



Z-WAVE.ME Z-UNO

Perfect solution for DIY! Connect LEDs, buttons, switches, motors or any low voltage sensor including most of Arduino compatible sensors. Create your personalized Z-Wave device by writing sketch in simplified C language. Perfect companion for you RaZberry gateway.

USE YOUR IMAGINATION TO CREATE:

- battery powered in-wall remote switch
- rotary dimmer control
- temperature/soil humidity/luminosity/voltage/distance or any other sensors as well as dry contact sensor or tick counter
- relay switch
- IR blaster
- LED driver
- motor driver
- battery powered keypad
- converter from any protocol to Z-Wave (using SPI/UART/I2C/1-wire bus)
- ... or any other device you dreamed about

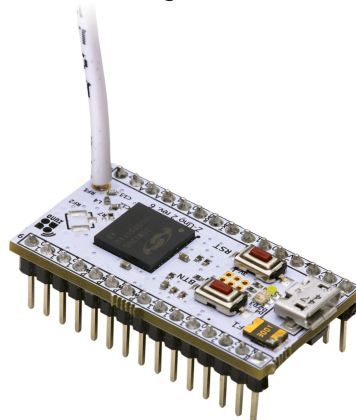
MAKE YOUR OWN Z-WAVE DEVICE:

- control any Arduino compatible peripherals
- define your own logic by modifying your sketch
- use Arduino IDE and language to write and upload sketches
- easy to use
- requires no knowledge of Z-Wave protocol
- complete DIY solution

* overlaps with special hardware controllers

HARDWARE SPECIFICATION:

- 40 kB Flash memory for your sketches
- 8 kB RAM
- 2 kB EEPROM
- Z-Wave RF transmitter at 9.6/40/100 kbps
- 26 GPIO, 15 are 5V tolerant, 5 are able to wakeup device from deep sleep
- 4 ADC
- 4 PWM
- 3 UART
- 3 SPI
- 16 interrupts
- 1 I2C
- 2x16Bit timers, 1x32 bit timer (GPT)
- 1-Wire (software) *
- 2 service LEDs
- 1 service button
- 1 user test LED
- CSEN interface for capacitive touch-buttons
- LDMA controller for fast data transfers
- 32Bit Cortex M4F @ 39Mhz CPU



CHANNEL TYPES:

- Binary Switch
- Multilevel Switch
- Color Switch *
- Binary Sensor
- Multilevel Sensor
- Meter

Z-WAVE SUPPORTED FEATURES:

- Z-Wave Plus V2 compliant
- Support of Z-Wave Smart Start technology
- Z-Wave Long Range support
- All Z-Wave frequencies
- AES 128 bit Security S2 and S0 modes
- OTA or USB Firmware updates
- Multichannel (32 channels)
- 32 Association groups
- Controls switches, dimmers, door locks and scenes
- Works with gateways and/or directly with other Z-Wave devices

* will be implemented soon

POWER MODE:

- USB 5 V, external 3 V, external 4-18 V or battery
- always on, sleeping or FLiRS (Frequently Listening)



More info on <https://z-uno.z-wave.me>

