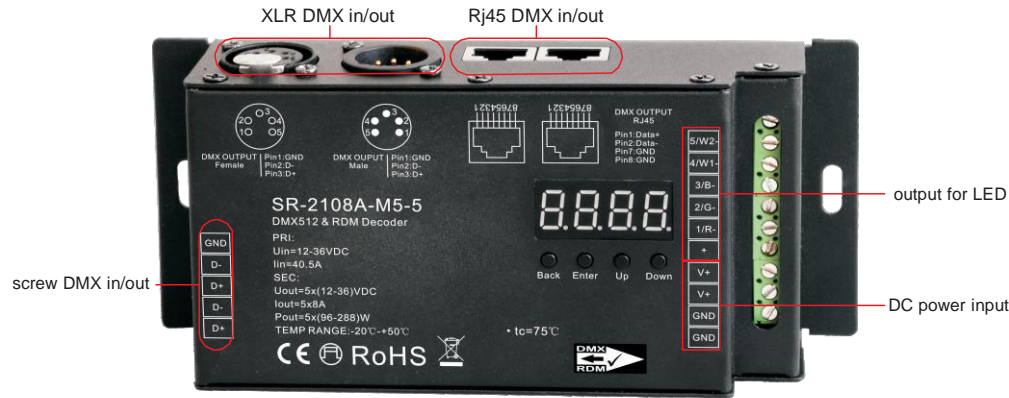


# Ultra-Pro 5CH RDM DMX512 Decoder

LK93

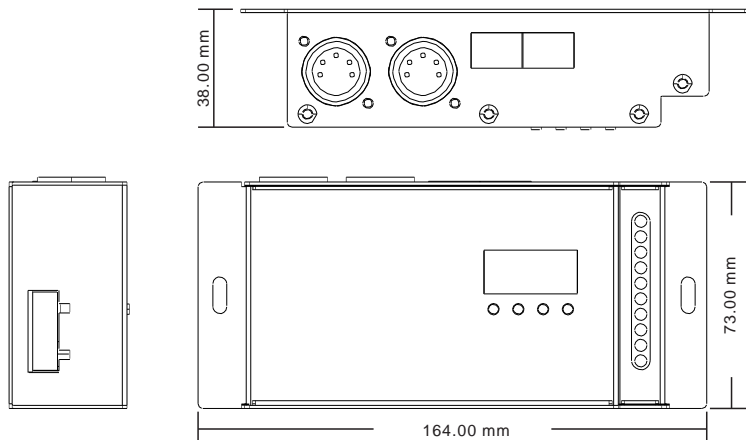


- DMX512 RDM decoder, RDM function can realize intercommunication between DMX master and decoder. for example, you can set DMX decoder's address by DMX master console.
- Metal housing, digital display to show data directly, easily to set and show DMX address.
- With multiple kinds of DMX in/out ports: RJ 45, XLR , normal screws.
- Total 5 PWM output channels, common anode. DMX channel quantity from 1CH-5CH settable
- PWM output resolution ratio 8bit , 16bit settable. Output
- PWM frequency from 500HZ ~ 9K HZ settable. Output
- dimming curve gamma value from 0.1 ~ 9.9 settable.
- Decoding mode settable.

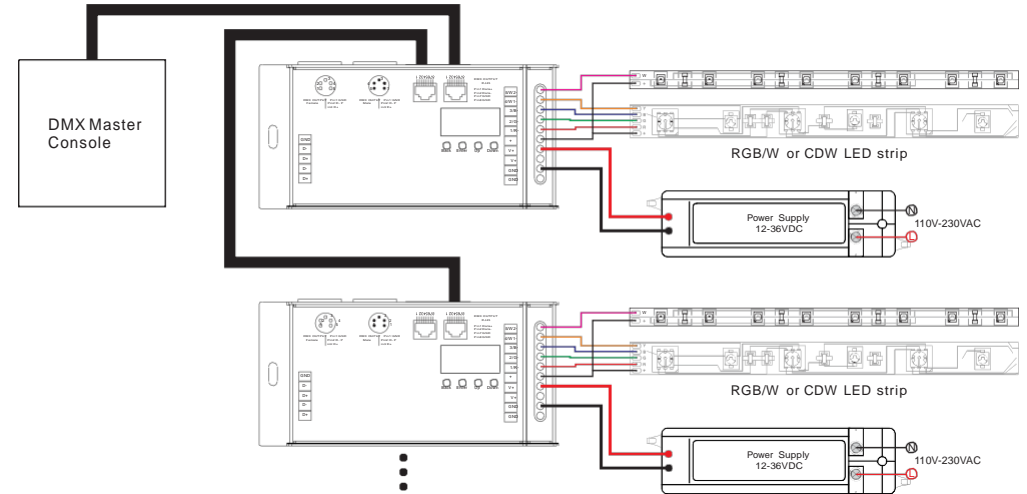
## Parameter

Part No.	Input Voltage	Output Current	Output Power	Remarks
SR-2108A-M5-5	12-36VDC	5x8A	5x(96-288)W	constant voltage

## Product Size



## Wiring diagram



## Operation



● ● ● ●  
Back Enter Up Down

### Button introduction

Up, Down button is for menu selection. After power on the decoder, if keep on clicking Up button, you will find below menu on display:

**8.XXX** Means DMX address. factory defaults setting is 001.

**8.8.XX** Means DMX channels quantity. factory defaults setting is Ch05

**8.8.XX** Means Bit (8bit or 16bit). factory defaults setting is 16bit

**8.8.XX** Means output PWM frequency. factory defaults setting is 1K HZ

**8.8.XX** Means output dimming curve gamma value, factory defaults setting is ga 1.5

**8.8.XX** Means Decoding mode, factory defaults setting is dp1.1

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

### 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 **8.8.XX** , 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 001.

