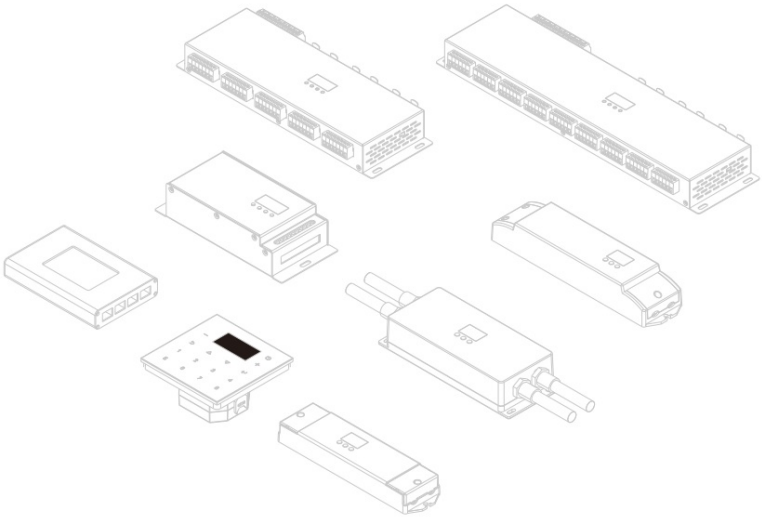
SUNRICHER DMX512 RDM Control Expert Instruction Manual

SUNRICHER
DMX512 & RDM
Control Expert



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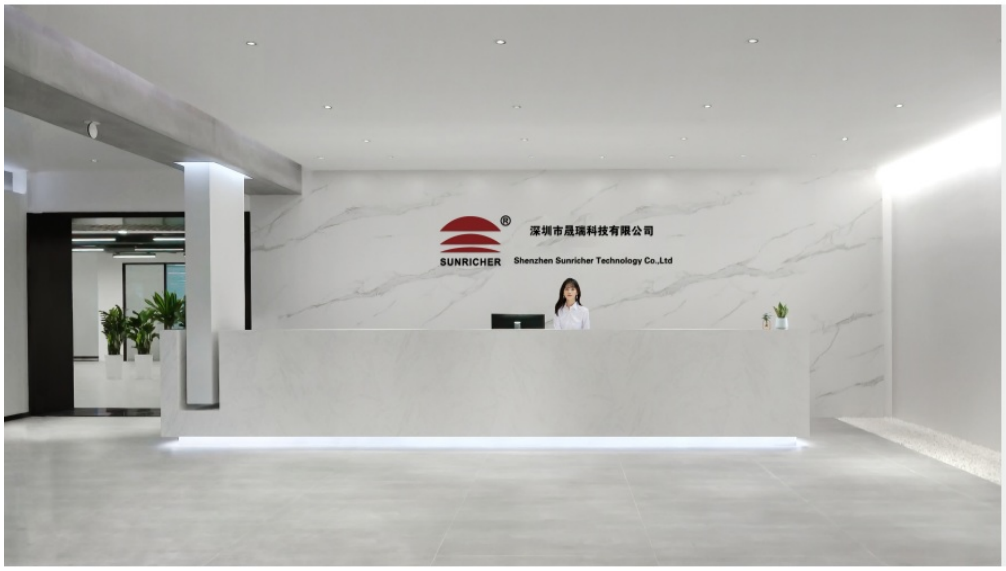
About SUNRICHER

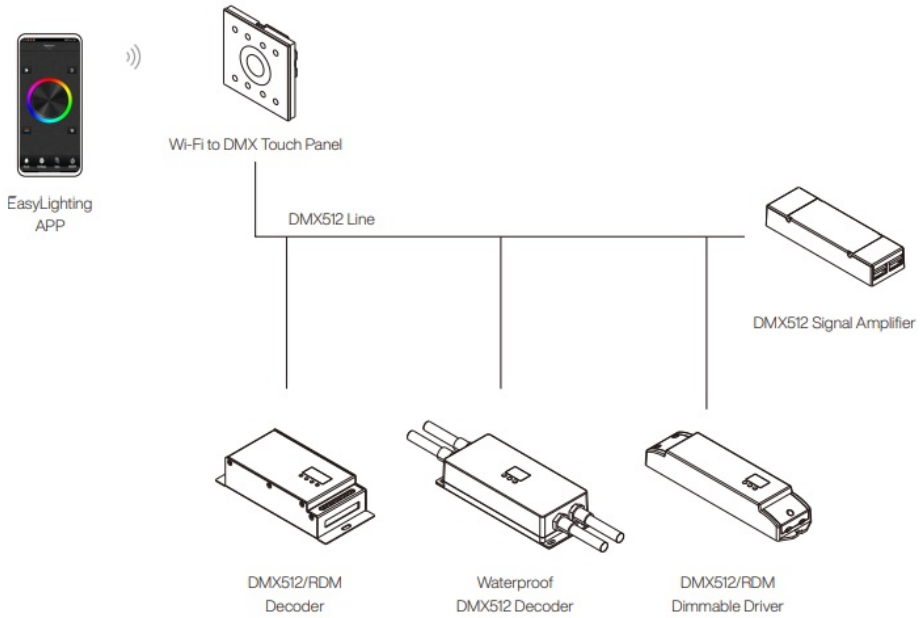


Shenzhen Sunricher Technology Limited is specialized in the wired and wireless lighting control systems for over 18 years, our products are widely used for the commercial lighting, industrial lighting and smart home with innovative design and high quality.
Sunricher has always been the first ODM/OEM choice of many global leading brands. With our rich experience and expertise in lighting control systems and IoT technologies, such as DALI, DMX 512, KNX, Zigbee, Z-Wave, Bluetooth, Wi-Fi, RF and etc, and we are the Alliance member of DALI, KNX, Zigbee, Z-Wave, and Bluetooth Alliances.
We have designed and manufactured various high quality product types for our global clients. We always take good care of our clients with:

