

 This repository Search

Pull requestsIssuesGist

 + 

arendst / Sonoff-MQTT-OTA-Arduino

Watch 96Star 386Fork 133

<> Code🕒 Issues 29🔗 Pull requests 4📁 Projects 0📖 Wiki📈 Pulse📊 Graphs

MQTT Features

[Edit](#) [New Page](#)

zephyrr edited this page 16 days ago · 11 revisions

Sonoff responds to the following MQTT commands using MQTT Topic for `cmnd/sonoff/<command>` and MQTT Message/Payload for `<parameter>` :

► Pages 14

- the relay can be controlled with `cmnd/sonoff/power on`, `cmnd/sonoff/power off` OR `cmnd/sonoff/power toggle`. The LED will blink twice and sends a MQTT status message like `stat/sonoff/POWER ON`. The same function can be initiated with `cmnd/sonoff/light on`.
- starting with version 3.0.0 the power state message can be sent with the retain flag set. Enable this with `cmnd/sonoff/PowerRetain on`.
- starting with version 3.0.0 for sonoff dual the relays need to be addressed with `cmnd/sonoff/power1 toggle` and `cmnd/sonoff/power2 toggle`. From version 2.0.0 until version 3.0.0 the relays could be addressed with `cmnd/sonoff/1/power toggle` and `cmnd/sonoff/2/power toggle`.
- the MQTT topic can be changed with `cmnd/sonoff/topic sonoff1` which reboots sonoff and makes it available for MQTT commands like `cmnd/sonoff1/power on`.
- the OTA firmware location can be made known to sonoff with `cmnd/sonoff/otaur1 http://domus1:80/api/sonoff/user1.bin` where `domus1` is your webserver hosting the firmware. Reset to default with `cmnd/sonoff/otaur1 1`.
- upgrade OTA firmware with `cmnd/sonoff/upgrade 1`.
- show all status information with `cmnd/sonoff/status 0`.
- The button can send a MQTT message to the broker that in turn will switch the relay. To configure this you need to perform `cmnd/sonoff/ButtonTopic sonoff` where `sonoff` equals to Topic. The message can also be provided with the retain flag by `cmnd/sonoff/ButtonRetain on`.
- Sonoff Pow status can be retrieved with `cmnd/sonoff/status 8` or periodically every 5 minutes using `cmnd/sonoff/TelePeriod 300`. If units appended to the message are needed execute command `cmnd/sonoff/MqttUnits on`.
- When a Sonoff Pow threshold like `PowerLow` has been met a message `tele/sonoff/POWER_LOW ON` will be sent. When the error is corrected a message `tele/sonoff/POWER_LOW OFF` will be sent.

Most MQTT commands will result in a status feedback like `stat/sonoff/POWER ON` and/or `{"POWER":"ON"}` depending of `cmnd/sonoff/MessageFormat Legacy|JSON`. The power state will ALWAYS be returned in Legacy mode (for easy triggering by home automation tool) and optionally in JSON.

Telemetry data will be sent by prefix `tele` like `tele/sonoff/TEMPERATURE 24.7`

Home

Getting Started

- [Prerequisite](#)
- [Compile and Upload](#)

Usage

- [Button](#)
- [MQTT Features](#)
- [Commands](#)

Tips


- [MQTT for Newbies](#)
- [General](#)
- [Sonoff Dual](#)
- [Sonoff Pow](#)
- [Sonoff RF](#)
- [Domoticz](#)

User Experience

- [Remote Button](#)
- [Modified Kaku](#)

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