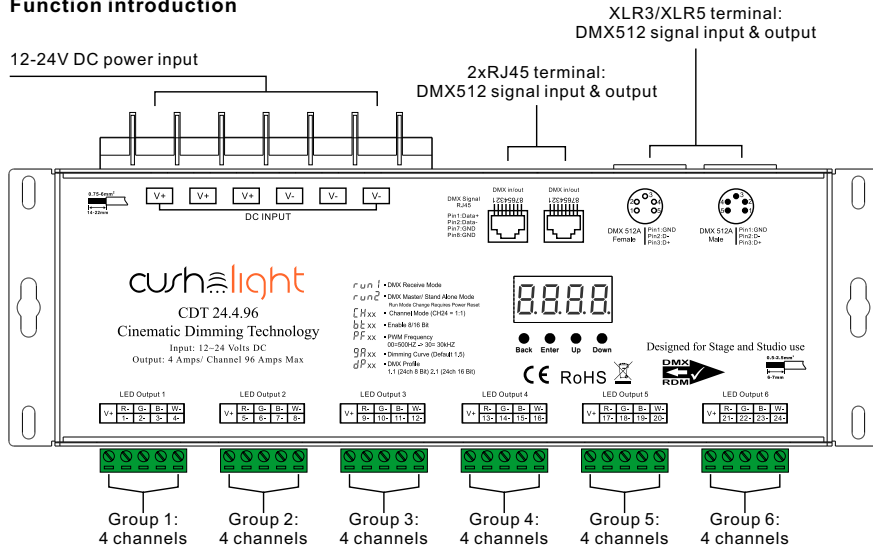


Ultra-Pro 24CH RDM DMX512 Decoder



Important: Read All Instructions Prior to Installation

Function introduction



Product Data

Input Voltage	Output Current	Output Power	Remarks	Size(LxWxH)
12-24VDC	24x4A	24x(48-96)W	Constant voltage	264.5X83X42mm

- Master & decoder mode, RDM function
- Metal housing, digital display to show data directly, easily to set and show DMX address.
- With multiple kinds of DMX in/out ports: RJ 45, XLR , pluggable terminal blocks.
- Total 12 PWM output channels, common anode. DMX channel quantity 1CH or 24CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 30K HZ settable.
- Output dimming curve gamma value from 0.1 ~ 9.9 settable.
- Decoding mode settable.
- Galvanic isolation

Safety & Warnings

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

Operation

Before you do other settings, please set the device to be Master or Decoder mode.

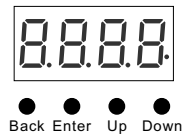
run1 = DMX Decoder mode, **run2** = DMX Master mode(stand alone).

Keep on clicking Down button, to get run1 or run2, then click Enter, then click Down button to choose 1 or 2, then click Back button.

After choose run1 or run2, please power off and power on again the device.

I. For run2 DMX Master mode: After power on the device, if keep on clicking Up button, you will find below menu on display:

8.8.8.8 Means brightness for each output PWM channel. First 01 means PWM output channel 1 and it is selectable from 01 to 24 by clicking "UP" or "Down" button. Second 01 means brightness level, click "Enter" button, the display flashes, then click "UP" or "Down" button to select from 00-99-FL, which means 0%-99%-100% brightness, then click "Back" button to confirm.



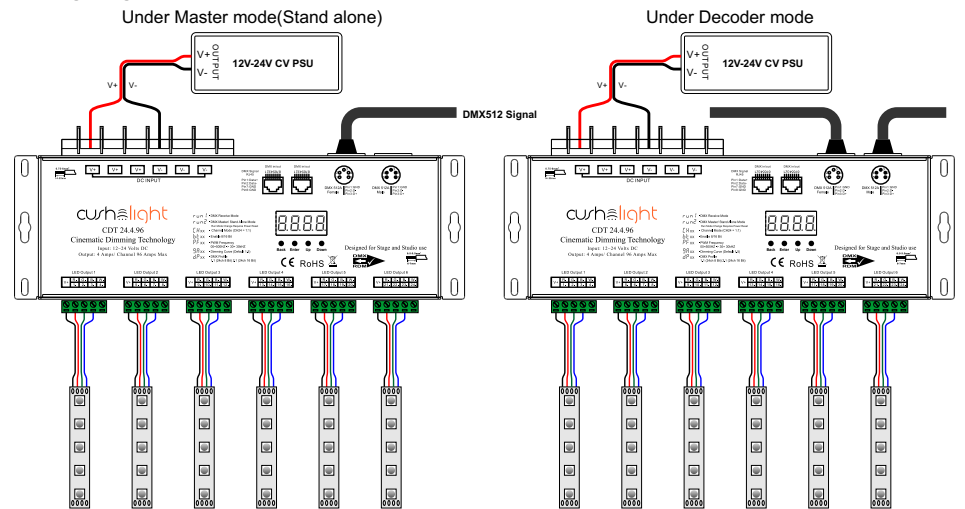
- 8.8.8.8** means chasing effects, total 4 effects selectable from 01-04. Click "Up" or "Down" button to select the menu, then click "Enter" button to enter into the effect, then click "Up" or "Down" button to select from 01-04.
- CA01: Fade-up (0%-100%) and fade-down (100%-0%) of output 1, then output 2, output 3,, output 24, output 1,, cycling chasing
- CA02: Fade-up (0%-100%) of output 1, then simultaneous fade-down (100%-0%) of output 1 and fade-up (0%-100%) of output 2, simultaneous down of output 2 and up of output 3,, simultaneous down of output 23 and up of output 24, simultaneous down of output 24 and up of output 1,, cycling chasing
- CA03: Fade-up (0%-100%) of output 1, then output 2, output 3,, output 24, output 1,, cycling chasing
- CA04: Fade-down (100%-0%) of output 1, then output 2, output 3,, output 24, output 1,, cycling chasing
- 8.8.8.8** means chasing speed, it is selectable from 01-09, 01 is the slowest, 09 is the fastest.

II. For run1 DMX decoder mode: After power on the decoder, if keep on clicking Up button, you will find below menu on display:

- 8.XXX** DMX signal indicator : When DMX signal input is detected, the indicator on the display following after **8** turns on red
- 8.XXX** Means DMX address. factory defaults setting is 001.
- 88XX** Means DMX channels quantity. factory defaults setting is Ch24
- 88XX** Means Bit (8bit or 16bit). factory defaults setting is 16bit
- 88XX** Means output PWM frequency. factory defaults setting is 1K HZ
- 88XX** Means output dimming curve gamma value, factory defaults setting is ga 1.5
- 88XX** Means Decoding mode, factory defaults setting is dp1.1
- run1** Means the device at run1 mode (DMX decoder mode).

By holding button Back + Enter together at the same time over 5 seconds until the display go off, it will restore default settings .

Wiring diagram



1. DMX address setting:

select menu **8.XXX** , click button "Enter", display flashes, then click or hold button "Up" / "Down" to set DMX address (click is slow, hold is fast.), then click button "Back" to confirm.

2. DMX channel quantity setting:

Select menu **88XX** , click button "Enter", display flashes, then click button "Up" / "Down" to set DMX channel quantity , then click button "Back" to confirm.
For example the DMX address is already set as 001.
CH01=1 DMX address for all the output channels, which are all address 001.
CH24=24 DMX addresses, output 1-24 is address 001-024 respectively.

