

Status Light Indicators



Power-up and Reboot:

On power-up or reboot, all LEDs turn red, then amber, then green. They then go through a blinking sequence that ends with the Power LED green and all the other LEDs off. Once the rest of the LEDs resume normal behaviour the power-up or reboot is complete.

Power light behaviour (Shows if you have a GPS fix)

OFF	No power supplied between 36 VDC and 9 VDC
Solid Green	Modem is connected to power and has finished power up
Flashing Amber/ Green	Modem has a GPS Fix, and can receive RTK corrections
Solid Red	Gateway is not operational (failed or low power mode)

Signal light Behaviour (shows how strong your cell signal is)

Solid Green	Good cell signal (better than -85 dBm)
Solid Amber	Marginal cell signal (between -85 dBm and -100 dBm)
Solid Red	Poor cell signal (worse than -100 dBm)
Flashing Red	No cell signal reception

Network light Behaviour (Shows if you are connected to a cellular provider)

Solid Green	Receiving LTE from your provider
Flashing Amber/Green	Receiving 3G from your provider
Flashing Amber	No cellular service from provider available
Solid Amber	Currently connecting to the cellular network
Solid Red	SIM card error or there is no cell network.

Activity light Behaviour (shows if modem is talking with receiver/ PPN server)

Flashing Red	Modem is talking with SF receiver (being developed)
Flashing Green	Modem is using cell data (Indicates talking to PPN server)
Flashing Amber	The modem is using cell data and talking to the SF receiver at the same time. (being developed)

Normal operation of the LED Indicators when receiving RTK corrections

- **Power light will be Flashing Amber/ Green** (means modem has a GPS fix so we can send the right RTK corrections to you, check the PPN GPS antenna connection if this is not flashing after the modem has finished booting up)
- **Signal light solid Green or Amber** (means you have a decent cellular signal)
- **Network light solid green or flashing amber/green** (there are other behaviours of these lights regarding network roaming, but this is what you should see)
- **Activity light flashing red, green and occasionally amber**, this feature is currently under development and should be finished soon. Currently the activity light only flashes green.