

OXOUTTON 1 & BUTTONBOARD

FAQ



I received my Oxobutton. Where do I start?

First of all, thank you for using the Oxobuttons. You can follow the instructions in the installation PDF. This guide helps you get started with the Oxobuttons. If you have any further questions to the installation process, don't hesitate to contact us.

I don't see my Oxobutton in the Device Manager. Where is it?

New Buttons must be assigned to your account first. Make sure you followed the installation process documented in the installation PDF. If you already set up your environment and just need to add a new button, you can skip the first two steps of the installation and start with step 3.

Is it possible to use an Oxobutton with The Things Network?

It sure is. Just add a new Application in the Device Manager (as shown in the installation PDF in step 2) and set the AppEUI from your TTN Application. Then update the keys on the device via Device Manager App. In the end, you can just add your button in the TTN panel as well and you are set.

Can I update the state of my Oxobutton e.g. every 24h?

Yes, you can. You are able to change the state of a button via downlinks. In order to change the state every 24 hour, you can configure the heartbeat of your device to 24h and then send a downlink with the new state when the button sends its heartbeat. For more information about up- and downlinks, see the documentation PDF.

How do I update an Oxobutton?

The Oxobuttons are updated via Bluetooth with the Device Manager App (link in the docs). Just connect it with your device and it will show you if a firmware update is available.

The device no longer works / The battery has discharged very quickly

The device is supplied with a small coin cell (CR2032). For LoRa transmission a short high current is needed, therefore not all coin cells are well suited. For the Oxobutton we currently only recommend two brands: Energizer and Murata High Energy CR2032.

Can I also use the button as a display and for example display sensor data via LoRaWAN?

The Oxobutton is a Class A device. This means that the button does not permanently listen to messages, but connects to the server either via a button click or via a periodic heartbeat. In this case, the button can be given feedback in a downlink message. This can then be used to display an image or output a text provided by the server.

Since the button has to wait for a downlink message in this case, this leads to a higher airtime and finally to a higher power consumption. Since the battery is not designed for this, it can be expected that it will discharge very quickly in this case. If the update takes place once a day via a heartbeat, the battery should last about one year. However, if updating takes place every half hour from 08:00-18:00, the battery will run out after one month, depending on the range to the gateway.

What range can be achieved with the Oxobutton?

The Oxobutton is designed for indoor use and optimized for size. It has only a very small antenna. On the free field you can reach a range of about 200 - 300 m with it. In buildings the range depends very much on the construction of the walls, ceilings and floors. In well shielded buildings an antenna can only cover two to three floors.

Didn't find the Answer you were looking for? We are happy to help you.

