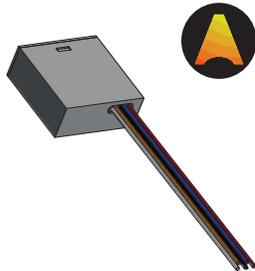# Bluetooth 4CH push button interface
ITC-PB & ITC-PB24

⚡ **Warning!**
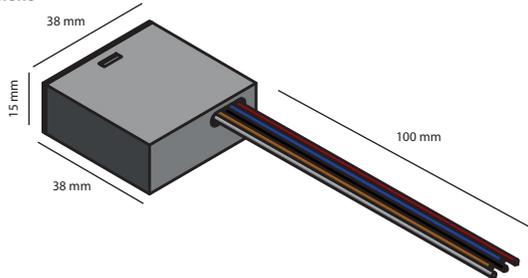Only qualified professionals should make the connections

Description

This interface is designed to connect any 'normal open' push button to a casambi network. Powered by a battery the interface doesn't need more cabling then the wires between the interface and the push buttons. 1 to 4 push buttons can be used and they can be configured in the app to control a lamp, a group of lamps, a scene/animation or just control all lamps in one press.

The box is small enough to fit any wall box and the wires are a size that will fit any screw terminal. The interface is compatible with all products that are compatible with the casambi bluetooth network.

Each time a button is pressed the module will be activated for a few seconds and then goes automatically in a standby mode. This in order to preserve the battery capacity. Battery status can be checked in the app on the 'switches' screen.

To ensure a long battery life this interface will not be active in the bluetooth mesh the whole time. You can't use this as a mesh 'repeater'
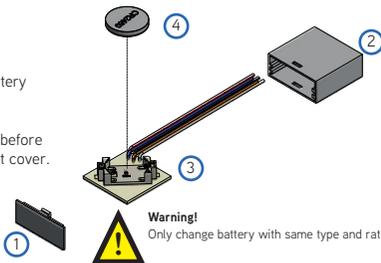
Dimensions
38 mm
15 mm
38 mm
100 mm

Battery replacement
When battery indicator is showing a low level a new battery will be needed.
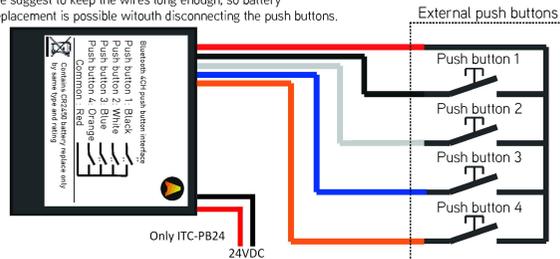Battery is available as spare part

- Remove the cover (1) from the box (2).

- Pull out the pcb (3) slowly untill the battery (4) can be removed.

- Replace battery and assure it is locked before sliding the pcb back in and putting the lit cover.

⚠️ **Warning!**
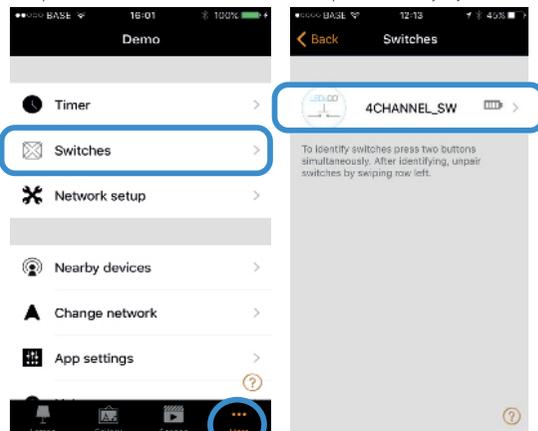Only change battery with same type and rating

Connection diagram
Wires connected to the external push buttons
We suggest to keep the wires long enough, so battery replacement is possible without disconnecting the push buttons.

External push buttons

Bluetooth 4CH push button interface
Push button 1 Black
Push button 2 White
Push button 3 Blue
Push button 4 Orange
Common Red
Contains CR2450 battery replace only by same type and rating

Push button 1
Push button 2
Push button 3
Push button 4
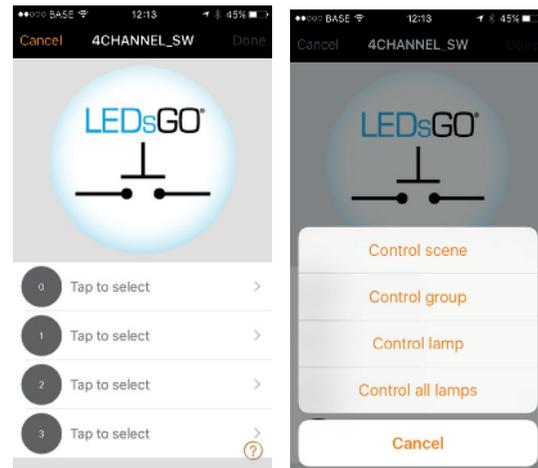
Only ITC-PB24
24VDC

Setup your push button interface
Follow these simple steps to configure your device into a network.

1. Open the casambi app and login to your network. If you do no have a network yet we recommend to configure the casambi ready output module first. By this you wil generate a network.
2. Power up the push button interface by continious pressing on any button you want. For example connect red en black wire with each other. By doing this the module will start. You can now find the modules in the "nearby devices" screen.
3. Tap on the switch icon and ad the device to the desired network.
4. Now the device is added to the network you can add functions to the buttons. Open up the 'more' screen.
5. Tap on switches
6. Tap on the switch you just added

7. You will see an overview of the buttons
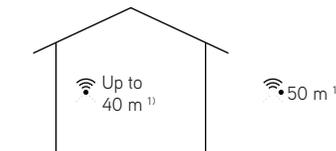8. choose the function for the button

Control scene
Control group
Control lamp
Control all lamps
Cancel

Casambi App
The must have app for configuring casambi ready products

Download on the App Store
ANDROID APP ON Google play

Compatible devices:
iPhone 4S or later
iPad 3 or later
iPod Touch 5th gen or later
Android 4.4 KitKat or later devices produced after 2013 with full BT 4.0 support

Range

Up to 40 m [1]
50 m [1]

Casambi uses mesh network technology so each output module acts also as a repeater. Longer ranges can be achieved by using multiple casambi ready output units.

[1] Range is highly dependant on the surrounding and obstacles, such as walls and building materials.

Technical data

Power
Battery type — CR2450 - 3V
ITC-PB24 with 24VDC connection

Push button input
Max. current: — 0.2 mA

Radio transceiver
Operating frequencies: — 2,4...2,483 Ghz
Maximum output power: — +4 dBm

Operating conditions
Ambient temperature, ta: — -20...+45°C
Storage temper — -20...+75 °C
Max. relative humidity — 0...80%, non-cond.

Wires
Wire type — 22AWG

Mechanical data
Dimensions: — 38 x 38 x 15 mm
Weight: — 0,05 Kg
Degree of protection: — IP20 (indoor use only)

Partnumbers
Bluetooth 4ch push button interface with battery — ITC-PB
With 24VDC connection — ITC-PB24

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