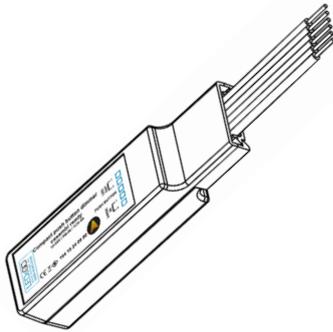


164 19 24 26 59 - Bluetooth controlled push dimmer 2ch monochrome / Tunable white



This casambi ready led controller/dimmer is designed to be used with monochrome types and tunable white types of LEDex. The voltage that is connected at the input will be found at the output so be sure that the used power supply and led type are rated on the same voltage. You can change the module from the monochrome to the tunable white mode in the app. The method to do this is described in this document.

The module also has a push button connection. This can be used to control the connected led lights. Short press will result in ON or OFF and a long press will dim the light until you release the button. The push button can also be configured to control a scene or another casambi module in the same network

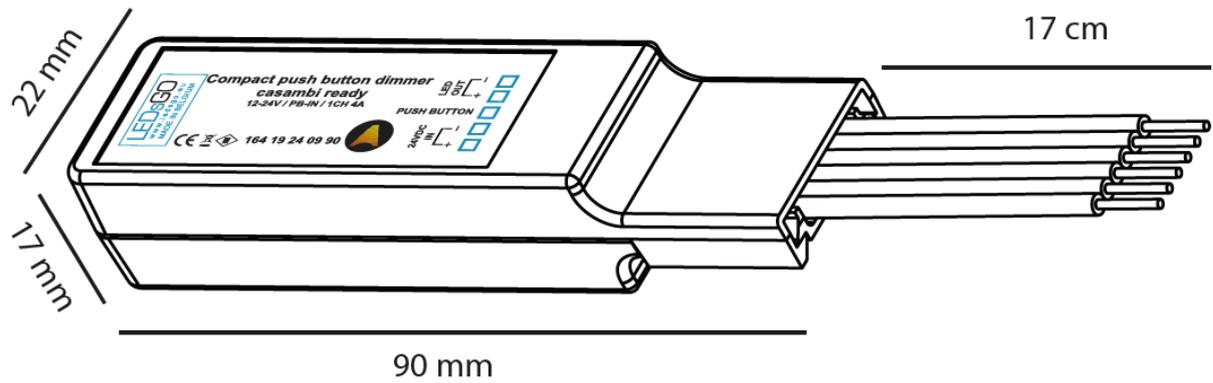
1. Specifications

Input	
Voltage Range	12 - 24Vdc
Output	
Output amps	4A
Voltage range	12 - 24Vdc (same as input)
Push button input	
Max. current	0,2mA @ 24Vdc Vcc
Radio transceiver	
Operating frequencies	2,4 ... 2,483GHz
maximum output power	+4 dBm
Operating conditions	
Ambient temperature, ta	-20...+45° C
Storage temperature	-25...+75° C
Max. relative humidity	0...80%, non-cond
Connectors	
Wire range, solid & stranded	0,2-2,5 mm ²
Tightening torque	0,4 Nm / 4 Kgf.cm / 2,6 Lb-In
Mechanical data	
Dimensions	90 x 70 x 32 mm
Weight	0,1Kg
Degree of protection	IP20 (indoor use only)
Partnumbers	
Bluetooth compact dimmer Casambi ready 2CH / 2x4A / TW	164 19 24 26 59

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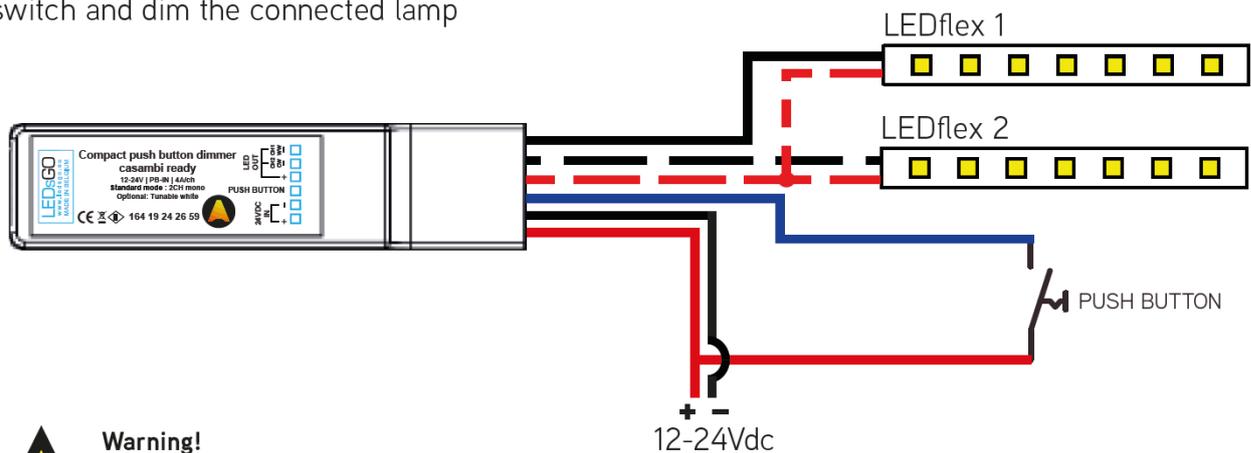
2. Dimensions