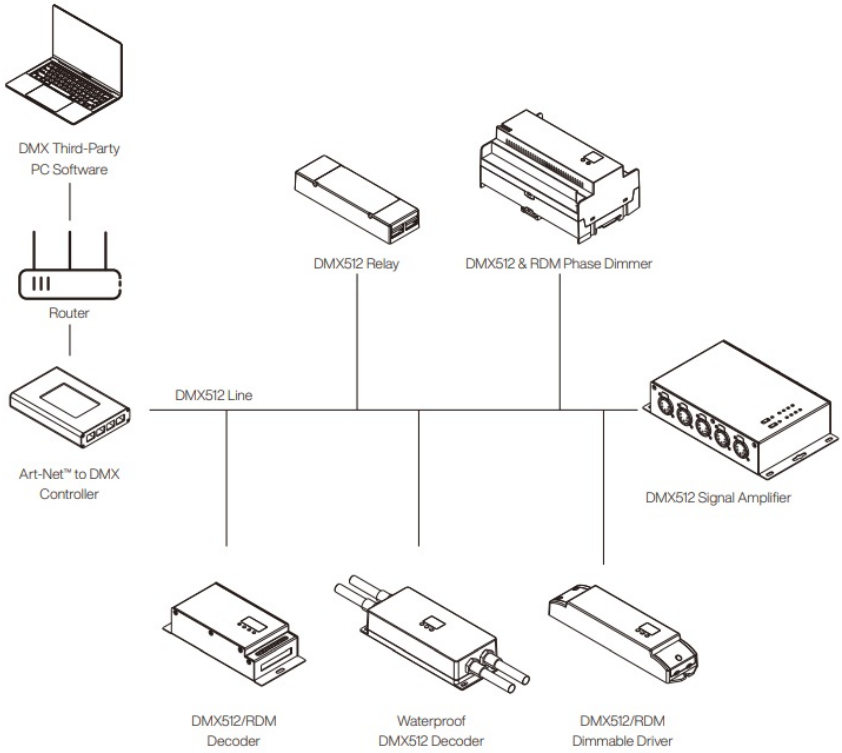
- Well experienced and powerful R&D team.
- High efficient production and strict quality control.
- Good after-sales service.
- Global high end certification such as UL, TUV CE, FCC, SAA, PSE, CCC etc.
- Patented design and functionality.
- DALI-2, KNX, Zigbee3.0, Z-Wave Plus, Bluetooth BQB certification.

System Overview

Small project solution



Medium and large project solutions



Constant Voltage DMX512 Decoder

- Standard DMX512 compliant control interface.
- Supports RDM function.
- DMX address manually settable.
- Output dimming curve gamma value from 0.1 ~ 9.9 settable.
- To work with power repeater to expand output power unlimitedly.
- Constant voltage output.

4 Channels RDM Enabled DMX512 Decoder

- DMX channel quantity from 1CH~4CH settable.
- Output PWM frequency 2KHz

Product Code	100602060001
Model	SR-2102B
Input Voltage	12-36Vdc
Output Current	5A*4CH
Output Power	240-720W
Product Size	178x46x22mm

4 Channels RDM Enabled DMX512 Decoder

- DMX channel quantity from 1CH~4CH settable.
- Output PWM frequency 2KHz
- Flip type, screwless

Product Code	100602330001
Model	SR-2102P
Input Voltage	12-36Vdc
Output Current	5A*4CH
Output Power	240-720W
Product Size	166×53.4x23mm

4 Channels RDM Enabled DMX512 Decoder

- DMX channel quantity from 1CH~4CH settable.
- Output PWM frequency 2KHz
- Din rail installation, screwless

Product Code	100602170001
Model	SR-2102DIN
Input Voltage	12-36Vdc
Output Current	5A*4CH
Output Power	240-720W
Product Size	110x53x65mm

4 Channels RDM Enabled DMX512 Decoder

- DMX channel quantity from 1CH~4CH settable.
- Output PWM frequency 2KHz

Product Code	100602130001
Model	SR-2102BEA
Input Voltage	12-36Vdc
Output Current	8A*4CH
Output Power	384-1152W
Product Size	170x59x29mm

4 Channels RDM Enabled DMX512 Decoder

- DMX channel quantity from 1CH~4CH settable.
- Output PWM frequency from 200HZ ~ 35K HZ settable.
- RJ45 terminal, easy and quick connect for DMX512 signal

Product Code	100603220001
Model	SR-2108EAS-RJ45
Input Voltage	12-36Vdc
Output Current	8A*4CH
Output Power	384-1152W
Product Size	165x60x32mm

4 Channels RDM Enabled DMX512 Decoder

- DMX channel quantity from 1CH~4CH settable.
- Output PWM frequency from 200HZ ~ 35K HZ settable.
- IP67

