PX805

DMX512/RDM Constant Current Decoder

Features

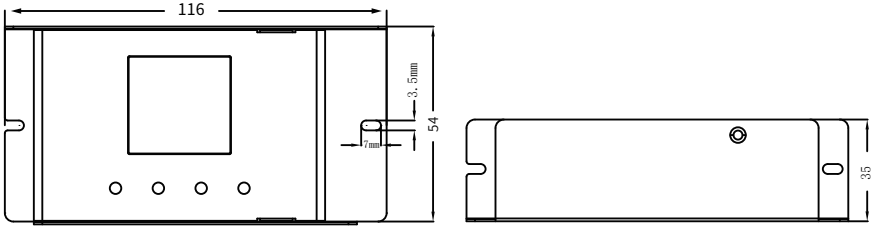
- Meet DMX512/1990, RDM/2009 international standard protocol
- 5 output channels, output current 150 to 900 mA per channel, 16 gears adjustable, 50mA per gear change
- Can easily set DMX address by button
- Can easily set output current each channel
- With the light color selected mechanism, and be able to control the light with 1~5 colors
- 8 Bit /16 Bit level brightness, full-color control
- For customer setup and use easily, the default address code is 1
- Address setting become brightness setting when DMX signal isn't connected
- Suitable for buildings, hotels, KTV, home and other places



Technical Parameter

Channels	5 channels
Input Voltage	12-50V DC
Standby power	<0.5W
No load power	<1W
Output Voltage	6-42V DC
Output Current	150-900mA per channel (Factory Defaults:150mA)
Output Current Tolerance	≤300mA ±7%, >300mA ±5%
Output Power	37.5W*5CH MAX187.5W
Protection	Short-circuit protect,Overcurrent protect
Safety standards	UL 8750 / CSA C22 .2#250 .13:2022
Dimension	116(L)×54(W)×35(H) mm
N.G.	235g
Operation Temperature	-20 - 50 ℃
Lifetime	50,000h
Warranty	5 years

Product Size

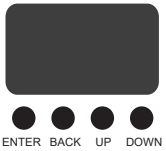


Interface Description



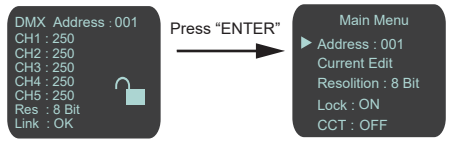
(1) Power input interface
(2) DMX/RDM Signal input and output
(3) OLED Screen
(4) Output interface

OLED Screen Description



Button Name	Function
Enter	Enter Button (focus on the option menu pointed by the cursor and enter the state of this option menu.
BACK	Back Button, return to the previous menu exit the state of this option
Up	Move the cursor up, change the state of the option
Down	Move the cursor down, change the state of the option

The product restores the default initial page which shows the current parameter information and working status when power on again. Please press “ENTER” to homepage. If there is no operation in 1 minute， the OLED screen will restore the initial page.

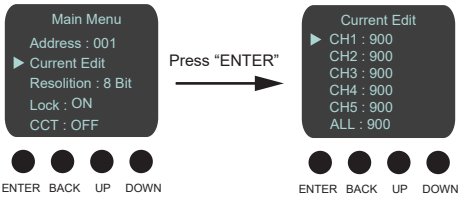




DMX Adress setting

Press “up” or “down” key to set DMX Address

Address : 1-511 adjustable



Current Edit

CH1 : 150-900m A adjustable

CH2 : 150-900m A adjustable

CH3 : 150-900m A adjustable

CH4 : 150-900m A adjustable

CH5 : 150-900m A adjustable

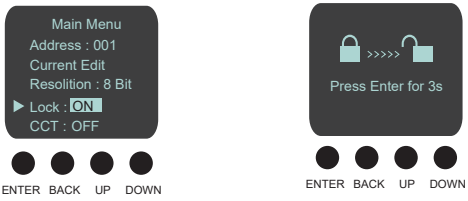
ALL : 150-900m A adjustable



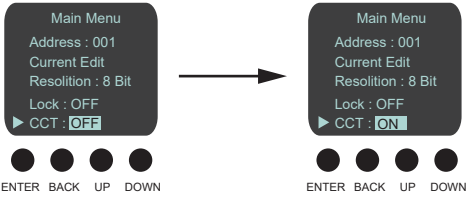
Resolution setting

Press “up” or “down” key to set resolution

Resolution : 8Bit
16Bit



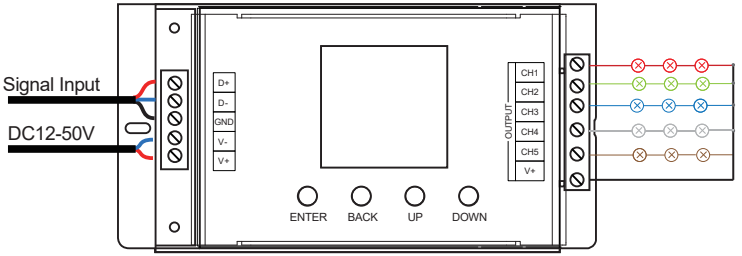
Lock : ON
Screen will be locked if unmaned operation
for 1 min , press “Enter” key for 3s to unlock



Turn on the color temperature mode in channels 4 and 5

Channel 4 regulates brightness and
channel 5 regulates tunable white

Wiring Diagram



Installation Notes

1.This controller is a buck type, not a boost type.The input voltage is supplied by a constant voltage power supply with appropriate power. The output voltage of the constant voltage power supply should be in the range of 12 - 50V, such as 12V, 24V, 36V and 48V. At the same time, the voltage of this constant voltage power supply should be at least 6V higher than the service voltage of the lamp connected to the controller's output terminal. If the service voltage of the lamp is 9V, then the constant voltage power supply should be 24V, 36V or 48V, such as 36V, the constant voltage power supply should be 48V.

2. Do not overload

3. Installed in a ventilated and dry environment , should ensure that all wiring is correct before electricity

4. Before commissioning of the power

5. If failure, do not secretly maintenance, please contact the supplie