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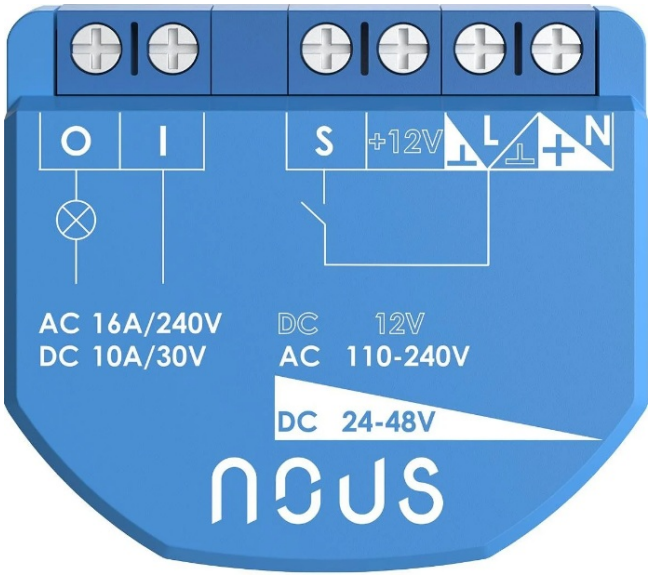
NOUS B1T WiFi Tasmota Switch Module



Specifications

- **Model:** Nous 1 Smart Switch
- **Connectivity:** Wi-Fi 2.4 GHz
- **Control:** Button press
- **Programming:** UART connectors

Product Usage Instructions

Precautions

For safety reasons, always insert the plug fully into the outlet when in use.

Design and Controls

- **Name:** Button
- **Description:** A short press of the button switches the device ON/OFF.
- **Indicator:** Shows the current status of the device.
- **UART:** Connectors for device programming.

Installation Procedure

1. Connect the switch as shown in one of the electrical diagrams.
2. When the installation is complete, the device is ready to use.

Connection

A smartphone or personal PC is required to connect the Nous 1 switch.

1. Ensure the network frequency is 2.4 GHz.
2. Connect the device to the network.
3. Connect to the hotspot tasmota-xxxxxxx.
4. Access 192.168.4.1 in the browser if not automatically redirected.
5. Select your access point, enter its password, and save.
6. Upon successful connection, the device address will appear.
7. Connect to your Wi-Fi network using the specified address.
8. Calibrate the device for the power source as needed.

Additional Information

To reset to factory settings, plug and unplug the device 6 times and leave it on for the 7th time. The LED should start flashing, indicating readiness to connect again. Alternatively, type “reset 1” in the console if web interface access is available.

INTRODUCTION

-  **NOTE:** Tasmota is not a commercial product, and support is limited. You must be willing to independently investigate and resolve potential issues.
- Detailed information on connection, changing settings, and modifications is presented on the website **https://tasmota.github.io/docs/**

Description

- The NOUS B1T smart switch with Tasmota open software installed (hereinafter – the switch) is designed to organize automatic and manual shutdown of electrical appliances in the room, through remote access via a Wi-Fi network, using a smartphone or from a personal computer via the Web interface. Communication with the switch is configured via a Wi-Fi network, for which a wireless Wi-Fi adapter is used. The switch is equipped with a mechanical button and a light indicator of the device’s status.

- The device is equipped with an electromechanical relay and supports the Matter protocol.

