

RGB DMX controller with remote control

Cod. ZKCDMX-R

Instruction manual

PRODUCT SPECIFICATION

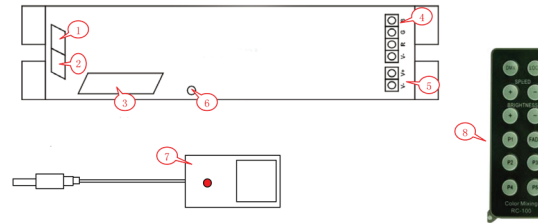
DMX series adopt the advanced micro-computer control technology and converted the DMX512/1990 digital signal widely used internationally to the analog control signal. 1~3 channels output for option and each channel able to achieve 256 gradations of controlling. It is mainly used for the controlling of buildings and LED for lighting. This controller is also able to change the DMX control & self-changing program freely by IR remote and make it be with many kinds of changing effect.

FEATURES

- Meets DMX512/1990
- With 3 channels output and Max.5A/CH output
- Decoder can diagnose and indicate DMX512 signal status (Not Connected, Pause, Normal); easy to use.
- Can set the DMX address more easily by DIP SWITCH
- It can achieve asynchronous color changing effect under working with DMX control system
- With many kinds of self-changing effect, and it is able to adjust the speed, brightness...etc
- Mode, suspend protection, output short circuit protection
- With IR remote function, and the red LED will be flashing once the IR signal found.
- Easy to connect and install
- Modularizing and can be matched with different LED module neatly
- With the light color selection mechanism is able to control the light with 1~3 colors - 256-level brightness, full-color controll
- Uses Logarithmic dimming curve with a smooth dimming effect.

TECH-PARAMETER

Decode CH.:	3CH
Signal Input:	DMX-512/1990 standard digital signal
Signal output:	0~24V , Max. 5A
Power Supply:	DC12~24V
Power Dis.:	<1W
Power output:	12V: <180W; 24V: <360W
IR Remote distance:	≤10m
Work Temp.:	0~70°C
Size:	175mm x 45mm x 35mm
Weight:	≤300g



- (1) DMX signal input interface(RJ45)
- (2) DMX signal output interface(RJ45)
- (3) Address setting interface
- (4) Driver output interface
- (5) Power input interface
- (6) IR receiver jack
- (7) External IR receiver
- (8) Remote control

REMOTE CONTROL INSTRUCTION

DMX: Press this button and get into DMX control, the device will start to receive the DMX signal

P1-P5: 5 regular changing modes

P1: 8 regular colors changing (Red, Orange, Yellow, Green, Cyan, Blue, Purple, White)

P2-P5: Full-color changing and the changing mode as following.

LOCK: Pause and keep changing

FADE: Changed from jumped change to gradual change on regular mode (only used for P2-P5)

BRIGHTNESS: 16-level brightness adjust for presaved program

+ Brightness increase 1 level

- Brightness decrease 1 level

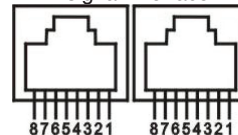
SPEED: 16-level speed adjust for presaved program

+ Speed increase 1 level

- Speed decrease 1 level

INTERFACE INTRODUCTION

DMX signal interface



Pin1 : Data+
Pin2 : Data-
Pin7 : GND
Pin8 : GND

- Address code setting on/off
How to use See "DMX series address DIP switch"

- Power Input Interface: DC12~24V input
- Driver output interface

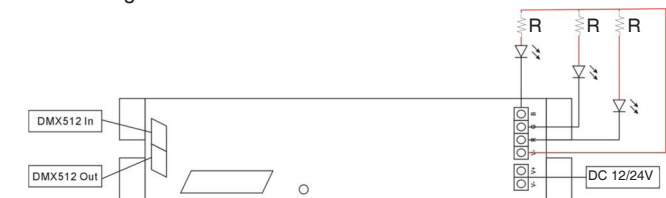
Common anode, V+ and R,G,B interface, can drive kinds of RGB module or single-color module, can regulate output current according to the actual load.

OPERATING INSTRUCTION

ZKCDMX-R Decoder is controlled by DMX-512, and its fore-end connect with the DMX512 signal transmit device. This instruction is only for LED driver.

TYPICAL APPLICATIONS

Circuit Diagram 1



Connecting of DMX-512 Signal

DMX signal cable used the RVSP and DMX signal tells positive(+) from negative (-). While welding the DMX signal cable plug, there must pay much attention to know positive (+) from negative (-), and then connect the DMX512 signal cable with the corresponding input interface of ZKCDMX-R correctly.

Connect a signal terminal at the end of the whole connection.

www.duralamp.it

DURASTRIP

CONTROLLERS: DMX Scheme

For 12V - MAX n.3 STRIP RGB 72W

