ALTLED®

reddot design award winner 2011

iF product design award 2010

Aeon Lighting Technology Inc.

Dimmable F02 RGB

High Power LED Lighting

c UL us LISTED LED Lamp 42CP

c ETL us Intertek 3186663

www.tuv.com TÜVRheinland ID 2000000000

• BAUART GEPRÜFT • TYPE APPROVED

CE FC CB F D C

LVD Testing Compliant | RoHS Compliant | Laser Testing Compliant | REACH Compliant

SGS ISO 9001

www.aeonlighting.com

Specifications

ALTLED F02-RGB SPECIFICATION：

Source：	High Power LEDs
Beam Angles：	25° / 130°
Dimension：	380mm x 225mm x 85mm
Power Consumption :	Red 24W / Green 24W / Blue 24W
LED Qty :	Red 30 pcs / Green 21 pcs / Blue 21 pcs
Chips connecting :	Red 10S3P / Green 7S3P / Blue 7S3P
Input Voltage:	24V (3 channel)
Weight：	210 ~ 280 oz. (6 ~ 8 kg)
Housing Material：	Aluminum

ENVIRONMENTAL SPECIFICATIONS：
Temperature Range Ambient：-40° F to 122° F (-40°C to 50°C);
Humidity Range：0 to 95% non-condensing humidity

ALTLED Recessed Light must be tested in end users' worst-case environmental conditions to verify that the housing temperature does not exceed rated housing surface temperature.

Luminous Flux & Wavelength

FLUX CHARACTERISTICS , JUNCTION TEMPERATURE Tj = 25℃ :

Color	Red	Green	Blue
Luminous Flux (lm)	1100 lm	1750 lm	550 lm

OPTICAL CHARACTERISTICS :

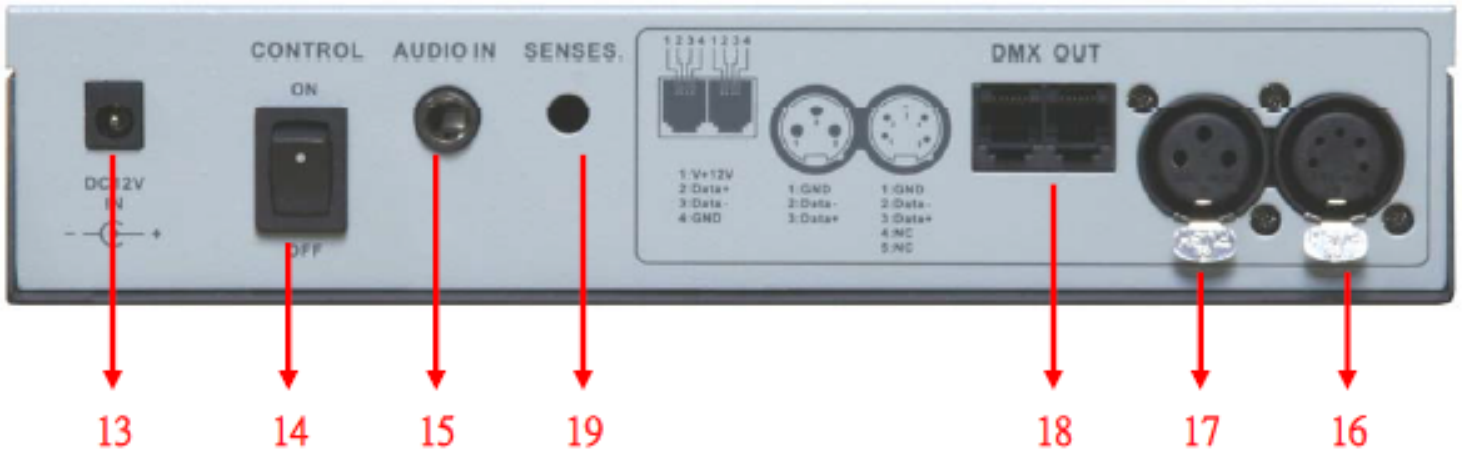
Color	Dominant Wavelength (nm) or Color Temperature (K)		
	Min.	Typ.	Max.
Red	620 nm	625 nm	635 nm
Blue	460 nm	470 nm	475 nm
Green	515nm	525 nm	530 nm

