

DMX-X04

Features

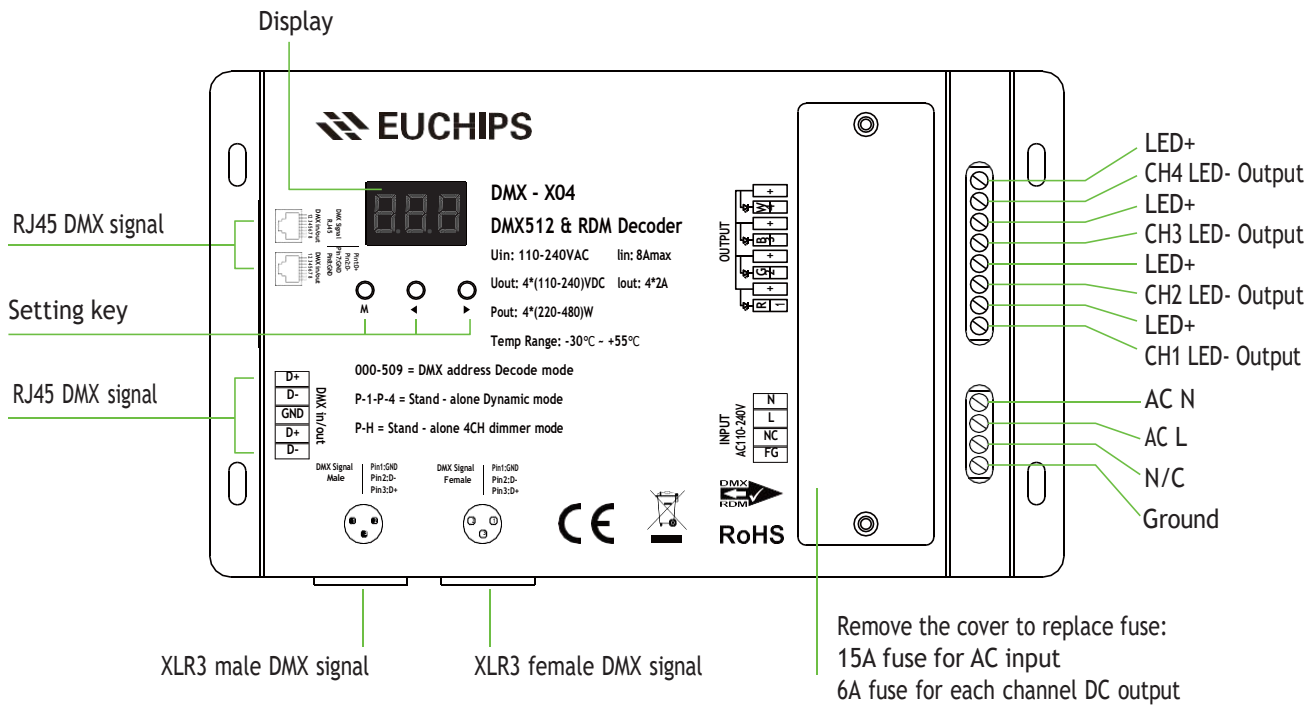
- Comply with the DMX512 standard protocols.
- Digital numeric display, set DMX decode start address by buttons.
- RDM function can realize intercommunication between DMX master and decoder.
For example, DMX decoder address can be set by DMX master console.
- 1/2/4 DMX channel output selectable.
- PWM frequency: 1000Hz / 2000Hz / 4000Hz / 8000Hz selectable.
- Logarithmic or linear dimming curve selectable.
- Standalone dynamic mode and 4-channel dimmer mode selectable,
which can be controlled by buttons with built-in programs, instead of DMX signals.
- Green terminal, XLR3 and RJ45 port DMX signal input.



