

LED CONTROLLER

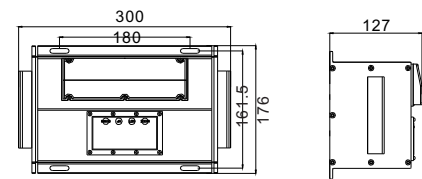
ITEM NO.: CTR-BOX

INSTRUCTION OF CTR-RGB-BOX

There are 6 groups RGB output in the controller, with 32 built-in programs, timing on / off function, automatic storage parameters, compatible with international standard DMX512 signal, 6 separate DMX address. Which can provide convenience and simple installation in the project. It is used for 24V/12V DC RGB products (usually saying, DC input, 4wires and 3circuits), especially the underground light, pool light, built-in ceiling light, RGB strip, spot light, etc.

A. Character:

Size :	L292xW176xH127mm
Housing Material :	Aluminum Alloy
Weight :	4KG
Input Volt :	120V/240V
Output Volt :	24V/12V
Power :	300W (6x50W) (max) 180W (6x30W) (max)
Protection :	IP20



Mounting dimension
(Figure 1)

B. Installation:

B-1. Introduction :

Fix the screws (x4) into the ground firstly, hang the box and lock the nut. (Figure 2)

B-2. Connection (Figure 3) :

Firstly, take apart the PC cover, remove the terminals, wiring the output terminal as shown in Figure 3, then plug the terminal on the pins (original position), separate the bonding clamp for compressing the wire and lock the PC cover.

4 colors(red, green, blue, black) in our 4wires and 3 circuits products.

Wiring corresponding follows:

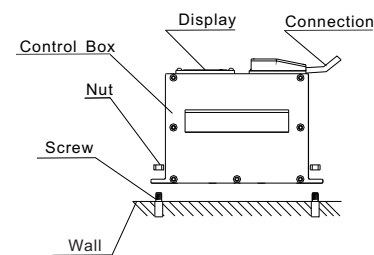
Black wire ----- V+

Red wire ----- R

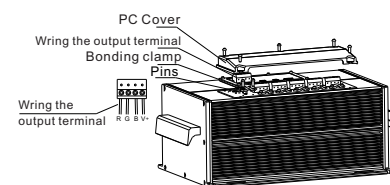
Green wire ----- G

Blue wire ----- B

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



(Figure 2)



(Figure 3)

C. Function and Operation

C-1. Buttons:

MODE: Function selection

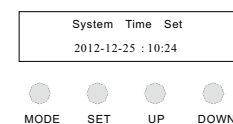
SET:Parameter selection (press once then move next)

UP: +

DOWN: -

C-2. Time Setting (Figure 4):

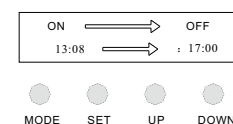
Press the MODE button to the interface as Figure 4, 2012 begins to flash, press UP, DOWN button adjusted to the desired year, then press the SET button to 12, as adjusted to the desired month by the UP, DOWN button, and then press the SET button to the next.



(Figure 4)

C-3. Timing ON/OFF Setting (Figure 5)

Press the MODE button to the interface as Figure 5, the number 13 of the 13:08 begin to flash, press UP, DOWN button adjusted to the desired hours, and then press the SET button jump to 08, as adjusted to the desired minutes Press the UP, DOWN button, and then SET button to the next.



(Figure 5)

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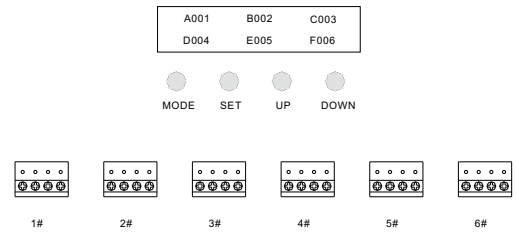
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C-4 DMX Address Setting (Figure 6)

Press the MODE button to the interface as Figure 6, the 001 (back of the A) starts flashing, press the UP and DOWN button adjusted to the desired address, then press the SET button jump to the 002 (back of the B), Press the UP, DOWN button adjusted to the desired address and then SET button to the next.

Note: A001 corresponds to 1# terminal, B002 corresponds to 2# terminal, address and serial number correspond in the order.

***Valid address: 001~512

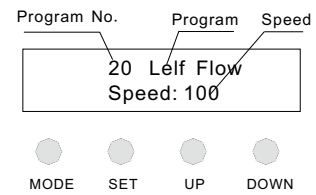


(Figure 6)

C-5 Function Switch Setting (Figure 7)