Color Rendering Index (CRI) for our white product is higher than those made with Yag or Tag phosphor.
Nitride phosphor consists of green and read spectrum which enhances CRI

4 Channel DMX Controller

■ Power supply	DC 12V/ 1A
■ Control signal	DMX512 / 1990
■ Control channel	4 channel
■ Connector	XLR 3-pin(x1), XLR 5-pin(x1),phone jack RJ11(x2)
■ Audio input	Max. input : -10 db 100mV
■ Weight	1 Kg
■ Dimension	200(W)*53(H)*186(D) mm

Rear Panel Features



13	Power supply: DC 12V / 1A
14	Power switch
15	Audio input: 100mV
16	DMX connector: XLR 5-PIN
17	DMX connector: XLR 3-PIN
18	DMX connector: PHONE JACK (RJ11)
19	Audio sensitivity control

3 Circuit DMX LED Dimmer

1. DMX-512 input
2. DMX-512 output
3. DMX-512 addressing dip switch
4. DC Input (12V- 36V)
5. LED Output x 3

Specification

1. Power Input: DC 12 – 36V
2. Output: Constant voltage
   - <20V: 3A per channel
   - >20V: 2A per channel
   - >30V: 1.5A per channel
3. Protocol: DMX-512
4. Dimension: 176 (W) * 55 (H) * 34 (D) mm
5. Weight: 290g

