Siretta

Enabling Industrial IoT

QUARTZ-GOLD

Quick Start Guide

Rev 1.1

Whats in the Box?

This quick start guide is intended for the Siretta QUARTZ-GOLD Series Routers.

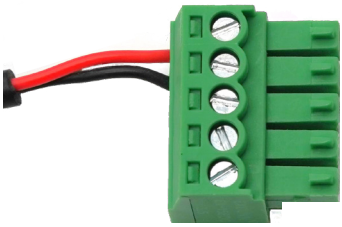
Common Accessories

If you ordered a router with accessories, you will also receive the following items:

Ethernet Cable

Power Adaptor

Cellular Antenna



Power Cable and Connector

The QUARTZ-GOLD DIN Rail adapter does not come as a standard part of the accessories kit, but is available separately. Please specify when ordering

Optional Accessories

If you ordered a router with accessories and have opted for either WiFi and/or GPS variants, then you will also receive one or both of the following items:

WiFi Blade

(For routers with Wi-Fi antenna)

GPS Antenna

(For routers with GPS option)

Additional Items

You will require the following items for configuring your router:

» 3G or 4G SIM card with APN details

» Paperclip or SIM card Removal Tool to eject the SIM tray

» PC to configure the router

NOTE - Please ensure your antenna and SIM card are appropriate for the router you are using.

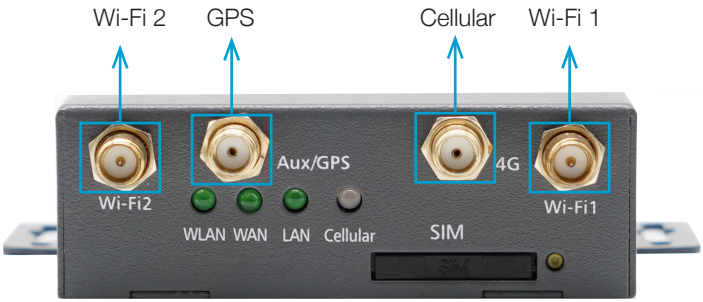
Step 1: Use a paperclip or Sim Card Removal Tool to eject the SIM tray on the router.

Step 2: Insert a SIM card into the SIM tray. Close the SIM tray, ensuring it is seated back in place.

Step 3: ANTENNA CONNECTIONS: Screw the cellular antenna to the main antenna connector on the router. Twist the antenna connector clock-wise until the antenna is firmly connected.

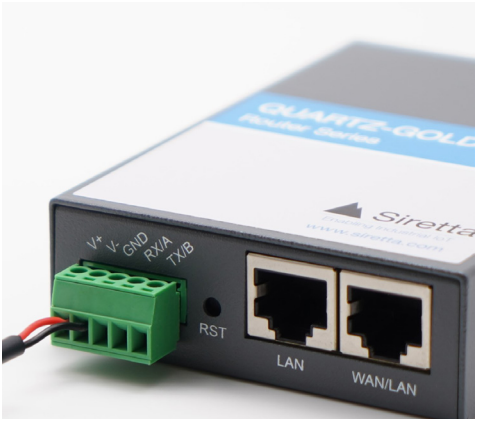
Connect the 2 Wi-Fi antennas marked “Wi-Fi1” and “Wi-Fi2” by twisting the antenna connector clock-wise until the antenna is firmly connected.

If you have a GPS router, connect the GPS antenna to the GPS connector on the router.



Step 4: LAN CONNECTION: Connect one end of the Ethernet cable into the router LAN port, connect the other end of the cable into an Ethernet port on your PC.

Step 5: POWER: Plug the green power connector on the power adapter cable into the router as shown below. Plug the 2.1mm centre pin connector from the plug-top power supply in to the other end of the power adapter cable.



Step 6: POWER: Select connector type for your power adaptor depending on your geographical location (UK/EU/USA/AU). Plug the power adaptor to the mains.

Step 7: POWER: Switch on the power. See table below for LED indications when router is powered on.

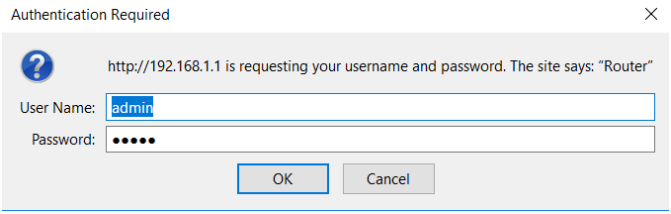
Table 1. Router LED indication

Label	Colour	Status	Indication
Cellular	Red	Fast blink (0.5s)	Cellular offline
	Red	Slow blink (1.0s)	3G / UMTS connection online, poor cellular signal
	Red	Solid	4G / LTE connection online, poor cellular signal
	Green	Slow blink (1.0s)	3G / UMTS connection online, good cellular signal
	Green	Solid	4G / LTE connection online, good cellular signal
WLAN	Green	Off	WLAN not enabled
	Green	Fast blink	Data transfer
	Green	Solid	Enabled, no data flow

