

LED CONTROLLER

ITEM NO.: **CTR-RGB-BOX**

INSTRUCTION OF CTR-RGB-BOX

The controller is one kind of professional and friendly-use type, which is consist of 6 groups of RGB output. With 32 built-in programs and easy connection, the controller can provide convenience and simple installation and connection in the project, but with powerful functions. The controller is compatible with international standard DMX 512 signal, and can load common LED light fixture with RGB voltage-controlled type (usual saying, input volt of DC, 4wires and 3circuits), especially the underground light, pool light, built-in ceiling light, RGB strip, spot light...etc.

A. Character

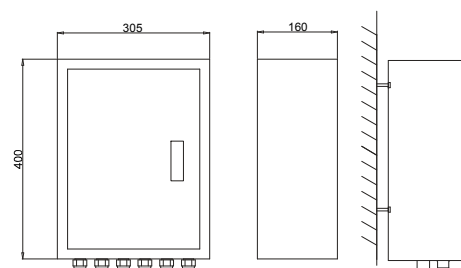
Size:	L400 × 305 × 160mm	
Weight:	0.67kgs	
Working Temp:	-20°C ~ 55°C	
Input Volt:	120V AC	240V AC
Output Volt:	12V DC	24V DC
Output power:	Max 300W (6x50W)	
Protection:	IP20	



B. Installation:

Fix the screw(x2) into the wall firstly, and leave 5~8mm length out; hang the controller via the hole on the back onto the wall via the screw.

*** Measure the spacing between center position of two hanging holes on the back previously.



C. Function and operation

C-1. Introduction

- Available for LED fixture with R,G, B 12V/24V DC-controlled type
- 32pcs built-in programs optional with adjustable parameter
- Max. 6groups fixtures(Max 50W for each group) can be connected
- Direct connection, simple and easy operation
- Timing On/Off
- Record the parameter automatically
- Compatible with DMX 512 signal, with 6 separate DMX address

C-2. DMX Addressing and System Setting

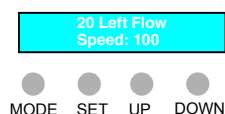
There was two groups of button for DMX addressing.

Group A: Four buttons with LCD display

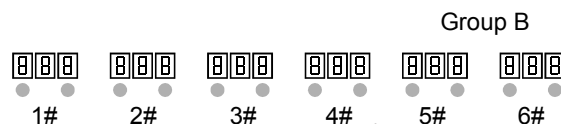
- Function setting(built-in program)
- DMX addressing
- System Time Set
- ON ---> OFF

Group B: 6sets (3numeric LED, 2buttons)

- DMX addressing



Group A/LCD



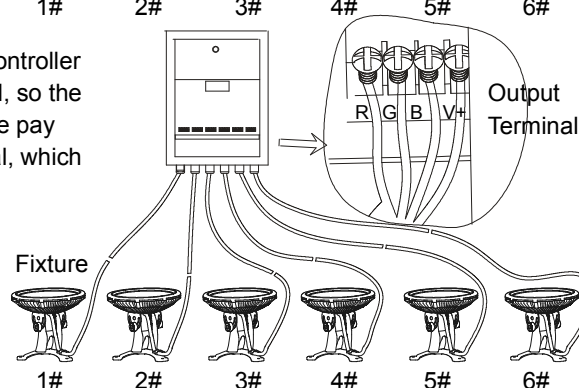
Group B

C-3. Connection

Must connect the fixture to the terminals inside of controller box in serial sequence, e.g. 1# fixture to 1# terminal, so the built-in programs can be performed correctly. Please pay attention to the polarity of fixture and output terminal, which should be of the same setting and definition. .

e.g.: Fixture	Output terminal
(LPL-6-36P-24V)	
Black wire	----- V+(common)
Brown wire	----- Red LED(-)
Yellow/Green wire	----- Green LED(-)
Blue wire	----- Blue LED(-)

