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Your little magic for the smartest home.

USER MANUAL EN

QUBINO RGBW DIMMER

The Qubino RGBW Dimmer is ideal for dimming RGB/RGBW strips, LED strips and bulbs, or even halogen bulbs. It can create different lighting effects (scenes) and adjust the color and intensity of the light source.

EN

Table of contents

EN

About Qubino

Qubino is a family of innovative Z-Wave modules, many of them the smallest of their kind in the world. Numerous breakthrough innovations, 100% quality control and responsive customer service make Qubino the number one choice for ambitious DIYers.

Qubino enables you to transform – inexpensively and invisibly – any traditional electric device into a smart, connected one which you can control with your smart phone. Qubino modules are simple to install and use, but also extremely versatile - if you are a demanding and ambitious DIYer, there is also a wealth of additional features and parameters for you to play with.

What we really love to do is help dedicated DIYers – people who enjoy creating new ideas for their home and then using their hard work and skill to turn ideas into reality. We admire your passion and resourcefulness. We do our best to supply you with products that will enable you to create a unique and special home for yourself. We innovate so that you can be free to make the smartest home possible. With just a touch of magic.

"Simple is smart". We believe it is smart to make complex things simple. But only when this means simple for our customers, not for ourselves. We think a lot so that DIYers won't have to when it comes to installing or using our modules.

For more information visit: www.qubino.com

About Z-Wave:

The Z-Wave protocol is an interoperable, wireless, RF-based communications technology designed specifically for control, monitoring and status reading applications in residential and light commercial environments. Mature, proven and broadly deployed (with over 50 million products sold worldwide), Z-Wave is by far the world market leader in wireless control, bringing affordable, reliable and easy-to-use 'smart' products to many millions of people in every aspect of daily life.

Source: www z-wavealliance.org

EN

Safety Information

To ensure your safety, please read this manual carefully before device installation and follow the instructions herein. The manufacturer (GOAP d.o.o. Nova Gorica) shall not be legally responsible for any equipment damage or personnel injury caused by incorrect installation or operation other than that covered in this manual.

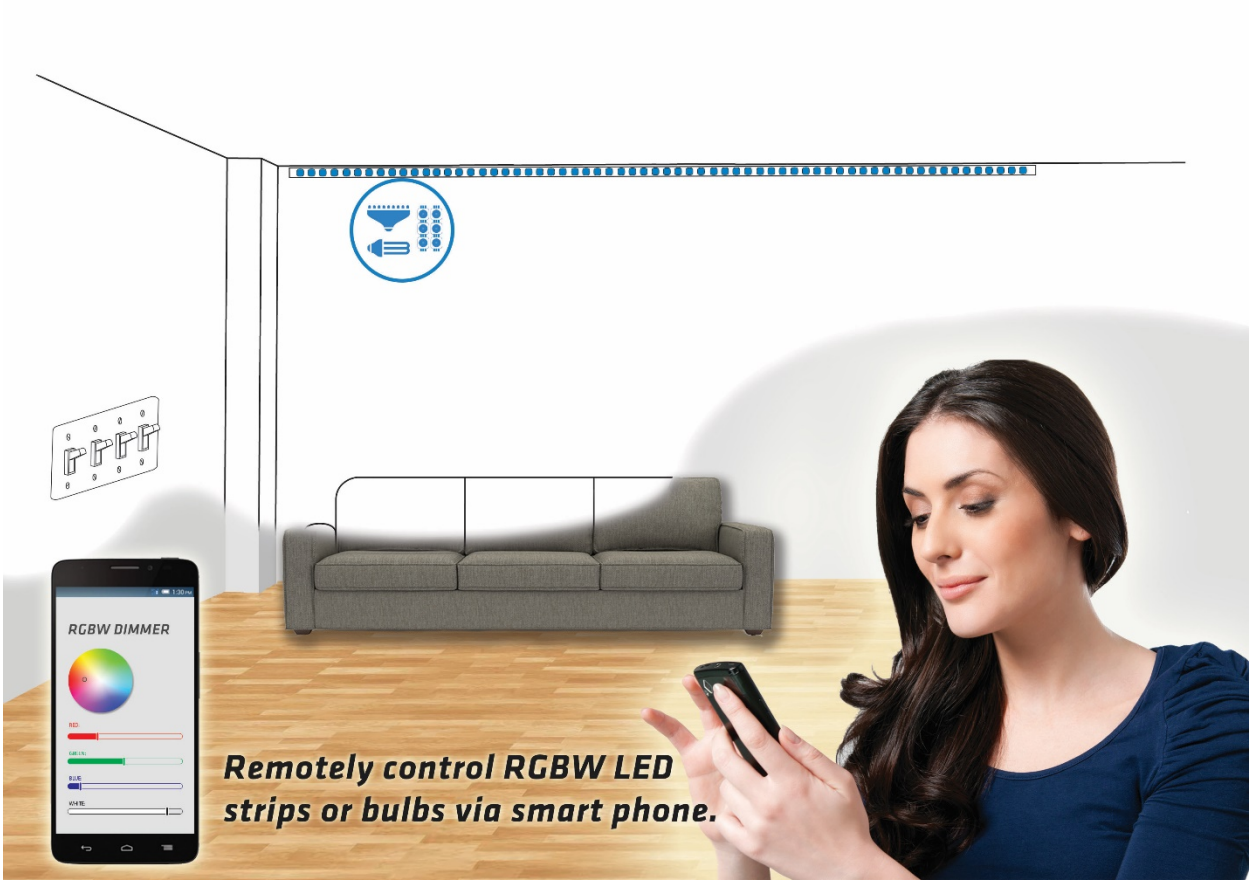
Flush RGBW Dimmer - Available Frequencies

ORDERING CODE	Z-WAVE FREQUENCY
ZMNHWD1	868,4 MHz
ZMNHWD2	921,4 MHz
ZMNHWD3	908,4 MHz
ZMNHWD4	869,0 MHz
ZMNHWD5	916,0 MHz
ZMNHWD8	865,2 MHz

EN

1. Introduction

The Qubino RGBW Dimmer is designed to control your RGB/RGBW strips and LED strips or bulbs in order to create countless color options and includes 6 special scene effects (Ocean, Lightning, Rainbow, Snow, Romantic and Party). The wide range of colors lets you "paint" your home according to your mood. Highlight your favourite wall by illuminating a picture on it in tones that you choose yourself. The module can work in combination with the other Z-Wave devices in your house. You can control it either remotely through the Z-Wave network or through wall switches.



Choose from among 16 million different shades. Change the colors of your rooms and the things in them and create lighting effects on outdoor surfaces such as summerhouses, paths or even the outlines of your house. Come home from work to a relaxing atmosphere created by a pre-set lighting scene. Use it to decorate your kitchen work surface or to light up the shower or the mirror in your bathroom. Whatever the weather outside, let your living room glow in warm and welcoming rainbow colors. And all this by simply tapping your smartphone or tablet!

The Qubino Flush RGBW Dimmer module can operate across a wide temperature range, from a chilly 0˚C to a scorching 40˚C (32˚–104˚F). Every module acts as a repeater in order to improve the range and stability of the Z-Wave network

2. Qubino Flush RGBW Dimmer Advantages and Highlights

- Qubino Flush Dimmer allows the easiest and quickest installation. It fits smoothly even in the smallest, most shallow and crowded flush mounting boxes which are stuffed with lots of electrical cables. All this is possible because Qubino Flush Dimmer is the smallest Z-Wave dimmer in the world.

- Qubino RGBW Dimmer has function to behave as usual dimmer and it also allows a direct connection of LED lights which are working on DC voltage.

- The Flush RGBW dimmer module is the only Z-Wave dimmer for controlling LED strips which can be used without a Z-Wave gateway. Without gateway you can use its functions with 4 push buttons:
  - Change Brightness (I1)
  - Change Colour (I2)
  - Turn on or off the scenes or change the scenes (I3)
  - Turn on the Q4 output (I4) - White colour on the RGBW strip

- Every Qubino module has guaranteed 100% quality control throughout the production process. Every product has a unique a serial number and a part number, which are assigned to the module only after it goes through strict testing procedure.