Product Code	100603260001
Model	SR-2108AS(WP)
Input Voltage	12-36Vdc
Output Current	5A*4CH
Output Power	240-720W
Product Size	180.5×73.6x38mm

5 Channels RDM Enabled DMX512 Decoder

- DMX channel quantity from 1CH~5CH settable.
- Output PWM frequency from 200HZ ~ 35K HZ settable.
- IP67

Product Code	100603610001
Model	SR-2108AS(WP)-5C
Input Voltage	12-36Vdc
Output Current	3A*5CH
Output Power	180-940W
Product Size	180.5×73.6x38mm

4 Channels RDM Enabled DMX512 Decoder

- DMX decoder & Master mode.
- DMX channel quantity from 1CH~4CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 35K HZ settable.

Product Code	100602770001
Model	SR-2108FB-DIN
Input Voltage	12-36Vdc
Output Current	5A*4CH
Output Power	240-720W
Product Size	110x53x65mm

4 Channels RDM Enabled DMX512 Decoder

- DMX decoder & Master mode.
- DMX channel quantity from 1CH~4CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 35K HZ settable.
- RJ45 terminal, easy and quick connect for DMX512 signal

Product Code	100603290001
Model	SR-2108FB-RJ45-DIN
Input Voltage	12-36Vdc
Output Current	5A*4CH
Output Power	240-720W
Product Size	110x53x65mm

4 Channels RDM Enabled DMX512 Decoder

- DMX decoder & Master mode.

- DMX channel quantity from 1CH~4CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 35K HZ settable.
- Flip type, screwless

Product Code	100602690001
Model	SR-2108FB-4CH
Input Voltage	12-36Vdc
Output Current	5A*4CH
Output Power	240-720W
Product Size	170×53.4x28mm

4 Channels RDM Enabled DMX512 Decoder

- DMX decoder & Master mode.
- DMX channel quantity from 1CH~4CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 35K HZ settable.
- RJ45 terminal, easy and quick connect for DMX512 signal

Product Code	100603080001
Model	SR-2108FB-RJ45
Input Voltage	12-36Vdc
Output Current	5A*4CH
Output Power	240-720W
Product Size	170×53.4x28mm

5 Channels RDM Enabled DMX512 Decoder

- DMX decoder & Master mode.
- DMX channel quantity from 1CH~5CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 35K HZ settable.

Product Code	1.00603E+11
Model	SR-2108EB-5CH
Input Voltage	12-36Vdc
Output Current	5A*5CH
Output Power	300-900W
Product Size	170x59x29mm

5 Channels RDM Enabled DMX512 Decoder

- DMX decoder & Master mode.

- DMX channel quantity from 1CH~5CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 35K HZ settable.
- With multiple kinds of DMX in/out ports: RJ 45, XLR 3/5 , normal screws.

Product Code	100602930001	100602940001
Model	SR-2108B-M5-3	SR-2108B-M5-5
Input Voltage	12-24Vdc	12-24Vdc
Output Current	8A*5CH	8A*5CH
Output Power	480-960W	480-960W
Product Size	164x73x38mm	164x73x38mm

6 Channels RDM Enabled DMX512 Decoder

- DMX decoder & Master mode.
- DMX channel quantity from 1CH~6CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 35K HZ settable.
- With multiple kinds of DMX in/out ports: RJ 45, XLR 3/5 , normal screws.

Product Code	100603320001	100603280001
Model	SR-2108B-M6-3	SR-2108B-M6-5
Input Voltage	12-24Vdc	12-24Vdc
Output Current	6A*6CH	6A*6CH
Output Power	432-864W	432-864W
Product Size	187.7×85.3x41mm	187.7×85.3x41mm

12 Channels RDM Enabled DMX512 Decoder'

- DMX decoder & Master mode.
- DMX channel quantity 1CH, 4CH, 6CH, 12CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 35K HZ settable.
- With multiple kinds of DMX in/out ports: RJ 45, XLR 3/5 , normal screws.

Product Code	100602970001	100602980001
Model	SR-2108B-M12-3	SR-2108B-M12-3
Input Voltage	12-24Vdc	12-24Vdc
Output Current	5A*12CH	5A*12CH
Output Power	720-1440W	720-1440W
Product Size	165.5×99.7x38mmmm	165.5×99.7x38mmmm

24 Channels RDM Enabled DMX512 Decoder

- DMX decoder & Master mode.

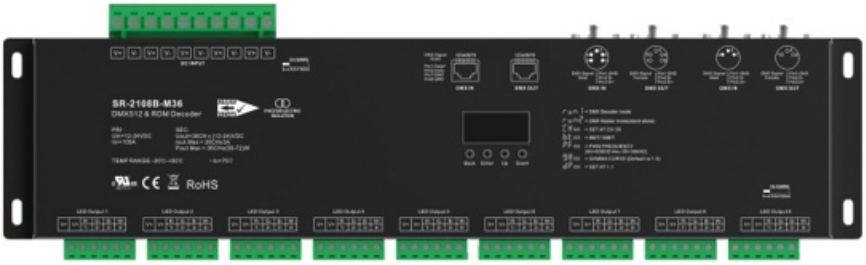
- DMX channel quantity from 1CH~24CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 35K HZ settable.

