



MIBOXER Constant Voltage DMX512 & RDM Decoder User Manual

[Home](#) » [MiBOXER](#) » **MIBOXER Constant Voltage DMX512 & RDM Decoder User Manual** 



Mi • Light®

Subordinate New Brand

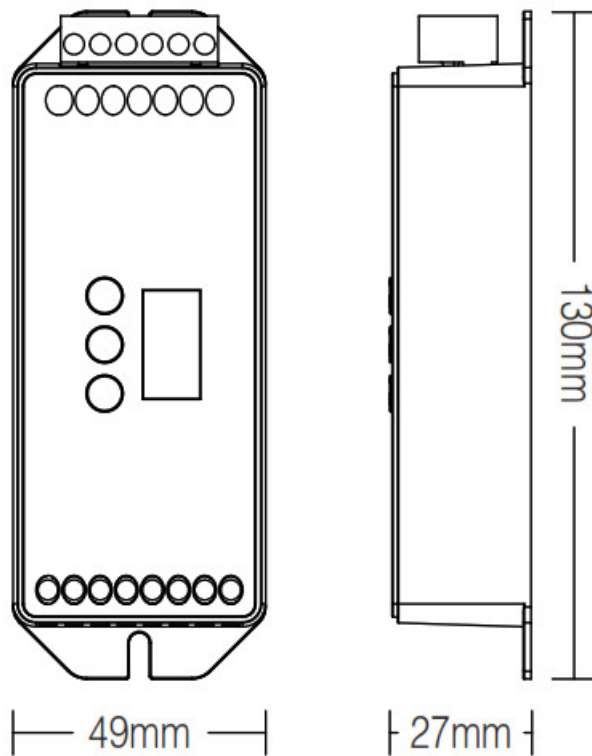
Constant Voltage DMX512 & RDM Decoder

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

Contents

- 1 Features
- 2 Parameter
- 3 Function Settings
- 4 Dimming curve diagram
- 5 Connection diagram
- 6 Attention
- 7 Documents / Resources
- 8 Related Posts

Features



1. Accord with DMX512 standard protocol.
2. Digital Display, Set DMX initial address through a 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 recovery function.
8. self-testing protection function when power on.

Parameter

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

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 a digital display with high light, quit self-locking state.

The address is always ON: DMX signal valid.

Address flickering: DMX signal invalid.

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



2. DMX initial address setting

Under unlock status, when digital display shows 001-512(for example ) , Short press ▲ button or ▼ button, you can change the DMX initial address; Long press, you can change it quickly.


For Example Set the Initial address to 100


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

3. System Parameter Setting Instruction


Under unlock status: Long press M button 3 seconds to make the digital display show  or  , 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  or  ; 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  or ), short press ▲ button or ▼ button to switch.

 Dimming curve is logarithm dimming. (Factory default parameter)


 Dimming curve is linear dimming.


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

 Smooth dimming. (Factory default setting)

 Standard dimming.

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

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

 Under self-locking status, digital display OFF.

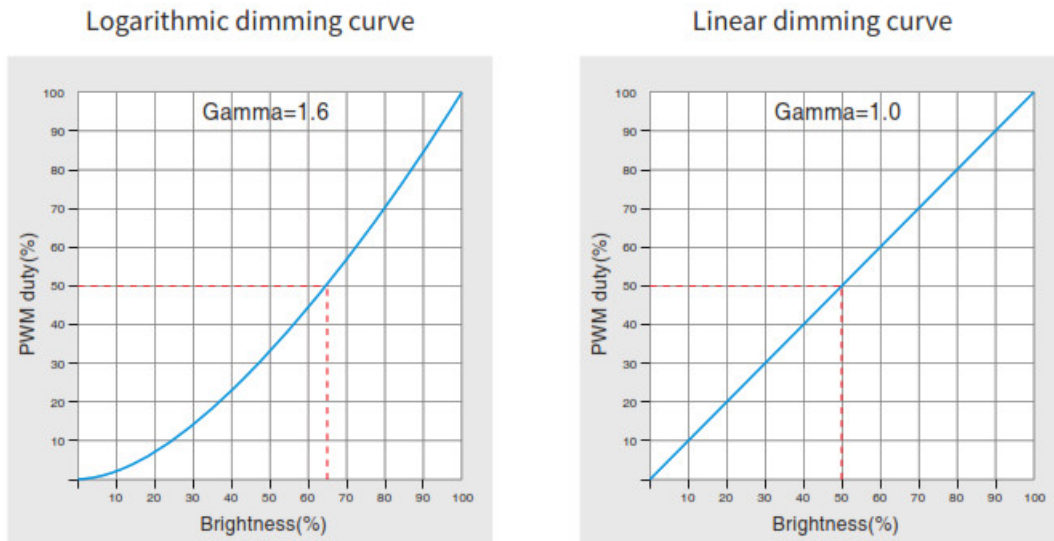
Exit system mode: long press M button 1 second to exit. Or it will be self exit if there is no operation over 8 seconds.