- By scanning the QR code on the back of your Qubino, the serial and part number of the module are automatically copied on user's mobile device and they can have direct access to Qubino's technical support team. With the help of serial and part number, the support team can check the production log file, which contains the date of production as well as all the relevant product parameters and information, so they are able to give the best support possible.

- Qubino Flush RGBW Dimmer is engineered and manufactured entirely in the EU and contains only the highest quality components.

- Qubino Flush RGBW Dimmer is safety certified by an independent European Institute and has LVC and EMC certificates.

EN

ADDITIONAL PRODUCT HIGHLIGHTS:

- Local and wireless control of all LED strips
- Use it with toggle and push-button (momentary) wall switches or hide it completely behind a dry wall
- Straightforward installation
- Remembers and restores its state after power outage
- Comes with auto-inclusion mode for the quickest set-up possible (add it to your Z-Wave network with one click)
- Schedule the switch to automatically turn on or off after a fixed period of time with the built-in timer*
- Equipped with over a dozen advanced parameters for further customization*
- Set minimum and maximum dimming levels*
- Go from 20% to full brightness with a double-click - no more pushing and holding*
- Customize ramp rate - regulate the speed which the dimmer adjusts brightness with*
- Equipped with strong signal repeater powered by Z-Wave Plus technology

*Your controller needs to support advanced configuration and parameter input to display these features.

CLICK HERE TO WATCH THE FLUSH RGBW DIMMER VIDEO ANIMATION

3. Package Contents

- Flush RGBW Dimmer Module
- Installation Manual

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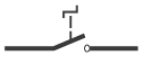
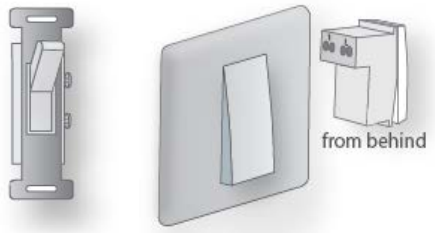
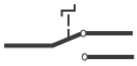
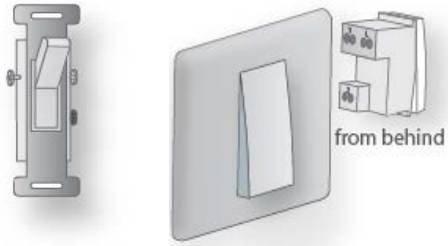
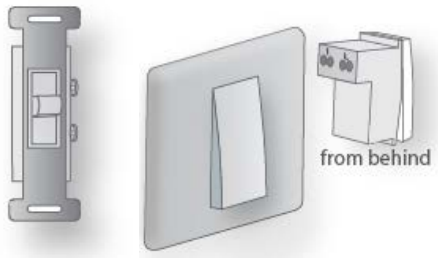
4. Technical Terms Used In the Manual

Symbol	Switch example images	Definition	EU	USA	Qubino	Other names
		Single pole, single throw (SPST)	One-way switch	Two-way switch (regular switch)	Toggle switch	Switch; Bi-stable switch
		Single pole, double throw (SPDT)	Two-way switch	Three-way switch	Two-way switch	
		Used when you have three or more switches controlling the same light	Intermedi-ate switch	Four-way switch	Intermedi-ate switch	Crossover switch; Cross connection
		After relasing it goes back to original state	Momentary switch		Momentary switch	Monostable switch; Push button

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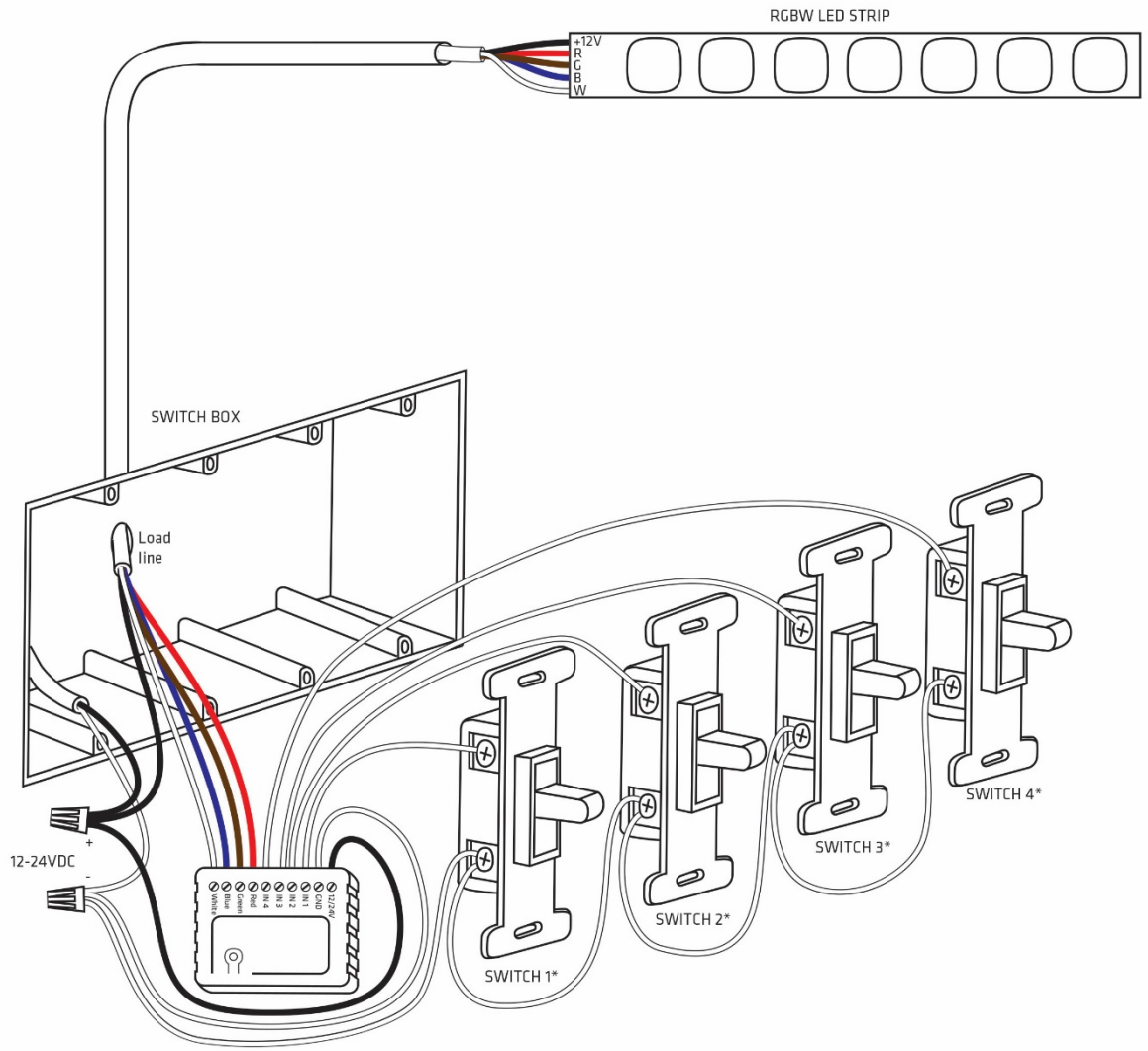
5. Installation



*SWITCH 1, 2, 3 and 4 CAN BE TOGGLE SWITCHES, MOMENTARY SWITCHES OR TOGGLE WITH MEMORY SWITCHES. YOU MUST SET THE PARAMETERS TO THE RIGHT VALUE FOR DIFFERENT TYPES OF SWITCHES.

Installation and wire connections are the same in USA and EU.

