
LoRa BUTTON BOARD

PRODUCT NUMBER

- Oxo-AF0C01

SOFTWARE

- Various application modes selectable
 - Colors, press durations, wakeup reasons, piezo volume and other features adjustable
 - Configuration through Bluetooth (free App) and LoRa Downlink
 - Customizable Firmware: on request
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USER INTERFACE:

- Changeable front view paper
 - 6 User-, 1 BLE- and 1 Reset-Button
 - 6 RGB LED rings
 - Piezo
 - Vibration motor
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BLUETOOTH

- Bluetooth Low Energy 5.0
 - Device Configuration over Bluetooth
 - Firmware Over the Air (FOTA)
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TEMPERATURE SENSOR

- Resolution: 12 Bit
 - +/- 2° C
-

LORA

- SX1276 Semtech
 - Supported Frequency: 868 MHz
 - Adaptive Data Rate (ADR) supported
 - Unique Device-EUI (IEEE range)
 - LoRaWAN v1.0.3 Class A
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APPLICATIONS

- Reorder
 - Office and home automation
 - Facility services
 - Hoteling
 - Healthcare
 - Other
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MCU

- BLUENRG-2
 - FLASH: 256kB
 - RAM: 24kB
 - Clock: 32MHz and 32.768kHz
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OPERATION TEMPERATURE:

- Resolution: 12 Bit
 - +/- 2° C
-

ACCELEROMETER

- Low Power Accelerometer
 - Selectable Full Scale: +/- 2g, +/- 4g, +/- 8g, +/- 16g
 - Data Rate: 1.6 – 1600Hz
 - Resolution: 14 Bit
-


OPERATION TEMPERATURE

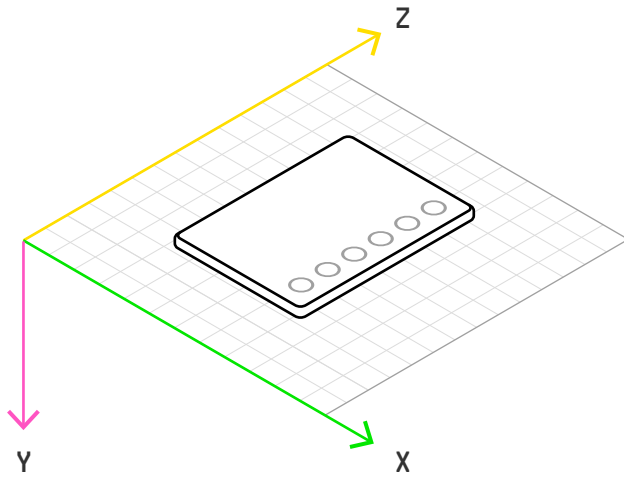
- 5 to 35°C
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POWER SUPPLY

- 3V CP405050 Battery (2400mAh)
 - Standby-Current: < 15uA
 - Runtime 4 years (12 uplinks per day)
-