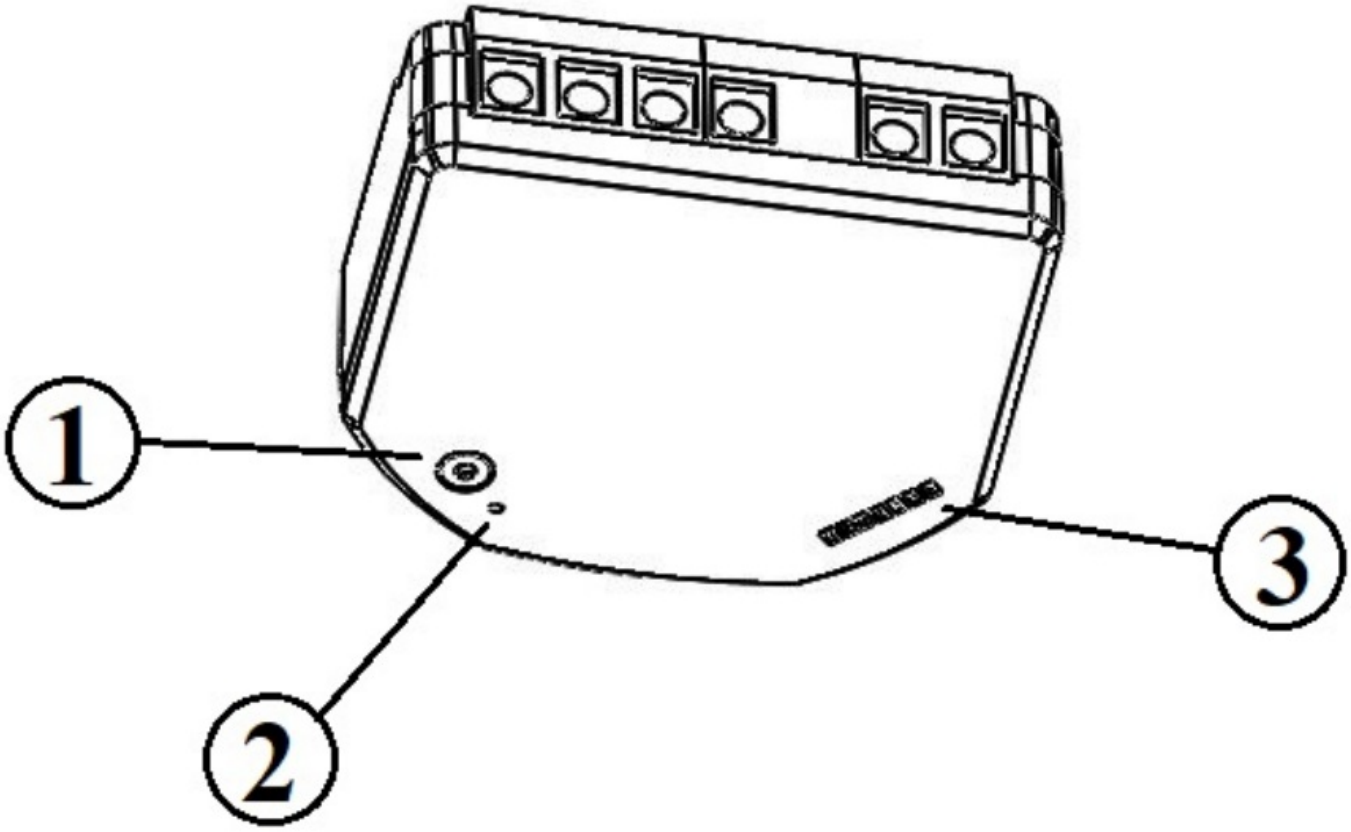
 **ATTENTION:**

The connection of a smart socket with a Wi-Fi network cannot be guaranteed in all cases, as it depends on many conditions: the quality of the communication channel and intermediate network equipment, the brand and model of the mobile device, the version of the operating system, etc.

PRECAUTIONS

- Read this manual carefully.
- Use the product within the temperature and humidity limits specified in the technical data sheet.
- Do not install the product near heat sources such as radiators, etc.
- Do not allow the device to fall and be subject to mechanical loads.
- Do not use chemically active and abrasive detergents to clean the product. Use a damp flannel cloth for this.
- Do not overload the specified capacity. This may cause a short circuit and an electric shock.
- Do not disassemble the product yourself – diagnostics and repair of the device must be carried out only in a certified service center.
- Please contact the seller for a replacement if there is damage caused by shipping. Please insert the plug into the outlet in a proper condition and away from children.
- For safety reasons, insert the plug fully into the outlet when in use.

