



50544

LED Dim-3 MKII

User Manual

Descriptions

Congratulations with your purchase of this product.

Read this manual carefully before using our LED DIM 3. The LED DIM 3, three channel (R.G.B.) LED dimmer, is designed to set the intensity for R.G.B. LEDs, three channels can be controlled separately. Available in online operation, DMX control mode for slave control, Manual Dim mode for master control.

Delivery Packet

Check for transport damage.

You should be in possession of the following items:

1 LED DIM 3

1 Manual, 1 Screwdriver & 1 connecting part

Should you discover transport damage after unpacking the equipment, inform the hauler immediately. Never connect a damaged device. You may also contact your supplier.



Technical Specifications

| | |
|--|-------------------------|
| <input type="checkbox"/> Power Requirement | 6~12VDC/5A , 24VDC/4A |
| <input type="checkbox"/> Output | 6~12VDC/5A , 24VDC/4A |
| <input type="checkbox"/> Housing | Black plastic |
| <input type="checkbox"/> Control Protocol | DMX-512 (1990) |
| <input type="checkbox"/> Connection | Terminal |
| <input type="checkbox"/> Operation temperature | 0 degC to +40 degC |
| <input type="checkbox"/> Ingress Protection Rating | IP 20 |
| <input type="checkbox"/> Dimensions | 90(L) x 40(W) x 20(H)mm |
| <input type="checkbox"/> Weights | 50g |

Operation Guide

1.Power Requirements

When the power input is 6~12VDC, 5A max., a maximum of up to 5A loads are allowed on a single channel and the maximum of loads connected modules distributed over all 3 channels must not exceed 5A.

When the power input is 24VDC, 4A Max., a maximum of up to 4A loads are allowed on a single channel and the maximum of loads connected modules distributed over all 3 channels must not exceed 4A.

2.DMX Control Mode(DMX Addressing)-Slave Mode

In this mode, the dip-switch 10 is flipped to the "ON" position, DMX address can be set and the intensity of LED is controlled. Red effect is controlled by Ch1, Green effect is controlled by Ch2 and Blue effect is controlled by Ch3.



DMX is short for Digital Multiplex. This is a universal binary language used as a form of communication between intelligent fixtures. Each Dip Switch represents a binary value.

Dip Switch 1 address equals 1
 Dip Switch 2 address equals 2
 Dip Switch 3 address equals 4
 Dip Switch 4 address equals 8
 Dip Switch 5 address equals 16
 Dip Switch 6 address equals 32
 Dip Switch 7 address equals 64
 Dip Switch 8 address equals 128
 Dip Switch 9 address equals 256

| START CH# | SWITCHES ON | START CH# | SWITCHES ON |
|-----------|-------------|-----------|-------------------|
| 1 | 1 | 11 | 1,2,4 |
| 2 | 2 | 12 | 3,4 |
| 3 | 1,2 | 13 | 1,3,4 |
| 4 | 3 | 14 | 2,3,4 |
| 5 | 1,3 | 15 | 1,2,3,4 |
| 6 | 2,3 | 16 | 1 |
| 7 | 1,2,3 | 17 | 1 |
| 8 | 4 | 18 | 1 |
| 9 | 1,4 | 19 | 1 |
| 10 | 2,4 | 20 | 1,2,3,4,5,6,7,8,9 |

A DMX value(address) is set by combining the different dipswitches that will add up to the value you wish to achieve, for example:

Setting DMX address for 21.
Flip switches 1,3,&5 to the "ON" position

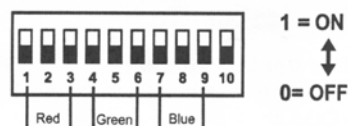
| | | |
|--------------|------|-------|
| | 1=1 | |
| | 3=4 | |
| Dipswitches# | 5=16 | Value |
| | =21 | |

Setting DMX address for 201.
Flip switches 1,4,7,& 8 to the "ON" position

| | | |
|--------------|-------|-------|
| | 1=1 | |
| | 4=8 | |
| Dipswitches# | 7=64 | Value |
| | 8=128 | |
| | =201 | |

3.Manual Control Mode-Master Mode

In this mode, the dip-switch 10 is flipped to the "OFF" position, Flip the dip-switch 1~3 to set the intensity of Red LEDs, dip-switch 4~6 to set the intensity of Green LEDs and dip-switch 7~9 to set the intensity of Blue LEDs. Please refer to the following table for further information.



DipSwitch Setting

| Intensity | Red (SW1~3) | Green (SW4~6) | Blue (SW7~9) |
|-----------|----------------|------------------|-----------------|
| 0 | 000 | 000 | 000 |
| 14% | 100 | 100 | 100 |
| 28% | 010 | 010 | 010 |
| 43% | 110 | 110 | 110 |
| 57% | 001 | 001 | 001 |
| 71% | 101 | 101 | 101 |
| 86% | 011 | 011 | 011 |
| 100% | 111 | 111 | 111 |

Note:

In online operation, only one master LED-DIM-3 Pro is allowed in a link. The master controls the slave LED-DIM-3 Pro and maximum 32pcs can be controlled.

***Please Note:** Improvements and specifications in the design of the unit and the manual are subject to change without any prior written notice.