

SRG Series

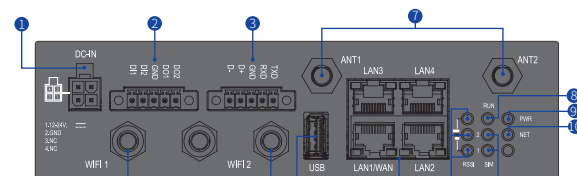
Quick Start Guide

Welcome to the SRG Series

Smawave SRG series industrial router provides LTE service in a ruggedized form factor. With an operating temperature range of -40 to 70 degree Celsius endurance, they offer industrial-grade environmental qualifications while providing higher speeds data services for video and other bandwidth-intensive applications. The SRG series industrial router is qualified for industrial environments and ideally suited for logistics, manufacturing, and other indoor applications. This product support UNII -1, it can only use in room.

The SRG series industrial router can support multi-bands for Private LTE, even support uncommon frequencies. The SRG series industrial router can provide accurate real-time location information.

Equipment Appearance



- 1 Power port
- 2 DI/DO port
- 3 RS232/485 port
- 4 WIFI antenna interface(Optional)
- 5 USB interface
- 6 LAN port
- 7 LTE antenna interface
- 8 RUN indicator
- 9 PWR indicator
- 10 NET indicator
- 11 SIM indicator
- 12 LTE Signal indicator
- 13 Reset button
- 14 SIM interface

Note1 The reset button is beside SIM interface, if press 1s, router will restart; if press above 10s, router will factory reset.

Note2 There is one white ground screw hole also at the behind of the device.

Cable Definition

DI/DO Cable Definition		
Number	Definition	
1	DI1	
2	DI2	
3	GND	
4	DO1	
5	DO2	

RS232/485 Cable Definition		
Number	Definition	
1	RS485 D-	
2	RS485 D+	
3	GND	
4	RS232 RXD	
5	RS232 TXD	

Working Environment

Operating Temperature	-40°C~ 70°C
Storage Temperature	-40°C~85°C
Humidity	5%~95%
Power Supply	12~24VDC
Power Consumption	<12W

Packing List

Items	Accessories	Qty
1	Ethernet cable	1
2	Power cable	1
3	5-pin plug terminal blocks	2
4	Mounting screws	10
5	Mounting kits	2
6	DIN rail clip	1
7	Grounding cable	1

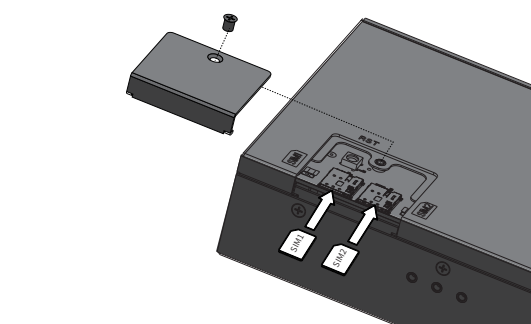
Configure Hardware

Install SIM Cards

Step1 Use a cross screwdriver to remove the SIM card cover.

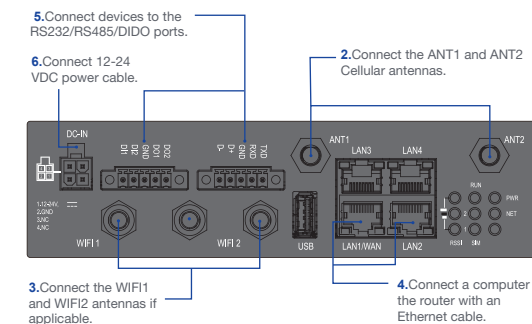
Step2 Slide the SIM cards into the SIM card slots until they click into place. By default, the SIM card in slot 1 (the left slot) is the Primary SIM card. When the SRG router is powered on or reboots, it automatically connects to the network associated with the Primary SIM card.

Step3 Re-attach the cover.



Connect and Turn on the Router

Pls connect the protecting ground cable as first step, connect 12-24 VDC power cable as the last step.



Connect to the Network

When the router is powered on, a green PWR LED may occur. This indicates that the power input is good. Once the router's radio module is configured for the SIM card, it begins the activation/provisioning process and attempts to connect to the mobile network. This process typically takes several minutes. A successful connection is indicated by a solid green NET LED. And the strength of the RF signal can be indicated by the Signal LEDs in different quantity.