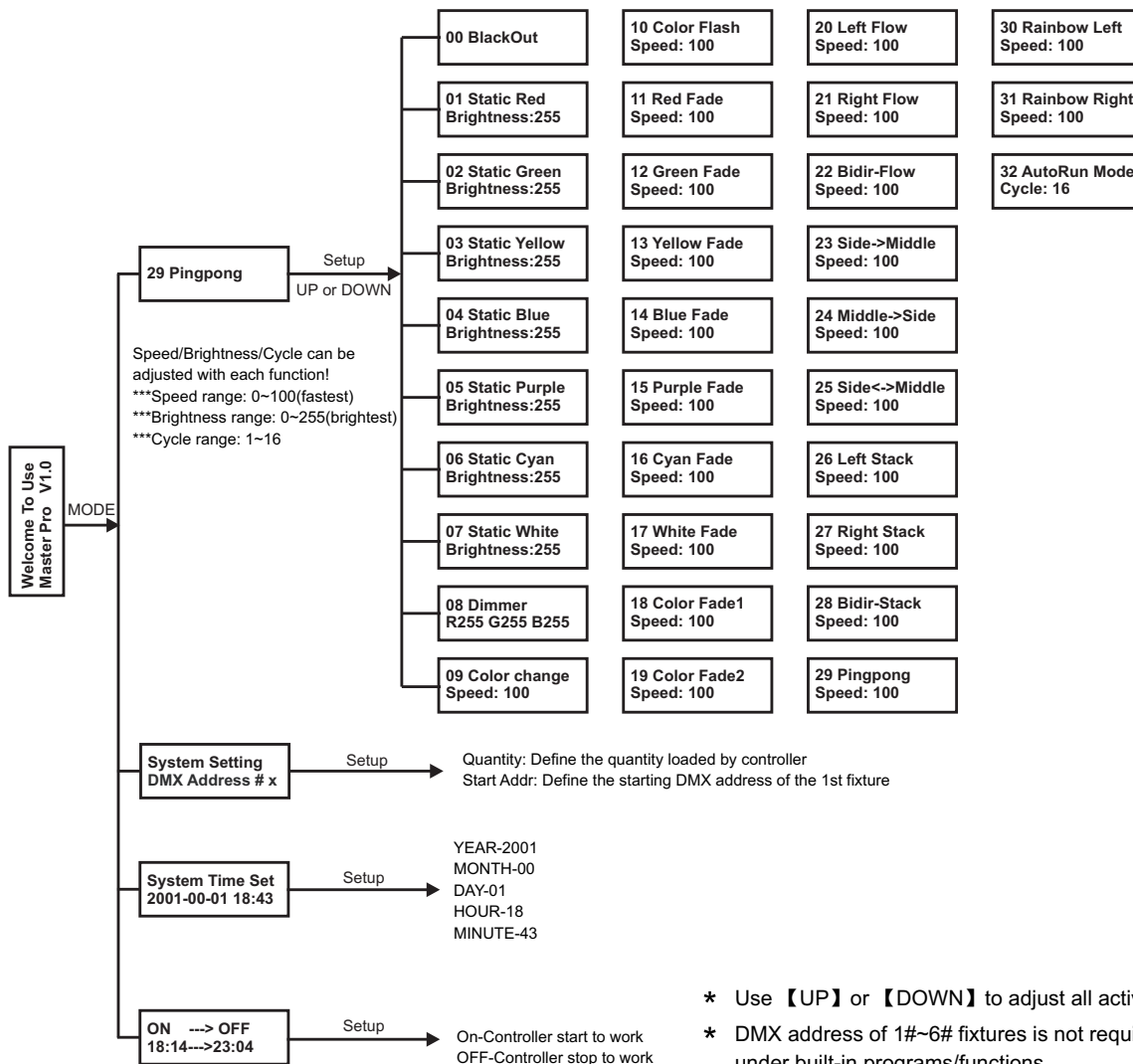
Press the MODE button to interface as Figure 7, 20 is flashing, press UP, DOWN button adjusted to the desired function number, then press the SET button so the Speed is flashing. Adjusted speed by UP and DOWN button. Other function number is similar to this way.

Note: The above operations adjusted to the desired parameters, flashing wait about 5 seconds, then complete the automatic storage.



(Figure 7)

D. Program Menu



- * Use **【UP】** or **【DOWN】** to adjust all active parameters!
- * DMX address of 1#~6# fixtures is not required to be of serial, under built-in programs/functions.

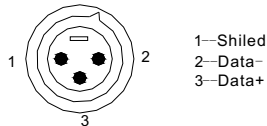
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E. Addressing

- E-1. When selected parameter stop flashing or exit present operation, setting will be recorded automatically; Do not cut the power off during setting.
- E-2. Connect the fixture/4wires into the terminals R(-), G(-), B(-), V+ strictly and tightly.
- E-3. Display address A, B, C, D, E, F, and 1 #, 2 #, 3 #, 4 #, 5 #, 6 # are corresponding;
- E-4. Once the parameter setup cannot be recorded correctly, please replace the cell battery duly.

F. DMX Signal Connector



G. Caution

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

Warning :

1. Max. Loading Power of 24V Controller Not Exceed 300W
Max. Loading Power of per Terminal Not Exceed 50W!
2. Max. Loading Power of 12V Controller Not Exceed 180W
Max. Loading Power of per Terminal Not Exceed 30W!

The above instruction are subject to update or improved without notice. Pls turn to our staff for further details !
Thanks for your long term support !