



MClimate Multipurpose Button LoRaWAN®

User manual

Scan the QR Code to access MClimate Multipurpose Button LoRaWAN® extended documentation



mclimate.eu/lorawan-resources

Bulgarian

За да разберете как се инсталира MClimate Multipurpose Button LoRaWAN®, сканирайте QR кода или посетете линка до него.

Czech

Chcete-li zjistit, jak nainstalovat MClimate Multipurpose Button LoRaWAN®, prohlédněte si kód QR nebo navštivte odkaz vedle něj.

Finnish

Tutustu MClimate Multipurpose Button LoRaWAN®-laitteen asentamiseen, skannaa QR-koodi tai vierailla sen vieressä olevassa linkissä.

Danish

For at finde ud af, hvordan du installerer MClimate Multipurpose Button LoRaWAN®, scan QR-koden eller besøg linket ud for det.

Italian

Per installare MClimate Multipurpose Button LoRaWAN® scannerizzare il codice QR oppure aprire il link al suo lato.

German

Um herauszufinden, wie man MClimate Multipurpose Button LoRaWAN® installiert, scannen Sie den QR-Code oder besuchen Sie den Link daneben.

Latvian

Lai uzzinātu, kā instalēt MClimate Multipurpose Button LoRaWAN®, skenēt QR kodu vai apmeklējiet saiti blakus tai.

Spanish

Para saber cómo instalar MClimate Multipurpose Button LoRaWAN®, escanee el código QR o visite el enlace al lado.

Dutch

Om te weten te komen hoe u MClimate Multipurpose Button LoRaWAN® installeert, scan de QR-code of bezoek de link ernaast.

Hungarian

A MClimate Multipurpose Button LoRaWAN® telepítésének kiderítéséhez keresse meg a QR-kódot, vagy keresse fel a mellette található linket.

Irish

Chun a fháil amach conas a shuiteáil MClimate Multipurpose Button LoRaWAN®, scanadh an cód QR nó tabhair cuairt ar an

French

Pour savoir comment installer MClimate Multipurpose Button LoRaWAN®, scannez le code QR ou visitez le lien à côté de celui-ci.

Estonian

Et teada saada, kuidas installida MClimate Multipurpose Button LoRaWAN®, QR-koodi või külastada linki kõrval.

Swedish

För att ta reda på hur du installerar MClimate Multipurpose Button LoRaWAN®, skanna QR-koden eller besök länken bredvid den.

Portuguese

Para saber como instalar MClimate Multipurpose Button LoRaWAN®, digitalize o código QR ou visite o link ao lado dele.

Maltese

Biex issir taf kif jinstallaw MClimate Multipurpose Button LoRaWAN®, skennajti l-kodiċi QR jew zur il-link li jmiss lila.

Romanian

Pentru a afla cum să instalați MClimate Multipurpose Button LoRaWAN®, scanați codul QR sau accesați link-ul de lângă acesta.

Slovak

Ak chcete zistiť, ako nainštalovať MClimate Multipurpose Button LoRaWAN®, skenujte kód QR alebo navštívte odkaz vedľa neja.

Russian

Чтобы узнать, как установить MClimate Multipurpose Button LoRaWAN®, отсканируйте QR-код или перейдите по ссылке, расположенной рядом с ним.

Lithuanian

Norėdami sužinoti, kaip įdiegti MClimate Multipurpose Button LoRaWAN®, nuskaitykite QR kodą arba apsilankykite nuorodą šalia jo.

Polish

Aby dowiedzieć się, jak zainstalować MClimate Multipurpose Button LoRaWAN®, zeskanuj kod QR lub odwiedź link obok niego.

Greek

Για να μάθετε πως να εγκαταστήσετε τον MClimate Multipurpose Button LoRaWAN®, σκανάρετε τον QR κωδικό ή επισκεφτείτε τον σύνδεσμο δίπλα του.

Need some help?



For more product information and issues related to it, visit: mclimate.eu/lorawan-resources

or write us to: lorawan-support@mclimate.eu



00359 800 3 1010
Monday-Friday 09:00 - 18:00

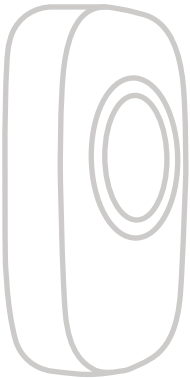


Sofia, Bulgaria
Aleksandar Malinov Boulevard 31, Campus X, Building 2,
floor 1, office 1-2

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What's inside the box?



