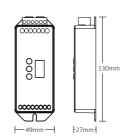


Constant Voltage DMX512 & RDM Decoder

Model No.: D1-CX / D2-CX / D3-CX / D4-CX / D5-CX

Features

- 1. Accord with DMX512 standard protocol.
- 2. Digital Display, Set DMX initial address through button.
- 3. Support RDM function.
- 4. 2000hz/500hz Output PWM frequency is optional.
- 5. Logarithm/Linear dimming curve is optional.
- 6. Anti-reverse protection function
- 7. Short circuit&Overcurrent protection and recover function.



Parameter

Model No.	D1-CX	D2-CX	D3-CX	D4-CX	D5-CX		
Output (A/Channel)	20A	10A	6A	5A	4A		
Total Output	Max 20A		Max 18A	Max 20A			
Input Voltage	DC12~24V						
Input Signal	DMX512, RDM						
Connection	Common anode						
Working Temp.	-20~60°C						

Function Settings

1. Digital Display status description

Self-locking: Get into locking state when there is no operation over 30 seconds, digital display with low light or OFF.

Unlock: Long press M button 2 seconds to make digital display with high light, quit self-locking state.

Address always ON: DMX signal valid.

Address flickering: DMX signal invaild.

Err: Short circuit/overcurrent protection; self-recover after 10 seconds.

2. DMX initial address setting

Under unlock status, when digital display show 001-512(for example 3.8.3), Short press \blacktriangle button or

lacktriangledown buttom, you can change the DMX initial address; Long press, you can change it quickly.

For Example: Set Initial address to 100

D1-CX	D2-CX	D3-CX	D4-CX	D5-CX
Occupy 1 address	Occupy 2 address	Occupy 3 address	Occupy 4 address	Occupy 5 address
100	100-101	100-102	100-103	100-104

3. System Parameter Setting Instruction

Under unlock status: Long press **M** button 3 seconds to make digital display show **B B** or **B B B** or **B B B** or **B** then get into system parameter setting. By this time, short press **M** button to switch 4 different parameter setting circularly.

Parameter 1: PWM frequency setting(show 8.8.8. or 8.8.8.), short press ▲ button or ▼ button to switch.

Set to PWM high frequency output, 2000Hz. (Factory default parameter)

Set to PWM low frequency output, 500Hz.

Parameter 2: Dimming Curve setting(show 8.8.8 or 8.8.8), short press ▲ button or ▼ button to switch.

© 8.8. Dimming curve is logarithm dimming. (Factory default parameter)

Parameter 3: Dimming smoothness setting(show 8.8.8 or 8.8.8), short press ▲ button or ▼ button to switch

8.8.8 Smooth dimming. (Factory defaut setting)
8.8.8 Standard dimming.

Parameter 4: Digital display showing setting(show 3.8.8) or 3.8.8), short press ▲ button or ▼ button to switch.

Under self-locking status, digital display always ON (low lighting showing). (Factory default parameter)

8.8.8. Under self-locking status, digital display OFF.

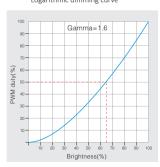
Exit system mode: long press M button 1 second to exit. Or it will be self exit if there is no operation over 8 seconds.

4. Restore factory default.

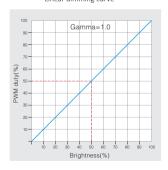
Under unlock status, long press **M** buttom 10 seconds until digital display show **8.8.5**.

Dimming curve diagram

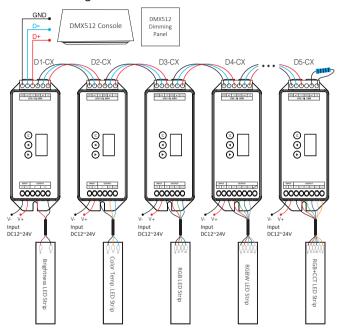
Logarithmic dimming curve



Linear dimming curve



Connection diagram



Attention:

- If the decoder is over 32 pcs, or using the super long signal cable, you need DMX signal amplifier.
 Amplify signal cannot be over 5 times.
- If there is overshoot effect due to the long signal cable or low quality circuit, please connect 0.25W 90-120 terminal resistance at the end of each DMX sigbal cable.

Attention

- This product should be debugged and installed by professionals.
- 2. Please check whether the output voltage of the power supply meets the requirements of the product voltage range.
- 3. The product is not waterproof, please install it in the waterproof box when installed outdoors.
- 4. Before switching on the power, please ensure that all wiring is correct, so as not to cause damage to the devices
- 5. If fault has occurred non-professionals do not repair it without permission, otherwise the devices will be damaged.







