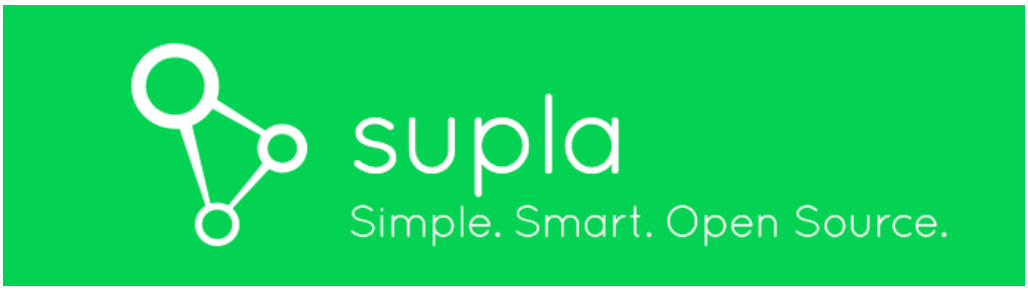


ESP-01-LED-DIMMER

User manual

Qb4-dev

Version 1.0

Table of Contents

1. Safety

ESP-01-LED-DIMMER is an amateur DIY device. Installation and use require adherence to electrical safety rules. The device may only be used for private purposes. The author of the device is not responsible for its improper use.

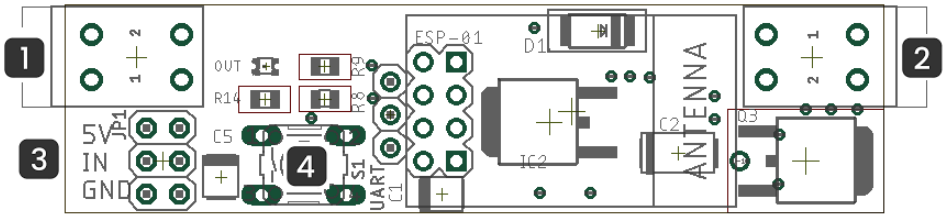
Electrical device under voltage. Before performing any tasks related to power supply (connecting wires, installing the device, etc.), ensure that the device is disconnected from power. Installation should be carried out by a person with appropriate electrical qualifications.

2. Technical Description

2.1. General Information

Power Supply	12V/24V DC
Maximum Load	3A
Dimensions	63mm x 16mm x 10mm
WiFi Module ESP8266	802.11 b/g/n standard 2.4GHz
Default Network Address Configuration	DHCP
Ports used for communication	TCP:2015

