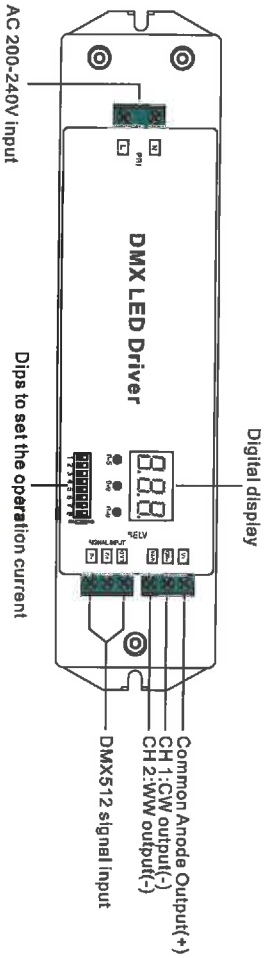


# 50W 2CH DMX512 LED Driver (Constant Current)

09.218CCT.04304



**Important: Read All Instructions Prior to Installation**  
**Function introduction**



## Product Data

Selectable Current	250mA	300mA	350mA	400mA	450mA	500mA	600mA	700mA
DC Voltage Range	8-48V	8-48V	8-48V	8-48V	8-48V	8-48V	8-48V	8-48V
Selectable Current	800mA	900mA	1000mA	1100mA	1200mA	1300mA	1400mA	1500mA
DC Voltage Range	8-48V	8-48V	8-48V	8-46V	8-41V	8-38V	8-35V	8-33V
Rated Power	50W							
Voltage Range	200-240VAC							
Frequency	50/60HZ							
Input Power Factor (Typ.)	> 0.9							
Efficiency (Typ.)	87% @ 230VAC							
Input Current	0.27A @ 230VAC							
Short Circuit	Yes							
Over Voltage	Yes							
Over Temperature	Yes							
Working Temp.	-20°C ~ +45°C							
Max. Case Temp.	85°C							
Environment	Working Humidity 10% ~ 95% RH non-condensing Storage Temp. & Humidity -40°C ~ +80°C, 10% ~ 95% RH							

Safety Standards	ENEC EN61347-1, EN61347-2-13 approved
Withstand Voltage	W/O/P: 3.75KVAC
EMC Emission	EN55015, EN61000-3-2, EN61000-3-3
EMC Immunity	EN61547, EN61000-4-2, 3, 4, 5, 6, 8, 11, surge Immunity Line-Line 1KV

MTBF 193.6K hrs min. @ 230VAC at full load and 25°C ambient temperature

Dimension 210\*50\*32mm (L\*W\*H)

### Dips to set the operation current

250mA	1	2	3	4	5	6	7	8	800mA	1	2	3	4	5	6	7	8
300mA	○	○	○	○	○	○	○	○	900mA	○	○	○	○	○	○	○	○
350mA	○	○	○	○	○	○	○	○	1000mA	○	○	○	○	○	○	○	○
400mA	○	○	○	○	○	○	○	○	1100mA	○	○	○	○	○	○	○	○
450mA	○	○	○	○	○	○	○	○	1200mA	○	○	○	○	○	○	○	○
500mA	○	○	○	○	○	○	○	○	1300mA	○	○	○	○	○	○	○	○
600mA	○	○	○	○	○	○	○	○	1400mA	○	○	○	○	○	○	○	○
700mA	○	○	○	○	○	○	○	○	1500mA	○	○	○	○	○	○	○	○

- Dimmable LED driver
- Max. output power 50W total
- 2 channels 250-1500mA constant current output
- Dips to set the operation current
- Class II power supply, full isolated plastic case
- High power factor and efficiency
- To switch and dim single color LED lighting
- Standard DMX512 compliant control interface, enable to set the DMX address freely. And show address via digital numeric display.
- IP20 rating
- Suitable for indoor LED lighting applications
- 3 years warranty

### Safety & Warnings

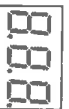
- DO NOT install with power applied to device.
- DO NOT set the operation current with power applied
- DO NOT expose the device to moisture.

### Operation

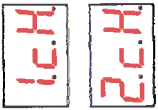
Select the correct output current before wiring to LED light by DIP switches. Please make sure the power to the driver is disconnected before selection of the output current.

### Set DMX Address Manually Via Buttons

- 1.1 Press and hold down button "1" until numeric digital display flashes, then release the button.
- 1.2 Click any of the 3 buttons once to select a digit, click again to change the digit until the desired DMX address appears. Click button "4" to set "hundreds" position, button "2" to set "tens" position and button "3" to set "units" position.
- 1.3 Then press and hold down any of the 3 buttons until the numeric digital display stops flashing to confirm the setting.



### Set Output Channel Quantity

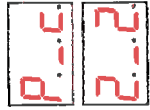


- 1.1. Press and hold down both button "2" and button "3" until the digital display flashes with "cH", release the buttons.
- 1.2. Click button "1" to choose 1 or 2, which means total 1 channel, 2 channels output. Then press and hold down any of the 3 buttons until digital display stops flashing to confirm the setting. Factory default setting is 2 channels output.

### NOTE:

For example, when we set address to 001  
When select 1ch, all two channels will be the same address 001.  
When select 2ch, channel one will be address 001, channel two will be 002.

### Set Output PWM Frequency



- 1.1 Press and hold down both button "1" and button "3" until digital display flashes with "P\_c", release the buttons.
- 1.2 "p" means PWM frequency, 2 PWM frequencies are available, click button "1" to choose "1" or "2", "1" stands for 1500Hz and "2" stands for 200Hz.
- 1.3 "c" means dimming options, 2 options are available, click button "3" to choose "1" or "2", "1" stands for logarithmic dimming and "2" stands for linear dimming.
- 1.4 Press and hold down any of the 3 buttons until digital display stops flashing to confirm setting. Factory default setting is 1-2 which means 1500Hz PWM frequency with linear dimming.

### Wiring Diagram