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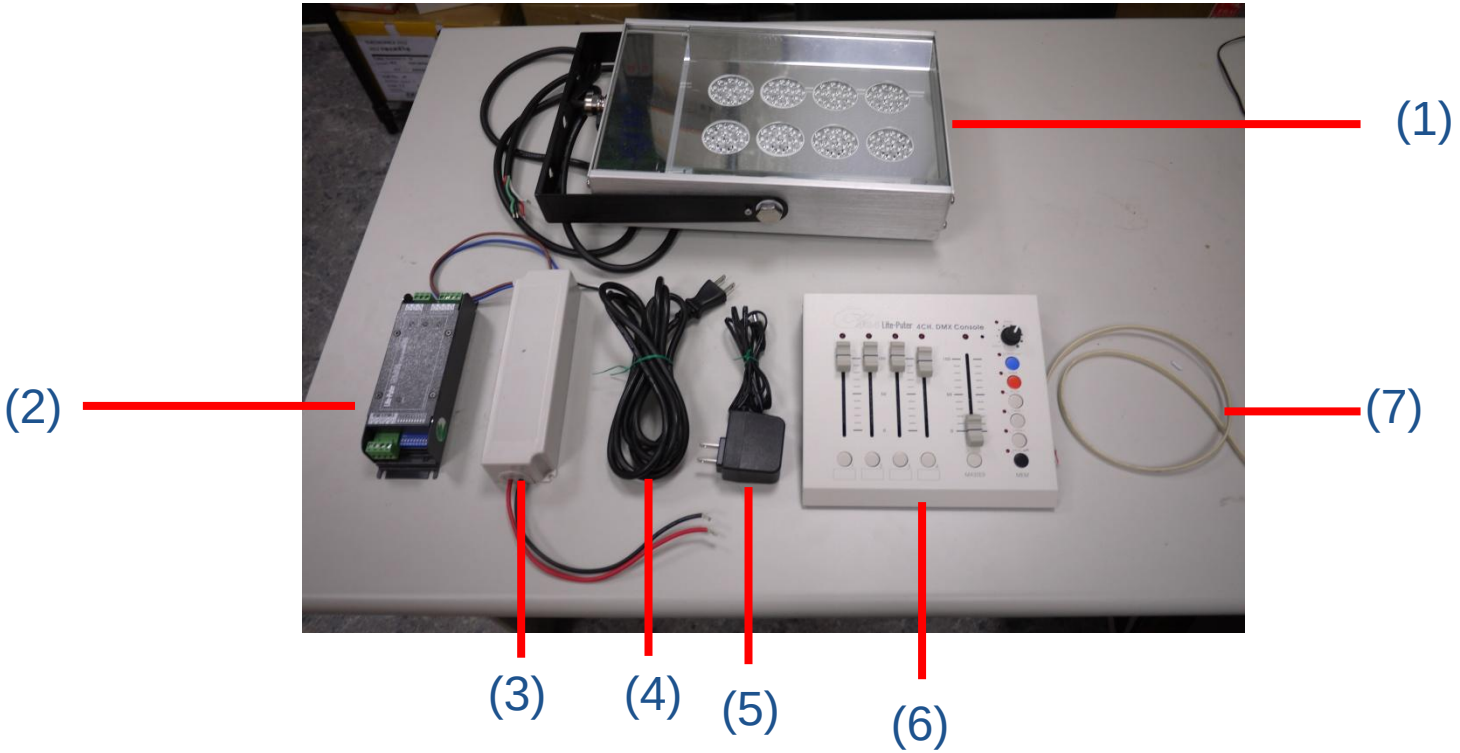
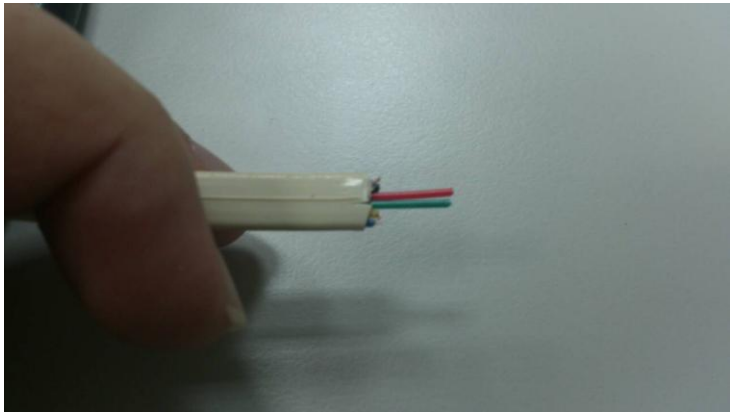
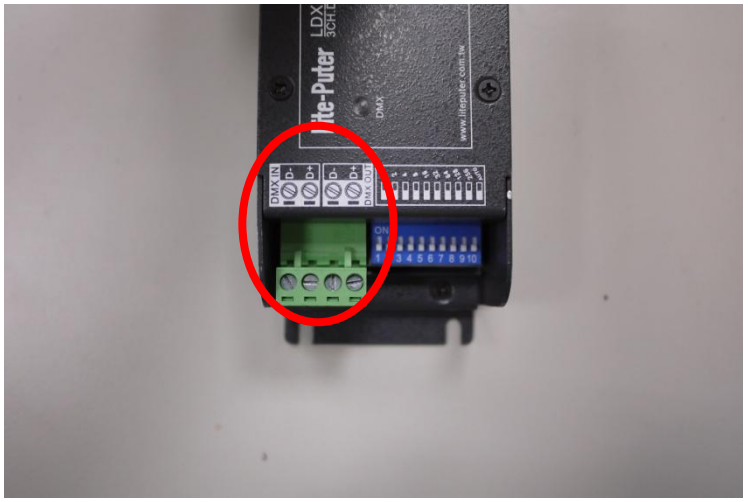
Installation Instructions



(1) ALT Dimming RGB *1
(2) 3 circuit DMX LED Dimmer *1
(3) DC 24V adapter *1(must be purchased separately)
(4) AC power cord *1(must be purchased separately)
(5) 4 channel DMX controller power cord *1
(6) 4 channel DMX controller *1
(7) 4 channel DMX controller analogy cord *1

