MUTELCOR

OTA Configurator Page
Quick Start Guide

Thank you for choosing Mutelcor GmbH
We are proud to be part of your project

1. Need Help?

For any other query related to our product, please contact the local distributor or Mutelcor at support@mutelcor.com

2. Updating the Device settings

Your Devices supports OTA which means you can update some device settings remotely via OTA commands. Those commands need to be sent to the device as LoRa downlink messages. You can generate the OTA commands using our OTA Configurator Website

3. Opening the OTA Configurator Website

To generate an OTA command which updates the device configuration, you can use our OTA Configurator Website. When opening the Website, one needs to enter the device parameters in the URL so the correct configuration parameters can be shown. The complete URL has the following format:

https://otaconfigurator.mutelcor.com/?type=[Model]-[Module]

where one needs to replace **[Model]** with the Device Model Name and **[Module]** with the Module ID one can find on the sticker pasted on the back of the device (Please refer to the device quick guide).

Example: Your Devices is a Panic Button used in Europe, then on the sticker pasted on the back of your device you'll find:
The Model Name: **MTC-EU-PB01**
The Module ID: **P15L2RG**

In this case, you'll need to use the following URL to generate OTA commands for your device:

https://otaconfigurator.mutelcor.com/?type=MTC-EU-PB01-P15L2RG

URL Examples by Device Model (These examples assume your devices are EU devices. If you're in a different region, you need to replace the EU part in the URL with your region).

Device Model	URL
Smart CO2 LoRa Sensor Red Lens, Power Adapter	https://otaconfigurator.mutelcor.com/?type=MTC-EU-CO2-01-P15L2RGC30
Smart CO2 LoRa Sensor Transparent Lens, Power Adapter	https://otaconfigurator.mutelcor.com/?type=MTC-EU-CO2-02-P15L2RGC30
LoRa Panic Button Red Lens with Battery	https://otaconfigurator.mutelcor.com/?type=MTC-EU-PB01-P15L2RG
LoRa Panic Button Transparent Lens with Battery	https://otaconfigurator.mutelcor.com/?type=MTC-EU-PB02-P15L2RG
LoRa Alarm Unit Transparent Lens, Power Adapter	https://otaconfigurator.mutelcor.com/?type=MTC-EU-AU01-P15L2RG
LoRa Alarm Unit Transparent Lens with Battery	https://otaconfigurator.mutelcor.com/?type=MTC-EU-AU02-P15L2RG
LoRa Alarm Unit Red Lens, Power Adapter	https://otaconfigurator.mutelcor.com/?type=MTC-EU-AU03-P15L2RG
LoRa Alarm Unit Red Lens with Battery	https://otaconfigurator.mutelcor.com/?type=MTC-EU-AU04-P15L2RG
LoRa Service Call Button 3 Buttons with Battery	https://otaconfigurator.mutelcor.com/?type=MTC-EU-SCB01-P15B3L3123
LoRa Customer Feedback With Battery	https://otaconfigurator.mutelcor.com/?type=MTC-EU-CF01-P15L3123
LoRa Manhole Sensor With Battery	https://otaconfigurator.mutelcor.com/?type=MTC-EU-MH01-P15
LoRa Air Quality Sensor With Battery	https://otaconfigurator.mutelcor.com/?type=MTC-EU-AQ01-P15H17
LoRa Multi Function Device With Battery	https://otaconfigurator.mutelcor.com/?type=MTC-EU-MH01-P15
NFC RFID - LoRa Button 1 Button with Battery	https://otaconfigurator.mutelcor.com/?type=MTC-EU-NFC01-P16U53
NFC RFID - LoRa Button 2 Buttons with Battery	https://otaconfigurator.mutelcor.com/?type=MTC-EU-NFC02-P16U53

4. Generating OTA commands

Once you open the website, you can set the values of each parameter by moving the slider, where the new value will be shown in the column "New Value". Once you click on a slider, you can also use your arrow keys to fine tune the value.

On **hovering the mouse** over the slider or over the setting parameter, you can also see a short description of the parameter you're changing.

To see some advanced options, please toggle the switch with label "Advanced" at the top right. This will show you even more parameters that you can configure.

Once you set the values of all the parameters you want to change, just click "**Generate**" in the LoRaWAN Download Section at the bottom of the page. This will create an appropriate OTA command, which then can be sent as a downlink message via the LoRAWAN network.

The message needs to be sent on **Port 1** to the device. Please wait for the device to send a Heartbeat message, which opens a link to the LoRaWAN server for the downlink message to be sent to the device. This can take up **to 1 hour**.
Please do not press the button on the device during this time period. As then an Alarm message is sent by the device, which may replace the configuration Update Confirmations and cause the update to partially fail. As soon as the command reaches the device, it activates the new configuration.

Please note that there can be multiple commands (each line shows a single command). Each command needs to be sent one-by-one as a downlink message to port 1 of the device. Please make sure that the commands do not replace each other on the LoRaWAN Network Server.

Please make sure to enqueue the multiple commands and not to replace the previous command on your LoRaWAN network server.

Example with a single command as result:

LoRaWAN download

base64
Legacy

Generate

02722D061B6615630C164D030E033D

Example where 2 commands need to be sent to the device:

LoRaWAN download

base64
Legacy

Generate

02722503292D012901002B0803401B6615630C164D030E033D8D02313E90043E31433A95034B4361
0290

5. Reading the current device configuration

It is also possible to load the current device configuration into the OTA Configurator Website.

To do that please click on the switch with the label "**Load current configuration**" at the top left of the page and follow the instructions that are displayed

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🔵 Load current configuration
Retrieve the complete configuration by sending the 4 downloads 02712328, 02714B28, 02717328 and 02719B28 (base64: AnEjKA==, AnFLKA==, AnFzKA== and AnGbKA==) to the device on port 1
Paste all configuration responses in Hex or base64:

One can retrieve the complete configuration of the device by sending the **4 downlink commands to Port 1**:

02712328
02714B28
02717328
02719B28

In base64:
AnEjKA==
AnFLKA==
AnFzKA==
AnGbKA==)

Paste all 4 configuration responses received from the device in Hex or base64 in the window and the configurator will show the set configuration of each parameter.

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Mutelcor GmbH Team

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