

LED CONTROLLER

This kind of controller, which adopts AC input and DC output (4 wires, 3 loops). The common anode represents +, RGB represents -, it is specially designed to be used with LED RGB Lightings. Compatible with International Standard DMX512 Signal, it can be used by connecting DMX512 Console directly and also has LCD for the purpose of visual display.

A. Specification

A-1. Structure

Materials Of Shell: A3 Iron Shell
 Input Voltage: 120V/240V AC
 Output Voltage: 12V/24V DC
 DMX512: Compatible
 Working Temp: -20°C ~ 45°C
 Protection: IP20



A-2. Model Configuration Table

Output Voltage	Output Current	Output Power	Size	Weight	✓
12V/24V DC	12A	144W(12V)/288W(24V)	L330xW215xH65mm	3.07kgs	

B. Working mode:

1. DMX512 mode (signal from DMX console)
2. Built-in mode
3. Master/Slave mode (Master=001, Slave≠003)

C. Setting and Built-in Programs

Press **【MODE】** into the setting of working mode
 Press **【MODE】** the controller will enter into two kinds of functions; Each time press the button, a new mode or function will be available.

Function: (A) Built-in programs;
 (B) Set DMX Address;

- (A) Built-in programs: (Total 26 functions)
 Brightness range of Static color: 0~255
 Speed range of Color change/fade: 0~100
 Cycle range of: 0~10
 *Function 08~25 can be optional in AutoRun Mode

(B) DMX ADDRESSING: Press **【UP】** or **【DOWN】** to start setting.
 DMX ADDRESS RANGE: 001~512
 The controller has 3 DMX channels designed as below:

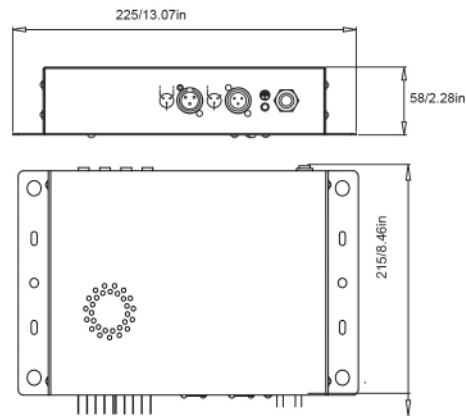
Built-in programs Sheet	
01 Static Red	14 Cyan Fade
02 Static Green	15 White Fade
03 Static Yellow	16 Color Fade1
04 Static Blue	17 Color Fade2
05 Static Purple	18 Red Flash
06 Static Cyan	19 Green Flash
07 Static White	20 Yellow Flash
08 Color Change	21 Blue Flash
09 Red Fade	22 Purple Flash
10 Green Fade	23 Cyan Flash
11 Yellow Fade	24 White Flash
12 Blue Fade	25 Color Flash
13 Purple Fade	26 Auto Run Mode

CHANNEL 1		CHANNEL 2		CHANNEL 3	
Data	Function	Data	Function	Data	Function
0~255	Brightness of Red	0~255	Brightness of Green	0~255	Brightness of Blue

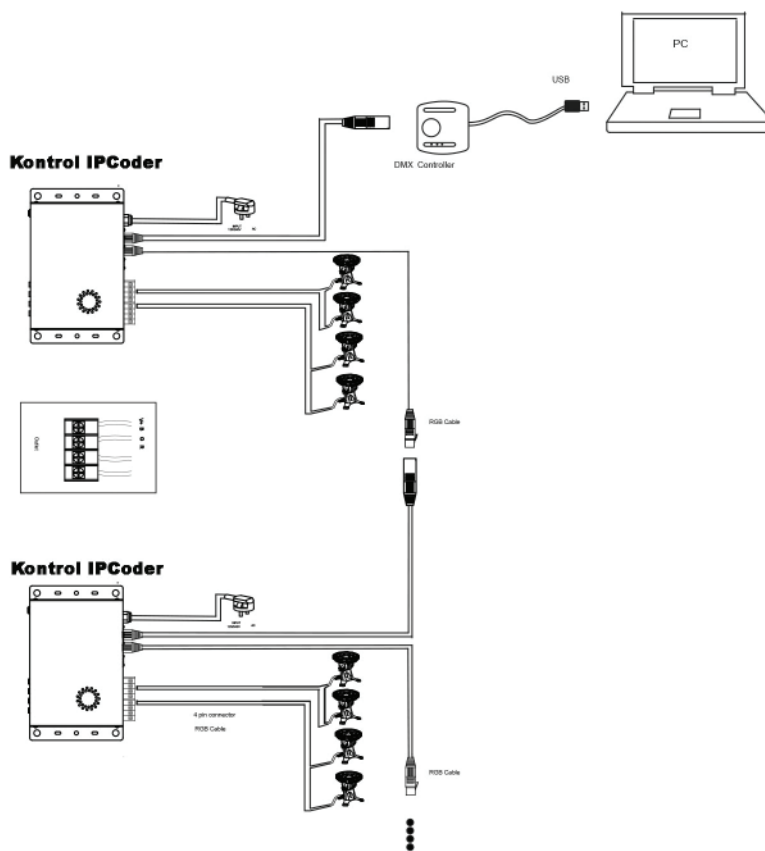
***Enter or quit DMX mode automatically once detecting valid signal!!!

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D. Dimension Drawing



E. Connection



F. Caution:

- H-1. The controller should be installed indoor and far away from disturbance from electric or magnetic field.
- H-2. Connect light fixtures to controller box strictly as per requirement, otherwise it will lead to failure of function performance or even damage to the circuit.
- H-3. Pay attention to the max output power, avoid overload and short-circuit.
- H-4. Do not dismantle the control box once failed, turn to dealer or professional person for replacement or repairing.

Note: The above instructions are subject to update or improvement without notice. Please turn to our staff for further details!
Thanks for your long term support!