Product Code	100602990001	100603010001
Model	SR-2108B-M24-3	SR-2108B-M24-5
Input Voltage	12-24Vdc	12-24Vdc
Output Current	4A*24CH	4A*24CH
Output Power	1152-2304W	1152-2304W
Product Size	264.5X83X42mm	264.5X83X42mm

25 Channels RDM Enabled DMX512 Decoder

- DMX decoder & Master mode.
- DMX channel quantity 1CH, 2CH, 3CH, 4CH, 5CH, 25CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 35K HZ settable.
- With multiple kinds of DMX in/out ports: RJ 45, XLR 3/5 , normal screws.

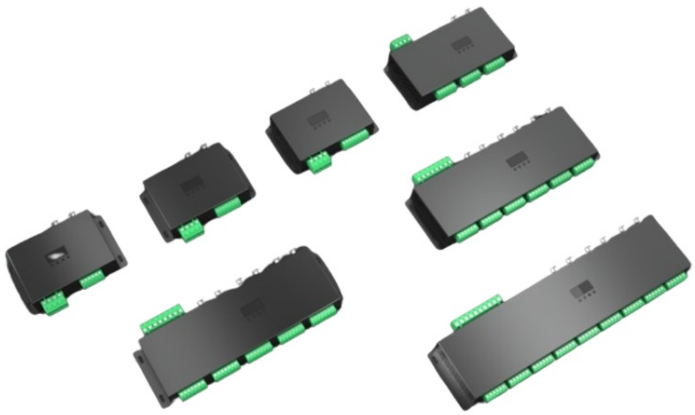
Product Code	100604980001
Model	SR-2108B-M25
Input Voltage	12-24Vdc
Output Current	4A*25CH
Output Power	1200-2400W
Product Size	293.2X92.2X36mm



36 Channels RDM Enabled DMX512 Decoder

- DMX decoder & Master mode.
- DMX channel quantity 1CH, 2CH, 3CH, 4CH, 6CH, 12CH, 24CH, 36CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 35K HZ settable.
- With multiple kinds of DMX in/out ports: RJ 45, XLR 3/5 , normal screws.

Product Code	100112770001
Model	SR-2108B-M36
Input Voltage	12-24Vdc
Output Current	3A*36CH
Output Power	1296-2592W
Product Size	393.2×92.2x37mm



Constant Current DMX512 Decoder

- Standard DMX512 compliant control interface.
- DMX address manually settable.
- Output dimming curve gamma value from 0.1 ~ 9.9 settable.
- To work with power repeater to expand output power unlimitedly.
- Constant current output.

Current Settable 4 Channels DMX512 Decoder

- DMX decoder & Master mode.
- DMX channel quantity from 1CH~4CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 2K HZ settable.
- Output current 100-700mA settable

Model	SR-2108FBC-4CH
Input Voltage	12-36Vdc
Output Current	(100-700)mA*4CH
Output Power	4.8-100.8W
Product Size	170×53.4x28mm

4 Channels DMX512 Decoder

- DMX channel quantity from 1CH~4CH settable.
- Output PWM frequency 2KHz.

Product Code	100602070001	100602080001
Model	SR-2112B	SR-2114B
Input Voltage	12-48Vdc	12-48Vdc
Output Current	350mA*4CH	700mA*4CH
Output Power	16.8-67.2W	33.6-144.4W
Product Size	178x46x22mm	178x46x22mm

4 Channels DMX512 Decoder

- DMX channel quantity from 1CH~4CH settable.
- Output PWM frequency 2KHz
- IP 67.

Product Code	100603410001	100603170001
Model	SR-2112B(WP)	SR-2114B(WP)
Input Voltage	12-48Vdc	12-48Vdc
Output Current	350mA*4CH	700mA*4CH
Output Power	16.8-67.2W	33.6-144.4W
Product Size	180.5×73.6x38mm	180.5×73.6x38mm

4 Channels DMX512 Decoder

- DMX channel quantity from 1CH~4CH settable.
- Output PWM frequency 2KHz
- Din rail installation, screwless

Product Code	100602180001	100602190001
Model	SR-2112DIN	SR-2114DIN
Input Voltage	12-48Vdc	12-48Vdc
Output Current	350mA*4CH	700mA*4CH
Output Power	16.8-67.2W	33.6-67.2W
Product Size	110x53x65mm	110x53x65mm

5 Channels RDM Enabled DMX512 Decoder

- DMX decoder & Master mode.
- DMX channel quantity from 1CH~5CH settable.
- PWM output resolution ratio 8bit , 16bit settable.
- Output PWM frequency from 500HZ ~ 2K HZ settable.

- With multiple kinds of DMX in/out ports: RJ 45, XLR 3/5 , normal screws.

Product Code	100602870001	100603430001
Model	SR-2108B-M5-5-700mA	SR-2108B-M5-5-1000mA
Input Voltage	12- Vdc48	12- Vdc48
Output Current	700mA*5CH	1000mA*5CH
Output Power	42-168W	60-240W
Product Size	164x73x38mm	164x73x38mm

High Volt LED Strip DMX/RDM Decoder

- Standard DMX512 compliant control interface
- RDM function enabled to realize intercommunication between DMX master and decoder
- With digital display to show data directly, easily to set and show DMX address
- Output PWM frequency from 200HZ ~ 35K HZ settable
- Output dimming curve gamma value from 0.1 ~ 9.9 settable

High Volt LED Strip DMX512 RDM Controller

- Safe and reliable full isolation design
- DMX channel quantity from 1CH~3CH settable.