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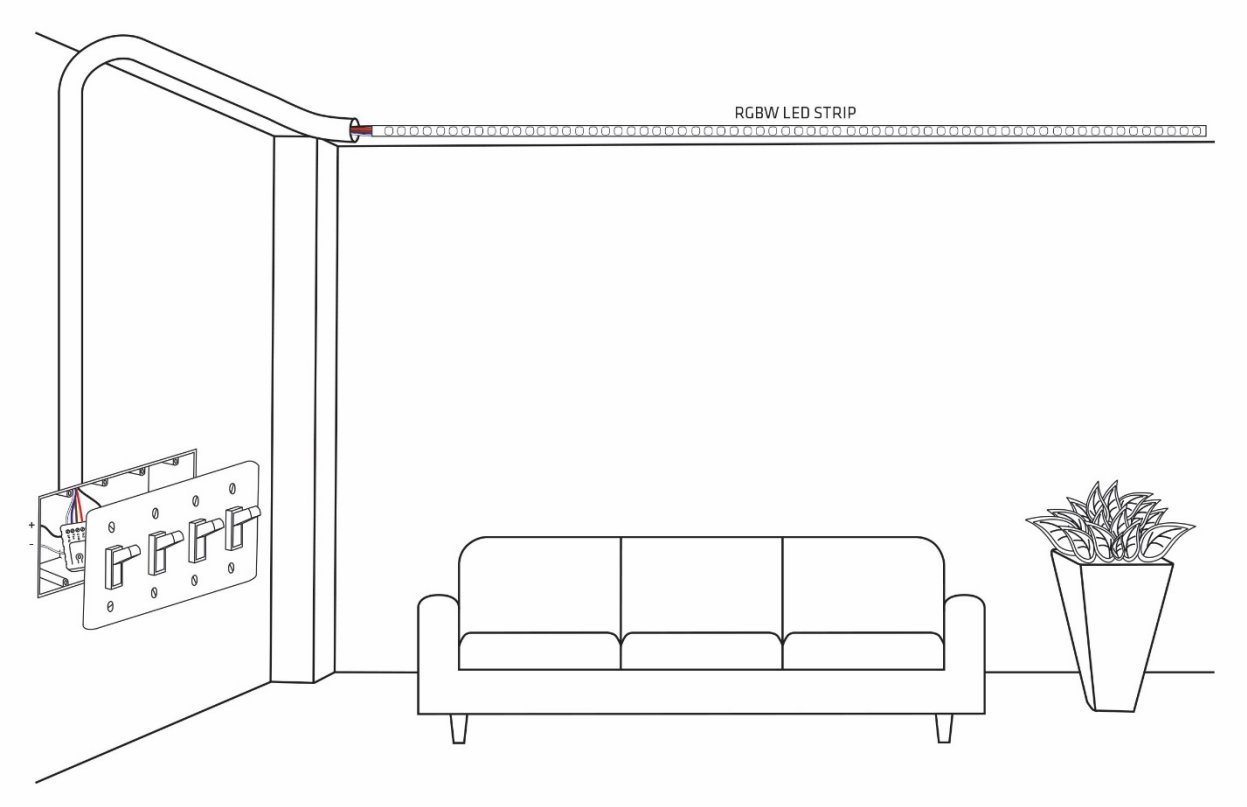
After Qubino installation:



The installation process, tested and approved by professional electricians, consists of the following simple steps:

1. Before the installation disconnect power supply (12 - 24VDC).
2. Connect the module exactly according to the diagram.
3. Pull out the antenna and keep it at 90 degree to enhance the RF signals.
4. Place the antenna as far as possible from metal elements as they may cause signal interference.
5. Do not shorten the antenna.

ⓘ **Danger of electrocution!**

Installation of this module requires a great degree of skill and may be performed only by a licensed and qualified electrician. Please keep in mind that even when the module is turned off, voltage may still be present in the module's terminals.

ⓘ **Note!**

Do not connect the module to loads exceeding the recommended values. Connect the module exactly as shown in the provided diagrams. Improper wiring may be dangerous and result in equipment damage. Device must be powered by a dedicated regulated power adapter.

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6. Product Information and Support

Did you know that Qubino offers Z-Wave modules with guaranteed 100% quality control throughout the production process? Every single unit is tested and examined before being approved for sale – a truly unique pledge in the industry.

Why is this important?

Every product has a dedicated a serial number and a part number, which is assigned to the module only after it goes through a strict testing procedure.

By scanning the QR code on the back of your Qubino module, its product title, serial number, and part number are automatically copied to your mobile device. You can also use the code for direct access to the module's product page for more information. If you still don't find what you're looking for, click on the link to Qubino technical support team. They will be able to automatically read the serial and part number from your module and quickly review the production log file containing production date as well as any relevant device parameters and information. This process allows our team to immediately identify and address issues, giving you the best support possible.

Based on customer and business partner feedback, we're proud to boast Qubino's support team as the best and fastest on the market If you don't find the answers to your questions in this document, please contact our support team by scanning the QR code or through our website: http://qubino.com/support/#email. We will try to help you as soon as possible.

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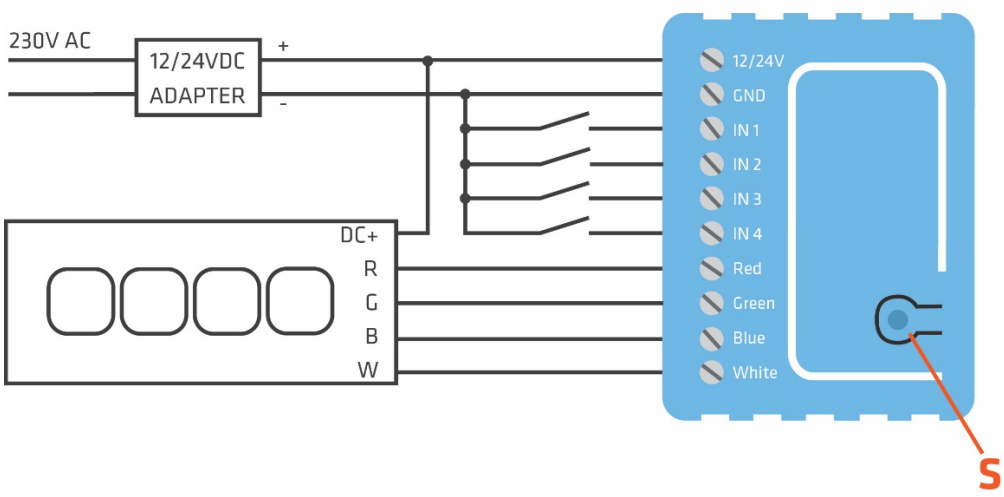
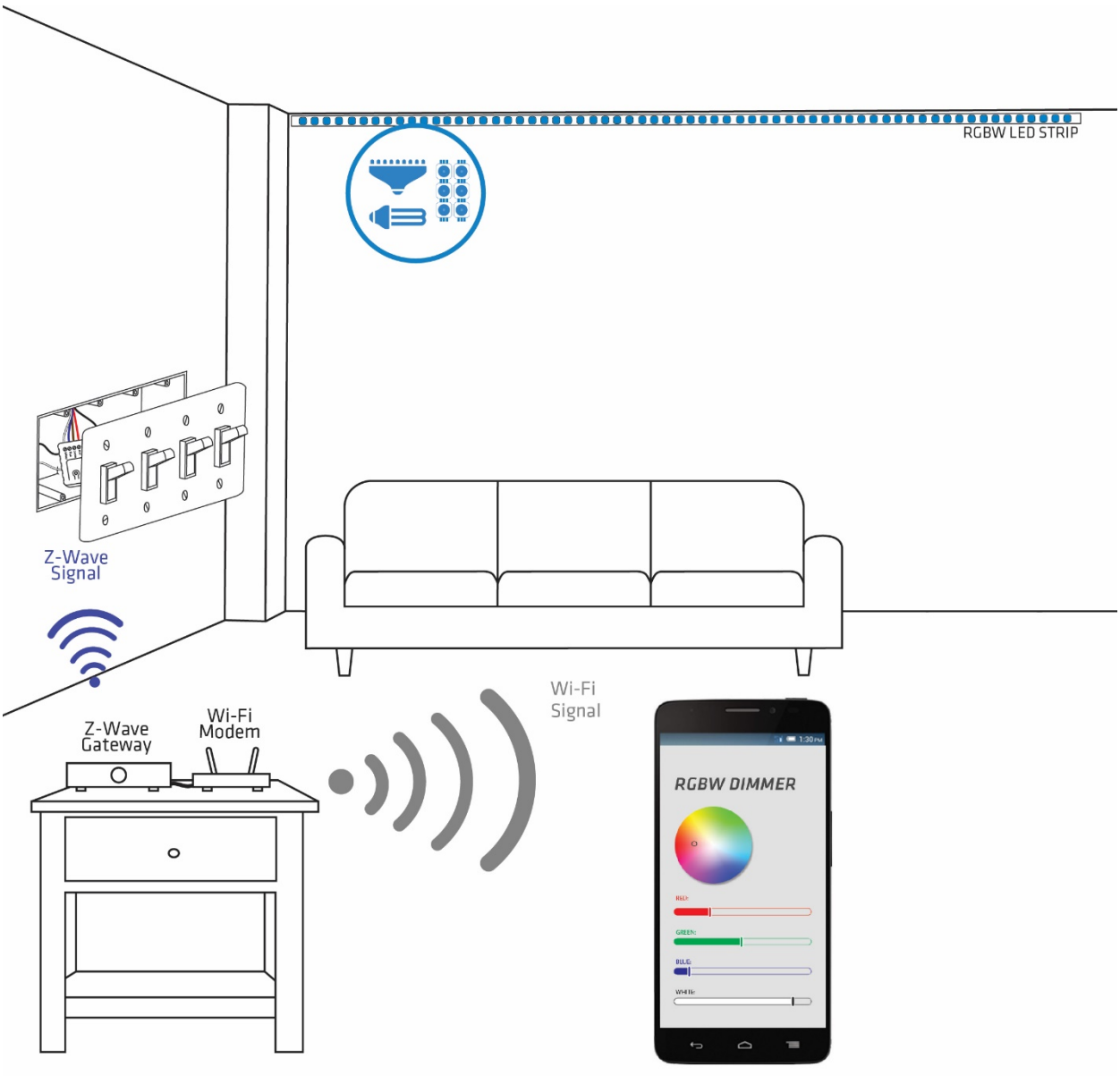
7. Electrical Diagram 12/24 VDC



