Parameters

Electrical Parameters:	
Input power	DC10-30V
Voltage for LED driver	DC10-30V
Power consumption without load	<2W
Output channel	3 channels
Max Current of each channel	650mA
Environmental Conditions:	
Working temperature	-5℃~45℃
Working relative humidity	Up to 90%
Storage temperature	-20℃~+60℃
Storage relative humidity	Up to 93%
Approved:	
CE	
RoHS	
Product Information:	
Dimensions	96mm×58.5mm×22.5mm
Net weight	150g
Housing material	Aluminum
Installation	Wall mount
IP Protection	IP20

Important Notes

- DMX cable – shielded twisted cable, less than 200m.
- Installation – Wall mount
- Does not support common cathode RGB LED strip
- Ensure the DMX address is correct before using

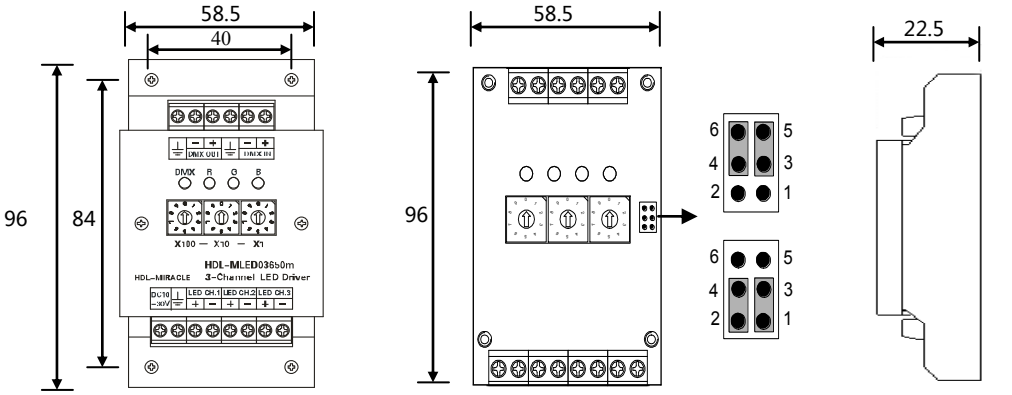
Overview

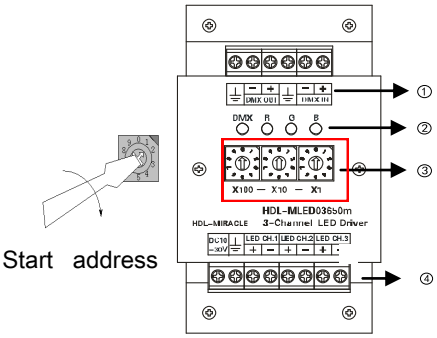
HDL-MLED03650mA is the 3 channels LED driver with DMX512 interface. Constant voltage with PWM output for dimming, RGB LED strip for changing color.

Functions

- 3 outputs for common anode RGB LED strip and single LED
- Power Input: DC10-30V
- Control Signal: DMX512
- Constant voltage with PWM output
- Built-in DMX512 buffer function

Dimensions and Wiring





① DMX terminal

DMX IN has three terminals, data+, data– and com (⏚)

DMX OUT has three terminals, data+, data– and com (⏚)

② LED indicator DMX,R,G,B

DMX indicator for CPU/DMX , this indicator will flash per 2 seconds if no DMX signal, this indicator will flash faster if this LED driver receives DMX signal.

R indicator for CH.1, this indicator will turn ON if control level on CH.1 is more than 0%

G indicator for CH.2, this indicator will turn ON if control level on CH.2 is more than 0%

B indicator for CH.3, this indicator will turn ON if control level on CH.3 is more than 0%

③ DMX start address setting switch and special functions

There are X100, X10, X1 for DMX address, X100 is the highest, X10 is the middle, X1 is the lowest. For example: X100 is 2, X10 is 7, X1 is 6, so the address is 276 (100*2+10*7+6), and the valid address is 1-512.

Special feature setting: It is used for output testing and output result. The setting and output status is following:

Address 513 output CH.3

Address 514 output CH.2

Address 515 output CH.1

Address 516 output CH.1, CH.2, CH.3

Address 517 take turns output CH.1, CH.2, CH.3

④ Terminal for Input power and LED output

Power input:10-30VDC

LED output: Supports common Anode RGB LED strip and separately LEDs

Safety attention

WARNING

- The screw down strength should not exceed 0.1Nm.
- Never let liquids get into the module, it will damage this device.
- Avoid contact with liquids and corrosive gases.

Package contents

- Device *1/ datasheet*1