Product Code	100602440001
Model	SR-2102HT
Input Voltage	100-240Vac
Output Voltage	100-240Vdc
Output Current	1.6A*3CH
Output Power	500-1000W
Product Size	170x59x29mm

High Volt LED Strip DMX512 RDM Controller

- Safe and reliable full isolation design
- DMX channel quantity from 1CH~4CH settable.
- IP68

Product Code	100603370001
Model	SR-2108HT(WP)
Input Voltage	100-240Vac
Output Voltage	100-240Vdc
Output Current	1.5A*4CH
Output Power	600-1440W
Product Size	180.5×73.6x38mm

DMX RDM LED Driver(Constant Current)

- Standard DMX512 compliant control interface
- With digital display to show data directly, easily to set and show DMX address.
- RDM function enabled to realize intercommunication between DMX master and decoder
- Output PWM frequency from 500HZ ~ 2K HZ settable
- Output dimming curve gamma value from 0.1 ~ 9.9 settable

50W CC DMX LED Driver

- PWM output, 250-1500mA constant current settable
- Dips to set the operation current
- High power factor and efficiency

Product Code	105600500001
Model	SRP-2108-50CC
Input Voltage	200-240Vac
Output Voltage	8-48Vdc
Output Current	250-1500mA
Output Power	50W max.
Power Factor	>0.9
Efficiency	87%
Product Size	210x50x32mm

50W CCT DMX LED Driver

- 2 channels PWM output, 250-1500mA constant current settable
- Dips to set the operation current
- High power factor and efficiency

roduct Code	105600880001
Model	SRP-2108-50CCT
Input Voltage	200-240Vac
Output Voltage	8-48Vdc
Output Current	250-1500mA
Output Power	50W max.
Power Factor	>0.9
Efficiency	87%
Product Size	210x50x32mm

55W CC DMX RGB LED Driver

- PWM output, 350mA constant current
- High power factor and efficiency

Product Code	105601000001
Model	SRP-2108AS-55RGB
Input Voltage	100-277Vac
Output Voltage	53Vdc
Output Current	0.35A*3CH
Output Power	55W max.
Power Factor	>0.95
Efficiency	87%
Product Size	210x50x32mm

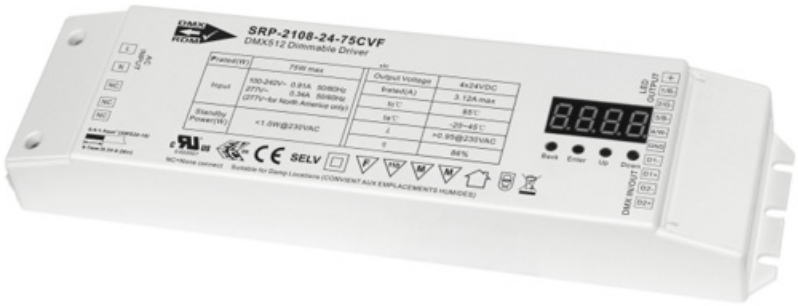
75W 4 Channels DMX LED Driver

- 4 channels constant current output, 300mA-1500mA output current optional
- Dips to set the operation current
- High power factor and efficiency

Product Code	105600570001
Model	SRP-2108-75CCF
Input Voltage	200-240Vac
Output Voltage	8-43Vdc
Output Current	250-1500mA
Output Power	75W max.
Power Factor	>0.9
Efficiency	87%
Product Size	244x64x32mm

DMX RDM LED Driver(Constant Voltage)

- Standard DMX512 compliant control interface
- With digital display to show data directly, easily to set and show DMX address.
- RDM function enabled to realize intercommunication between DMX master and decoder
- Output dimming curve gamma value from 0.1 ~ 9.9 settable



75W DMX RDM LED Driver

- 4 Channels Output . DMX channel quantity from 1CH~4CH settable
- Output PWM frequency from 500HZ ~ 30K HZ settable.
- High power factor and efficiency

Product Code	105600480001
Model	SRP-2108-24-75CVF
Input Voltage	100-277ac
Output Voltage	24Vdc
Output Current	3.12A max.
Output Power	75W max.
Power Factor	>0.93
Efficiency	86%
Product Size	244x64x32mm

100W DMX RDM LED Driver

- 4 Channels Output . DMX channel quantity from 1CH~4CH settable
- Output PWM frequency from 500HZ ~ 35K HZ settable.
- High power factor and efficiency

Product Code	105600380001
Model	SRP-2108-24-100CVF
Input Voltage	100-277ac
Output Voltage	24Vdc
Output Current	4.16A max.
Output Power	100W max.
Power Factor	>0.9
Efficiency	90%
Product Size	244x64x32mm

200W DMX RDM LED Driver

- 4 Channels Output . DMX channel quantity from 1CH~4CH settable
- Output PWM frequency from 500HZ ~ 35K HZ settable.
- High power factor and efficiency

Product Code	1.056E+11
Model	SRPC-2108-24-200CVF
Input Voltage	100-277Vac
Output Voltage	24Vdc
Output Current	Max. 4.1A/CH, total 8.4A
Output Power	200W max.
Power Factor	>0.98
Efficiency	93%
Product Size	330x79x39mm