CH01=1 DMX address for all the output channels, which are all address 001.

CH02=2 DMX addresses , output 1&3 is address 001 , output 2,4&5 is address 002

CH03=3 DMX addresses, output 1, 2 is address 001,002, output 3,4&5 is address 003

CH04=4 DMX addresses, output 1,2,3 is address 001,002,003, output 4&5 is address 004

CH05=5 DMX addresses, output 1,2,3,4,5 is address 001,002,003,004,005.

### 3. PWM output resolution Bit setting:

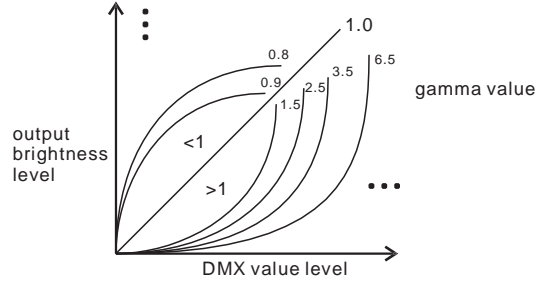
select menu **8.8.XX** , click button "Enter", display flashes, then click button "Up" / "Down" to choose 08 or 16 bit, then click button "Back" to confirm.

#### 4. output PWM frequency setting:

select menu **88.XX**, click button "Enter", display flashes, then click button "Up" / "Down" to choose 00~09, then click button "Back" to confirm. 00=500HZ, 01=1kHz, 02=2kHz.....09=9kHz.

#### 5. output dimming curve gamma value setting:

select menu **88.XX**, click button "Enter", display flashes, then click or hold button "Up" / "Down" to choose 0.1~9.9, then click button "Back" to confirm.



#### 6. DMX decoding mode setting:

select menu **88.XX**, click button "Enter", display flashes, then click or hold button "Up" / "Down" to choose the decoding mode, then click button "Back" to confirm.

##### DMX address is 001, Ch01

DMX Console Slider number	dp1.1	dp2.1
1	for all output dimming	for all output dimming
2	No use	for all output micro dimming

##### DMX address is 001, Ch02

DMX Console Slider number	dp1.1	dp2.1	dp3.2
1	for output 1&3 dimming	for output 1&3 dimming	for output 1&3 dimming
2	for output 2,4 &5 dimming	for output 1&3 micro dimming	for output 2,4 &5 dimming
3		for output 2,4 &5 dimming	for all output dimming
4		for output 2,4&5 micro dimming	

##### DMX address is 001, Ch03

DMX Console Slider number	dp1.1	dp2.1	dp4.3	dp5.3
1	for output 1 dimming	for output 1 dimming	for output 1 dimming	for output 1 dimming
2	for output 2 dimming	for output 1 micro dimming	for output 2 dimming	for output 2 dimming
3	for output 3,4 &5 dimming	for output 2 dimming	for output 3,4&5 dimming	for output 3,4&5 dimming
4		for output 2 micro dimming	for all output master dimming	for all output master dimming
5		for output 3,4 &5 dimming	for all output dimming	strobe effects
6		for output 3,4&5 micro dimming		

##### DMX address is 001, Ch04

DMX Console Slider number	dp1.1	dp2.1	dp5.4	dp6.4
1	for output 1 dimming	for output 1 dimming	for output 1 dimming	for output 1 dimming
2	for output 2 dimming	for output 1 micro dimming	for output 2 dimming	for output 2 dimming
3	for output 3 dimming	for output 2 dimming	for output 3 dimming	for output 3 dimming
4	for output 4&5 dimming	for output 2 micro dimming	for output 4&5 dimming	for output 4&5 dimming
5		for output 3 dimming	for all output master dimming	for all output master dimming
6		for output 3 micro dimming		strobe effects
7		for output 4 &5 dimming		
8		for output 4&5 micro dimming		

##### DMX address is 001, Ch05

DMX Console Slider number	dp1.1	dp2.1	dp6.5	dp7.5
1	for output 1 dimming	for output 1 dimming	for output 1 dimming	for output 1 dimming
2	for output 2 dimming	for output 1 micro dimming	for output 2 dimming	for output 2 dimming
3	for output 3 dimming	for output 2 dimming	for output 3 dimming	for output 3 dimming
4	for output 4 dimming	for output 2 micro dimming	for output 4 dimming	for output 4 dimming
5	for output 5 dimming	for output 3 dimming	for output 5 dimming	for output 5 dimming
6		for output 3 micro dimming	for all output master dimming	for all output master dimming
7		for output 4 dimming		strobe effects
8		for output 4 micro dimming		
9		for output 5 dimming		
10		for output 5 micro dimming		