

# WS101



## Smart Button

For controls, trigger scenarios and SOS alarms

**WS101 is a wireless LoRa smart button for controls, triggers and alarms.**

**WS101 supports multiple press actions, which can be configured to control devices or trigger scenarios.**

**WS101 comes in a version with a red button that is primarily used to send SOS alarms.**

**WS101 is applied in smart homes, smart offices, schools, hotels, etc.**

**WS101 comes with a built-in LED indicator and buzzer for press actions, network status and low battery indication.**

**WS101 is equipped with NFC for Android mobile app configuration.**

**WS101 is compliant with standard LoRaWAN<sup>®</sup> gateways and network servers.**

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### Wireless transmission

Technology	LoRaWAN®
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923
Tx Power	16dBm(868)/22dBm(915)/19dBm(470)
Sensitivity	-137dBm @300bps
Mode	OTAA/ABP Class A

### Interfaces

Button	1 × External button + 1 × Internal power reset button
LED indicator	1
Buzzer	1



Gateway UG65



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### Physical characteristics

Power supply	1 × 1650 mAh ER14335 Li-SOCl <sub>2</sub> battery
Battery life	9 years (10 push actions per day, SF7 for EU868) 6.5 years (10 push actions per day, SF10 for EU868)
Operating temp	-30°C to +60°C
Relative humidity	0% to 90% non-condensing
Ingress protection	IP30
Dimension	50 × 50 × 18 mm (1.97 × 1.97 × 0.71 in) Button Φ20 mm (Φ0.79 in)
Installation	On the flat surfaces with screws or 3M tapes or lanyard
Material	White anti-flaming polycarbonate with white or red push button

