Scout 4G SF iRF (LA)

Installation Manual

FCC WANTS YOU TO KNOW

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 a nd 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.

Caution: Any changes or modications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Device topics:

The SCOUT 4G is offering 2 options: with and without BLE built-in support.

It is a reduced size, compact and easy installation offering several I/O's and BLE pairing with additional accessories.

Wiring Description

8	7	6	5	4	3	2	1
Port A / Out 1 General output	Port B / Out 2 General output	Ignition input (pull-down)	PC Communication eNet3	+12/24V	Ground (-)	Port C / In 1 Input (pull-up)	Port E / In 3 Input (pull-up)

SIM card installation

Open the device enclosure and insert the SIM as shown hereunder:

Peripheral accessories

The device could be paired with supported BLE accessories such as BLE tags, Fuel sensor and more.

For the updated supported accessories, consult ERM tech support.

LED Indications

- the green led - GPS status
- the red led - cellular modem's status

The green LED (unit/GPS status) has the following blink patterns:

LED "ON" for	LED "Off" for	Status
10ms	20 seconds	GPS is turned off or no main power
100ms	4 seconds	GPS is turned on, with a valid position
100ms	400ms	GPS is turned on, no position
Continued "on"	-	GPS is turned on, no communication with GPS

The red led (cellular modem status) has the following blink patterns:

LED "ON" for	LED "Off" for	Status
-	Always off	Unit has no external power, Modem is turned off, SIM card not inserted or locked
1 second	1 second	Current network is denied
100ms x3	4 second	Unit is connected to 4G network
100ms	10 seconds	Unit is in low power consumption mode, modem still on
100ms	4 seconds	Unit is connected to network
100ms	1 second	Unit is connecting to network
Continued "on"	-	Modem is connected to server

General Safety Instructions

Personal safety is of paramount importance. Please follow all safety instructions when installing ERM products:

- Always disconnect power when performing installation by removing the negative connection of the vehicle battery. Never work when power is connected.
- Always connect the positive wire using a 3A fuse.
- Reconnect the battery only after the installation is fully completed, making sure all wires are safely insulated.
- Use appropriate work tools.
- Maintain good ventilation and lighting in the work area.
- Never leave bared wires. Trim all wires not in use in such a way that no bare conductors remain, and fix them securely in place.
- Perform installation in a dry environment.
- ERM devices are not water-tight.
- Install ERM devices away from any heat sources.
- Do not install ERM devices in the engine compartment or on the vehicle's exterior.
- Install ERM devices away from large metallic bodies and never install them in small gaps between metallic objects.

ERM Contact Information

Telephone: +972-(0)3-941-3313, Fax: +972-(0)3-941-3316 *Support email: support@erm.co.il*

ERM Electronic Systems LTD

16 Hasar Shapira st. Rishon LeZion, 7570418 Israel | Phone: 972-3-9413313 Fax: 972-3-9413316

www.ermtelematics.com | info@ermtelematics.com