Notes for diagram:

12/24V	Input for 12VDC or 24VDC (+)
GND	Ground (-)
IN1	Push button – Brightness control (in default configuration)
IN2	Push button – Rainbow mode (in default configuration)
IN3	Push button – Scene mode (in default configuration)
IN4	Push button – Normal mode (in default configuration)
S	Service button – Inclusion/ Exclusion/ Reset
Red	Output for R wire of the LED strip or bulb in 4 Dimmers mode
Green	Output for G wire of LED strip or bulb in 4 Dimmers mode
Blue	Output for B wire of LED strip or bulb in 4 Dimmers mode
White	Output for W wire of LED strip or bulb in 4 Dimmers mode

8. Z-Wave Inclusion



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AUTO-INCLUSION

1. Enable inclusion mode on your Z-Wave controller

2. Connect the module to the power supply

3. Auto-inclusion will be initiated within 5 seconds of connection to the power supply and the module will automatically enrol in your network. If the device is properly included, the RGBW strip will blink once. Auto-inclusion times out after 2 minutes.

MANUAL INCLUSION

1. Connect the module to the power supply

2. Enable inclusion mode on your Z-Wave controller

3. Press and release the S (Service) button 3 times within 2 seconds

9. Z-Wave Exclusion

Z-WAVE EXCLUSION

1. Connect the module to the power supply

2. Make sure the module is within direct range of your Z-Wave controller or use a hand-held Z-Wave remote to perform exclusion

3. Press and release the S (Service) button 3 times within 2 seconds

4. After exclusion module will automatically attempt to re-include in the next 2 minutes.

NOTE: The module will be excluded from your network, but any custom configuration parameters will not be erased.

FACTORY RESET

1. Connect the module to the power supply.

2. Press and hold the S (Service) button for more than 10 seconds (the white blink on LED strip, signal that the module is reset now you can release the S button)

3. After the factory reset module will automatically attempt to re-include in the next 2 minutes.

ⓘ By resetting the module, all custom parameters previously set on the module will return to their default values, and the owner ID will be deleted. Use this reset procedure only when the main controller is missing or otherwise inoperable.

10. Additional Information

1. Flush RGBW Dimmer is suggested to operate within low voltage circuits (12VDC or 24VDC). Connecting loads powered by higher voltage to the module may damage the Flush RGBW Dimmer. Please refer to the following table when wiring the module.

RGBW Strip Current	Stranded Wire
High current	18 AWG
Low Current	22 AWG

2. Flush RGBW Dimmer must be powered by the same voltages as the connected light source. I.e. when controlling a 12V LED strip, the module must be connected to a matching 12V power supply. Similarly, when controlling a 24V RGBW strip, the Flush RGBW Dimmer must be powered by a 24V power supply.

3. The module's output is controlled by PWM at 488Hz.

4. When controlling long RGBW/RGB/LED strips, voltage drops may occur, resulting in lower light brightness farther away from the R/G/B/W outputs. To minimize this issue, it's recommended to connect several shorter strips in parallel instead of one long strip connected in sequence. The maximum recommended RGBW/RGB/LED strip length is 33 feet (10 m). Please follow manufacturer recommendations regarding connection wire size for each load you connect to the module.

5. If your primary Z-Wave controller is damaged or lost, but you have connected the module to an external switch, the Flush RGBW Dimmer can operate normally with local control. Otherwise, please replace your Z-Wave controller to exclude the module from your previous network and re-include it to restore wireless control (follow inclusion / exclusion instructions above for the process).

LED Indication

Status	LED Signal	Remark
Not included to the Z-Wave network	Red & Green blinking interchangeably	
Included to the Z-Wave network	Solid Green	
Inclusion	Blinking Green (Interval: 1 sec)	Press 3 times in 2 seconds
Exclusion	Blinking Green (Interval: 1 sec.)	Press 3 times in 2 seconds
Auto inclusion	Blinking Green (Interval: 1 sec.)	Power cycle to connect with Z-Wave network

Input Type	Remark
Momentary	Mono-stable or push button switch
Toggle	Bi-stable switch
Toggle w/Memory	ON: Active for closing terminals OFF: Active for opening terminals

11. Flush RGBW Dimmer Mode Descriptions

NORMAL MODE:

1. ***Momentary switch type***

Controlling output (Q is defined as output) assigned to given input terminal. In this setting outputs will be controlled independently from one another, e.g. allowing for free adjusting each colours saturation.

NOTE:

- Q1 on the module is marked as →Red
- Q2 on the module is marked as →Green
- Q3 on the module is marked as →Blue
- Q4 on the module is marked as →White

INx (for orientation this function is set on IN4 by default)

- **Fast press** on input INx (less than 1 second) -> turn the Qx to the "last non zero dimming value"
    - Dimming time depends on Parameter no. 12 value.

- **Fast press** on INx -> turn Qx OFF
    - Dimming time depends on Parameter no. 12 value.

- **Press and hold (more than 1 second)** -> increase brightness on Qx and set new "last non zero value" for Qx
    - Dimming time depends on Parameter no. 13 value.

- **Press and hold (more than 1 second) -> decrease brightness on Qx** -> decrease brightness on Qx and set new "last non zero value" for Qx
    - Dimming time depends on Parameter no. 13 value.

- **Fast double click** -> turn the Qx to "MAX dimming value" (Parameter no. 10)
    - Dimming time depends on Parameter no. 12 value.

2. ***Toggle switch type***

INx

- Switch position -> turn the Qx OFF
  - Dimming time depends on Parameter no. 12 value.
- Switch position -> turn the Qx to "MAX dimming value"
  - Dimming time depends on Parameter no. 12 value.

3. ***Toggle with memory switch type***

This mode is very important when using motion sensors, which are connected to the inputs. Only positive impulses turn it on and only a negative turn the module off.

Example: If the motion sensor turns on the light and then the user turns it off via the app, when the negative impulse comes from motion sensor, the light should not turn on again.

INx

- Position 1 to Position 2 -> turn the Qx to "MAX dimming value"
  - Dimming time depends on Parameter no. 12 value.
- Position 2 to Position 1 -> turn the Qx OFF
  - Dimming time depends on Parameter no. 12 value.

BRIGHTNESS MODE:

All outputs are controlled together, i.e. one switch controls brightness of all channels at the same time.

1. ***Momentary switch type***

INx (for orientation this function is set on IN1 by default)

- **Fast press** on input INx (less than 1 second) -> turn the Q1, Q2, Q3, Q4 brightness to the "last non zero value"
  - Dimming time depends on Parameter no. 12 value.

