golmar

4G LTE Router

USER MANUAL

R-4GLTE (31600457)

The R-4GLTE can operate as an outdoor 4G Router or as an outdoor Wi-Fi Access Point.

The default operating mode is 4G Router.

SAFETY INSTRUCTIONS

Please read these instructions carefully before installing or operating the equipment. Keep this manual for future reference. Failure to follow these warnings may result in personal injury, property damage, or malfunction of the device.

- Use only the power supply specified by the manufacturer.
- Do not operate the equipment with damaged cables or handle the equipment with wet hands.
- Avoid overloading sockets or power strips.
- Install the router outdoors, in a ventilated area and protected from heavy rain, extreme sun or snow.
- Make sure the router case is tightly sealed after installation.
- Secure the equipment to a stable surface with the included cable ties or wall plugs.
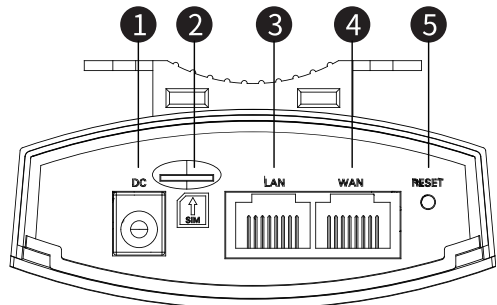- Do not install near heat sources or corrosive fumes.

CONTENT

Open the package and make sure that all accessories are included:

- 4G LTE Router model R-4GLTE
- 24Vdc/0.5A PoE Injector
- Power cable
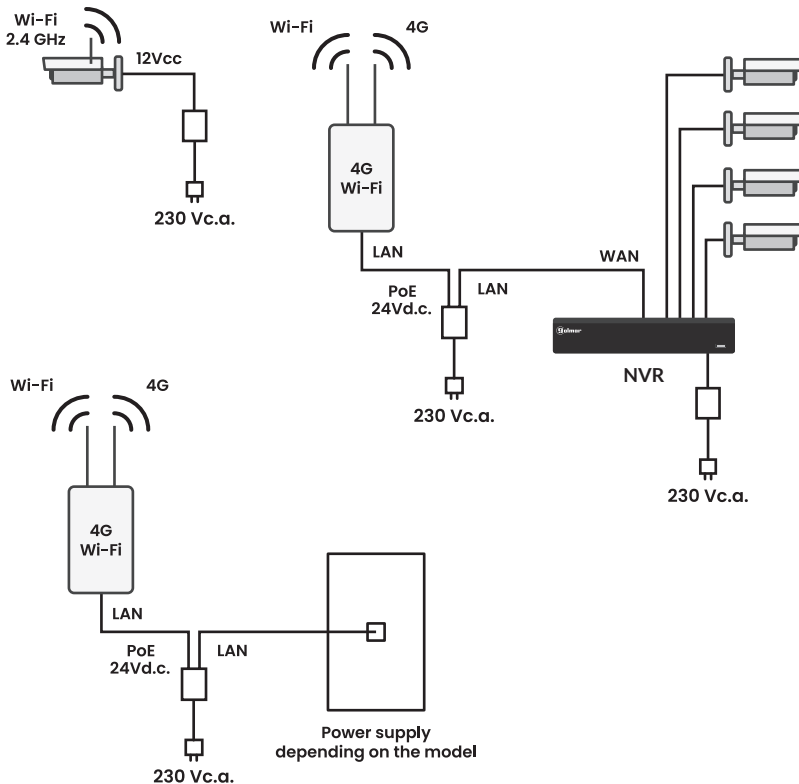- Ethernet cable
- 2 x cable ties

DESCRIPTION

1. 12VDC power port (PSU-121M recommended power supply - or equivalent)
2. 4G LTE nano SIM card slot
3. Ethernet LAN port (for connecting wired devices)
4. Ethernet WAN port (for connecting to a router)
5. Reset button

4G ROUTER MODE OPERATION

The nano SIM card is not included with the R-4GLTE. So a nano SIM card with the PIN code disabled will be required to start normal operation of the R-4GLTE.

1. Insert the nano SIM card into the nano SIM card slot.

2. Connect to the R-4GLTE power supply. You can power it at 12Vdc or using the PoE injector included in the box (24Vdc/0.5A). It is important to insert the nano SIM with the router switched off. If you have not yet inserted the nano SIM, disconnect the power to your R-4GLTE and go back to step 1.

3. Wait a few seconds. If all goes well, the R-4GLTE will connect to your internet provider and you will be able to see the coverage level on the indicator on the side of the R-4GLTE.

4. Connect the wired device you want to provide connectivity to the LAN port of the R-4GLTE or to the LAN port of the injector if you have used the injector to power the R-4GLTE. See connection diagram.

5. Alternatively, the R-4GLTE generates a Wi-Fi network. It is also possible to connect devices to this Wi-Fi network and provide them with internet connectivity. The R-4GLTE will generate a Wi-Fi network named 'Golmar-Link'. See connection diagram.
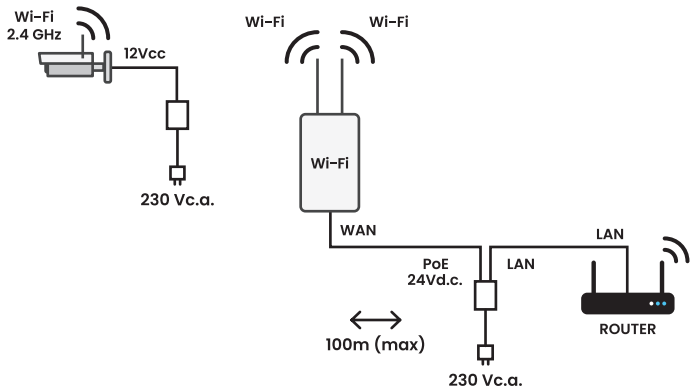
OPERATION IN ACCESS POINT MODE

