

# Multi-function DMX512 Master

CE ROHS

## Key Function

### Light type and other parameter setting

- Long press M and ◀ key for 2s, prepare for setup system parameter: light type, automatic blank screen. short press M key to switch two item.
- Light type: short press ◀ or ▶ key to switch eighteen kinds light type:  
1 zone dimmer("1-1"), 4 zone dimmer("1-4"), 8 zone dimmer("1-8"),  
1 zone color temperature("2-1"), 4 zone color temperature("2-4"), 8 zone color temperature("2-8"),  
1 zone RGB("3-1"), 4 zone RGB("3-4"), 8 zone RGB("3-8"), multi-pixel RGB("3-F"),  
1 zone RGB+W("4-1"), 4 zone RGB+W("4-4"), 8 zone RGB+W("4-8"), multi-pixel RGB+W("4-F"),  
1 zone RGB+CCT("5-1"), 4 zone RGB+CCT("5-4"), 8 zone RGB+CCT("5-8"),  
multi-pixel RGB+CCT("5-F").
- 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.

### 1 Zone Dimmer

- One channel output, realize synchronous dimming.
- Short press M key to switch coarse dimming and fine dimming.
- Coarse dimming: short press ◀ or ▶ key to adjust 10 levels brightness(b-1, b-9, b-F).
- Fine dimming: short press ◀ or ▶ key to adjust 256 levels brightness(b01~bFF).

### 4/8 Zone Dimmer

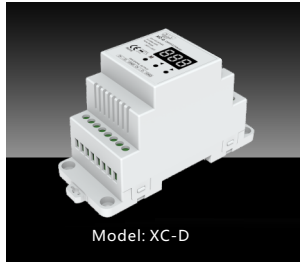
- 4/8 channel output, realize 4/8 channel individual dimming.
- Short press M key, switch static adjustable mode(P-H) and four dynamic mode(P-1~P-4).
- When run static adjustable mode, can adjust 4/8 channel brightness respectively.  
Short press M key switch 4/8 channel dimming(100~1FF, 200~2FF, ..., 800~8FF),  
press ◀ or ▶ key adjust each channel brightness.
- When run four dynamic mode, can adjust each mode speed and brightness.  
Short press M key to switch speed and brightness item.  
Press ◀ or ▶ key adjust dynamic mode speed or brightness.  
Mode speed: 1-10 level speed(S-1, S-9, S-F).  
Mode brightness: 1-10 level brightness(b-1, b-9, b-F).

### 4/8 Zone dimmer dynamic mode list

No.	Name
P-1	4/8ch light on and off in sequence
P-2	4/8ch single light on in sequence
P-3	4/8ch light fadein and fadeout synchronously
P-4	4/8ch light fadein and fadeout in sequence

### 1/4/8 Zone Dual color temperature controller

- 2/8/16 channel output, realize 1/4/8 zone dual color(WW and NW) dimming.
- For 1 zone type, short press M key to switch color temperature or brightness adjustment.
- Press ◀ or ▶ key to setup value of each item.
- Color temperature: 2700-6500K, display 270~650, short press 11 levels, long press 256 levels.
- Brightness: 1-10 level brightness(b-1, b-9, b-F).
- For 4/8 zone type, short press M key to change zone, display -x-, x is zone number.  
long press M key enter brightness adjustment.



Model: XC-D

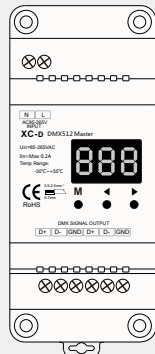
## Technical parameter

- Input voltage: 85-265VAC
- Output signal: DMX512
- Output channel number for different light type:  
1/4/8 Zone Dimmer: 1/4/8  
1/4/8 Zone Dual color: 2/8/16  
1/4/8 Zone RGB: 3/12/24  
1/4/8 Zone RGB+W: 4/16/32  
1/4/8 Zone RGB+CCT: 5/20/40  
Multi-pixel RGB/RGB+W/RGB+CCT: 512
- Working temperature: -30°C~55°C
- Dimension: L115×W48×H67mm
- Weight: 70g

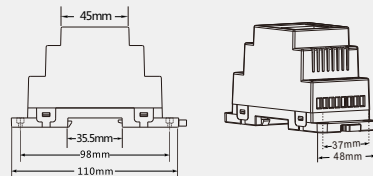
## Summary

- Din-rail DMX master, which receives RF signal from remoter, and sends international standard DMX512/1990 signal to DMX512 decoders, so that the DMX controller can be remote controlled.
- Can be set as 1/4/8 zone single color, dual color, RGB, RGB+W, RGB+CCT light type by key, and match the same type 1/4/8 zone remoter optional.
- Digital numeric display, simple to change mode, speed, brightness, color temperature.
- Can connect more than one constant voltage or constant current DMX decoder, or direct control LED lamps with DMX decode chip.
- Adopt 2.4GHz wireless technology, can accept up to 8 remoter control.
- For RGB or Multi-pixel RGB type, built in 30 or 32 change mode, adjustable speed and brightness.