MClimate Multipurpose
Button LoRaWAN®

Technical specifications

Description: LoRaWAN Button with temperature sensor and 3 types of button presses (single, double and triple press)

Created by MClimate™

Model: MC-LW-BTN-01

Dimensions: 71 x 41 x 18mm

Weight: 26gr

Frequency range: 863÷870MHz

Power supply: 1xER10280 3VDC battery

Sensors: built-in temperature sensor

Work temperature: 0°C to +50°C

Material: ABS

Environmental conditions, in which the device is intended to operate:

- Indoor using;
- for altitude up to 2000m;
- for an ambient temperature: 0°C to +50°C;
- for maximum relative humidity of 80% for temperature up to 31°C, decreasing linearly to 25% relative humidity at temperature 50°C;
- for environment with a degree of contamination 2 (PD2).

Storage and transportation conditions:

- for an ambient temperature: -40°C to +85°C;
- for relative humidity 5% to 90% without condensation

Manufacturer

Melissa Climate Jsc
Gen. Gurko 4 street
1000 Sofia, Bulgaria

Compliance with the WEEE Directive

The appliance marked with this symbol should not be disposed of with other household waste. It must be handed over to the relevant collection point for the recycling of electrical and electronic equipment.

⚠ Safety Instructions

Please read the safety instructions before installing the device! Failure to follow the recommended instructions in this manual may be dangerous or in violation of the law. The manufacturer Melissa Climate Jsc., is not responsible for any loss or damage caused by failure to follow the instructions in the operating manual.

Legal Notices

All information, including but not limited to, features, functionality, and / or other product specifications are subject to change without notice. MClimate retains all rights to review or update its products, software or documentation without being required to notify any natural or legal person.

The MClimate and MClimate logo are trademarks of Melissa Climate Jsc. All other brands and product names mentioned herein are trademarks of their respective owners.

EU Declaration of Conformity

This device complies with the essential requirements and other applicable provisions of the following EU directives:

2014/53/EC

EN 50491-3:2009

EEU 300 220-1 V3.1.1:2017

EEU 300 220-2 V3.1.1:2017

EN 60950-1:2006+A11:2009 +A1:2010+A12:2011+

A2:2013 + AC:2015

EN 301 489-1 V2.1.1:2017

Compatibility

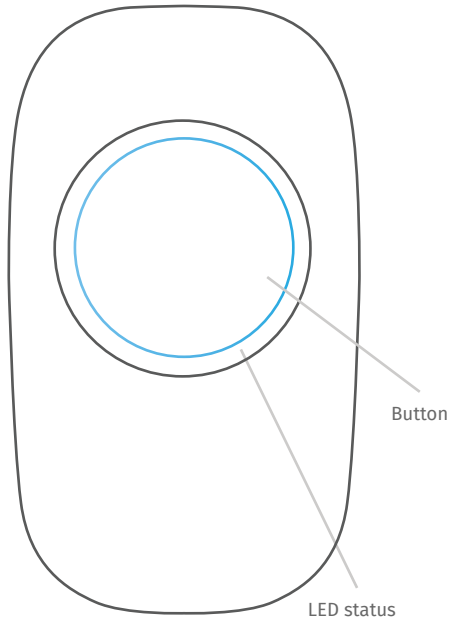
In order to operate MClimate Multipurpose Button LoRaWAN®, you will need:
LoRaWAN® network
Battery