Design and controls

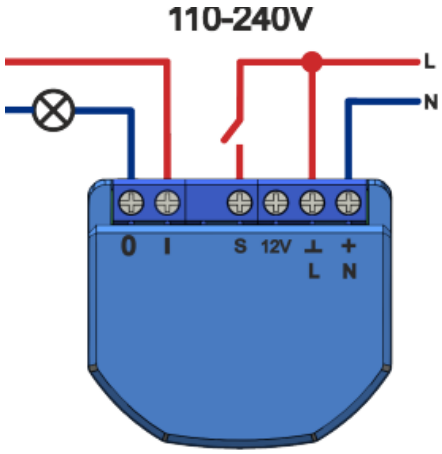


№	Name	description
1	Button	A short press of the button switches the d evice “ON” or “OFF”.
2	Indicator	Shows the current status of the device
3	UART	Connectors for device programming

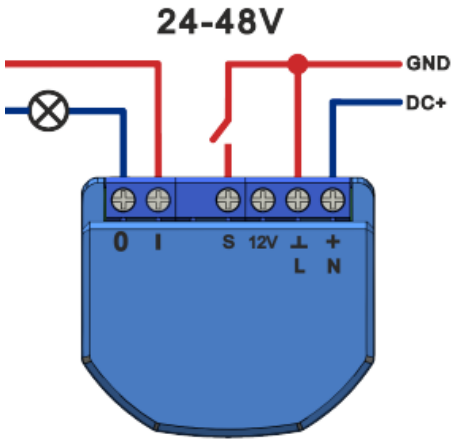
Assembly

Installation procedure:

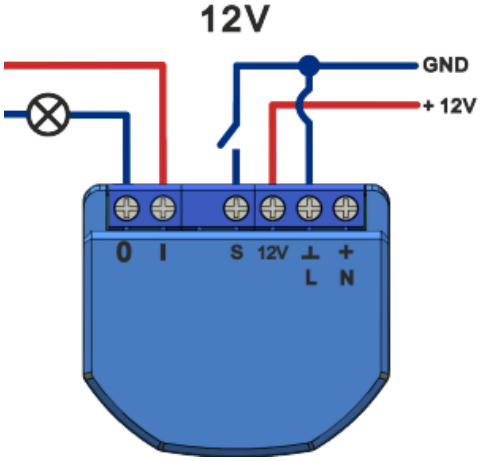
1. Connect the switch as shown in one of the electrical diagrams.



2. **Marking:**
    - **0-** relay output terminal
    - **I-** relay input terminal
    - **S-** switch input terminal
    - **L-** Live (110- 240V) terminal
    - **N-** Neutral terminal
    - **+12V-** DC positive terminal
    - **GND-** DC ground terminal
    - **DC+-** DC positive terminal



3. When the installation is complete, the device is ready to use.
    - **Importantly,** make sure that the Wi-Fi network is stable and has a sufficient level in the chosen installation location.

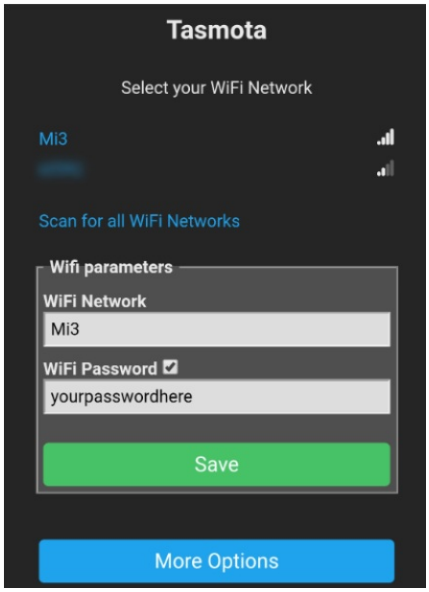


Connection

A smartphone or personal PC is required to connect the Nous B1T switch.