- **Fast press** on INx -> turn Q1, Q2, Q3, Q4 brightness OFF
  - Dimming time depends on Parameter no. 12 value.

- **Press and hold (more than 1 second)** -> increase brightness on Q1, Q2, Q3, Q4 and set new "last non zero value" for Q1, Q2, Q3, Q4
  - Dimming time depends on Parameter no. 13 value.

- **Press and hold (more than 1 second) -> decrease brightness on Q1, Q2, Q3, Q4** -> decrease brightness on Q1, Q2, Q3, Q4 and set new "last non zero value" for Q1, Q2, Q3, Q4
    - Dimming time depends on Parameter no. 13 value.

- **Fast double click** -> turn the Q1, Q2, Q3, Q4 brightness to "MAX dimming value"
    - Dimming time depends on Parameter no. 12 value.

2. ***Toggle switch type***

INx

- Switch position -> turn the Q1, Q2, Q3, Q4 brightness OFF
    - Dimming time depends on Parameter no. 12 value.
- Switch position -> turn the Q1, Q2, Q3, Q4 brightness to "MAX dimming value"
    - Dimming time depends on Parameter no. 12 value.

3. ***Toggle with memory switch type***

Example: If the motion sensor turns on the light and then the user turns it off via the app, when the negative impulse comes from motion sensor, the light should not turn on again.

INx

- Position 1 to Position 2 -> turn the Q1, Q2, Q3, Q4 to "MAX dimming value"
    - Dimming time depends on Parameter no. 12 value.
- Position 2 to Position 1 -> turn the Q1, Q2, Q3, Q4 OFF
    - Dimming time depends on Parameter no. 12 value.

RAINBOW MODE:

Rainbow mode is intended to change output Color by using Input Button.

Rainbow mode is in a relation to Brightness mode:

- For instance, if the brightness level is set to 80%, this will have effect also on Rainbow mode (brightness will be 80% even between changing output Colours)

1. ***Momentary switch type***

INx (for orientation this function is set on IN2 by default)

- **Press and hold (more than 1 second)** -> Red, Green, Blue, White Colours are changing from the last set value. The Colours goes through the whole RGB spectrum smoothly.
    - When the Push button is released, the current Color is set to a new value.

- **Fast press (less than 1 second)->** change RGBW Colours by steps from the last set value
- **Fast double press (less than 1 second)** -> change RGBW Colours by step from the last set value in opposite direction

SCENE MODE:

1. ***Momentary switch type***

INx (for orientation this function is set on IN3 by default)

- **Fast press (less than 1 second)** -> turn on the last scene or default scene
- **Fast press** -> turn OFF
- **Press and hold (more than 1 second)** -> switch to a next scene

2. ***Toggle switch type***

INx

- Switch position -> turn on the last scene or default scene
- Switch position -> turn OFF

3. ***Toggle with memory switch type***

INx

- Position 1 to Position 2 -> turn on the last scene or default scene
- Position 2 to Position 1 -> turn OFF

4 DIMMERS MODE:

If this option is set, the module would be presented as 4 independent dimmers in one device.

For example: Using this option, 4 independent LED strips could be connected and controlled using one device.

NOTE: re-inclusion of device is required

NOTE: In 4 DIMMERS mode, Parameter no.5 and Parameter no.6 has no influence.

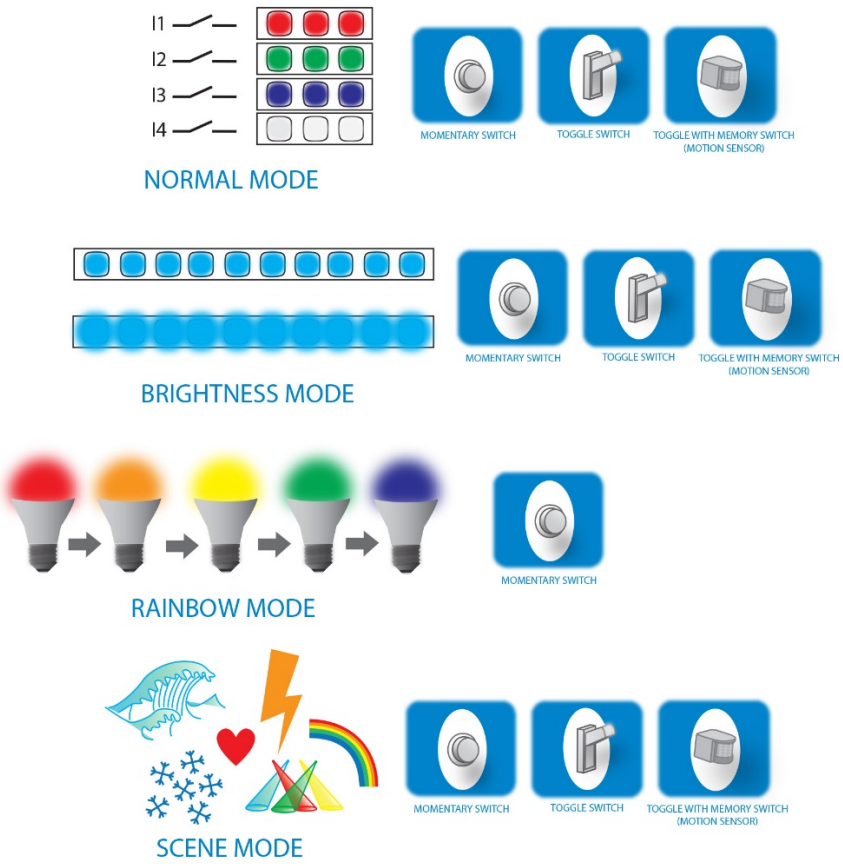
EN

12. Configuration Parameters

Parameter no. 1 – Input IN1 configuration

Available configuration parameters (data type is 1 Byte DEC)

- Default value: = 4 (BRIGHTNESS mode – momentary switch type)
- 1 – NORMAL mode – momentary switch type
- 2 – NORMAL mode – toggle switch type
- 3 – NORMAL mode – toggle with memory switch type
- 4 – BRIGHTNESS mode – momentary switch type
- 5 – BRIGHTNESS mode – toggle switch type
- 6 – BRIGHTNESS mode – toggle with memory switch type
- 7 - RAINBOW mode – momentary switch type
- 8 – SCENE mode – momentary switch type
- 9 – SCENE mode – toggle switch type
- 10 – SCENE mode – toggle with memory switch type

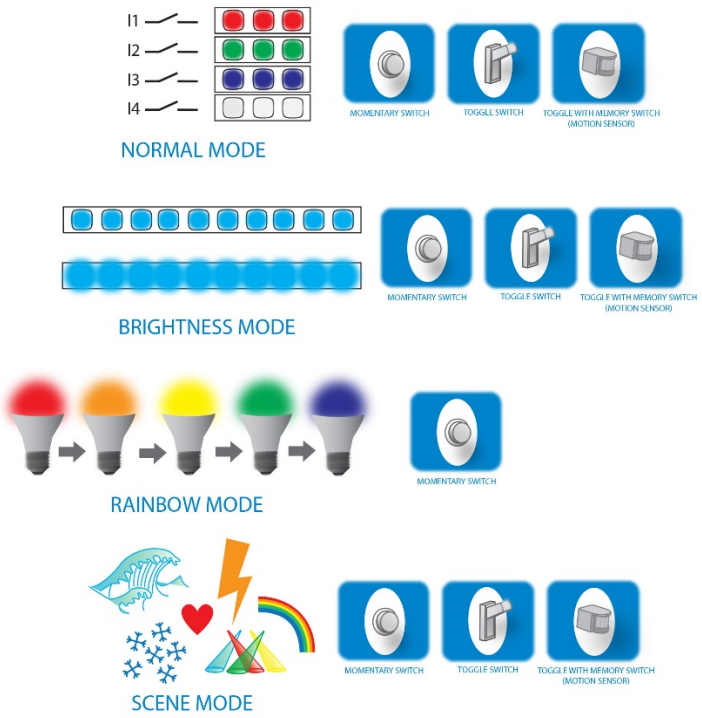


Parameter no. 2 – Input IN2 configuration

See parameter no. 1

Available configuration parameters (data type is 1 Byte DEC)

