

# 5-Channel High Performance Amplifier

This amplifier uses high current MOSFETs to ensure robust output power and high-speed optical couplers with a 10Mbps rate for precise signal transmission. It seamlessly integrates with all PWM LED controllers, doubling the number of LEDs that can be connected with each additional amplifier. Designed for large-scale, synchronized LED applications, it features optoelectronic isolation for safe and reliable operation.



## FEATURES

- High current MOSFET ensures robust output power.
- 10Mbps optical coupler for fast, synchronous signal transmission.
- Compatible with all PWM series LED controllers.
- Expands LED capacity by adding amplifiers.
- Optoelectronic isolation for safe input/output.
- Supports large-scale, synchronized LED applications.

## COMPATIBLE FIXTURES

- Please refer to the 'LED Controllers List' section on page 163
- To be used with CNTRL-RGB CCT controller

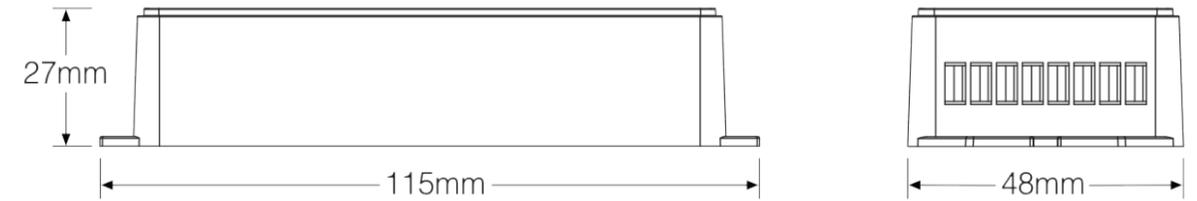
## SPECIFICATIONS

<b>Product Code</b>	CNTRL-AMP	
<b>Electrical</b>	Input Voltage	DC12 / DC24V
	Output Current	6A/Channel
	Total Output	Max 15A
<b>Specs</b>	Switching Rate	10Mbps
	Connection	Common anode
	Operating Temperature	-20 to 60°C
<b>Dimensions</b>	1.06 x 4.53 x 1.89 inches	
	27 x 115 x 48mm	
<b>Approvals</b>	RoHS	

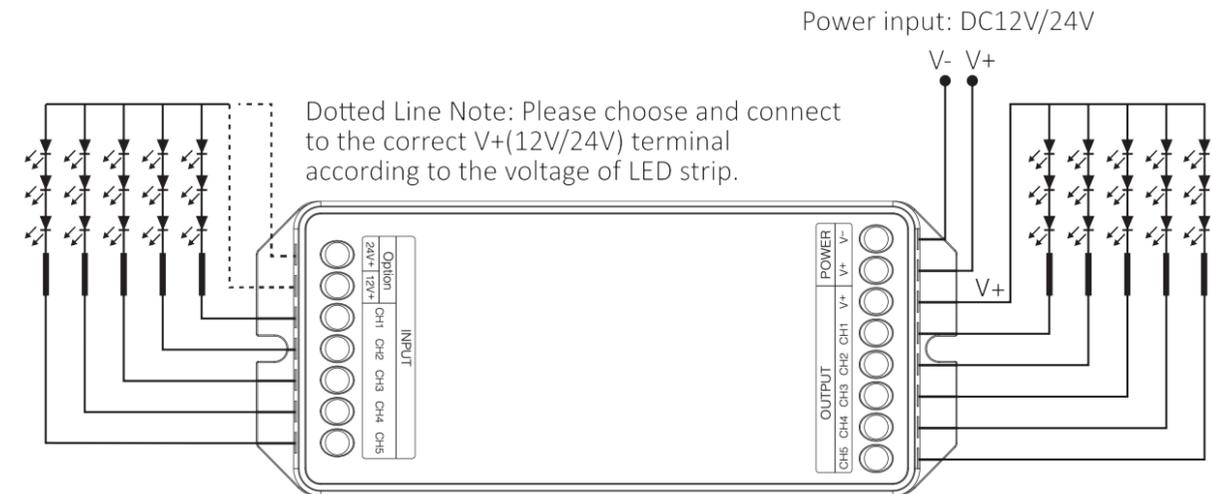
## PRODUCT CODES

CNTRL-AMP

## DIAGRAM



## WORKING DIAGRAM



### NOTE:

1. LED strip must be DC12V or 24V.
2. Output and input voltage must be the same.