If you already have an internet-enabled router in your facility, you can use the R-4GLTE as an access point to improve your facility's 2.4GHz Wi-Fi coverage.
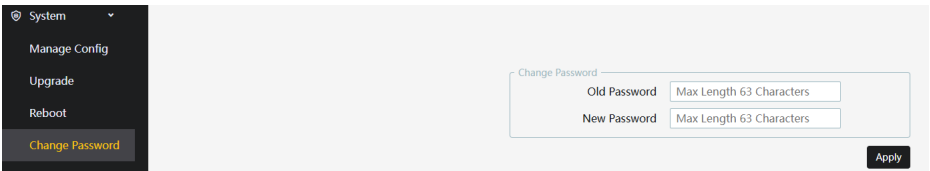
1. Connect the LAN port of the supplied injector to your router using an Ethernet cable.

2. Connect the PoE output of the injector to the WAN port of your R-4GLTE (maximum 100m from the injector).

3. Wait a few seconds. If all goes well, the R-4GLTE will generate a Wi-Fi network named 'Golmar-Link'.

4. Connect to the 'Golmar-Link' network and access the IP 192.168.1.10. You can also connect from any computer that is connected to the facility's router.

5. Enter the administrator password.

6. Access the Network -> WAN menu and select DHCP.

7. Save the changes by pressing 'Apply' and the R-4GLTE will reboot to start in access point operation mode. You will be able to connect your devices to the SSID 'Golmar-Link' and provide them with internet connectivity.
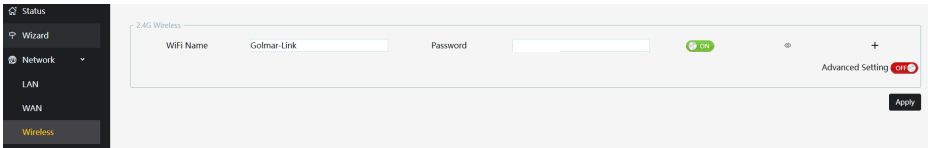

CHANGE OF PASSWORDS

This manual is intended to assist you in setting up your installation. It is strongly recommended to change the passwords given in this manual for security reasons.

- Change administration password. Access the 'System - Change Password' menu and update your administration password.
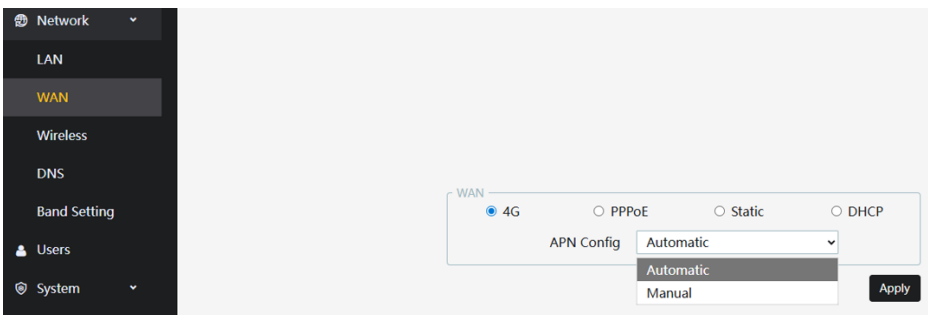
- Change Wi-Fi password. It is also possible to change both the SSID and the password of the Wi-Fi network generated by the R-4GLTE. Access the Network - Wireless menu and update the data if desired. Save the newly generated password in a safe and accessible place.

APN CONFIGURATION

The R-4GLTE router comes pre-configured with automatic APN detection. However, certain SIM cards (e.g. multi-operator cards) may require manual configuration of their APN. In this case, access the Network - WAN menu and configure the APN in manual mode using the information provided by the card provider.

R-4GLTE RESET

To reset the R-4GLTE, press and hold the RESET button for 10 seconds. Please note that if you reset the R-4GLTE, the custom settings as well as the SSID and passwords listed in this manual will be lost.

The data will change as follows in the event of a reset:

IP: 192.168.0.1

SSID: Freewifi-xxxx

Wi-Fi password: blank (open network)

Administration password: admin

If you reset the R-4GLTE, it is highly recommended to provide the R-4GLTE with new passwords for security reasons. **Act responsibly**.

CLEANING AND MAINTENANCE

- Disconnect the equipment from the power supply before cleaning.
- Clean the exterior with a dry or slightly damp cloth.
- Do not use chemicals, solvents or sprays.
- Do not allow water or dirt to enter the connectors.

RECYCLING

- Do not dispose of the device with household waste.
- Hand it in at an authorised collection point for electronic equipment (WEEE).
- Observe local regulations on electronic waste management.

GUARANTEE

This product is intended for professional use and is covered by a commercial warranty of 3 years from the date of invoice, covering defects in workmanship or operation under normal conditions of use.

The following are excluded from this warranty:

- Damage resulting from improper installation, unauthorised handling or use outside the technical specifications.
- Damage caused by extreme environmental conditions, electrical storms, power surges or water ingress due to faulty installation.
- Elements subject to natural wear and tear, such as connectors or seals.
- Failures resulting from use with non-approved accessories.

The warranty does not imply immediate replacement. The equipment may be repaired, replaced or paid for, at the manufacturer's discretion, after technical evaluation.

we take care of your home

Golmar Sistemas de Comunicación S.A.
C/ Silici 13. Polígono Industrial Famadas
08940 – Cornellà de Llobregat – Spain
golmar@golmar.es – 93 480 06 96

www.golmar.es