II Device Applications
Fibaro RGBW Controller may control:
- 12 / 24V powered RGBW strips
- 12 / 24V powered LED strips, bulbs, etc.
- 12 / 24V powered halogen lights
- 12 / 24V powered low output power fans

Additional features:
- 0 - 10V voltage sensor reads, including temperature signal readouts, and managing outputs accordingly.
- configured independently, e.g. I1 may be configured as 0-10V sensor input and I2-I4 may control LED strip or Halogen lamps.

III Installing the device
1. Before installation ensure the voltage supply is disconnected.
2. Connect Fibaro RGBW Controller according to Fig.3.

VII Fibaro RGBW Controller operating modes

1. Controlled by momentary or toggle switches.
   - I1 can be used for controlling e.g. LED or 0-10V powered devices.
   - 0-10V channel operates in OUT mode, user may control e.g. LED or halogen lamp.
   - Device icons in the main controllers interface will reflect the above configuration settings.
   - The device may be controller by momentary or toggle switches.
   - I2 controls G channel.
   - I3 controls O channel.
   - I4 controls rainfall and humidity sensors, air quality sensors, light sensors, etc.

2. In a radio frequency network structure after Fibaro System first configuration, Fibaro RGBW Controller is dedicated to operate in low voltage circuits of 12VDC or 24VDC. Connecting higher voltage lead must result in Fibaro RGBW Controller damage.
3. Fibaro RGBW Controller must be powered by the same voltage as the connected light source. If controlling 12V LED strip, the device must be connected to 12V power supply. Similarly, if controlling 24V LED strip, the device must be powered by 24V.

4. Fibaro RGBW Controller has 4 inputs. In no 0-10V input, Output is powered by PWM/ANZ.

5. LEDs, bulbs, fans may be user configured for PWM controller.

6. Fibaro RGBW controller's operating modes:
   - Predefined colour programs.
   - User may precisely set illumination colour.
   - Fibaro RGBW Controller offers fully configurable operating modes, e.g. controlling other devices of Fibaro system

VIII Manual RGBW/RGB/LED operating mode

Fibaro RGBW controller has 4 controllable inputs I1-4, configured by default in a work with push buttons. Each input controls designated channel, i.e.:
- 1) 11 control B channel.
- 12 control C channel.
- 13 control B channel.
- 14 control C channel.

Controlling I1-8 inputs is achieved by sending ground wire to specified mode switch.

Further parameters, 16 settings available for following type of manual control:

1. Normal mode - controlling output switch to given input terminal in the setting suite, will be controlled independently from another, e.g. allowing time adjusting each colour individually. Synchronisation double click will see a green channel's selection to 100%; manual control is to be applied to each switch.

2. Normal mode - all switches are controlled independently from another. E.g. setting RGBW mode works with following setting.

3. Rainbow mode - all switches are controlled independently from another.

4. Index IN/OUT mode - all switches are controlled independently from another.

VIII Manual RGBW/RGB/LED operating mode

Fibaro RGBW Controller offers 5 associations.

- I association group assigned to I1 inputs - sends control frame to associated devices each time the device state changes. (ON / OFF)

- II association group assigned to I2 inputs - sends control frame to associated devices each time the device state changes. (ON / OFF)

- III association group assigned to I3 inputs - sends control frame to associated devices each time the device state changes. (ON / OFF)

- IV association group assigned to I4 inputs - sends control frame to associated devices each time the device state changes. (ON / OFF)

- V association group also includes control frame to associated devices each time the device state changes. (ON / OFF)

XII Current load and energy consumption

1. Fibaro RGBW controller provides five association groups:

   - I association group assigned to I1 inputs - sends control frame to associated devices each time the device state changes. (ON / OFF)

   - II association group assigned to I2 inputs - sends control frame to associated devices each time the device state changes. (ON / OFF)

   - III association group assigned to I3 inputs - sends control frame to associated devices each time the device state changes. (ON / OFF)

   - IV association group assigned to I4 inputs - sends control frame to associated devices each time the device state changes. (ON / OFF)

   - V association group also includes control frame to associated devices each time the device state changes. (ON / OFF)

Fibaro RGBW controller also includes:

- Energy consumption data and 5 user-defined programs.

- Stabilized power supply with outputs load capacity matched to loads connected to it.

- Fibaro RGBW controller's operating modes:
   - Predefined colour programs.
   - User may precisely set illumination colour.
   - Fibaro RGBW Controller offers fully configurable operating modes, e.g. controlling other devices of Fibaro system

- Controlling I1-8 inputs is achieved by sending ground wire to specified mode switch.

Further parameters, 16 settings available for following type of manual control:

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2. Normal mode - all switches are controlled independently from another. E.g. setting RGBW mode works with following setting.

3. Rainbow mode - all switches are controlled independently from another.

4. Index IN/OUT mode - all switches are controlled independently from another.

1) Connect Fibaro RGBW Controller to voltage supply.
2) Connect Fibaro RGBW controller according to Fig.3.
3) Connect Fibaro RGBW controller to voltage supply.
4) Reset procedure clears the Fibaro RGBW Controller's memory. Remove the RGBW controller from Z-Wave network controller before carrying out the reset procedure.

VII Fibaro RGBW Controller operating modes

The device may be configured to be controlled by momentary or toggle switches.

2) IN/OUT button:
3) OFF / ON button:
4) 1-6 user-defined modes.
5) Favourite colours section.
6) Predefined colour programs.

II Association group assigned to I1 inputs - sends control frame to associated devices each time the device state changes. (ON / OFF)

Association settings can be divided into two groups. One is a device group, e.g. controlling LED strip, the other one is a 0-10V sensor readout group, e.g. controlling LED strip. The devices may be configured to work in one of these groups. To add a device to a Fibaro system (HC 2 or HC Lite) the device must be powered by 12VDC or 24 VDC.

Before installation ensure the voltage supply is disconnected.

Connect Fibaro RGBW Controller to voltage supply.

Resetting Fibaro RGBW Controller:

A. Disconnect voltage supply.
B. Press and hold the Button located inside Fibaro RGBW controller or execute operating mode.
C. Triple click the button or any switch connected to I1-4 inputs.

XIII Installing the device

A. Before installation ensure the voltage supply is disconnected.
B. Connect Fibaro RGBW Controller according to Fig.3.

V. Microprocessor controlled

- 12 / 24V powered RGBW strips
- 0-10V sensors signal readouts, including temperature signal readouts, and managing outputs accordingly.
- controlled by momentary or toggle switches.
- Visible on the module into the Z-Wave network.

Warning!

- Fibaro RGBW Controller's operating modes:
   - Predefined colour programs.
   - User may precisely set illumination colour.
   - Fibaro RGBW Controller offers fully configurable operating modes, e.g. controlling other devices of Fibaro system

- Controlling I1-8 inputs is achieved by sending ground wire to specified mode switch.

Further parameters, 16 settings available for following type of manual control:

1. Normal mode - controlling output switch to given input terminal in the setting suite, will be controlled independently from another, e.g. allowing time adjusting each colour individually. Synchronisation double click will see a green channel's selection to 100%; manual control is to be applied to each switch.

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