

SD-C7060

6 Programs 120W IR Controller

MANUAL



1.Input/ Output Interface



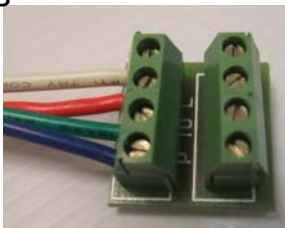
IR Sensor



Input Power-DC
Output-Terminsl to LED modules

- A. IR Sensor: The distance between IR remote controller and RGB Controller is 7~10m.
- B. Power: Power input DC12V or DC24V (10V~30V).
- C. Output: connect to LED modules

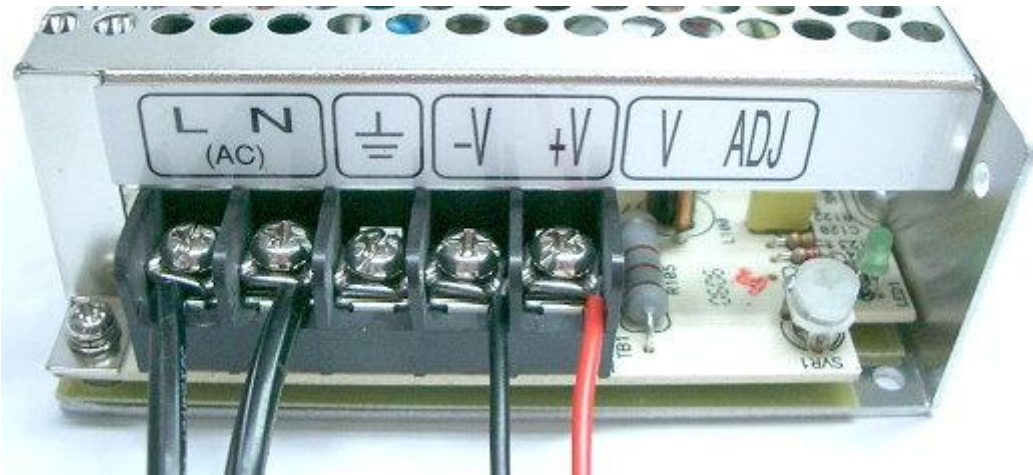
s



White line=COM or V+
Red line=Red LED
Green line= Green LED
Blue line=Blue LED

- D. Built in Buzzer: Receiving signal from IR remote controller then the buzzer will sound.

2.AWCL-120-6P RGB Controller to DC PC Supply



Input power: DC 10V~ 30V

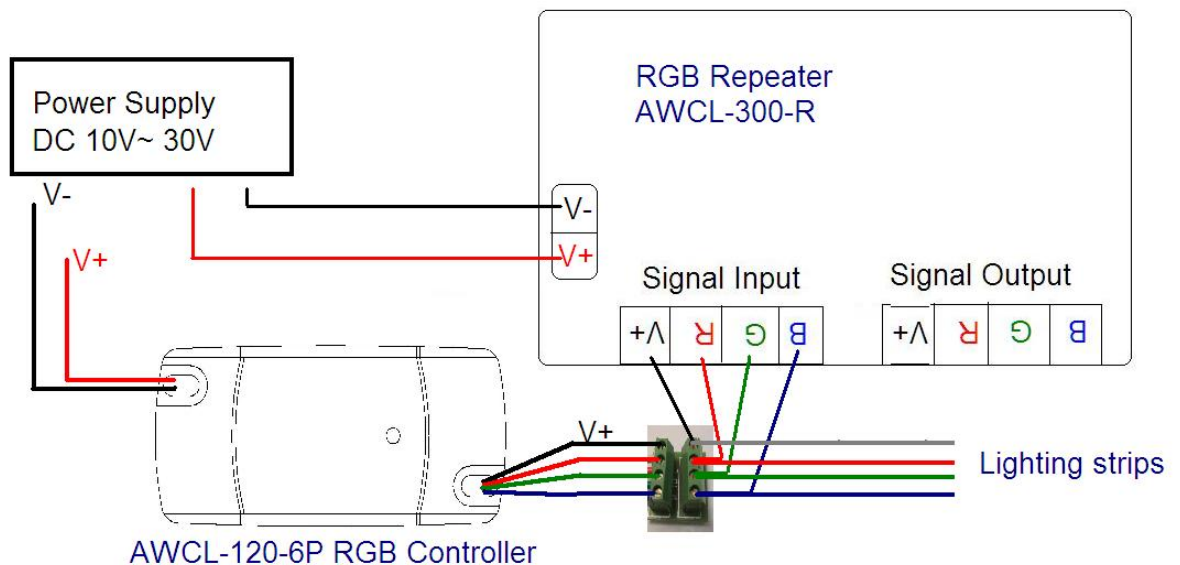
3.AWCL-120-6P RGB Controller to Power Supply and LED Modules



Output power: DC24V/120W; DC12V/60W

4. AWCL-120-6P RGB Controller connects to AWCL-300-R Signal Repeater

While Voltage drops or consumption of AWCL-120-6P is full, connect AWCL-300-R RGB Repeater (DC10V~30V, 15A) at the last LED module or directly connect AWCL-300-R by wires for Extension. Please check the AWCL-300-R's manual for more detail specification.



5. IR Sensor



Built-in IR Sensor

There are 2 types of IR sensors, built-in mode is standard. We also provide IR with 50cm line for customer's request.

6.IR Remote Controller



Power	Power ON/OFF
R, G, B, O, Y, I, W, P	Single color in static mode (R=Red; G=Green; B=Blue; O=Orange; Y=Yellow; I=Indigo; W=White; P=Purple.)
E	No function
Speed+	P1~P6 Dynamic mode speeding
Speed-	P1~P6 Dynamic mode slower
Brightness+	Dynamic mode and static mode brighter
Brightness -	Dynamic mode and static mode darker
Pause	P1~P6 pause
Fade/Jump	Switching to Fade/Jump mode
P1~P6 programs	Built-in Color mixing 6 programs
R+	Add red color in static mode
R-	Decrease red color in static mode
G+	Add green color in static mode
G-	Decrease green color in static mode
B+	Add blue color in static mode
B-	Decrease blue color in static mode

Note:

1. R+/-/G+/-/B+/-:To mix the color you need to be in static mode. For example, while the color of the LED module is blue, press R+ button, then the LED color turn to purple; press R- button again, the LED color will return to blue.
2. P1~P6 color mixing programs: Built-in color mixing programs could not be changed. When mass quantity, user could have their own design of color

mixing programs.

7. Specification:

Model Number	AWCL-120-6P 6 program mini IR Controller
Input Voltage	DC 10V~30V
Output power	DC 24V / 144W ; DC 12V / 72W
MAX current	R:2A, G:2A, B:2A, Total: 6A
LED Module Type	Constant voltage with constant current, or constant voltage with limited voltage.
Dimension	100mm x 45mm x 30mm (L x W x H)
Weight	60 g
Operating Temperature	0°C ~ +50°C
Storage Temperature	-10°C ~ +60°C