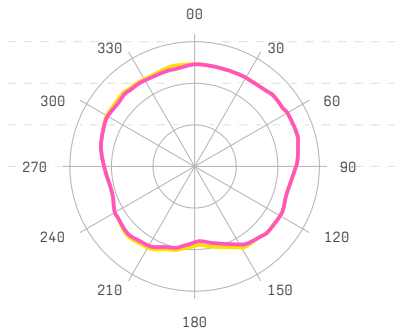
BUTTON BOARD

Oxon designed and creates hard- and software 

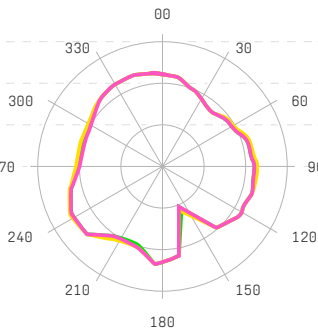


Antenna performance

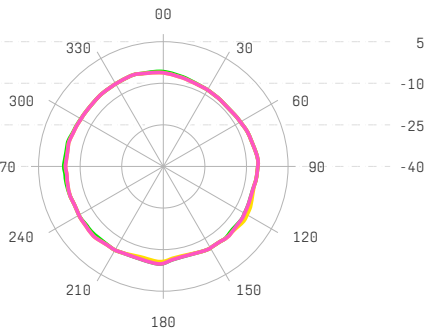
XY



XZ



YZ



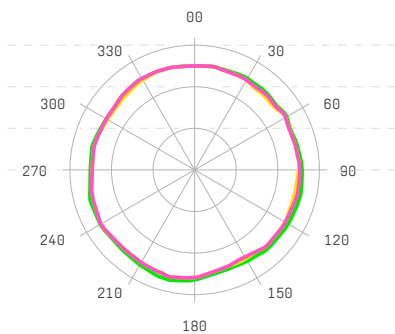
860MHZ

868MHZ

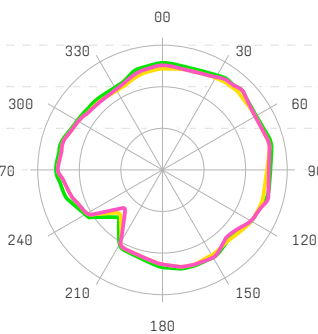
870MHZ

LoRa

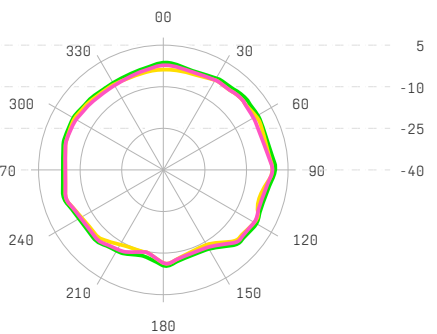
XY