## Interface Instruction



## Dimension



### 1/4/8 Zone RGB/RGB+W/RGB+CCT Controller

- 3/12/24 channel output for 1/4/8 zone RGB,  
4/16/32 channel output for 1/4/8 zone RGB+W,  
5/20/40 channel output for 1/4/8 zone RGB+CCT.
- Short press M key, switch static adjustable mode(P-H) and 30 change mode(P01~P30).
- When run static adjustable mode, can adjust 3/4/5 channel brightness respectively.  
Short press M key switch 3/4/5 channel dimming(100~1FF, 200~2FF, 300~3FF, 400~4FF, 500~5FF),  
press ◀ or ▶ key adjust each channel brightness.
- When run 30 change mode, can adjust each mode speed and brightness.  
Short press M key to switch speed and brightness item.  
Press ◀ or ▶ key adjust each mode speed or brightness. (P01~P30) (8 level) (10 level,100%)  
Mode speed: 1-10 level speed(S-1, S-9, S-F).  
Mode brightness: 1-10 level brightness(b-1, b-9, b-F).
- For 4/8 zone type, short press M key to change zone, display -x-, x is zone number.  
long press M key enter speed or brightness adjustment.



### RGB Change mode list

No.	Name	No.	Name	No.	Name
1	Static red	11	Green strobe	21	Red yellow smooth
2	Static green	12	Blue strobe	22	Green cyan smooth
3	Static blue	13	White strobe	23	Blue purple smooth
4	Static yellow	14	RGB strobe	24	Blue white smooth
5	Static cyan	15	7 color strobe	25	RGB+W smooth
6	Static purple	16	Red fade in and out	26	RGBW smooth
7	Static white	17	Green fade in and out	27	RGBY smooth
8	RGB jump	18	Blue fade in and out	28	Yellow cyan purple smooth
9	7 color jump	19	White fade in and out	29	RGB smooth
10	Red strobe	20	RGBW fade in and out	30	6 color smooth

### Multi-pixel RGB/RGB+W/RGB+CCT Controller

- 512 channel output, realize multi-pixel RGB color move change effect,
- Short press M key, switch static adjustable mode(P-H) and 32 change mode(P01~P32).
- When run static adjustable mode, can adjust 3/4/5 channel brightness respectively.  
Short press M key switch 3/4/5 channel dimming(100~1FF, 200~2FF, 300~3FF, 400~4FF, 500~5FF),  
press ◀ or ▶ key adjust each channel brightness.
- When run 32 change mode, can adjust each mode speed and brightness.  
Short press M key to switch speed and brightness item.  
Press ◀ or ▶ key adjust each mode speed or brightness.  
Mode speed: 1-10 level speed(S-1, S-9, S-F).  
Mode brightness: 1-10 level brightness(b-1, b-9, b-F).

### Multi-pixel RGB Change mode list

No.	Name	No.	Name	No.	Name
1	Red horse race white ground	12	Blue White chase	23	Purple float
2	Green horse race white ground	13	Green Cyan chase	24	RGBW float
3	Blue horse race white ground	14	RGB chase	25	Red Yellow float
4	Yellow horse race blue ground	15	7 color chase	26	Green Cyan float
5	Cyan horse race blue ground	16	Blue meteor	27	Blue Purple float
6	Purple horse race blue ground	17	Purple meteor	28	Blue White float
7	7 color multi horse race	18	White meteor	29	6 color float
8	7 color horse race close + open	19	7 color meteor	30	6 color smooth sectionally
9	7 color multi horse race close + open	20	Red float	31	7 color jump sectionally
10	7 color scan close + open	21	Green float	32	7 color strobe sectionally
11	7 color multi-scan close + open	22	Blue float		

### Match RF Remoter

- Match: Long press M and ▶ key for 2s, display RLS,  
within 5s, press any key of the remoter, display RLO, match is done,  
then use remoter to change mode number, adjust speed and brightness.
- Delete: Long press M and ▶ key for 5s, until display RLE, delete all matched remoters.

### Restore factory default parameter

- Long press ◀ and ▶ key for 2s, restore factory default parameter, display\*RES\*.
- Factory default parameter: multi-pixel RGB type, disable automatic blank screen.

### Light type channel address table

Light type	Single color	Dual color	RGB	RGB+W	RGB+CCT
1 Zone	W:1	WW,NW: 1,2	R, G, B: 1,2,3	R, G, B, W: 1,2,3,4	R, G, B, WW, NW: 1,2,3,4,5
4 Zone	Zone W	Zone WW NW	Zone R G B	Zone R G B W	Zone R G B WW NW
	1 1	1 1 2	1 1 2 3	1 1 2 3 4	1 1 2 3 4 5
	2 2	2 3 4	2 4 5 6	2 5 6 7 8	2 6 7 8 9 10
8 Zone	Zone W	Zone WW NW	Zone R G B	Zone R G B W	Zone R G B WW NW
	1 1	1 1 2	1 1 2 3	1 1 2 3 4	1 1 2 3 4 5
	2 2	2 3 4	2 4 5 6	2 5 6 7 8	2 6 7 8 9 10
Multi-Pixel	Pixel	R G B	Pixel R G B W	Pixel R G B WW NW	
	1	1 2 3	1 1 2 3 4	1 1 2 3 4 5	
	2	2 3 4 5 6	2 5 6 7 8	2 6 7 8 9 10	
...	3 7 8 9	3 9 10 11 12	3 11 12 13 14 15	...	
170	508 509 510	128 509 510 511 512	102 506 507 508 509 510	...	