

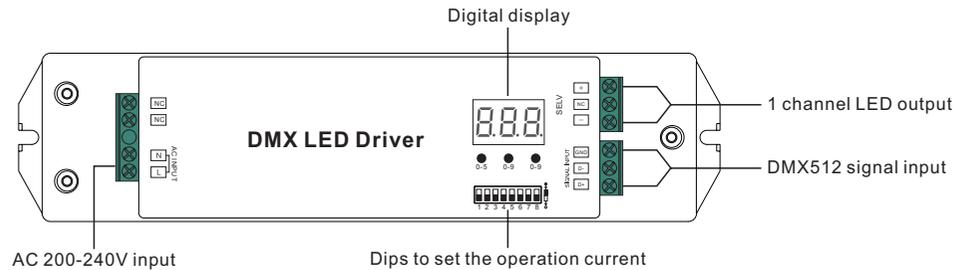
50W DMX512 LED Driver(Constant Current)

09.21650W.04304



Important: Read All Instructions Prior to Installation

Function introduction



Product Data

| | | | | | | | | | |
|-------------|--------------------------|--|-------|--------|--------|--------|--------|--------|--------|
| Output | 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 max. | | | | | | | |
| Input | Voltage Range | 200-240V AC | | | | | | | |
| | Frequency | 50/60Hz | | | | | | | |
| | Power Factor (Typ.) | > 0.9 | | | | | | | |
| | Efficiency (Typ.) | 87% @ 230VAC | | | | | | | |
| | Input Current (Typ.) | 0.27A @ 230VAC | | | | | | | |
| | Inrush Current (Typ.) | COLD START Max. 2A at 230VAC | | | | | | | |
| Protection | Short Circuit | Yes, auto recovery after fault removed | | | | | | | |
| | Over Voltage | Yes, auto recovery after fault removed | | | | | | | |
| | Over Temperature | Yes, auto recovery after fault removed | | | | | | | |
| Environment | Working Temp. | -20°C ~ +45°C | | | | | | | |
| | Max. Case Temp. | 85°C | | | | | | | |
| | Working Humidity | 10% ~ 95% RH non-condensing | | | | | | | |
| | Storage Temp. & Humidity | -40°C ~ +80°C, 10% ~ 95% RH | | | | | | | |

| | | |
|------------|-------------------|--|
| Safety&EMC | Safety Standards | ENEC EN61347-1, EN61347-2-13 approved |
| | Withstand Voltage | I/P-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 |
| Others | 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

| Current | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---------|---|---|---|---|---|---|---|---|
| 250mA | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 300mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 350mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 400mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 450mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 500mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 600mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 700mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

| Current | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---------|---|---|---|---|---|---|---|---|
| 800mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 900mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 1000mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 1100mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 1200mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 1300mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 1400mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 1500mA | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

- Dimmable LED driver
- Max. output power 50W
- 1 channel 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
- 5 years warranty

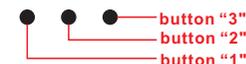
Safety & Warnings

- 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 "1"** 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.

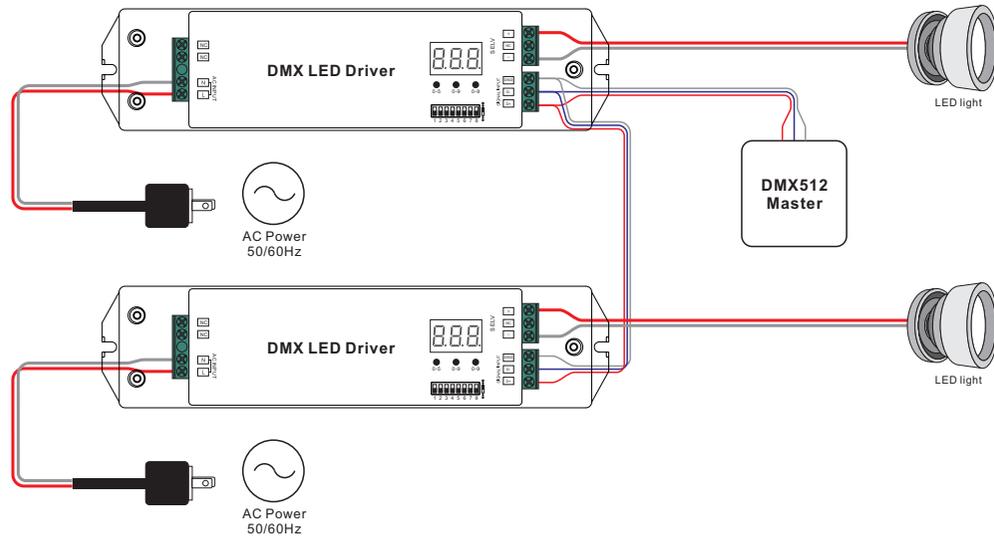
Set Output PWM Frequency

P . . c

2 . . 2

- 2.1 Press and hold down both **button “1”** and **button “3”** until digital display flashes with **“P_c”**, release the buttons.
- 2.2 **“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.
- 2.3 **“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.
- 2.4 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



Product Dimension

