

Omni-Route® Mini Mark 2 (“Mini”) - Quick Start Guide

Introduction:

The Mini provides enhanced mobile connectivity, via its nominally 100 metre WiFi hotspot.

Case Contents:

- Single modem router with 2 SIM cards – one for failover – set to use either, based on connectivity.
- Two cellular Hi gain MiMo and a WiFi antenna in the lid.
- A 10 Ah LiPo battery, with inbuilt battery management system, to prevent overcharge or overdischarge and to ensure controlled, balanced charging, for safe operation.
- A printed circuit board to manage the internal electrical installation, with auto-resetting electronic fuses.
- A GPS antenna.

A separate pouch is supplied that contains a 3 Amp mains charger and a 1 Amp in-vehicle charger.



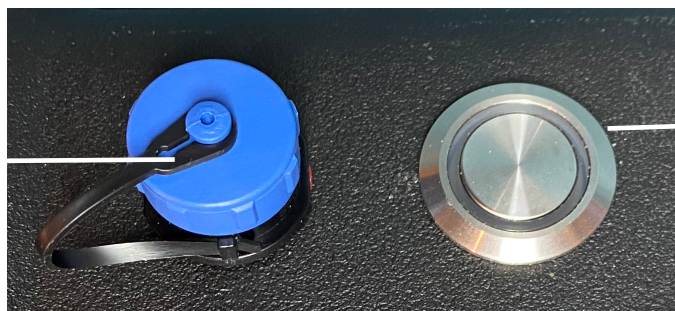
Take the Mini with you when you are on-the-move and it can reduce “not-spots” and deliver greater operational resilience, when you use your smart devices to access emails, VoIP, Internet and e-messages.

Please note: There is always a balance between the WiFi range (the connection between the Mini and the laptop, tablet, or smart phone in use) and the cellular connection. The Mini can be left in a vehicle but this limits the user to being no more than 100 metres from the vehicle. The Mini has been made light enough to allow it to be taken out of the vehicle and to be used indoors or outdoors, as required. With the case closed and the power input connector cover on, the Mini can be used in the rain but the unit should not be immersed. As with all electronics, please do not operate for prolonged periods in direct sunlight.

Operation:

The Mini is switched **ON** and turned **OFF** using the push button switch, with LED indicator, on the left side of the case, as shown. Note, the system can take 2-3 mins to establish initial connections.

SURFACE
MOUNT
CONNECTOR
FOR THE
CHARGER



ON / OFF BUTTON



Once the Omni-Mini is turned on, it will receive stronger signals when the unit is upright (handle at the top) as the Hi gain antennas are in the lid. However, in most scenarios, the orientation is not critical.

If the Mini is in a vehicle, it should be carried in a safe location, to prevent injury in the event of an emergency stop or a collision. The unit will work best if the lid is upright and facing a window, rather than its being surrounded by the metal of the car.

Connecting to WiFi:

The Omni-Route® Mini has a WiFi range of up to 100 metres depending on the type of laptop, tablet or smart phone being connected, any obstructions, such as buildings, and the local terrain.

To log-on:

The network name (SSID) – set by customer and TWL.

Password – contact your administrator.

Once a device is set up, it should retain the network and password for future use.

Once the WiFi connection is made from a laptop/pc, phone or tablet, the user can then access internet, emails, WiFi calling (VoIP) and other services, using the Mini as a hotspot.

Additional WiFi networks (SSID's) are available if required.

Charging the battery:

The battery has inbuilt safety circuits. **You must only use the chargers supplied by TWL.**

The connection can only be made in one orientation, with the white spot on the 2 ends aligned, and should not be forced. DO NOT OVERTIGHTEN.

The unit should be stored with a charged battery and not left for longer than 3 months before re-charging. The chargers show green when not connected or when the battery is fully charged and red when charging. Disconnect the Mini from the mains charger once the light has gone green and the internal battery is fully charged.

The Omni-Route® Mini uses less than 0.5 Amps, on average, but is rated for 12 Watts maximum, equivalent to a maximum current of 1 Amp. At 0.5 Amps, the unit can run for a minimum of 20 hours on a single full charge but more on standby. The design is based on use on internal power for a 12-hour shift. As a rule of thumb, about 6 hours operation can be achieved for each hour of mains charging.

NOTE: When the Mini is switched on, the vehicle power supply will maintain the supply to the router and will slowly charge the battery but remember that vehicle power sockets are usually linked to the ignition.

There are 2 internal, electronic fuses that auto reset – 3 Amp charge and 1 Amp load.

Special Notes:

1. TWL can make recommendations on network selection and the router can have 2 of the 4 networks available, initially O2 and EE. The Mini is delivered with the router set to enable the use of either network with no preference. TWL can edit these settings.
2. TWL will fit the SIM cards.
3. The Mini is a sealed unit and need not be opened

Technical support:

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