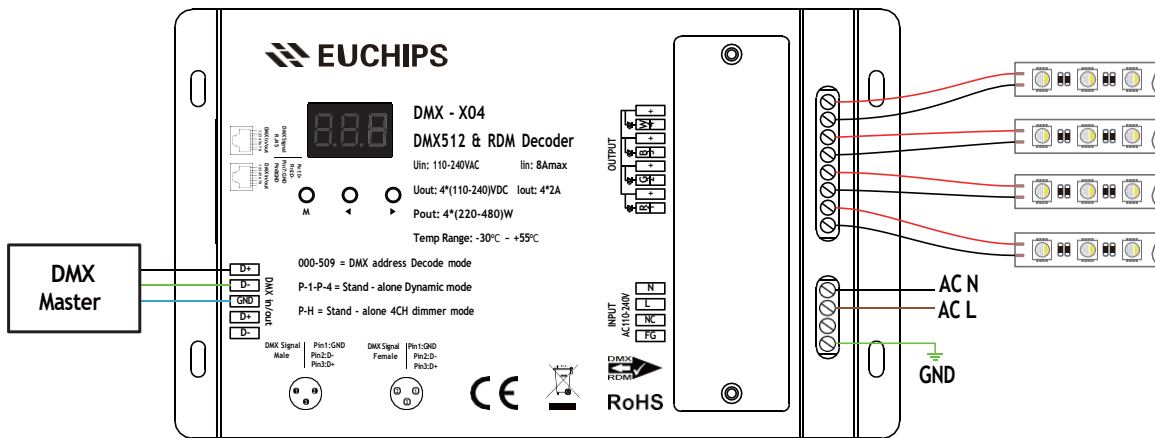
Technical Parameters:

Model No.	DMX-X04	
Input	Voltage	110-240VAC
	Current	8A
Output	Voltage	4 x 110/240VDC
	Current	4CH, 2A/CH
	Power	4 x 220-480W
Safety and EMC	EMC standard	ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-17 V3.2.4
	Safety standard (LVD)	EN 62368-1:2020+A11:2020
	Certification	CE, EMC, LVD
Environment	Operation temperature	-30 °C ~ +55 °C
	Case temperature (Max)	Tc:+85 °C
	IP rating: IP20	IP20
Warranty and Protection	Warranty	5 years
	Protection	Overload

Mechanical Structures

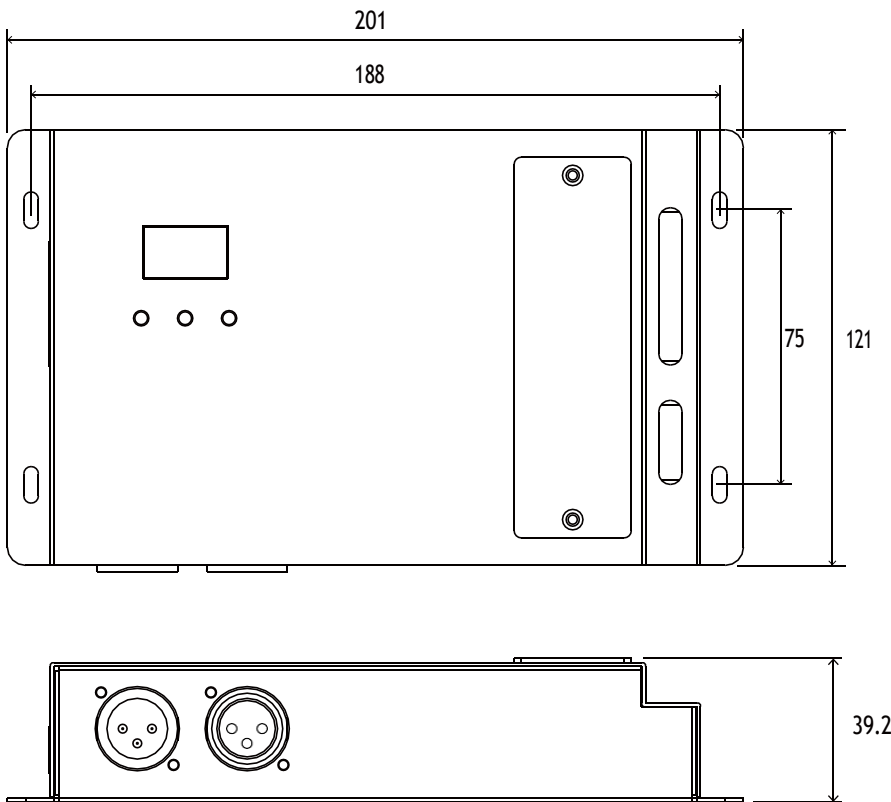


Wiring Diagram:



Caution: This controller is for high voltage LED strips. Please carefully ensure all wire connections and polarities are correct and secure before applying power; otherwise, the controller or high voltage LED strip will be damaged.