- Default value: = 7 (RAINBOW mode – momentary switch type)

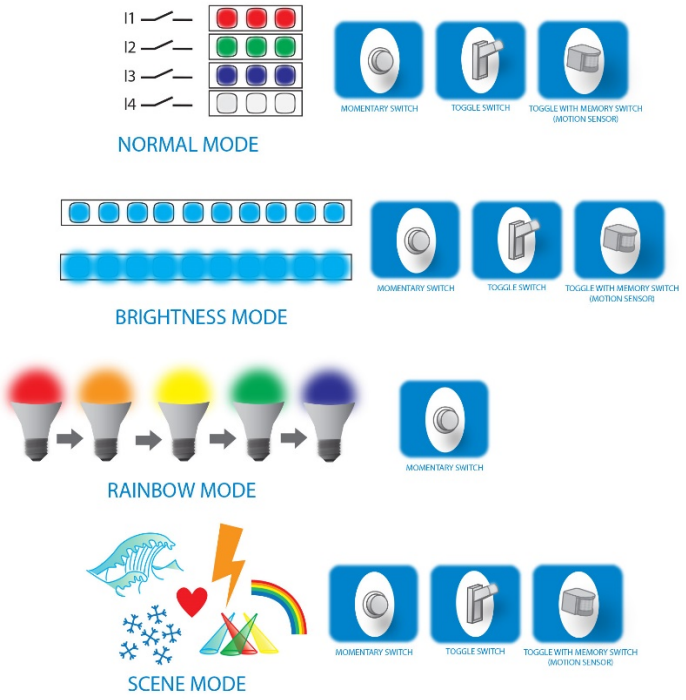


Parameter no. 3 – Input IN3 configuration

See parameter no. 1

Available configuration parameters (data type is 1 Byte DEC)

- Default value: = 8 (SCENE mode – momentary switch type)

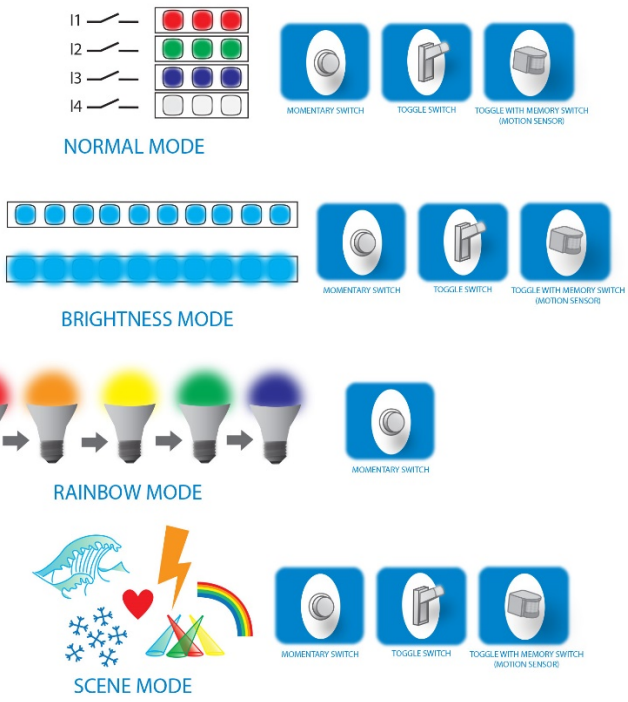


Parameter no. 4 – Input IN4 configuration

See parameter no. 1

Available configuration parameters (data type is 1 Byte DEC)

- Default value: = 1 (NORMAL mode – momentary switch type)



Parameter no. 5 – Auto Scene Mode Set

Available configuration parameters (data type is 1 Byte DEC)

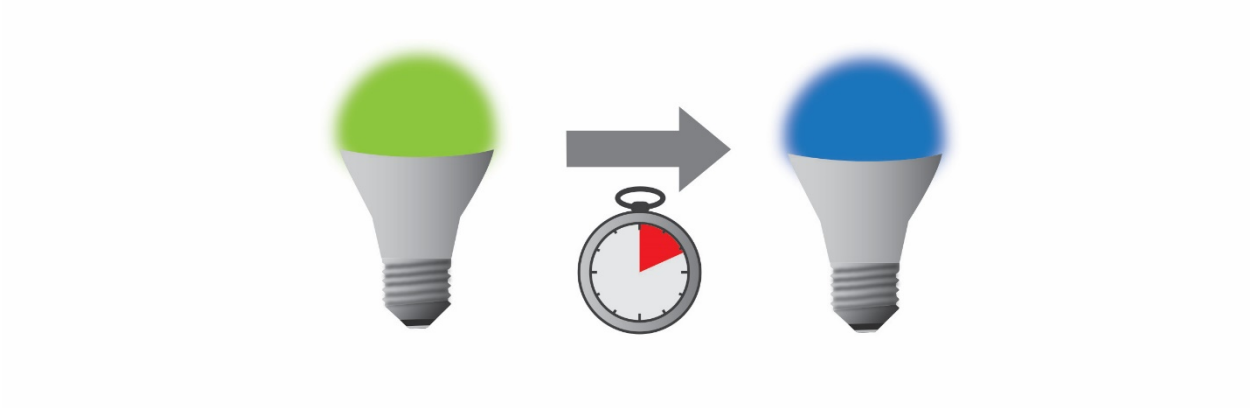
- Default value 1
- 1 – **Ocean** (soft flowing between shades of blue color)
- 2 – **Lightning** (fast flashing of white color)
- 3 – **Rainbow** (flowing between colors of rainbow)
- 4 – **Snow** (flowing between shades of white and cyan color)
- 5 – **Romantic** (soft flowing of the red color)
- 6 – **Party scene** (random flashing between colors)

Parameter no. 6 – Auto Scene Mode – Duration between Color change

This parameter is used to adjust time between 2 Colours in the Scene

Available configuration parameters (data type is 2 Byte DEC)

- Default value 3
- 1-127 – delay duration is 1 sec to 127 sec
- 1001-1127 – delay duration is from 1 min to 127 min. This parameter has no effect on Lighting and Party Scene.



Parameter no. 7 – Memorize device status at power cut

Device will be set to status memorized before power cut.

Available configuration parameters (data type is 1 Byte DEC)

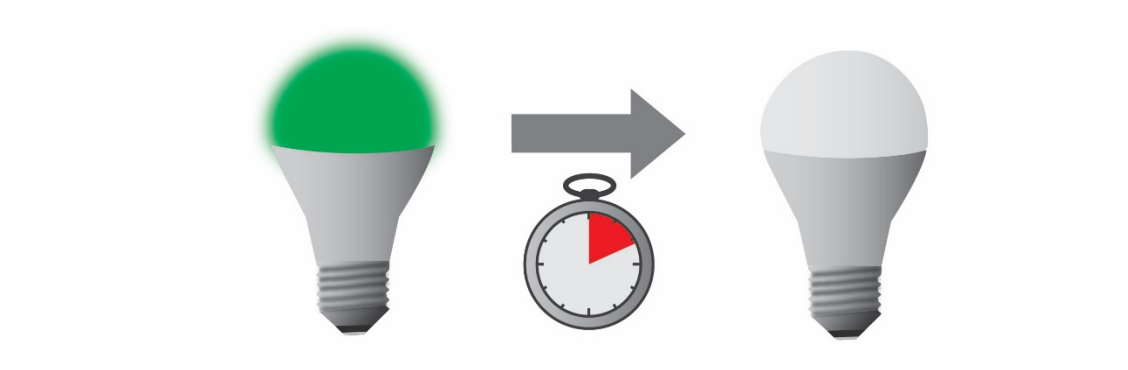
- Default value 0
- 0 – device does not memorize its status at power cut. Load is disconnected
- 1 – device memorizes its status at the power cut. Load will be set to the status from before power cut

Parameter no. 8 – Automatic turning off output after set time

Output is turned automatically off after the time, set in this parameter.