Battery type: 1xER10280, 3VDC

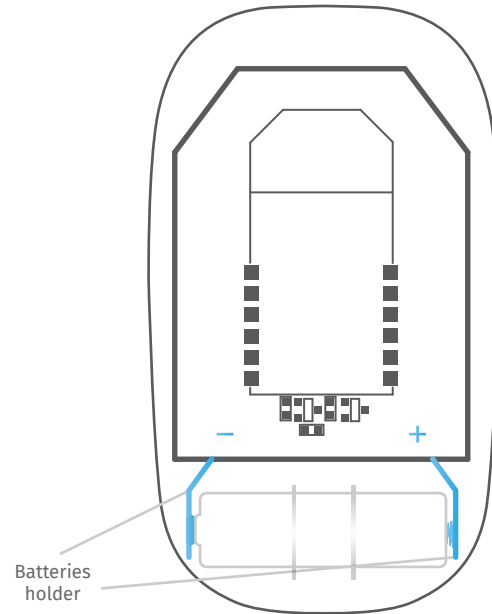
Device operating voltage: 2.7 - 3VDC



Device parts



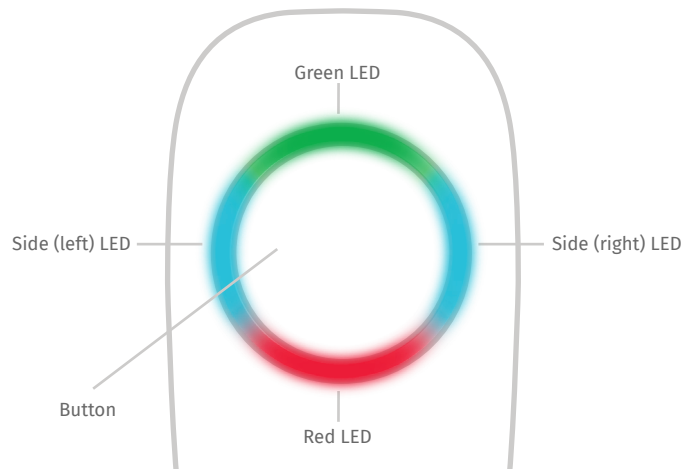
Assembled MClimate Multipurpose Button LoRaWAN®, top view



Disassembled MClimate Multipurpose Button LoRaWAN®, bottom view

LED, Buttons and behaviour

There are three separate types of clicks supported by the button. After each click the button waits for 600ms to check if another click is coming. Once the click type has been determined, the device sends a confirmed uplink with the temperature data and the click type information. Supported click types:



LEDs indications:

- The GREEN LED is activated while the button is pressed
- The side LEDs alternate when the LoRaWAN message is being sent
- The GREEN LED lights up when the event is sent and acknowledged by the gateway and LNS
- If the message has not been successfully acknowledged, the RED LED activates
- If a message is not allowed to be sent at the moment (due to RF duty-cycle restrictions), the RED light activates after you release the button.
- If the sensor is NOT connected to a network, then the SIDE and RED LEDs activate.

Commissioning

1 Open your LoRaWAN® Network provider access panel and add the device using the supplied Serial Number, DevEUI, AppEUI (JoinEUI) and AppKey.

2 Continue the Installation with the instructions of your LoRaWAN® Network provider.

Device ID: 9X7621HS

DevEUI: 70B3D25DD30009E1

AppEUI: 70B3D25DD3000000

AppKey: a0658dfae72131saf1249abc11

Register



The data is example. Do not use.

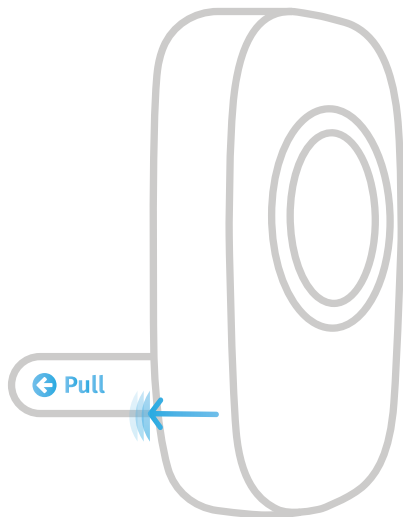
MClimate_LoRaWAN_51177			
Serial Number	DevEui	AppEui	AppKey
0100000000000000	70B3D25DD30009E1	70B3D25DD3000000	5fc31044a4d380498ac42381123a2778a28



You can get DevEUI, AppEUI (JoinEUI) & AppKey information from the LoRaWAN® credentials .csv file we sent you with the fulfillment confirmation.

