



Soracom LTE-M Button

USER GUIDE



Contents

- Setup Requirements 3
- Packaging 3
- Hardware Features and Capabilities 3
- Device Activation 5
- Click Types 6
- Light Behavior Table 6
- Mechanical Installation Instructions 7
- EU Declaration of Conformity 7



Setup Requirements

To fire up your Soracom LTE-M Button, you will need the following:

- Soracom LTE-M Button
- 2x LR6/AA Batteries (1.5V Alkaline) >> LR6 recommended
- PH0 (Philips #0) screwdriver to open up the device and insert the AA batteries

In order for the LTE-M Button to connect to a cellular network, you will need to be located in an area where LTE Cat-M1 (LTE-M) connectivity is supported by the Soracom IoT eSIM card. To check network coverage, please refer to the [Supported Carriers](#) page >> Soracom AIR plan 01s LDV is to be used for the LTE-M Button.

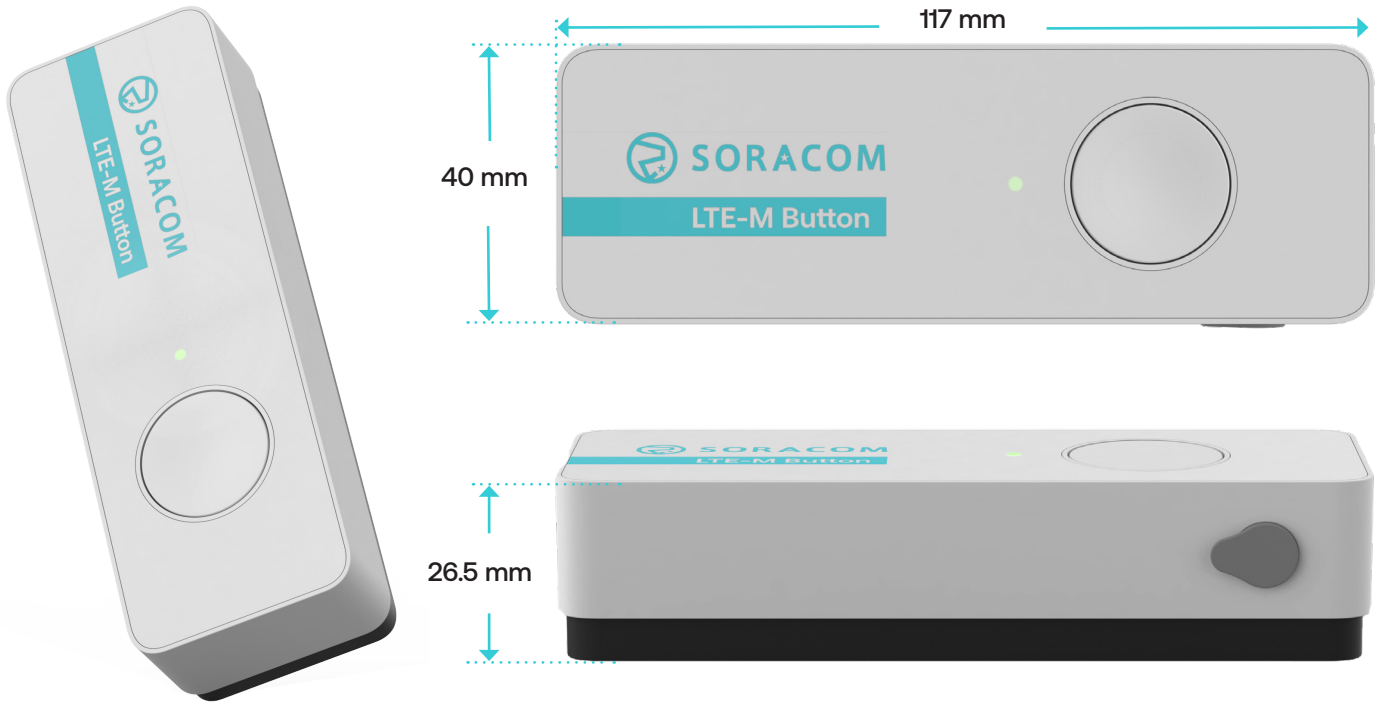
Packaging

You will find one Soracom LTE-M Button, as well as one 2-wire converter in the box. This will help you convert your 2-wire sensor to attach to the 3.5 mm input jack.