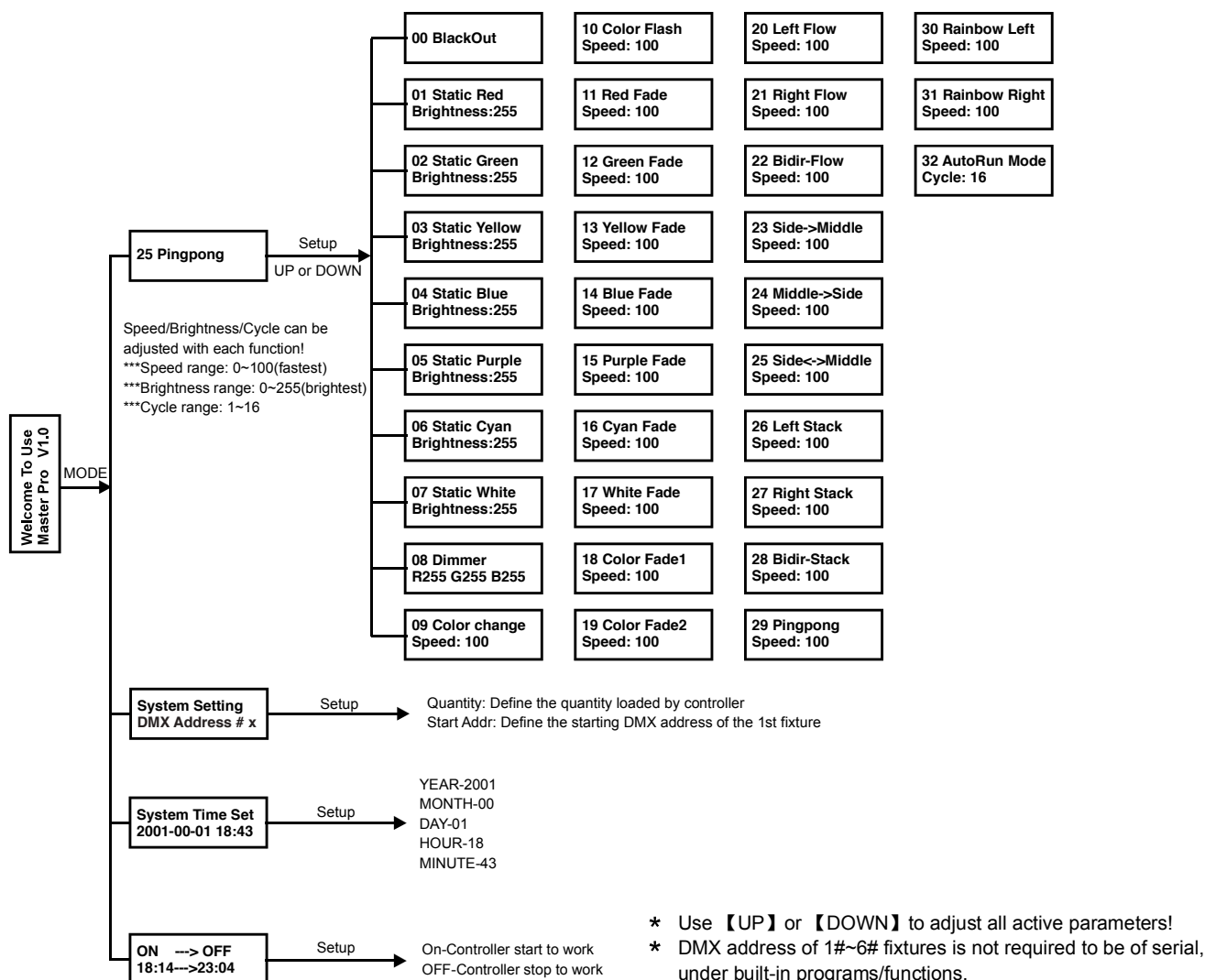
*** Please refer to actual definition of color of cable in different fixtures.



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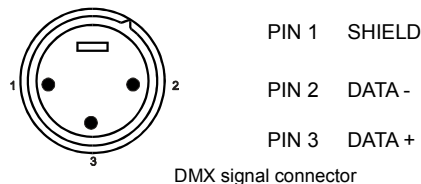
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D Program menu



E. Remark

- E-1. When selected parameter stop flashing or exit present operation, setting will be recorded automatically; It is forbidden to cut the power off during setting.
- E-2. Connect the fixture/4wires into the terminals R(-), G(-), B(-), V+ strictly and tightly.
- E-3. DMX connector; Automatically detect DMX signal.



F. CAUTION

- F-1. The controller should be installed indoor and far away from disturbance from electric or magnetic field.
- F-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.
- F-3. Pay attention to the max output power, avoid overload and short-circuit.
- F-4. Replace the fuse/10A, if there was no output volt.
- F-5. Do not dismantle the control box once failed, turn to dealer or professional person for replacement or repairing.