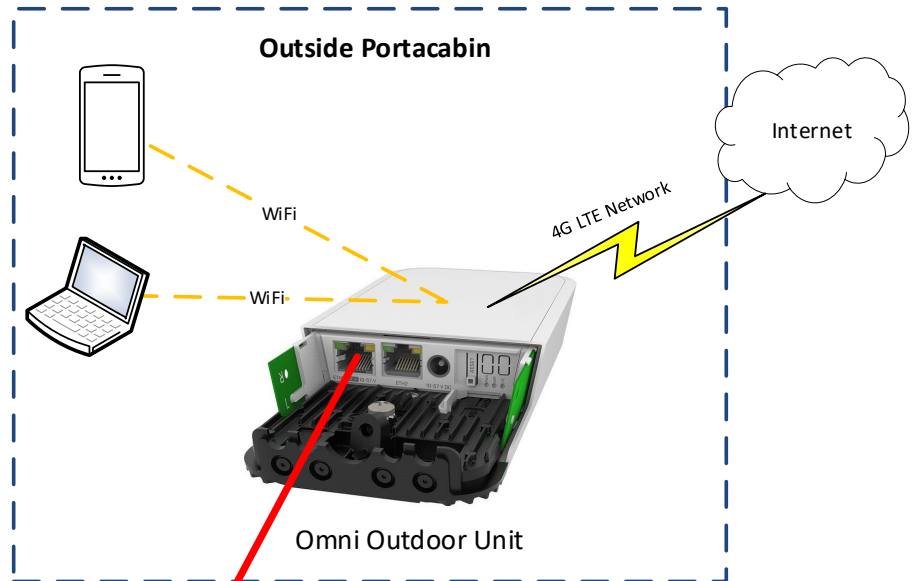
The wireless will automatically start broadcasting once both devices are connected & powered on, Please see below for steps to join the WiFi.

- Wireless – Default wireless is “SimRush-xxxxxx” and the Serial number as the password, e.g AABBC112233 – Serial number is located on the box or back of the controller, and is all characters before the “/123”
- To make changes to the LAN address or Wireless settings, please visit SPanel: <https://portal.simrush.com/>



Cabling Overview

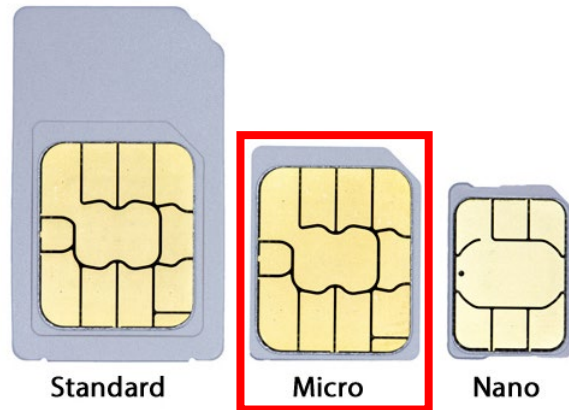
Connect Ethernet cable from port 5 on AP One to Port 1 on Omni Outdoor Unit



Use supplied 24v 1.2a Power pack to power AP One which will deliver power on Port 5 to power Omni Outdoor Unit on exterior of Portacabin

Please retain the below for future reference if you need to remove/replace the SIM or change the APN to another carrier

1. Ensure the SIM (if not pre-installed) is inserted correctly.
 - a. The Omni Outdoor Unit uses a “Micro” SIM size.
 - b. It is inserted to the Right side of the unit, Metal SIM side UP and with the cutout corner toward the Right side of the unit.



2. Use the following steps to access the Omni Outdoor Unit to make changes to APN settings or check SIM/Carrier status information:
 - a. Ensure you are connected to the local network.
 - b. Using a browser, browse to <http://192.168.10.1/>
 - c. Login details are, Username: **installer** , Password: **blank** (There is no password set)
 - d. Once you have logged in, the main status page will show you the current carrier/APN information along with signal information.
 - e. To Change the APN:
 - i. At the top left corner, click “Interfaces”, the page will refresh.
 - ii. You will need to then click on “lte1” under the name column, the page will refresh again.
 - iii. Under the “General” section, click on the dropdown on the line for “APN Profile” – by default this will be set to EE, click the down arrow “V” which will list other carriers which are pre-generated in the list.
 - iv. Select the desired carrier, then click apply/OK at the top of the page.
 - f. Further information about the Outdoor Unit settings can be found on the SimRush FAQ’s section of the SimRush website: <https://www.simrush.com/about-simrush/faqs/>