Hardware Features and Capabilities

Features

- » Minimum 2,000 clicks with 2 replaceable LR6/AA batteries
- » IP54 for dust and water protection
- » Soracom eSIM (plan 01s LDV)
- » The device sends data through the LTE-M network
- » Soracom User Console handles the data for parsing, enrichment, and connection to different endpoints
- » 3 Click Types to configure the trigger messages from the device (single, double, long)



CONNECTIVITY	
LTE-M Networks	Supported Bands: 2, 3, 4, 5, 8, 12, 13, 17, 20, 28
SIM Cards	eSIM or Plastic Nano SIM
Module	Sequans Monarch 1 GM01Q

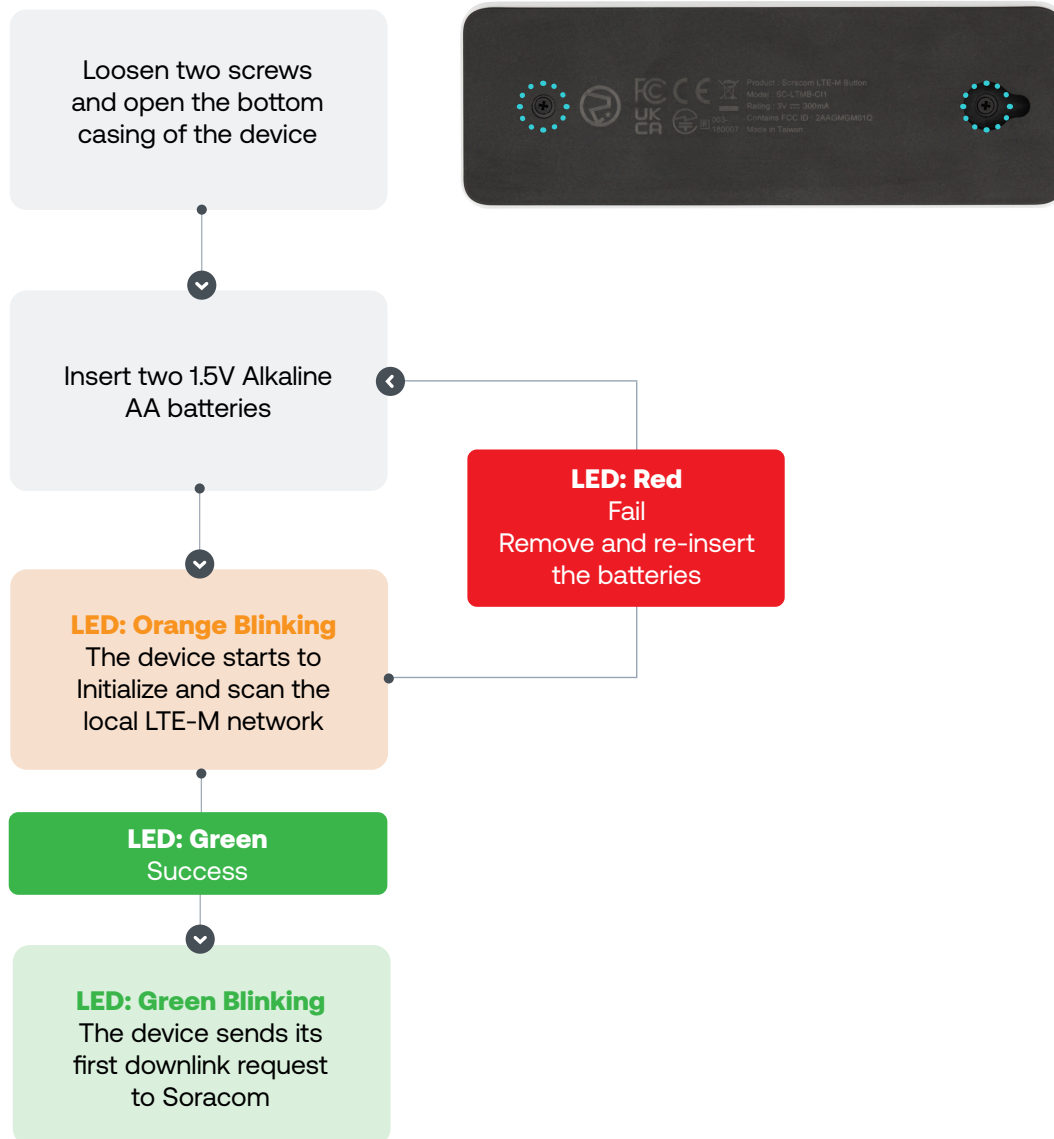
CLICK TYPES	
Single	1 click
Double	2 clicks within 2 seconds
Long	1 click and press for longer than 2 seconds up to 6 seconds