Installation Instructions



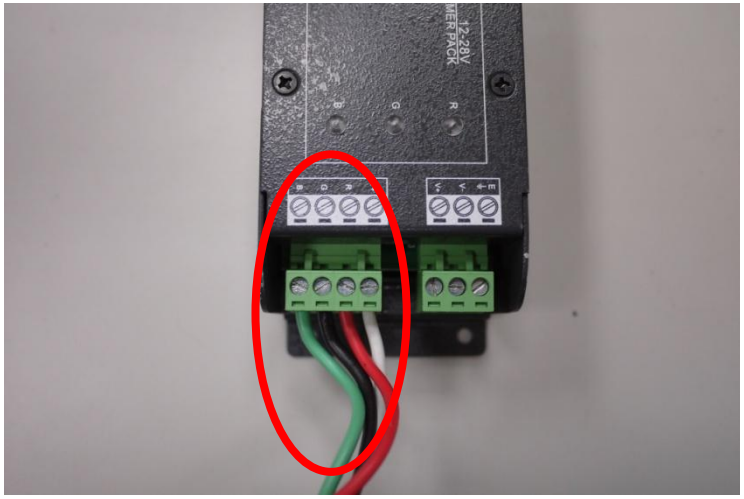


Step1：Cut PVC shell of the analog line 4 channels DMX controller, which will have white, black, red, green, yellow, blue six lines remain red, cut the rest of the Green Line, the use of strippers to the red, green line the outer PVC removed.

Step2：As left picture red box at the red line connected to the DMX IN negative, green wire connected to the DMX IN positive, after the completion of the following below picture (1) red box.

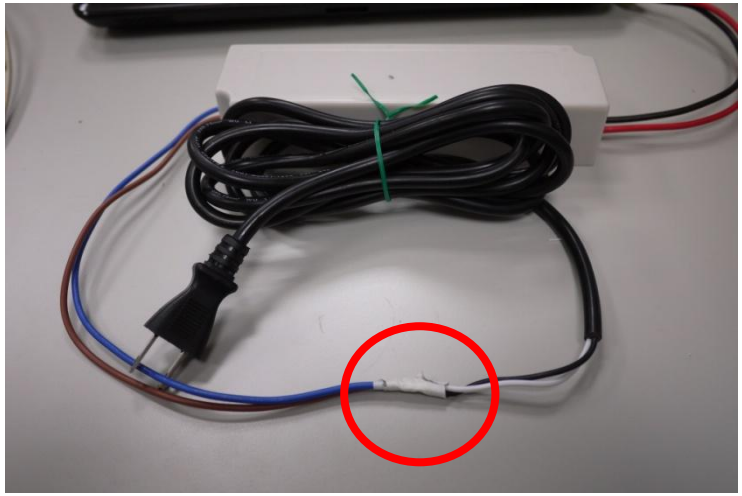
Picture (1)

Installation Instructions



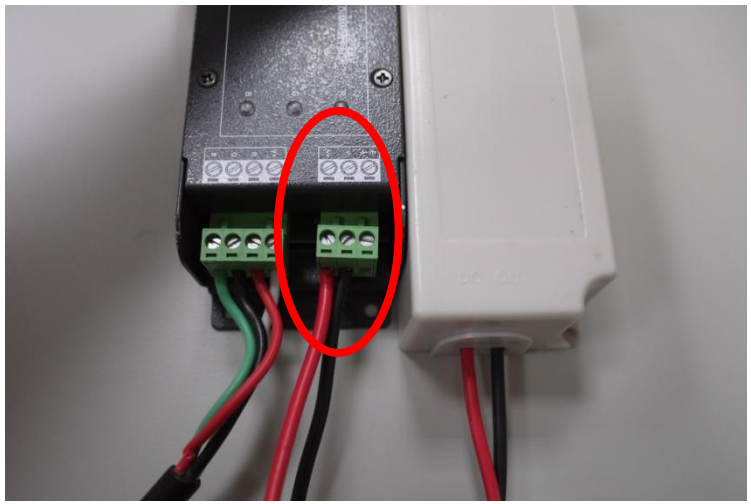
Step3：LED lights R , G, B, power four lines were connected to the three-loop DMX LED dimmer as red box.