2. Wiring

2ch monochrome

switch and dim the connected lamp



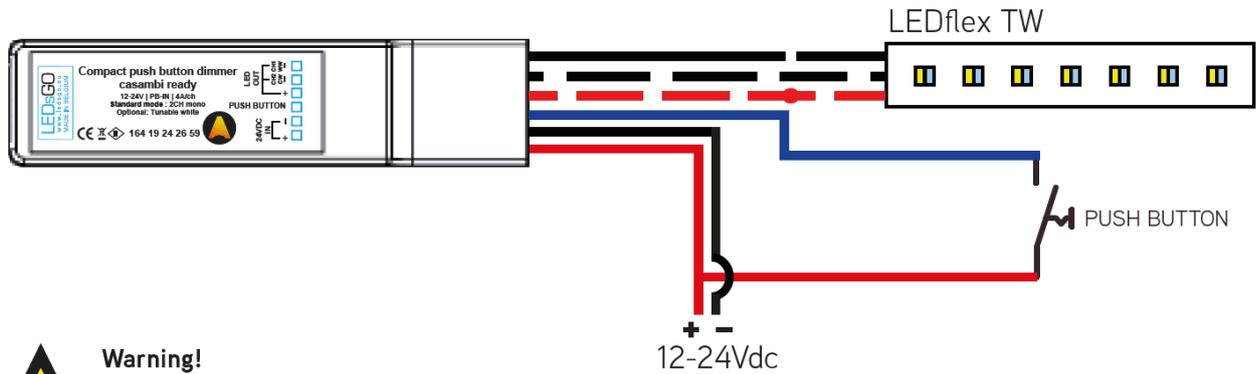
Warning!
Risk of fire. Do not short circuit the outputs

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tunable white

switch and dim the connected lamp



Warning!

Risk of fire. Do not short circuit the outputs

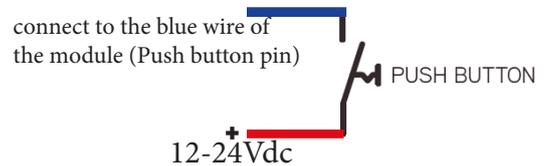
Note 1. This device is a built-in class II device. Use double insulated wires or an external mounting box if the device is not mounted inside another insulated device.

2. Push button

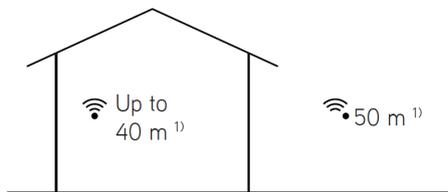
When you connect voltage and 2 monochrome LEDflexes / tunable white LEDflex to the correct wires, you can control the LEDflexes without setting anything and without connecting to your mobile device. You do this by connecting the blue wire to the 24V wire. You can do this by placing a switch between them. A short press on the switch results in an on/off. If you operate the switch for a long time, you dim the LEDflex.

See the diagrams above for correct push button connections.

By adding the module to a casambi network the push button input can not only be used on the ledflex attached to the module but it can also be configured to control other lamps, groups or scenes in the same network.



3. Range



¹⁾ Casambi uses mesh network technology so each module acts also as a repeater. Longer ranges can be achieved by using multiple casambi ready units.

Range is highly dependant on the surrounding and obstacles, such as walls and buildig materials.



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

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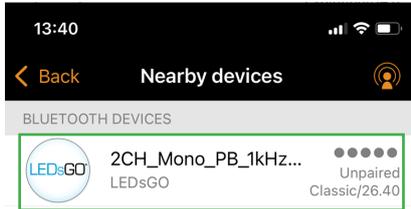
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3. Change between 2ch monochrome and tunable white mode

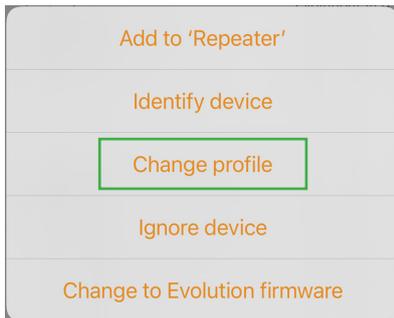
This module comes standard in a 2ch monochrome mode. This means the two outputs of the module can be used to drive two lengths of ledex and you will be able to control them separately by tapping long time on the icon.

In order to change into tunable white mode please follow the instructions below.

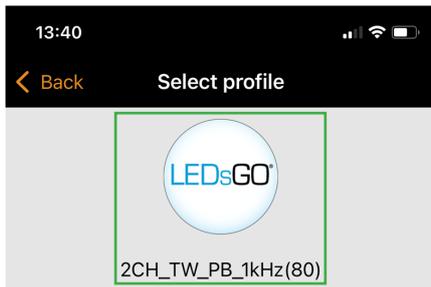
1. Open the app and go to Nearby Devices
2. Select the module by tapping on it.



3. Choose select profile



4. You will see the available profiles. If you now push on 2ch_TW_PB icon the module will be reconfigured as a tunable white device.



If you would like to return to the monochrome mode you will need to do the same steps. You will see that the available mode will be 2ch monochrome then.

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