LED COLOR INDICATORS	
Green - Blinking	Power On, Initialize and Scan LTE-M Network
Green - Solid	Data Message Sent Successfully
Orange - Blinking	Establishing Network Connection
Orange - Solid	Sending Data Message
Red - Blinking	Low Battery
Red - Solid	Error in Network Connection or Sending Data Message

MECHANICAL	
Dimension	117 x 40 x 26.5 mm
Weight	TBC
Dust and Water Proof	IP54 casing protection
External Connector	3.5 mm Audio Jack
Mounting Method	Tape, Hook
Operating Temperature	-10 to +60 Celsius
Casing Color	White Top Casing and Black

BATTERY	
Type	Replaceable 1.5 V Alkaline AA Batteries
Battery Life	Minimum 2,000 Clicks

Device Activation





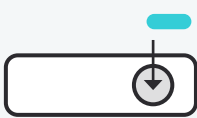
With your Soracom LTE-M Button, you are now connected to a cellular network.

Notes:









1. If you use the Plastic Nano SIM, the device will use it for network connection instead of the Soracom eSIM.
2. It might take up to 5 minutes if the device is connecting to a new LTE-M network in a new region
3. There should be a 'click' sound when you put the bottom casing back into the device.

What to do with your Button:

Click Types

CLICK TYPES		
Single	1 click	
Double	2 clicks within 2 seconds	
Long	1 click and press for longer than 2 seconds up to 6 seconds	

Light Behavior Table

Power on, Activation Search eSIM/plastic SIM Scan network FOTA and eSIM OTA			
		Communication Success	
Click Detected		Communication Error Network Error	
Network Connection		Low Battery	
Data Transmission			

Mechanical Installation Instructions

Please finish the activation process prior to installing the unit. This is to make sure that the device is connected to a LTE-M network.

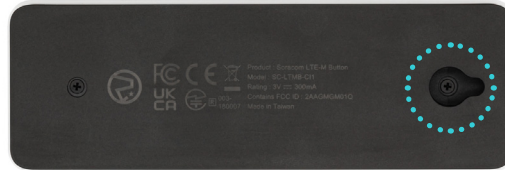
To allow better connectivity performance and avoid damage to the device, there are some general guidelines for the installation of the Soracom LTE-M Button:

- Install the device with the Soracom logo and button facing up, facing outward, and away from walls where possible to allow better connectivity performance.
- Avoid exposing the device to high impact, high-pressure water jets or temperatures exceeding its operational limits.



The Soracom LTE-M Button can be installed via three methods based on the environment of use:

1. On a flat and smooth wall surface, use a strong double-sided tape on the bottom of the Button to tape the device to the wall.
2. If the wall can be bolted or screwed, use a bolt or screw on the wall surface, then hang the Button on the wall.
3. You may also tie a string/rope around the hole on the bottom casing of the device and hang it on other items e.g. a doorknob.



EU Declaration of Conformity

This device complies with the essential requirements of the Radio Equipment directive: 2014 / 53 / EU. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the Radio Equipment directive 2014/53/EU:

- EN 301 908-13 V13.1.1
- EN 301 908-1 V15.1.1
- EN IEC 6231 1:2020
- EN 50665: 2017
- EN 50385: 2017
- EN 301 489-1 V2.2.3
- EN 301 489-52 V1.2.1
- EN IEC 62368-1:2020

Cat M1	Power (dBm)
Band 3	23
Band 8	23
Band 20	23
Band 28	23

SW version: V2116

RF exposure statement

The minimum distance between the user and/or any bystander and the radiating structure of the transmitter is 20cm.