Available configuration parameters (data type is 2 Byte DEC)

- Default value 0
- 0 – Auto OFF disabled
- 1 – 32536 = 1 second – 32536 seconds Auto OFF

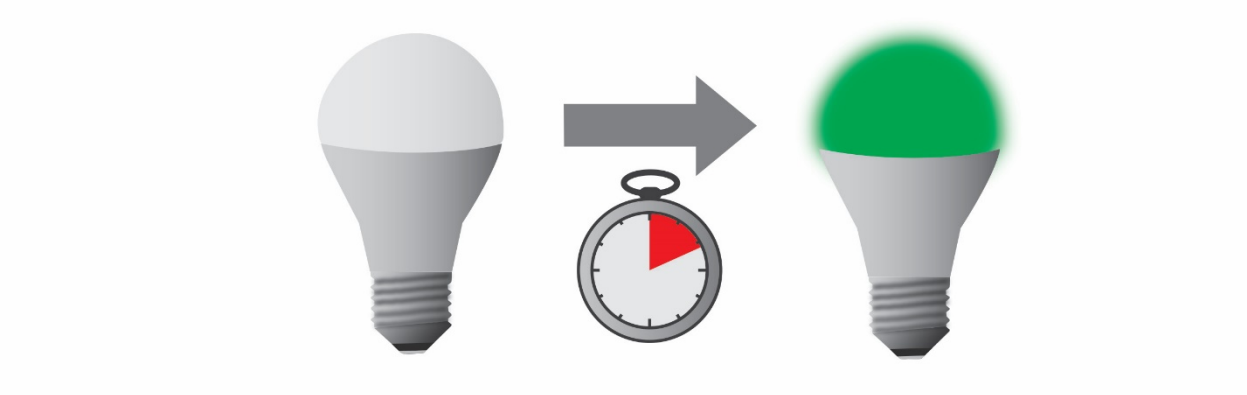


Parameter no. 9 – Automatic turning on output after set time

Output is turned automatically on after the time, set in this parameter.

Available configuration parameters (data type is 2 Byte DEC)

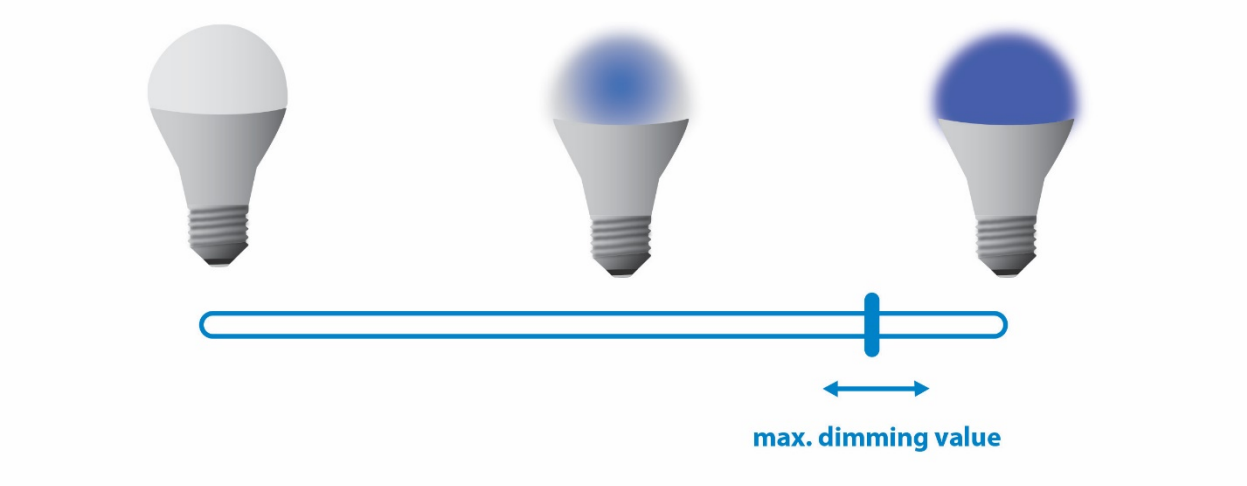
- Default value 0
- 0 – Auto ON disabled
- 1 – 32536 = 1 second – 32536 seconds Auto OFF



Parameter no. 10 – MAX dimming value

Available configuration parameters (data type is 1 Byte DEC)

- Default value 99
- 2-99 = 2 % – 99 %

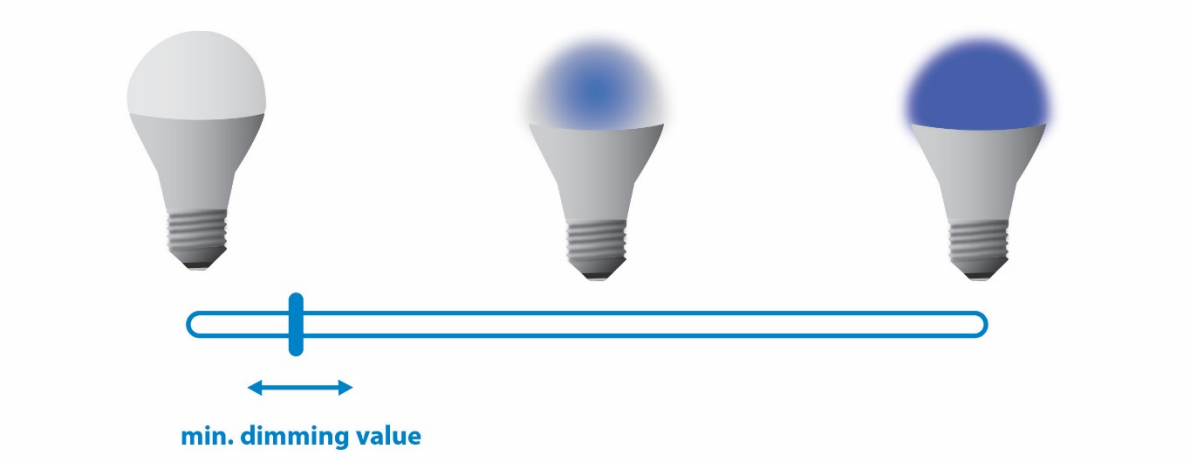


Parameter no. 11 – MIN dimming value

Available configuration parameters (data type is 1 Byte DEC)

- Default value 1
- 1-98 = 1 % – 98 %

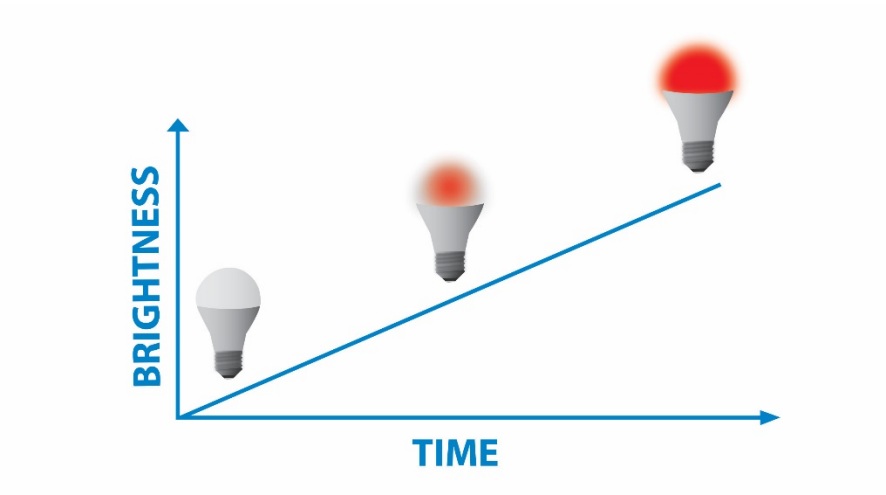
NOTE: The minimum level may not be higher than the MAX dimming value.