DMX512 Phase Dimmer

- Triac dimmable and Mosfet dimmable
- Forward-phase control dimmer(TRIAC) & Reverse-phase control dimmer both available
- Supports resistive loads and capacitive loads
- To dim and switch single color dimmable LED lamps, traditional incandescent and halogen lights
- Safe and reliable full isolation design

2 Channels AC DMX512 Phase Dimmer

- Great compatibility with a variety of DMX512 controls
- Innovative minimum brightness setting function
- 2 Channels Output . DMX channel quantity from 1CH~2CH settable

Product Code	100602420001
Model	SR-2102AC
Input Voltage	100-240Vac
Output Voltage	100-240Vac
Output Current	1.2A*2CH
Output Power	240-576W
Product Size	170x59x29mm

RDM Enabled 4 Channels DMX Phase Dimmer

- RDM function enabled.
- Innovative minimum brightness setting function.

- 4 Channels Output . DMX channel quantity from 1CH~4CH settable.
- Din rail installation, easy and fast.

Product Code	1.00603E+11
Model	SR-2108AC-4CH-DIN
Input Voltage	100-240Vac
Output Voltage	100-240Vac
Output Current	18 41. A* CH
Output Power	800W*1CH, 600W*2CH, 500W*3CH, 400W*4CH
Product Size	145.4x90x66.4mm

DMX512 Relay

- DMX512 relay, The DMX512 master can only do Switch ON/OFF command to the switch decoder
- Set DMX address freely
- DMX address display
- Input Protocols:DMX512(2008), DMX512-A

DMX512 Switch

- One channel output. AC input and AC output , only one DMX512 address.

Product Code	100602540001
Model	SR-2703B
Input Voltage	100-240Vac
Output Voltage	100-240Vac
Output Current	5A*1CH
Output Power	500W max.
Product Size	170x59x29mm

DMX512 Switch

- 3 channels DC output. 3 DMX512 addresses
- DMX channel quantity from 1CH~3CH settable.

Product Code	100602550001
Model	SR-2704B
Input Voltage	12-36Vdc
Output Voltage	12-36Vdc
Output Current	8A*3CH
Output Power	288-864W
Product Size	170x59x29mm

DMX512 Master Controller

RDM Tester

- Portable and powerful RDM tester
- Simple and easy to use interface

- Max. 512 DMX channels output, RJ45 port for DMX signal transmission
- Suitable for large project testing, no complicated DMX master controller required
- Supports RDM standard protocol, RDM user customized PID testing
- Supports manual DMX output & DMX signal view
- Built-in 2000mAh rechargeable lithium battery
- Supports firmware updating through USB port

Product Code	100601870001(Equipped with 3PIN adapter) 100601840001(Equipped with 5PIN adapter)
Model	SR-2100RDM-Tester
Input Voltage	5Vdc
Input Current	500mA
Output	DMX512 signal
Product Size	130x70x25mm

Art-Net™ DMX Bidirectional Converter

- Art-Net™ DMX bidirectional converter, supports the latest Art-Net™ 4 protocol.
- 2 Ethernet ports with Ethernet switch function, 4 RJ45 DMX ports, it takes up to 4 Art-Net™ universes.
- With 3.5″ LCD screen and a touch control pen for easy & simple configuration.
- Recorder function allows the device to record programs such as color sequences and save them into SD card.
- 4 universes record simultaneously, high speed recording with 40FPS frame rate.
- Play Back function allows the device to play the recorded programs under standalone mode.
- Task Manage function allows the device to create up to 10 scheduled tasks to play the recorded programs.
- Task Manage function works under standalone mode with no Art-Net™ supported PC software required.
- One Art Net supported PC software is enough for multiple projects which will save much costs.
- The PC software can be just used for Recorder function, all projects can run programs under standalone mode.
- Provides a reliable, highly customizable network infrastructure for complex control systems
- Compatible with popular Art-Net™ supported software including Madrix, Sunlite, Luminair, DMX workshop, etc.

Product Code	100601920001
Model	SR-2100ArtNet-DMX
DMX Protocols	DMX512, DMX512-A
Ethernet Protocols	Art-Net ™, sACN
Input Voltage	12-24Vdc
Power Consumption	<4W/0.17A
Connectivity	DMX:4xRJ45, Network:2xRJ45
Product Size	148.5*100*25.5mm

DMX512 Touch Panel

- DMX signal output, comply to standard protocol DMX512(2008)
- User-friendly interface, easy and simple operation.
- High sensitive & high stable Glass touch panel ,fast &precise control
- Reliable & stable switch &Dimming control without any flash
- AC100-240V / DC12-24V version power input

SR-2830B-DMX
CCT, 4 zones, 2 scenes

SR-2811DMX
RGBW, 1 zone, 1 scene

SR-2812B-DMX
RGBW, 1 zone, 4 scenes

SR-2812B-DMX+RF
RF+DMX

SR-2812DMX
RGBW, 4 zones, 1 scene

SR-2812DMX+RF
RF+DMX

SR-2812NB-DMX
RGBW, 1 zone, 4 scenes

SR-2812N-DMX
RGBW, 4 zones, 1 scene

RF/Wi-Fi to DMX512 Touch Panel

- Can match with RF/Wi-Fi remote controller and convert to DMX512 signal
- User-friendly interface, easy and simple operation.
- Control up to 8 zones. Can set 8 scenes at each zone.