XZ



YZ




860MHZ

868MHZ

870MHZ

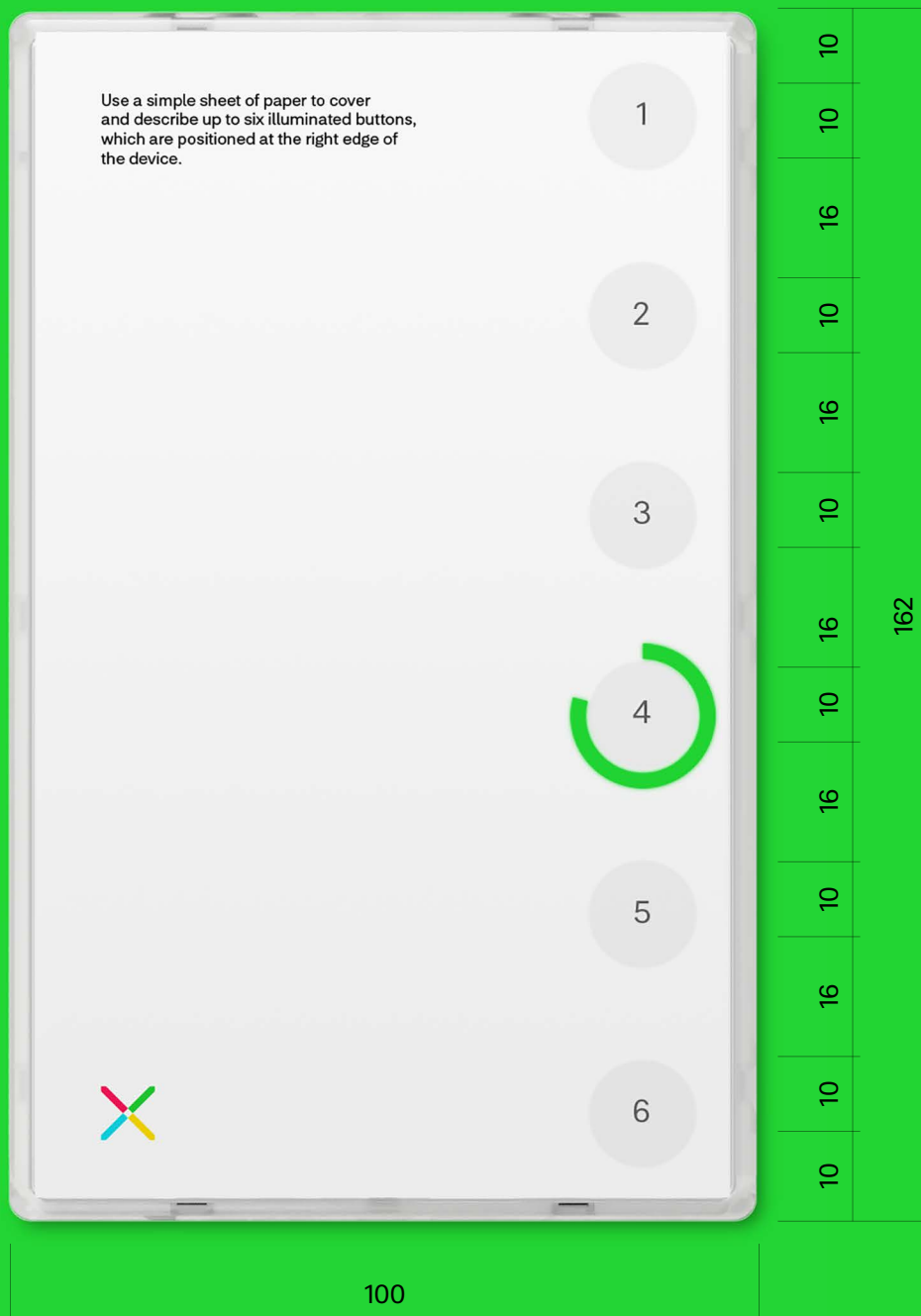
Bluetooth

BUTTON BOARD


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SIZE

Dimension: 100×162×9 mm
Six illuminated buttons

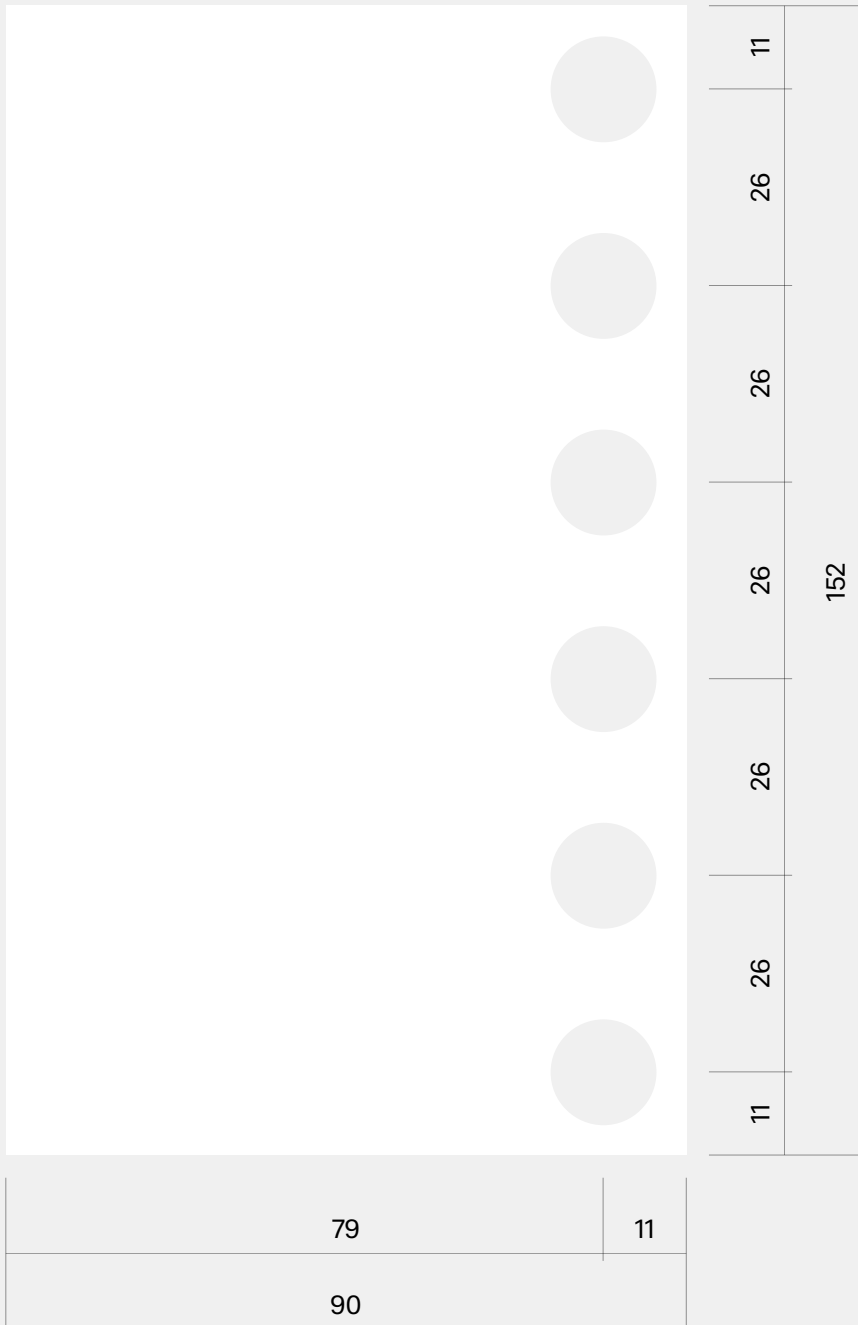


BUTTON BOARD

Oxon designed and
creates hard- and software 

SIZE

Dimension Inlay: 90×152 mm



Download inlay: oxobutton.ch/inlay