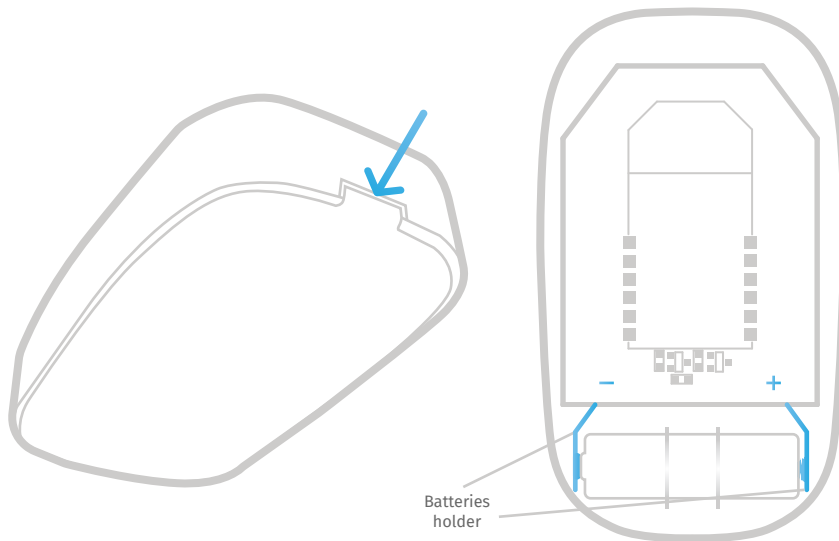
Commissioning

Remove the battery paper isolator from the device.



Open the device

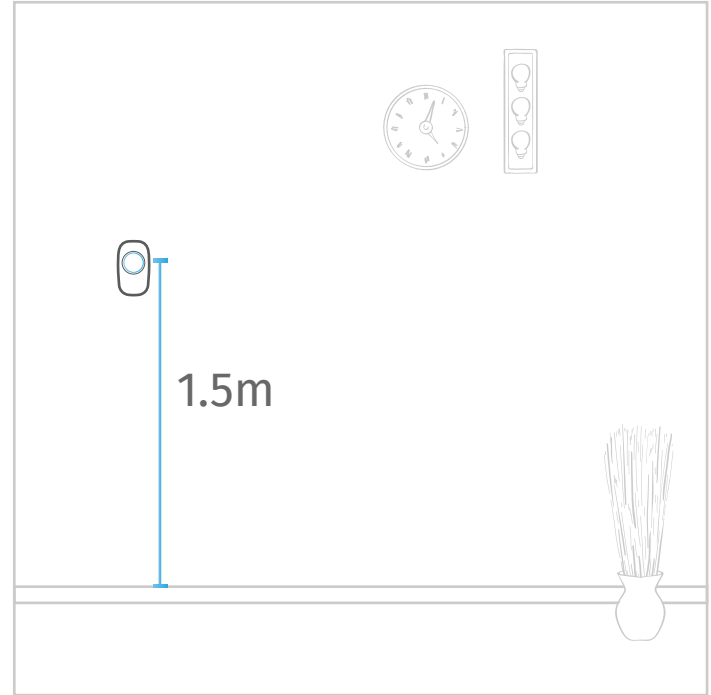
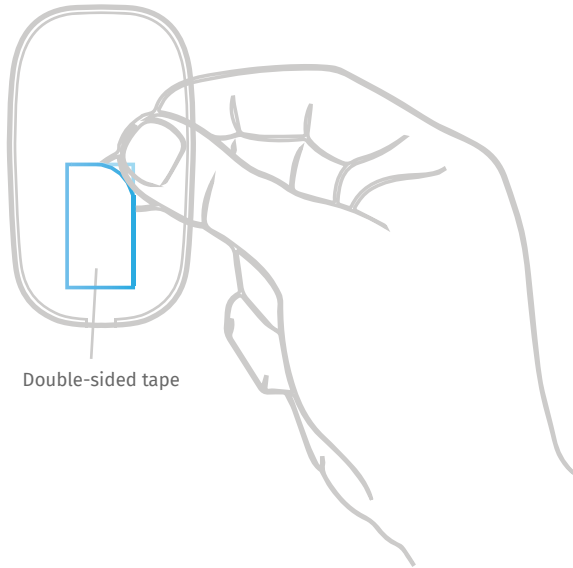
If you need to open the device to replace the battery, use the slot indicated in the picture to open the device. Insert the new battery following the direction indicated on the PCB.



Disassembled MClimate Multipurpose Button
LoRaWAN®, top view

Installation

We recommend installing the device in an open environment (e.g. not in a recess) at 1.5m height. Do not install the device near big metal items as it will worsen the RF performance. Use double-sided tape to attach it to the surface.





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Designed & Manufactured by MClimate in Europe.

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