Indicate	Status	Description
PWR	Green	Power on
	Off	No power supply
RUN	Blinking	System running
	Off	System error

Indicate	Status	Description
NET	Steady on	Register to network
	Off	Not register
	Blinking	Network searching
SIM	Steady on	SIM ready
	Off	No SIM or SIM error
Signal	Steady on	Indicate the LTE signal, the stronger signal, the more LEDs on
	Off	No signal

Configure Software

Login to the Web Management Page

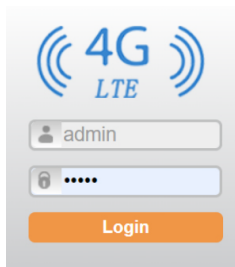
Step1 Launch the web browser, enter http://192.168.0.1 in the address bar, and press Enter button.



Step2 Enter the user name and password, and click **Login**.

Step3 You can login to the web management page after the password is verified.

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The default user name and password are both **admin**. If you want to view or configure the router more, you should use the super account to login to the web management page. The default super user name is **superadmin**, and the password is **admin**.

LTE Settings

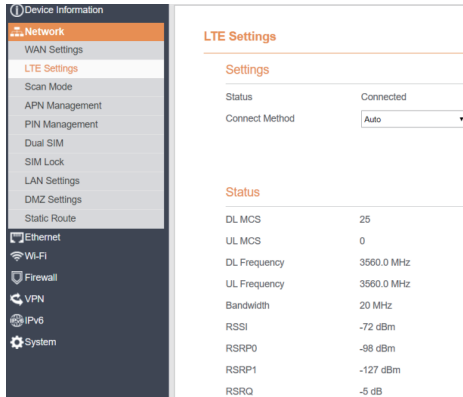
To set the LTE network, perform the following steps:

Step1 Choose **Network >LTE Settings**;

Step2 In the Setting area, you can set the configuration of LTE network;

Step3 In the Status area, you can view the LTE network connect status, such as Frequency, RSSI, RSRP, RSRQ,CINR, SINR, Cell ID and so on.

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WLAN Settings

Step1 Choose **Settings → Wi-Fi → WLAN Settings**.

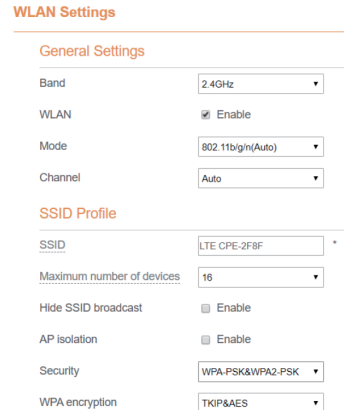
Step2 In the General Settings area, set Wi-Fi Enable or enable Wi-Fi.

Step3 In the Setting area, change the SSID, such as: "LTE-Router".

Step4 To ensure data security, it is recommended that you change the Wi-Fi password .

Step5 Click Submit to save the settings.

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FAQs

The POWER indicator does not turn on.

- Make sure that the power cable is connected properly and the router is powered on.
- Make sure that the power adapter is compatible with the router.

Fails to Login the web management page.

- Make sure that the router is started.

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- Verify that the router is correctly connected to the computer through Wi-Fi or a network cable.
- If the problem persists, contact authorized local service suppliers.

The CPE fails to search for the wireless network.

- Check that the power adapter is connected properly.
- Check that the router is placed in an open area that is far away from obstructions, such as concrete or wooden walls.
- Check that the router is placed far away from household electrical appliances that generate strong electromagnetic field, such as microwave ovens, refrigerators, and satellite dishes.
- If the problem persists, contact authorized local service suppliers.

The parameters are restored to default values.

- If the router powers off unexpectedly while being configured, the parameters may be restored to the default settings.
- After configure the parameters, download the configuration file and restore the desired settings quickly.

The router do not support SIM card hot-plug, please confirm that the device has been powered off when the SIM card is inserted or removed.

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FCC Regulations:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with FCC RF Exposure compliance requirements, this grant is

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applicable to only Mobile Configurations. The antennas used for the transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitte.

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