

miro Click



CUSTOMIZABLE MULTI-USE IOT BUTTON

Multi-purpose LoRaWAN[®]
configurable IoT Button
to support service-on-
demand use cases



miro Click is a LoRaWAN[®] service on-demand, remote control, emergency, or notification. A customizable front label and its configurable functionality support many use cases.

It contains four integrated buttons and is configured over the air either as a single-, two- or four-button device.

miro Click is powered by two standard AAA batteries with an expected lifetime of multiple years.

KEY BENEFITS

- Customizable front label
- Low power operation
- Up to 10 years of battery lifetime
- Configurable one, two, or four buttons operation
- User feedback by buzzer
- Over the air configuration

APPLICATIONS

- Facility management services
- Industrial and home automation
- Emergency notification

Document Information

ABOUT

File name	miro Click datasheet
Document type	Datasheet
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Revision	1.90

REVISION HISTORY

Date	Release	Changes
02.03.2021	1.0	Initial release

TABLE OF CONTENT

Document Information	2
Functional Description	3
Technical Specifications	4
Additional Documentation	4
Mechanical Dimensions	5
Device Options	6
Default Labels	6
Keep in touch	7



Functional Description

miro Click is a low-cost, battery powered, and fully configurable LoRaWAN® class A IoT button device for various service-on-demand or notification applications. Its customizable front label allows for flexible integration into almost any use case.

The device can be configured for single, dual (upper/lower or left/right), and four-button operation. With every button press, a LoRaWAN® message is sent containing necessary information such as increasing counter and button(s) pressed. A status message is sent in a configurable interval to secure service availability.

All settings, such as button mode and status message interval, can be configured using LoRaWAN® downlink messages.

miro Click is available in a beautifully designed, high-quality plastic enclosure with different mounting options such as double-sided sticky tape or screw-on. Depending on the use case, the user can choose between clipped housing for easy battery replacement or screwed housing for improved ruggedness.

Technical Specifications

MECHANICAL SPECIFICATIONS

Weight	40 g
Dimensions	80 x 60 x 16 mm (see Figure 1)
Enclosure	Plastic, ABS

OPERATING CONDITIONS

Temperature	0 – 80 °C
Humidity	0 – 95% RH, non-condensing

DEVICE POWER SUPPLY

Battery type	Two AAA 1.5V standard batteries
Expected battery lifetime	> 10 years

RADIO / WIRELESS

Wireless technology	LoRaWAN® 1.0.3
LoRaWAN® Device type	Class A
Supported LoRaWAN® features	OTAA, ADR, Adaptive Channel Setup
Maximum RX Sensitivity	-137 dBm
RF transmission power	14 dBm / 20 dBm (depending on region)

Additional Documentation

ADDITIONAL RESOURCES

Technical and payload documentation	docs.miromico.com/miro-click
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Mechanical Dimensions

