SORACOM

Soracom LTE-M Button

STARTUP GUIDE

Contents

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.
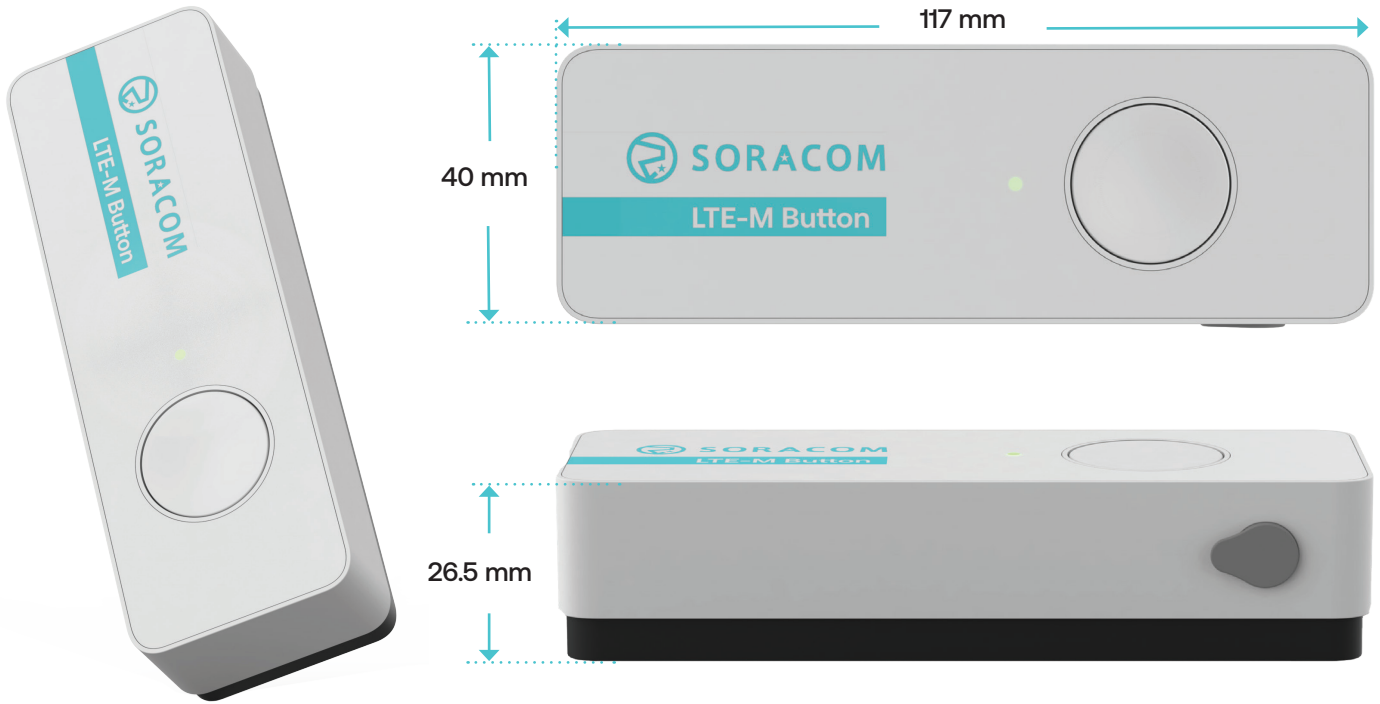
Packaging

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)