Ps. As red box the white, red, black, green, respectively R, G, B, power.



Step4：AC power cord with DC 24V adapter AC IN termination.

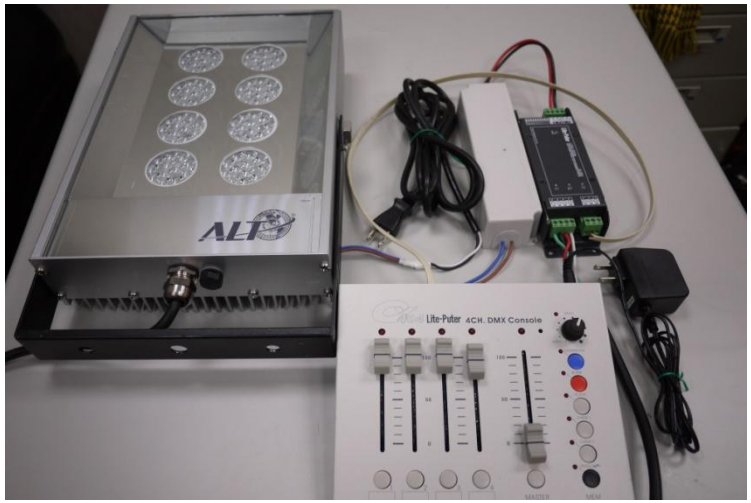
Installation Instructions



Step5：As the right red box DC OUT DC 24V adapter connected to the red end of the black cable to the positive and negative.

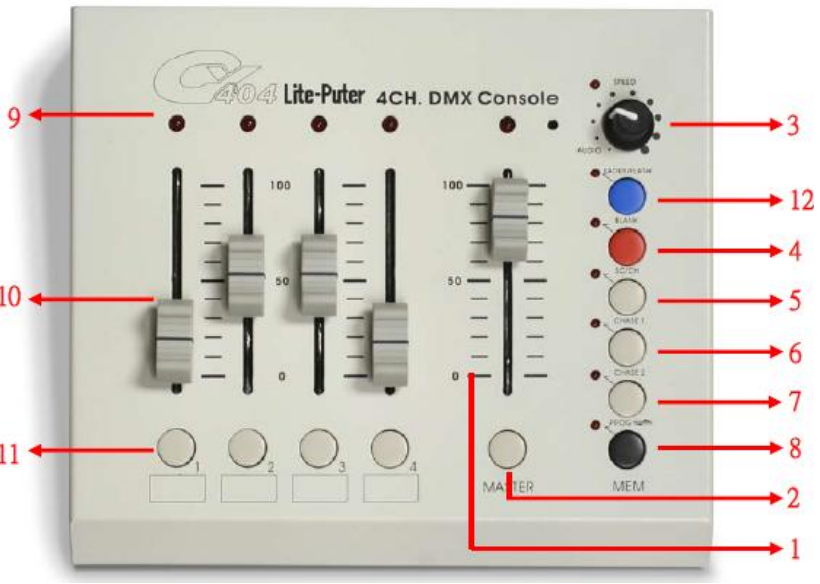
Step6：Analog cable and power cable connect to the 4-channel DMX controller.

Installation Instructions



Step7：Completion of the above steps to complete the installation.

