

# RGB18 PROFESSIONAL RF WIRELESS RGBW LED CONTROLLER KIT



- Remote Single Colour LED Dimming Controllers
- RGB White can be used independently
- RGB static colour selection with 6 direct selection buttons
- Ultra slim design
- Easy to pair dimmer unit with RGB-RP controllers
- Over temperature, overload and short circuit protections
- RGBW 4 channel output
- 15 metre transmission distance



## Specification

|                        |  |
|------------------------|--|
| Model Number           | RGB18                                  |
| Voltage                | 6 - 24VDC                              |
| Rated Output Current   | 4A + 3x2.5A                            |
| Remote Type            | RF wireless card remote controller     |
| Operation Frequency    | 433.92Mhz                              |
| Remote Control Battery | CR2025 3V Cell Battery                 |
| Transmission Power     | <10dBm                                 |
| Transmission Distance  | >15 meters                             |
| Remote Control Pairing | Can be paired using RGB-RP             |
| Zones                  | 3 (When using RGB-RP Slave)            |
| PWM Control            | 256 levels                             |
| PWM Frquency           | 500KHz-8KHz Adjustable (512Kz Default) |
| Components & PCB       | SMD parts / 4-layer FR-4 pcb           |
| IP                     | IP63                                   |
| Working Temperature    | -30 - 80 °C                            |
| Weight                 | 59g                                    |
| Dimensions             | 115 x 52 x 5mm                         |

## FUNCTIONS

|                      |                                       |
|----------------------|---------------------------------------|
| Dynamic Mode         | 34                                    |
| Dynamic Speed Levels | 10                                    |
| Static Colour        | 30 Colours                            |
| Brightness Levels    | 5 Levels for RGB, 10 Levels for White |

## LED DIMMER UNIT

|                 |                         |
|-----------------|-------------------------|
| Power Connector | AWG16 Red / Black Cable |
| LED Connector   | AWG18 Flat Cable        |
| Weight          | 20g                     |
| Dimensions      | 87 x 21 x 8.5mm         |
| Cable Length    | 115mm                   |

## Mechanical Diagram