117 mm

40 mm

SORACOM
LTE-M Button

26.5 mm

SORACOM
LTE-M Button

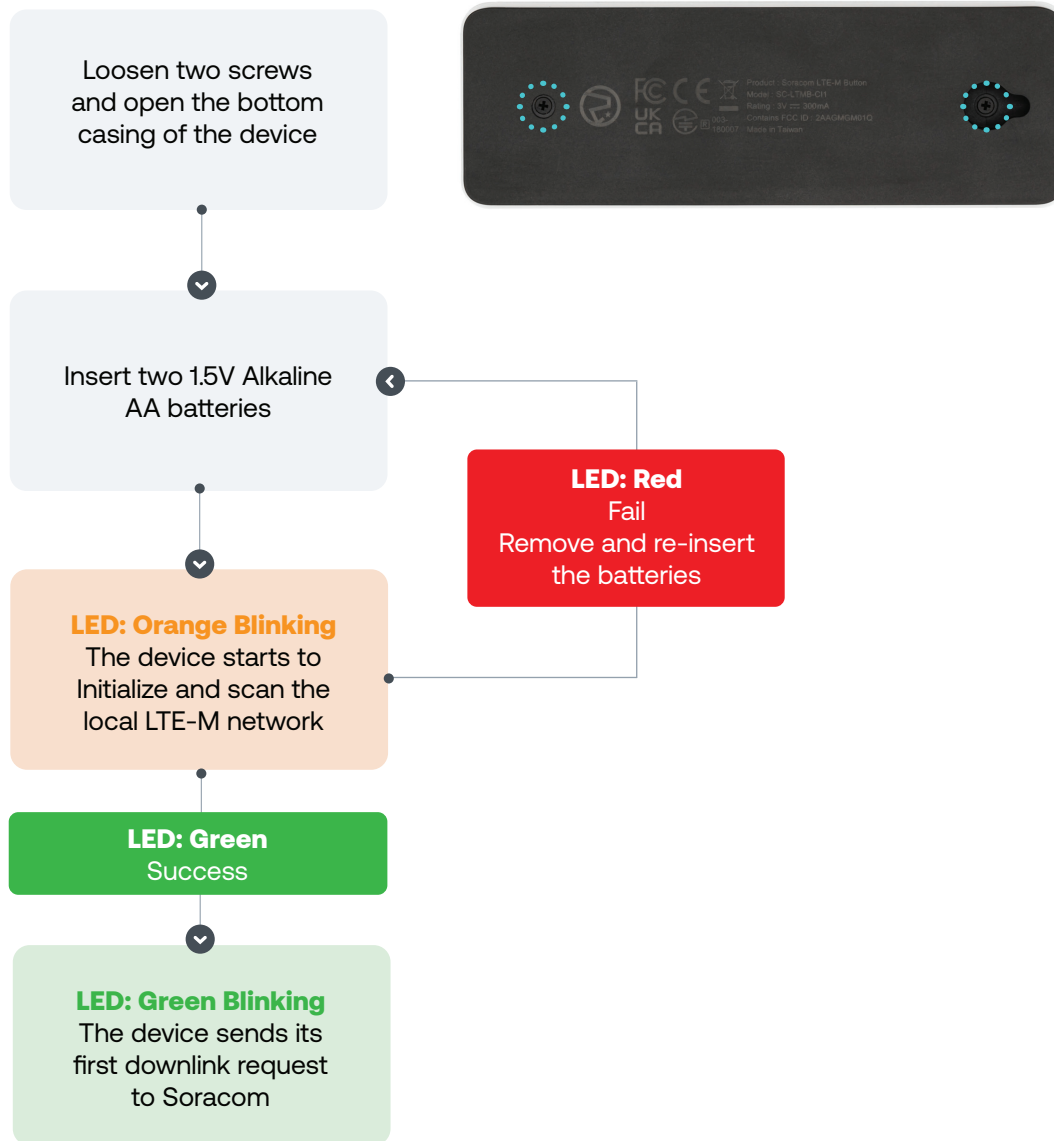| CONNECTIVITY	
LTE-M Networks	Supported Bands: 2, 3, 4, 5, 8, 12, 13, 17, 20, 28
SIM Cards	eSIM or Platic Nano SIM
Module	Sequans Monarch 1 GM01Q

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 Nertwork
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

Loosen two screws and open the bottom casing of the device

Insert two 1.5V Alkaline AA batteries

LED: Red
Fail
Remove and re-insert the batteries

LED: Orange Blinking
The device starts to Initialize and scan the local LTE-M network

LED: Green
Success

LED: Green Blinking
The device sends its first downlink request to Soracom

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

Notes:

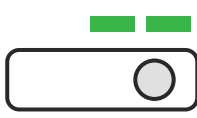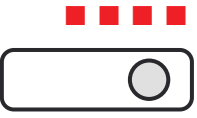1. *If you use the Plastic Nano SIM, the device will use it for network connection instead of the Soracom eSIM.*
2. *It might take up to 5 minutes if the device is connecting to a new LTE-M network in a new region*
3. *There should be a 'click' sound when you put the bottom casing back into the device.*

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, Activiation
Search eSIM/plastic SIM
Scan network
FOTA and eSIM OTA

Communication Success

Click Detected

Communication Error
Network Error

Network Connection

Low Battery

Data Transmission

Visit **soracom.io** for more information.

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.

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EU DECLARATION OF CONFORMITY (DoC)

Declaration Number	20221108-002
Manufacturer	Soracom Corporation Ltd.
	16 Great Queen Street, Covent Garden, London, WC2B 5AH, United Kingdom
Product Name	**Soracom LTE-M Button**
Model Name	SC-LTMB-CI1

The declaration of conformity is issued under the sole responsibility of the manufacturer who declares that the described product conforms with the following relevant union harmonization legislation:

2011/65/EU – Restriction of the use of certain hazardous substances in Electrical and Electronic Equipment (RoHS)

2015/863/EU   Amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances

2014/53/EU – Radio Equipment Directive (RED)

The following test methods have been applied to prove the presumption of conformity with the essential requirements:

EN 301 908-13 V13.1.1
EN 301 908-1 V15.1.1
EN IEC 62311:2020
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

Signed for and on behalf of:

Stockholm, Sweden   November 8th, 2022

Dora Terjek

Place of Issue:	Date of Issue:	IoT Device Product Manager

You create.
We connect.

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UK DECLARATION OF CONFORMITY (DoC)

Declaration Number 20221108-002
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16 Great Queen Street, Covent Garden, London, WC2B 5AH, United Kingdom

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Model Name SC-LTMB-CI1

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UK ROHS S.I 2012/3032 – The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

Radio Equipment Regulations 2017 (S.I. 2017/1206)
The following test methods have been applied to prove the presumption of conformity with the essential requirements:

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