The procedure for connecting the switch to the Wi-Fi network:

1	Make sure that the frequency range of the network to w hich the device will be connected is 2.4 GHz; otherwise, the switch will not connect, since the device is not desig ned to work with 5 GHz Wi-Fi networks.
2	Connect the device to the network. On the PC, the acce ss point “tasmota-xxxxxxxx” should appear in the list of networks. If the access point is not detected, you need t o perform a “RESET” according to point 11
3	Connect to hotspot “tasmota-xxxxxxx”
4	After connecting to the access point, the browser will au tomatically open and go to the link 192.168.4.1. If this op eration was not followed, then you need to open the bro wser and enter 192.168.4.1 in the address input field
5	On the open page, you need to select your access point and enter its password in the field below and click “Save .”

	
6	When the connection is complete, the inscription “Succe ssfully connected to Wi-Fi” and the address of your devi ce on the network will appear
7	Connect to your Wi-Fi network and go to the address th at was specified in point 6
8	You will need to calibrate the device for the power sourc e. You can find how to do it here: **https://tasmota.githu b.io/docs/Power-Monitoring-Calibration/**
9	The device is ready for use. The template and rules are already activated, but if you need it later, you can find it below

NOUS B1T

Tasmota

Matter: No active association

Commissioning open for 10 min

Manual pairing code:
2233-211-2027

MT:Y.K90AFN006XRQ1VF00

OFF

Toggle

Configuration

Information

Firmware Upgrade

Consoles

Restart

NOUS B1T

Tasmota

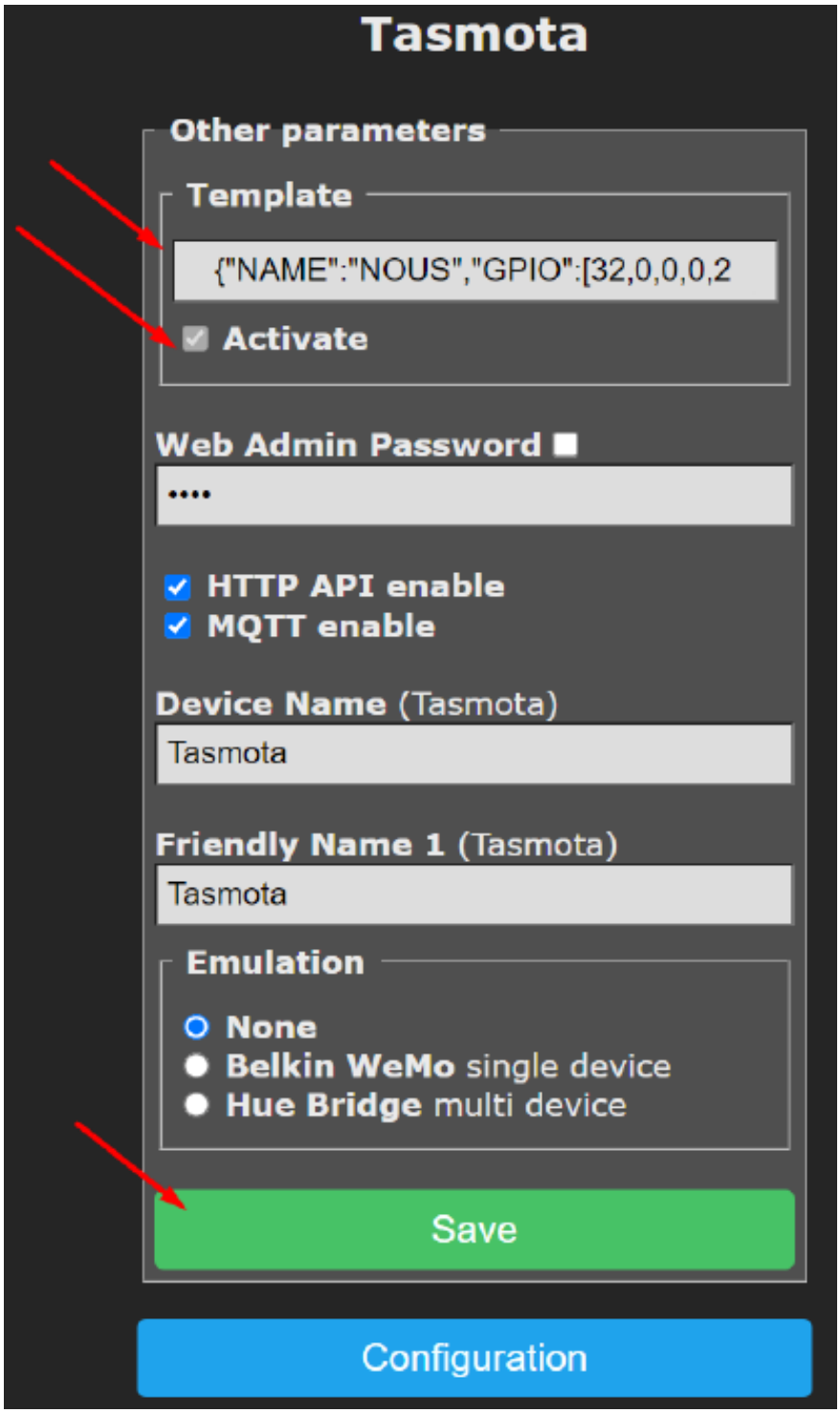
Template parameters

Name	NOUS B1T
Based on	ESP32-DevKit (1)

GPIO0	LedLink	
GPIO1	None	
GPIO2	User	
GPIO3	None	
GPIO4	Button	
GPIO5	Switch	
GPIO6	None	
GPIO7	None	
GPIO8	None	
GPIO9	User	
GPIO10	User	
GPIO11	None	
GPIO12	Relay	
GPIO13	None	
GPIO14	None	
GPIO15	User	
GPIO16	User	
GPIO17	User	
GPIO18	None	