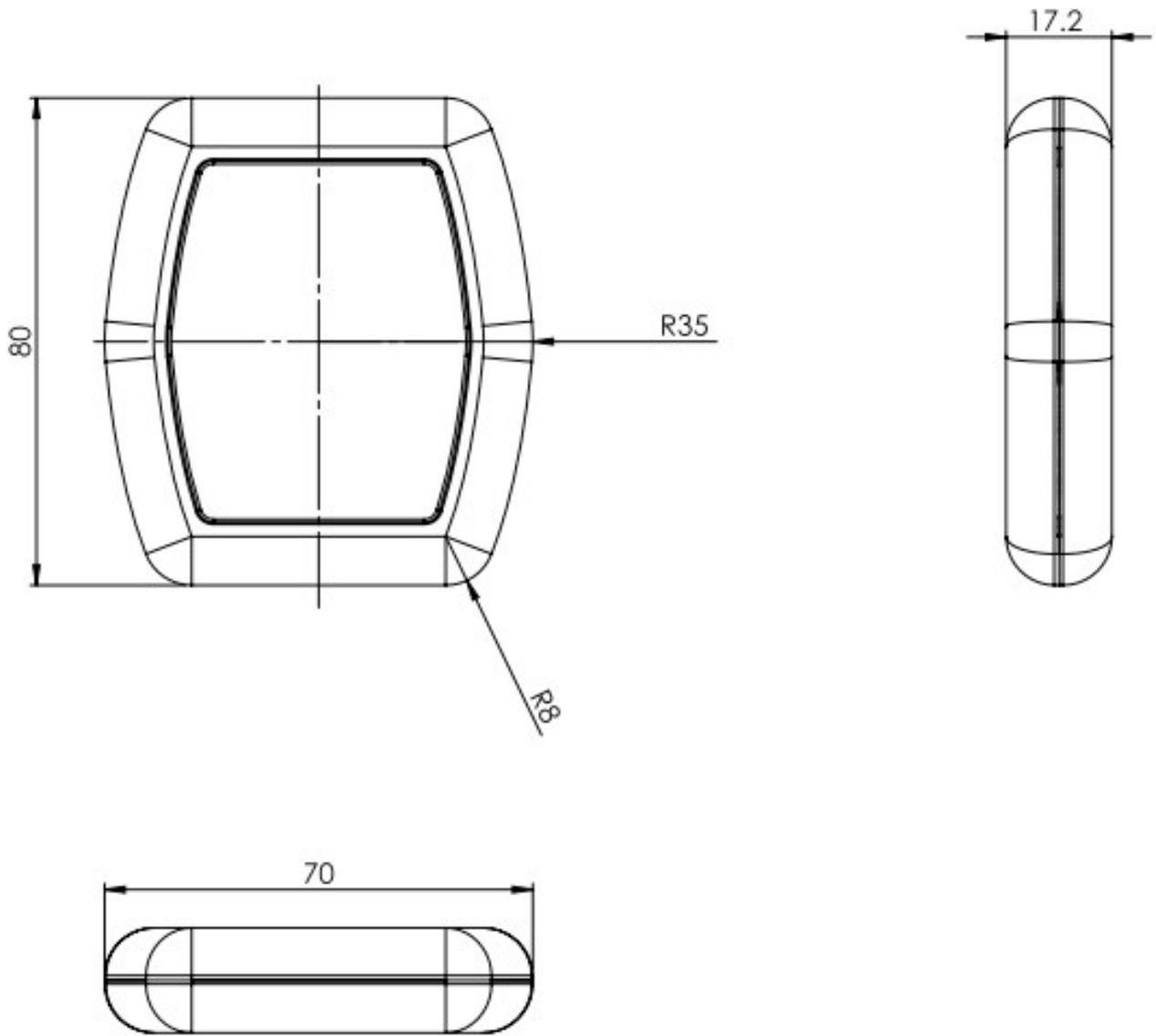


Figure 1: Mechanical Dimensions

Device Options

PRODUCT ID	LoRaWAN® REGION					OPTIONS		
	EU868	US915	AS923	AU915	IN865	Clipped	Screwed	
IOT-BUTTON-LW/□	■	■	■	■	■	■		Default Labels
IOT-BUTTON-LW/□-SCR	■	■	■	■	■		■	Default Labels

Default Labels

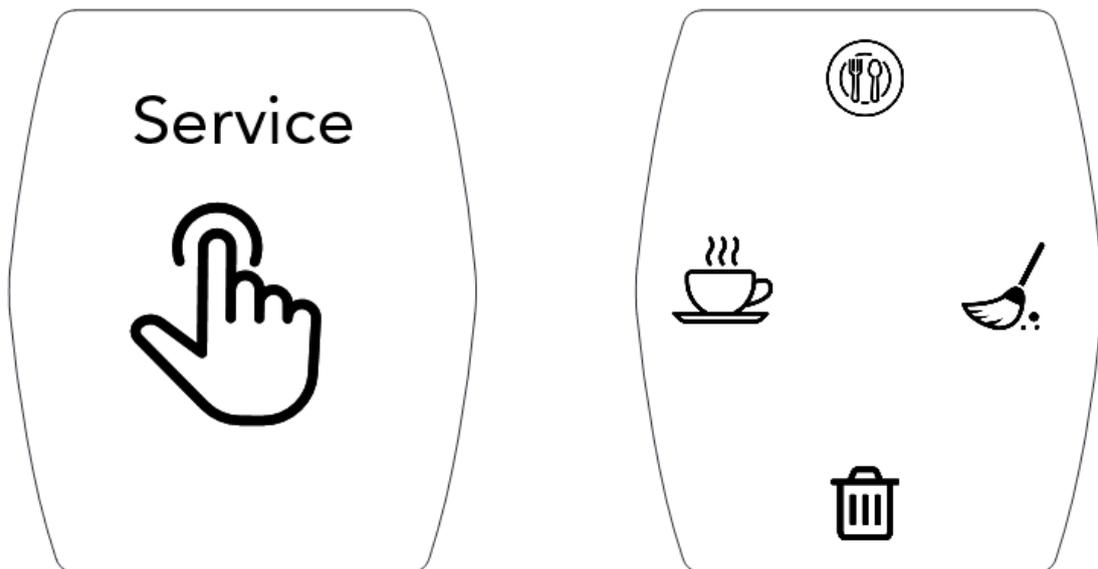


Figure 2: Default Labels

Customized labels are available on request.



Keep
in touch

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