Operation Panel



1	MASTER-VR	Master dimming control
2	MASTER	Master Flash control
3	SPEED/ AUDIO	Audio / speed chase control
4	BLANK	Pause
5	SC/CH	Scene / Channel control
6	CHASE 1	Recall Chase 1 Mode
7	CHASE 2	Recall Chase 2 Mode
8	PROG/MEM	Scene/ Chase direction control
9	LED	Signal display
10	VR-1…VR-4	■ Setting 1…4 dimming channel ■ Recall 1…4 Scene
11	Button 1 ~ 4	Channel / Scene setting / FLASH
12	FLASH/FADER	Chase Mode FLASH / FADER setting

Operating Instructions

Scene Setting：

STEP-1 press【SC / CH】to select the control channel
LED : off in CH mode
LED : on in SC mode
STEP-2 move【MASTER-VR】to the top
STEP-3 move【VR-1 … VR-4】to dimming
STEP-4 press【PROG】+【1…4】to confirm and save the selection

Scene Recall：

A: 0%…100% VR control
STEP-1 press【SC / CH】key to select【SC】mode. (LED ”on”)
STEP-2 press【VR-1…VR-4】
Ex : to recall SC-2, adjust the【VR-2】, to recall scene 2 by dimming
B: FLASH
STEP-1 press【SC / CH】to select【SC】mode. (LED ”on”)
STEP-2 press【1…4】
EX : to recall SCENE 2, press【2】,and scene 2 switch to 100% full, and release the key to off the function.

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Operating Instructions

Internal Chase Setting (Speed Chase)：

2 mode of chase setting:
(1) in【CH】mode : Chase by CH mode
(2) in【SC】mode : Chase by SC mode

【CH】mode：

STEP-1 press **【SC/CH】, to select the channel. (LED ”off”)**
STEP-2 to select the chase.
Led : ● **on** ○ **off**

4. press【CHASE 1】 ：

CH.	1	2	3	4
Red	●	○	○	○
Green	○	●	○	○
Blue	○	○	●	○
n/a	○	○	○	●

repeat …

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Operating Instructions

5. press【CHASE 2】：

CH.	1	2	3	4
Red	●	●	○	○
Green	○	●	●	○
Blue	○	○	●	●
n/a	●	○	○	●

repeat …

6. press【CHASE 1】+【CHASE 2】：

CH.	1	2	3	4
Red	●	●	●	○
Green	○	●	●	●
Blue	●	○	●	●

repeat …

Operating Instructions

STEP-3 to adjust the speeding of chase, press【**SPEED**】**to adjust.**
STEP-4 press【**PROG**】**to change the chase direction**

Operating Instructions

【SC】mode ：

STEP-1 press **【SC/CH】, to select the SC mode**

STEP-2 to select

➢press **【CHASE 1】：to execute the SC-1…SC-2 chase.**

➢press **【CHASE 2】：to execute the SC-3…SC-4 chase.**

➢press **【CHASE 1】+【CHASE 2】：to execute the SC-1…SC-4 chase.**

STEP-3： move **【VR-1…VR-4】** 。

●Select **【CHASE 1】:**

move【VR-1…VR-2】, ”SC-1…SC-2” to execute ”Chase” mode

move【VR-3…VR-4】, ”SC-3…SC-4” to execute ”Dimming” mode

●Select **【CHASE 2】:**

move【VR-1…VR-2】, ”SC-1…SC-2” to execute ”Dimming” mode

move【VR-3…VR-4】, ”SC-3…SC-4” to execute ”Chase” mode

●Select **【CHASE 1】+【CHASE 2】:**

move【VR-1…VR-4】, ”SC-1…SC-4” to execute ”chase” mode

STEP-4： Chase speeding, select the **【SPEED】to control**

STEP-5： Press **【PROG】to change the chase direction**

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Operating Instructions

Sound control：

STEP-1：【**SPEED**】White indicator on the direction of rotation counter-clockwise into the sound control in the end that control. At this time musical control signals. Built-in microphone, the other can receive Line signal input (100mV).

Pause Output：

Press【BLANK】，You can pause the output, press again to restore the original output state.