Parameter no. 12 – Dimming time (soft on/off)

Available configuration parameters (data type is 1 Byte DEC)

- Default value 10 = 1 s
- 5 – 25 = from 0.5 to 2.5 seconds

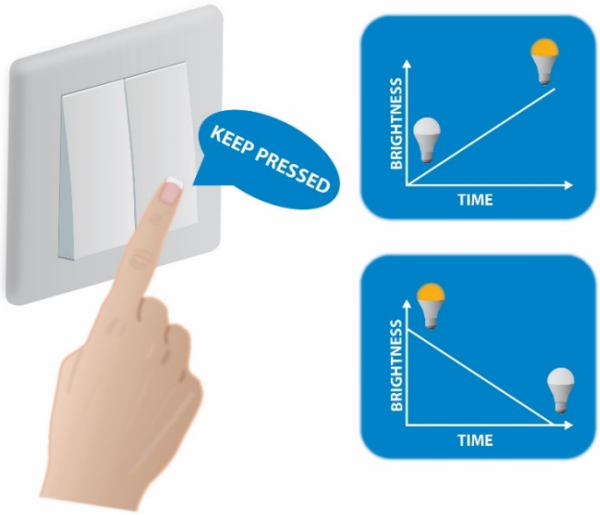


Parameter no. 13 – Dimming time when key pressed

Available configuration parameters (data type is 1 Byte DEC)

- Default value 3 = 3 s
- 1 – 127 = from 1 to 127 seconds

NOTE: Dimming time depends also on Min and Max dimming value.



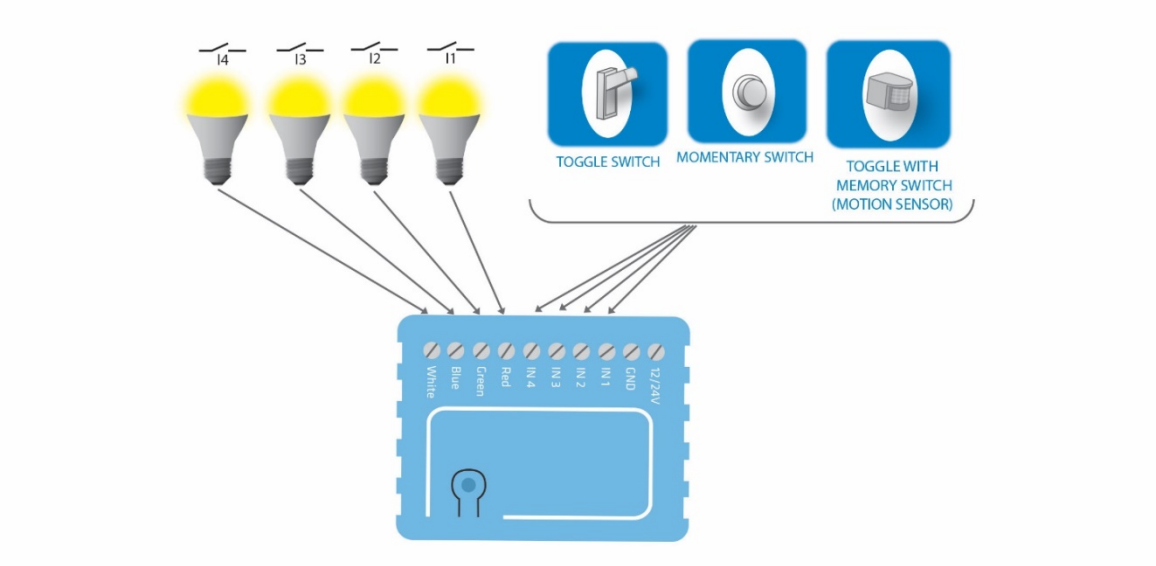
EN

Parameter no. 14 – 4 Dimmers mode

Available configuration parameters (data type is 1 Byte DEC)

- Default value: = 0 (4 dimmers mode disabled)
- 0 – 4 dimmers mode disabled
- 1 – 4 dimmers mode enabled – momentary switch type
- 2 – 4 dimmers mode enabled – toggle switch type
- 3 – 4 dimmers mode enabled – toggle with memory switch type

NOTE: If the parameter no. 14 is enabled, parameter no. 1,2,3,4 has no effect.



13. Technical Specifications

Power supply	12 / 24V DC
PWM output frequency	488Hz
Rated output power	8A for single output channel,13A at max. (3,25A for R.G.B.W. single output channel is suggested)
Max load (e.g. halogen bulbs)	At 12V- 156W combined at 24V- 312W combined
LED Indicator	Red/Green *1
Operation temperature	-10 ~ +40°C (-14 ~ 104°F)
Z-Wave operation range	up to 30 m indoors (98 ft)
Dimensions (WxHxD) (package)	41,8x36,8x16,9 mm (79x52x22 mm) / 1,65x1,45x0,66 in (3,11x2,05x0,87 in)
Weight (with package)	28g (34g) / 0.97oz (1.20oz)
Electricity consumption	12V: 0.48W; 24V: 0.72W
For installation in boxes	Ø ≥ 60 mm (2,36 in) or 2M (78,74 in), depth≥ 60 mm (2,36 in)
Z-Wave Repeater	Yes

Supported loads:

The Flush RGBW Dimmer may control:

- 12/24VDC powered RGB strips
- 12/24VDC powered RGBW strips
- 12/24VDC powered LED strips, bulbs, etc.
- 12/24VDC powered halogen lights

EXAMPLE:

- 10m of 12VDC RGBW LED strip (60 LED/metre) 14.4W/m
- 12VDC 4X35W LED BULB or 1X 95W BULB
- 24VDC 4X75W LED BULB or 1X 190W BULB

14. Z-Wave Command Classes

ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_ALWAYS_ON

GENERIC_TYPE_SWITCH_MULTILEVEL

SPECIFIC_TYPE_POWER_SWITCH_ MULTILEVEL

Supported Z-Wave Command Classes:

COMMAND_CLASS_ZWAVEPLUS_INFO_V2

COMMAND_CLASS_VERSION_V2

COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2

COMMAND_CLASS_DEVICE_RESET_LOCALLY_V1

COMMAND_CLASS_POWERLEVEL_V1

COMMAND_CLASS_SWITCH_MULTILEVEL_V2

COMMAND_CLASS_SWITCH_COLOR_V2

COMMAND_CLASS_CONFIGURATION_V1

COMMAND_CLASS_ASSOCIATION_V2

COMMAND_CLASS_ASSOCIATION_GRP_INFO_V1

COMMAND_CLASS_SWITCH_BINARY_V1

COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2

4Dimmers mode

Device class:

GENERIC_TYPE_SWITCH_MULTILEVEL

SPECIFIC_TYPE_POWER_SWITCH_ MULTILEVEL

Command classes:

COMMAND_CLASS_ZWAVEPLUS_INFO_V2

COMMAND_CLASS_VERSION_V2

COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2

COMMAND_CLASS_DEVICE_RESET_LOCALLY_V1

COMMAND_CLASS_POWERLEVEL_V1

COMMAND_CLASS_SWITCH_MULTILEVEL_V2

COMMAND_CLASS_CONFIGURATION_V1

COMMAND_CLASS_MULTI_CHANNEL_V4

COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION

COMMAND_CLASS_ASSOCIATION_V2

COMMAND_CLASS_ASSOCIATION_GRP_INFO_V1

COMMAND_CLASS_SWITCH_BINARY_V1

COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2

Endpoint 1, 2, 3, 4:

Device class:

GENERIC_TYPE_SWITCH_MULTILEVEL

SPECIFIC_TYPE_POWER_SWITCH_ MULTILEVEL

Command classes:

COMMAND_CLASS_ZWAVEPLUS_INFO_V2

COMMAND_CLASS_SWITCH_MULTILEVEL_V2

COMMAND_CLASS_ASSOCIATION_V2

COMMAND_CLASS_ASSOCIATION_GRP_INFO_V1

COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION

15. Important Disclaimer

Z-Wave wireless communication is not always 100% reliable. This module should not be used in situations in which life and/or valuables are solely dependent on its functioning. If the module is not recognized by your controller or shows up incorrectly, you may need to change the device type manually and make sure your gateway controller supports multi-channel devices. Contact us for help before returning the product: http://qubino.com/support/#email

16. Warning

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal free of charge.

Warning: Rapid light changes may potentially trigger seizures for people with photosensitive epilepsy.

17. Regulations

Legal Notice

This user manual is subject to change and improvement without notice. GOAP d.o.o. Nova Gorica reserves all rights to revise and update all documentation without any obligation to notify any individual or entity.

Declaration of Conformity

Qubino Flush RGBW Dimmer Module is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

WEEE

According to the WEEE (Waste electrical and electronic equipment) Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.

NOTE: This user manual applies to modules with the S5 software version (SW version is part of the module's product number, P/N)! Example: P/N: ZMNHWDx HxS5Px

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