GPIO19	User	
GPIO20	None	
GPIO21	User	
GPIO22	User	
GPIO23	User	
GPIO24	None	
GPIO25	User	
GPIO26	User	
GPIO27	User	
GPIO32	User	
GPIO33	User	
GPIO34	User	
GPIO35	None	
GPIO36	User	
GPIO37	None	
GPIO38	None	
GPIO39	User	

Save

	{“NAME”: “NOUS B1T”, “GPIO”:[544,0,1,0,32,160,1,1,224,0,0,1,1,1,0,1,0,1,1,1,0,1,1,1,0,0,0,0,1,1,1,0,1,0,0,1],”FLAG”:0,”BASE”:1} The template must be entered in the “Template” field, check “Activate” and save the changes:

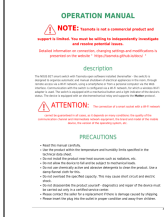
10	
11	To reset the device to factory settings, you need: Plug a nd unplug the device 6 times and leave it on for the 7th – the LED should start flashing, it means it is ready to co nnect again; If there is access to the web interface, then type ” **reset 1**″ in the console and press Enter.
12	To connect the device to smart home systems using the **Matter** protocol, read the following information: https://tasmota.github.io/docs/Matter/

Tasmota is a highly extensible and flexible application that can be integrated with: Alexa, AWS IoT, Domoticz, Home Assistant, Homebridge, HomeSeer, IP Symcon, KNX, NodeRed, nymea, OctoPrint, openHAB, Otto, IOBroker, Mozilla WebThings Adapter, SmartThings, Tasmohab, Homematic IP, etc. For more information, see here: **https://tasmota.github.io/docs/Integrations/**

Frequently Asked Questions

- **Q: Is Tasmota a commercial product?**
  - **A:** No, Tasmota is not a commercial product. Support is limited, and users may need to investigate and resolve issues independently.
- **Q: What network frequency does the Nous 1 switch support?**
  - **A:** The Nous 1 switch is designed to work with 2.4 GHz Wi-Fi networks. It does not support 5 GHz networks.

Documents / Resources

	NOUS B1T WiFi Tasmota Switch Module [pdf] Instruction Manual B1T, B1T WiFi Tasmota Switch Module, B1T, WiFi Tasmota Switch Module, Tasmota Switch Module, Switch Module, Module

References

- User Manual

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