Table 1. Router LED indication continued

Label	Colour	Status	Indication
	Green	Off	Not connected
LAN / WAN	Green	Blinking	Data transfer
	Green	Solid	Connected, no data flow

Step 8: LOG IN: Obtain the default IP address, username and password of your router. You can find this on the silver label on the back of your router. Type in the IP address of your router into your PC browser. When prompted for your username and password use the following:



These credentials are factory defaults. You can set your own user name and password in the router settings.

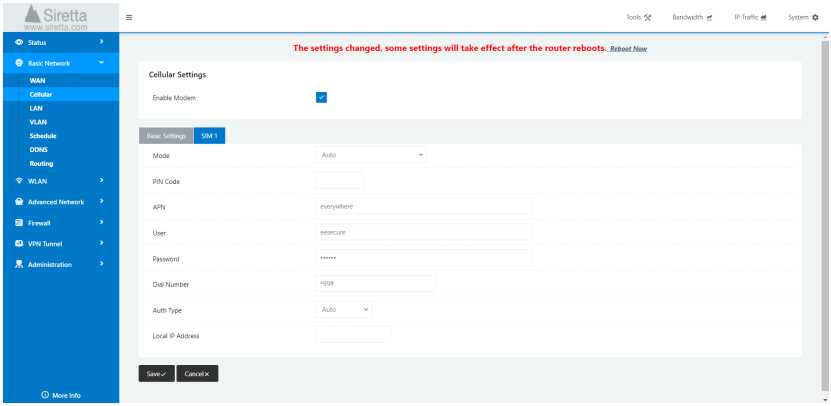
Step 9: APN SET-UP: On successful login, navigate to the Basic Network > Cellular tab.

When you arrive at the ‘Cellular Settings’ page, you will need to enter the APN details for the network provider of your SIM card.

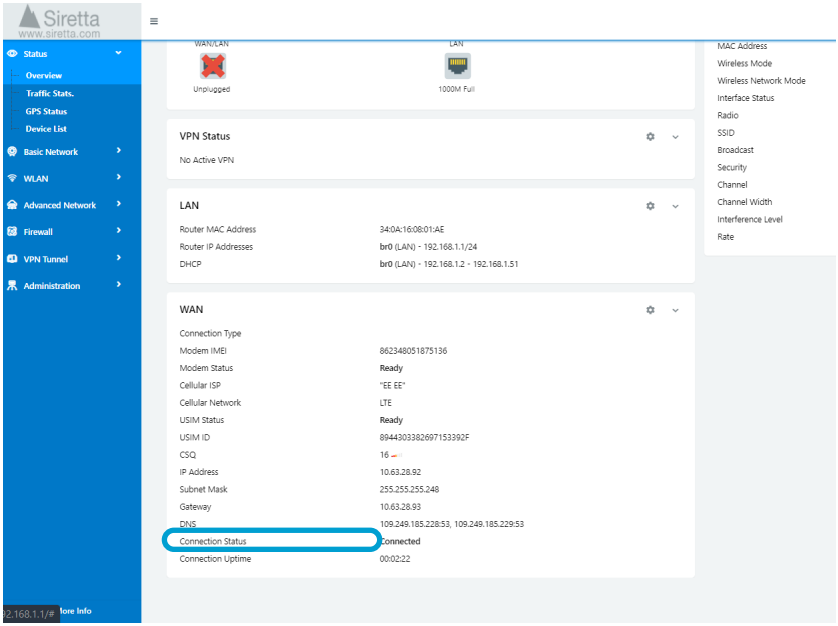
In the image below, we have used the APN details relevant for “EE”. These being:

- APN: everywhere
- Username: eesecure
- Password: secure

You are not required to enter any ‘Proxy’ or ‘Port’ details.



Step 10: CONNECTING TO NETWORK: Click “Save”. Your router will reboot itself. The router will then connect to the network and is ready for use with your application.



NOTE - If you cannot access the router GUI, please check your local area network settings.

Further Information

For more information when using your router, a range of application notes, hardware and software user manuals are available to download. You can request these from your Siretta representative, alternatively these can be downloaded from www.siretta.com

Siretta

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sales +44 (0)118 976 9000
email sales@siretta.com

www.siretta.com

Siretta Ltd
Basingstoke Road
Spencers Wood
Reading
Berkshire
RG7 1PW
United Kingdom

Company No. 08405712
VAT Registration No. GB163 04 0349

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