- Preset 10 changing modes, with pause function.
- Synchronization function of pattern changes ensure consistent change forever.
- Memory function, remember the last last color/scene
- RJ45 connector & XLR 3pin connectors optional

Product Code	100601470001	100601480001
Model	SR-2816	SR-2816WI
Input Voltage	12Vdc	12Vdc
Output	RF to DMX	WI-FI to DMX
Product Size	165x75x37mm	165x75x37mm

DMX Master Touch Panel

- The DMX512 control panel is a master controller designed to control the DMX decoders
- Control 512 DMX channels
- Enables to configure max. 16 groups or zones with max. 8 scenes, 24 time schedules and 8 cycle schedules to each group
- Supports 5 different types of DMX load: Dim, CCT, RGB, RGBW, RGB+CCT

Product Code	100601940001
Model	SR-2847
Input Voltage	100-240Vac
Output	DMX512
Product Size	86x86x41mm

RF to DMX512 Master Controller

- Receives RF signal, compatible with RF remote controller: RF+DMX512 function
- Can set max. 8 different zones
- Standard DMX512 compliant control interface

Product Code	100600730001
Model	SR-2817DMX
Input Voltage	100-240Vac
Output	RF to DMX512
Product Size	178x57x21mm

Wi-Fi+RF to DMX512 Master Controller

- Receives WiFi / RF signal, compatible with WiFi / RF remote controller: RF/WiFi+DMX512 function
- Can set max. 8 different zones
- Standard DMX512 compliant control interface
- Can be control through Easy Lighting APP

Product Code	100600740001
Model	SR-2817WI
Input Voltage	100-240Vac
Output	Wi-Fi +RF to DMX512
Product Size	178x57x21mm

Wi-Fi to DMX512 Master Controller

- Receives Wi-Fi signal, compatible with Easy Lighting APP
- Can set max. 8 different zones
- Standard DMX512 compliant control interface

Product Code	100104820001
Model	SR-2818WIN-D
Input Voltage	12Vdc
Output	RF+DMX512
Product Size	110x85x24.2mm

RF to DMX512 Master Controller

- Receives RF signal, compatible with RF remote controller: RF+DMX512 function
- Can set max. 8 different zones
- Standard DMX512 compliant control interface
- IP67

Product Code	100600780001
Model	SR-2817DMX(WP)
Input Voltage	100-240Vac
Output	RF to DMX512
Product Size	180.5×73.6x38mm

Wi-Fi+RF to DMX512 Master Controller

- Receives WiFi / RF signal, compatible with WiFi / RF remote controller: RF/WiFi+DMX512 function
- Can set max. 8 different zones

- Standard DMX512 compliant control interface
- Can be control through Easy Lighting APP
- IP67

Product Code	100600790001
Model	SR-2817WI(WP)
Input Voltage	100-240Vac
Output	Wi-Fi+RF to DMX512
Product Size	180.5×73.6x38mm

Accessories

DMX512 to 0/1-10V/PWM Dimmer

- DMX signal converter to 0/1-10V
- DMX512 signal input, 2 channels 0-10V signal output
- To dim and switch single color LED lighting
- Relay output: max. 5Amps

Product Code	100602430001
Model	SR-2102(0-10V/PWM)
Input Voltage	100-240Vac
Input Current	60mA
Output	2x(0-5V), 2x(0-10V), 2x(0-15V)
Product Size	170x59x29mm

- SPI signal output for control of RGB/RGBW pixel lights
- DMX512 controllable and RF/WiFi remote controllable
- Capable of addressing up to 1020 pixels at the same time
- Addressing up to 170 RGB pixels or 128 RGBW pixels individually
- The built-in, backlit OLED panel allows for easy configuration of most settings
- Supports 39 types of driving IC
- Support max. 3060 output channels configurable
- 35 built-in sequencing, chasing, changing and static colors under RF mode

Product Code	1.011E+11
Model	SR-SPI-OLED
Input Voltage	12-24Vdc/5Vdc
Input Current	0.2A
Output	SPI
Product Size	170×53.4x28mm

Signal Repeater

- Work with DMX decoder to expand DMX signal based on the actual lighting projects.
- Extend both cable distance (up to 300m) and the number of devices
- Signal input and output are isolated by optocoupler
- Up to 32 devices can be connected in a daisy-chain, with a terminator on the last device

DMX512 Signal Repeater

- 1 channel signal input, 1 channel signal output

Product Code	100602790001
Model	SR-2100AMP
Input Voltage	12-24Vdc
Input Current	Max 90mA @ 12V, 50mA @ 24V
Output	DMX512
Product Size	145×46.5x16mm

RDM Enabled DMX512 Signal Repeater

- 1 channel signal input, 1 channel signal output
- Built-in DMX terminators (can be set by DIP switches) attached on two DMX IN/OUT ports to stop data reflections for more reliable and stable data transmission.