4. Restore factory default.

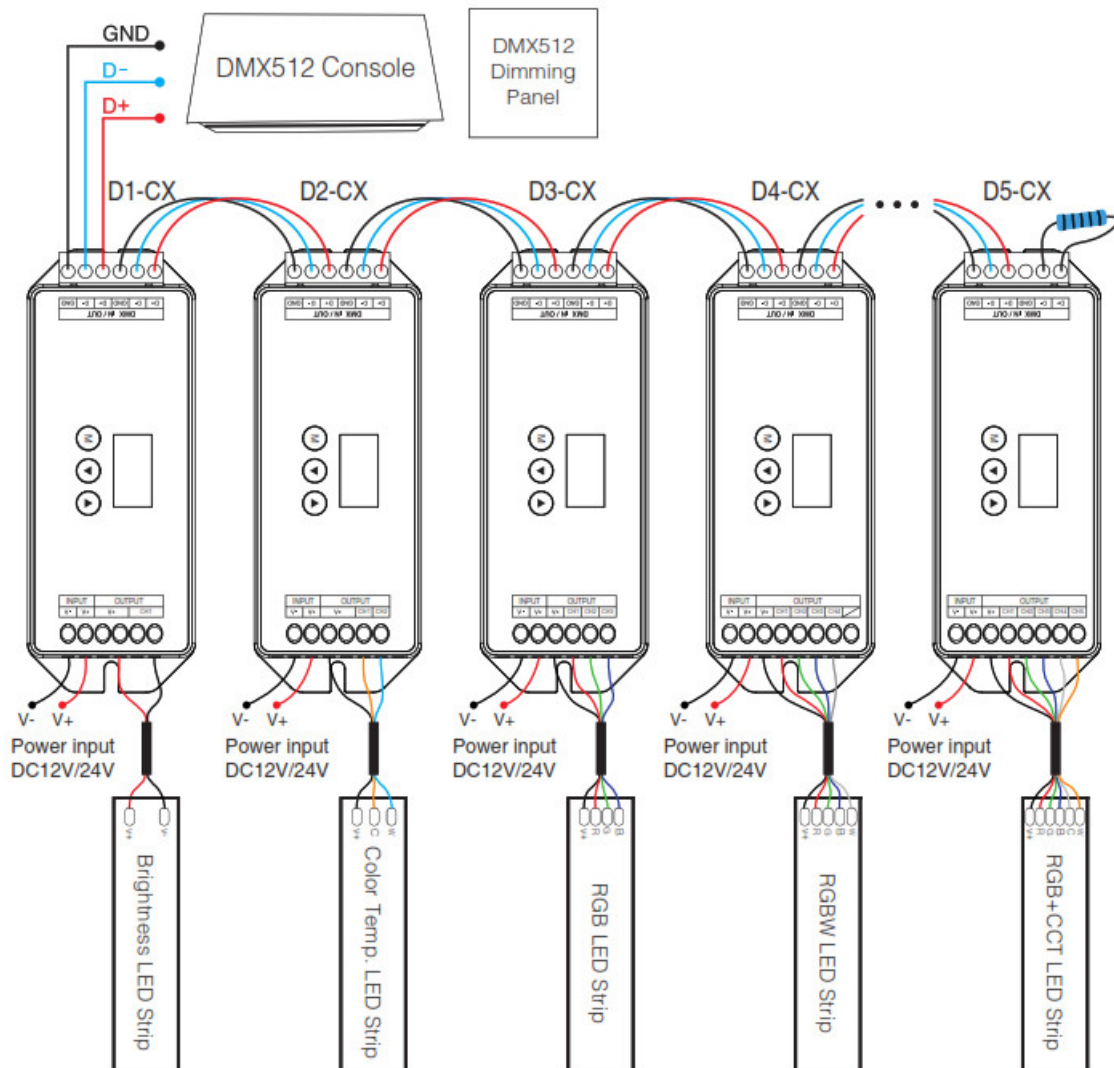
8.8.5.

Under unlock status, long press M button 10 seconds until digital display shows

Dimming curve diagram



Connection diagram



Attention:

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

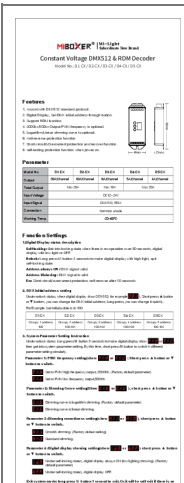
Attention

1. 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 a fault has occurred, non-professionals do not repair it without permission, otherwise, the devices will be damaged.



Made in China

Documents / Resources



The thumbnail shows the first page of the user manual. It includes the product name 'MIBOXER Constant Voltage DMX512 & RDM Decoder', a list of features, a table of specifications, and a table of contents.

Model	Power	DMX512	RDM
D1-CX	10W	Yes	Yes
D2-CX	20W	Yes	Yes
D3-CX	30W	Yes	Yes
D4-CX	40W	Yes	Yes
D5-CX	50W	Yes	Yes

[MIBOXER Constant Voltage DMX512 & RDM Decoder \[pdf\] User Manual](#)
D1-CX, D2-CX, D3-CX, D4-CX, D5-CX, Constant Voltage DMX512 RDM Decoder