Dimension(mm)



Operation

System parameter setting

- Long press M and "<" key at the same time for 2s, prepare for setup system parameters: decode mode, output PWM frequency, output brightness curve, default output level, automatic blank screen. Short press M key to switch the item.
- Decode mode: short press "<" or ">" key to switch 1/2/4 channel decode mode ("d1", "d2", or "d4").
When set as 1 channel decoder, the decoder occupies only 1 DMX address, and four channels output the same brightness of this DMX address.
- Output PWM frequency: short press "<" or ">" key to switch 1000Hz ("F10"), 2000Hz ("F20"), 4000Hz ("F40"), or 8000Hz ("F80").
(Higher PWM frequency will cause lower heat output current but is more suitable for cameras (No flickers for video)).
- Output brightness curve: short press "<" or ">" key to switch linear curve ("C1") or logarithmic curve ("C.E").
- Default output level: press "<" or ">" key to change default 0-100% level ("d00" to "dFF") when no DMX input signal.
- Automatic blank screen: short press "<" or ">" key to switch enable ("bON") or disable ("bOF") automatic blank screen.
- Long press M key for 2s or timeout 10s, quit system parameter setting.

DMX mode

- Short press M key, when displaying 001-509, enter DMX mode.
- Press "<" or ">" key to change DMX decoder start address (001-512), long press for fast adjustment.
- If there is no DMX signal input, the device will enter DMX mode automatically.
- DMX Dimming: Each S4DX DMX decoder occupies 4 DMX addresses.
When connecting the DMX console, for example, the default start address is 1, their corresponding relationship is:



DMX Mode
(001-509)

DMX Console	DMX Decoder Output
CH1 0255	CH1 PWM 0-100% (LED R)
CH2 0255	CH2 PWM 0-100% (LED G)
CH3 0255	CH3 PWM 0-100% (LED B)
CH4 0255	CH4 PWM 0-100% (LED W)

Stand-alone dynamic mode

- Enter stand-alone dynamic mode only when DMX signal is disconnected or lost.
- Short press M key, when displaying P1-P4, enter stand-alone dynamic mode.
- Press "<" or ">" key to change the dynamic mode number (P1-P4).

Each mode can adjust speed and brightness.

Long press M key for 2s, prepare for setup of speed or brightness.

Short press M key to switch between the two items.

Press "<" or ">" key to set the value of each item.

- Mode speed: 1-10 levels (S1, S9, SF)
- Mode brightness: 1-10 levels (b1, b9, bF)

Long press M key for 2s, or timeout 10s, to quit setting.



Stand-alone dynamic mode
(P-1 - P-4)



Speed
(8 level)



Brightness
(10 level, 100%)

Dynamic mode list

No.	Name
P1	4ch single light on/off in sequence
P2	4ch single light chase in sequence
P3	4ch light fade in and fade out synchronously
P4	4ch light fade in and fade out in sequence

Stand-alone dimmer mode

- Enter stand-alone dimmer mode only when DMX signal is disconnected or lost.
 - Short press M key, when displaying PH, enter stand-alone dimmer mode.
 - The dimmer mode can adjust each channel's brightness independently.
- Long press M key for 2s, prepare for setup of four-channel brightness.
- Short press M key to switch between four channels (100-1FF, 200-2FF, 300-3FF, 400-4FF).
- Press "<" or ">" key to set the brightness value of each channel.
- Long press M key for 2s, or timeout 10s, quit setting.

Dimming curve setting

- Linear dimming curve
- Logarithmic dimming curve

Dimming Curve setting