Product Code	1.00603E+11
Model	SR-2100AMP-RDM
Input Voltage	12-24Vdc
Input Current	50mA @ 12V, 30mA @ 24V
Output	DMX512 RDM
Product Size	145×46.5x16mm

DMX512 Signal Repeater

- 1 channel signal input, 1 channel signal output
- RJ45 terminal, easy to be connected

Product Code	1.00603E+11
Model	SR-2100AMP-RJ45
Input Voltage	12-24Vdc
Input Current	Max 90mA @ 12V, 50mA @ 24V
Output	DMX512
Product Size	170×53.4x28mm

DMX512 Signal Repeater

- 1 channel signal input, 1 channel signal output
- IP67

Product Code	100602880001
Model	SR-2100AMP(WP)
Input Voltage	12-24Vdc
Input Current	Max 90mA @ 12V, 50mA @ 24V
Output	DMX512
Product Size	180.5×73.6x38mm

RDM Enabled DMX512 Signal Repeater

- 1 channel signal input, 1 channel signal output
- IP67

Product Code	1.00603E+11
Model	SR-2100AMP-RDM(WP)
Input Voltage	12-24Vdc
Input Current	50mA @ 12V, 30mA @ 24V
Output	DMX512 RDM
Product Size	180.5×73.6x38mm

RDM Enabled DMX512 Signal Repeater

- 1 channel signal input, 1 channel signal output
- Various types of DMX signal connection port: 3/5-Pin XLR connector, RJ45 port
- With plug-in type power input terminal, easy wiring

Product Code	100603200001
Model	SR-2100AMP-RDM-RJ45-5
Input Voltage	12-24Vdc
Input Current	Max 300mA
Output	DMX512 RDM
Product Size	164x60x36.6mm

8 Channels RDM Enabled DMX512 Signal Repeater

- 8-Way isolated DMX splitter
- Plug and play, 3/5-Pin XLR male DMX input, eight XLR female DMX outputs
- Each output provides LED data indicators, providing full confirmation of proper operation

Product Code	100603300001	100603310001
Model	SR-2100AMP-RDM-8CH-3	SR-2100AMP-RDM-8CH-5
Input Voltage	12-24Vdc	12-24Vdc
Input Current	Max 300mA	Max 300mA
Output	DMX512 RDM	DMX512 RDM
Product Size	199.4x116x44mm	199.4x116x44mm

8 Channels RDM Enabled DMX512 Signal Repeater

- DMX/RDM compatible, RDM function can be enabled or disabled by dial switch
- Plug and play, RJ45 port DMX input, eight RJ45 port DMX outputs
- Each output provides LED data indicators, providing full confirmation of proper operation

Product Code	100603360001
Model	SR-2100AMP-8CH-RJ45
Input Voltage	12-24Vdc
Input Current	Max 300mA
Output	DMX512 RDM
Product Size	199.4x116x44mm

Power Repeater

1 Channel Power Repeater

- Repeater dimming signal
- One channel input ,one channel output
- Power repeater in series to expand output unlimitedly

Product Code	1.014E+11
Model	SR-3003S
Input Voltage	12-36Vdc
Output Current	8A*1CH
Output Power	96-288W
Product Size	95x37x20mm

1 Channel Power Repeater

- Repeater dimming signal
- One channel input ,one channel output
- Power repeater in series to expand output unlimitedly

Product Code	101400140001
Model	SR-3003
Input Voltage	12-24Vdc
Output Current	24A*1CH
Output Power	288-576W
Product Size	150x54x32.2mm

4 Channels Power Repeater

- Repeater dimming signal
- Four channels input ,four channels output

- Power repeater in series to expand output unlimitedly

Product Code	101400010001
Model	SR-3001
Input Voltage	12-36Vdc
Output Current	5A*4CH
Output Power	240-720W
Product Size	178x46x22mm

4 Channels Power Repeater

- Repeater dimming signal
- Four channels input ,four channels output
- Power repeater in series to expand output unlimitedly

Product Code	1.014E+11
Model	SR-3001P
Input Voltage	12-36Vdc
Output Current	5A*4CH
Output Power	240-720W
Product Size	166×53.4x23mm

4 Channels Power Repeater

- Repeater dimming signal
- Four channels input ,four channels output
- Power repeater in series to expand output unlimitedly
- Din Rail installation

Product Code	101400160001
Model	SR-3001DIN
Input Voltage	12-36Vdc
Output Current	5A*4CH
Output Power	240-720W
Product Size	110x53x65mm

4 Channels Power Repeater

- Repeater dimming signal
- Four channels input ,four channels output
- Power repeater in series to expand output unlimitedly

- IP67

Product Code	101400050001
Model	SR-3001(WP)
Input Voltage	12-36Vdc
Output Current	5A*4CH
Output Power	240-720W
Product Size	180.5×73.6x38mm

4 Channels Power Repeater

- Repeater dimming signal
- Four channels input ,four channels output
- Power repeater in series to expand output unlimitedly

Product Code	101400040001
Model	SR-3002
Input Voltage	12-36Vdc
Output Current	8A*4CH
Output Power	384-1152W
Product Size	170x59x29mm

5 Channels Power Repeater

- Repeater dimming signal
- Five channels input ,five channels output
- Power repeater in series to expand output unlimitedly

Product Code	101400240001
Model	SR-3002EA-5C
Input Voltage	12-36Vdc
Output Current	5A*5CH
Output Power	300-900W
Product Size	170x59x29mm

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Documents / Resources

	SUNRICHER DMX512 RDM Control Expert [pdf] Instruction Manual SR-2102B, SR-2102P, DMX512 RDM Control Expert, DMX512, RDM Control Expert, Control Expert, Expert

References

- **Intelligent Dimmable LED Driver, Controller, Dimmer For Smart Home & Building**
- **User Manual**

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