

## Slave Module RGBW

Article no. 6 0120 220

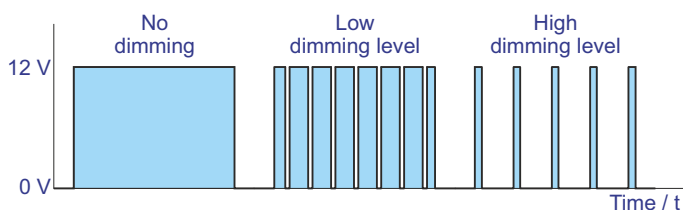
The **slave module** acts as a technical link between a digital controller and LED circuit boards. The controller generates a specific signal sequence, which is converted into visible light signals by the LED circuit boards. The slave module is connected between these two and converts the digital signals from the controller into pulse-width modulated voltages, which can be used to dim the LED circuit boards.



**IP54**

The Slave Module with the housing lid removed

**PWM = Pulse Width Modulation**



**PWM modulation with different dimming levels**

The above diagram shows the output voltage at one of the slave module's four outputs. The modulation takes place at a high frequency so that the change will appear to the human eye as dimming and not as flickering.

The slave module has four outputs for the four RGBW colours. Each channel can supply a maximum of 3 A. For a 12 V system with four channels this results in a total output power of 144 W.

The outputs are not equipped with a current limitation, i.e. a suitable overcurrent protection must be provided by the customer.

If LED circuit boards with a higher rating are to be used, two or more slave modules can be connected to one controller.

**Technical data:**

Length x width x height: 76 x 76 x 43 mm  
Degree of protection: IP54

Supply voltage: 12/24 V DC  
Number of output channels: 4  
Max. output current per channel: 3 A  
Max. output power per channel: 36/72 W  
Max. total output power: 144/288 W

Data protocol: LED protocol (by Toni Maroni)  
Max. number of slave modules per controller: 60  
Max. length of the CAT5 data cable (controller to slave module): 20 m

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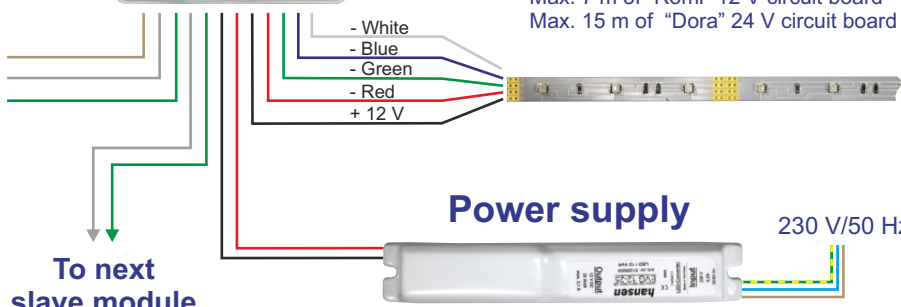
### IR remote control RGBW

Infrared Remote Control  
Article no. 6 0122 221



### RGBW LED circuit boards

Max. 7 m of "Romi" 12 V circuit board  
Max. 15 m of "Dora" 24 V circuit board



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