2.2. Terminal Description



1. Power Supply:

2	12V/24V DC
1	GND

2. LED Output:

1	LED+
2	GND

3. Sensor/Button Inputs:

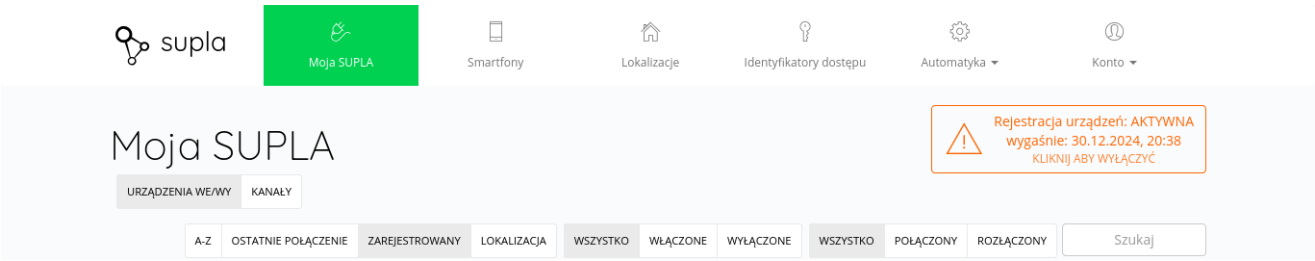
1	1	+5V
2	2	IN1/IN2
3	3	GND

4. Configuration Button:

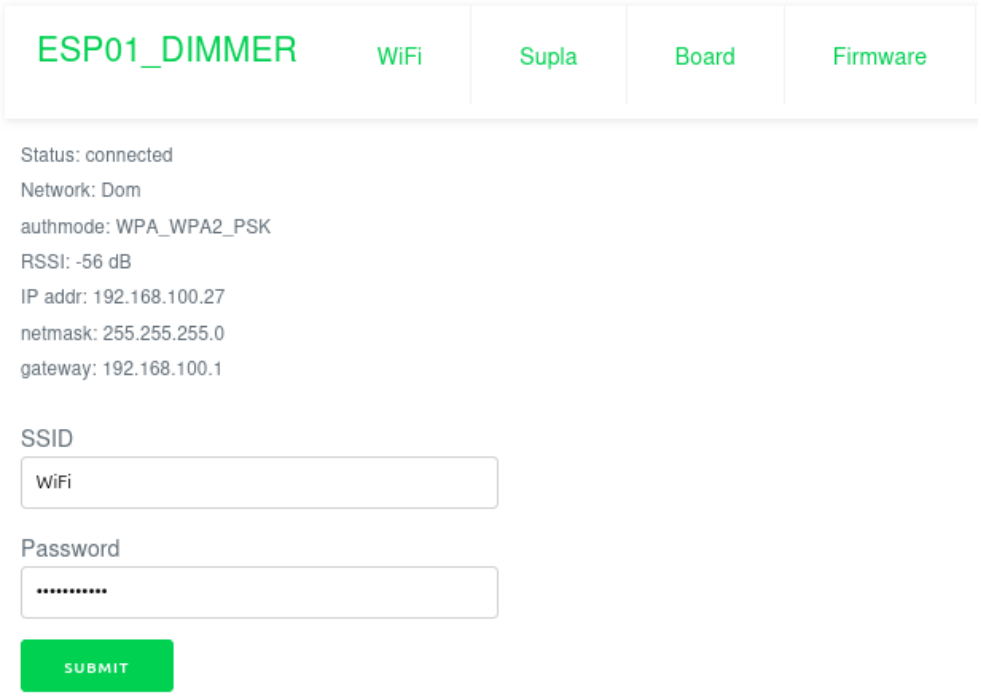
Event	Effect
click x1	Brightness +25%
hold > 3s	Configuration mode

3. Connecting to SUPLA Cloud

1. Register at https://cloud.supla.org (registration is free)
2. In the **My SUPLA** view, enable the **Device Registration ACTIVE** option

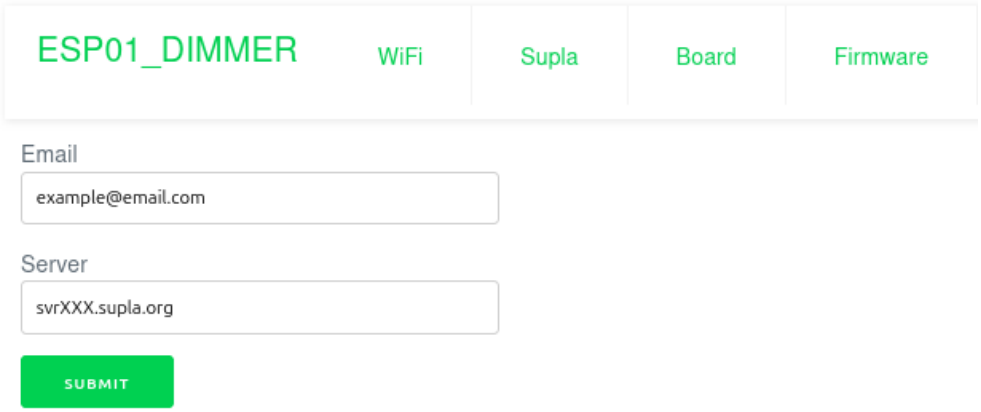


3. Put the device into configuration mode by holding the **CONFIG** button for 3 seconds
4. Connect to the WiFi network named **SUPLA-ESP-01-LED-DIMMER-XXXX** using any device with WiFi capability and a web browser
5. Open the device configuration page by navigating to http://192.168.4.1 in a web browser
6. In the **WiFi** tab, enter the name and password of the WiFi network through which the device will access the Internet



After saving the settings, access passwords are not displayed to prevent unauthorized persons from reading them.

7. In the **SUPLA** tab, enter the SUPLA account email address and the server address



The server name can be found after logging in to cloud.supla.org

4. Board Configuration

4.1. Information

ESP-01-LED-DIMMER can work with PIR motion sensors connected to the **IN1** and **IN2** inputs. Both inputs, as well as the configuration button, can generate **ACTION TRIGGER** events that can be assigned reactions in SUPLA-Cloud.

4.2. Parameters

The table below lists the configurable parameters of the board available through the configuration page in the **BOARD** tab.

Group	Identifier	Description
IN1	ACTIVE LEVEL	Active signal level from the sensor on input **IN1**: **LOW** - low **HIGH** - high
	OFF DELAY	Dim delay after the signal disappears on input **IN1**
IN2	ACTIVE LEVEL	Active signal level from the sensor on input **IN2**: **LOW** - low **HIGH** - high
	OFF DELAY	Dim delay after the signal disappears on input **IN2**
REDUCE BRIGHTNESS	ENABLED	Brightness reduction enabled
	BRIGHTNESS	Maximum brightness during the specified period
	FROM	Start of the reduced brightness period
	TO	End of the reduced brightness period
PAUSE	ENABLED	Pause enabled - lighting will be inactive during the specified period
	FROM	Start of the pause period
	TO	End of the pause period