

# DMX/RDM Series

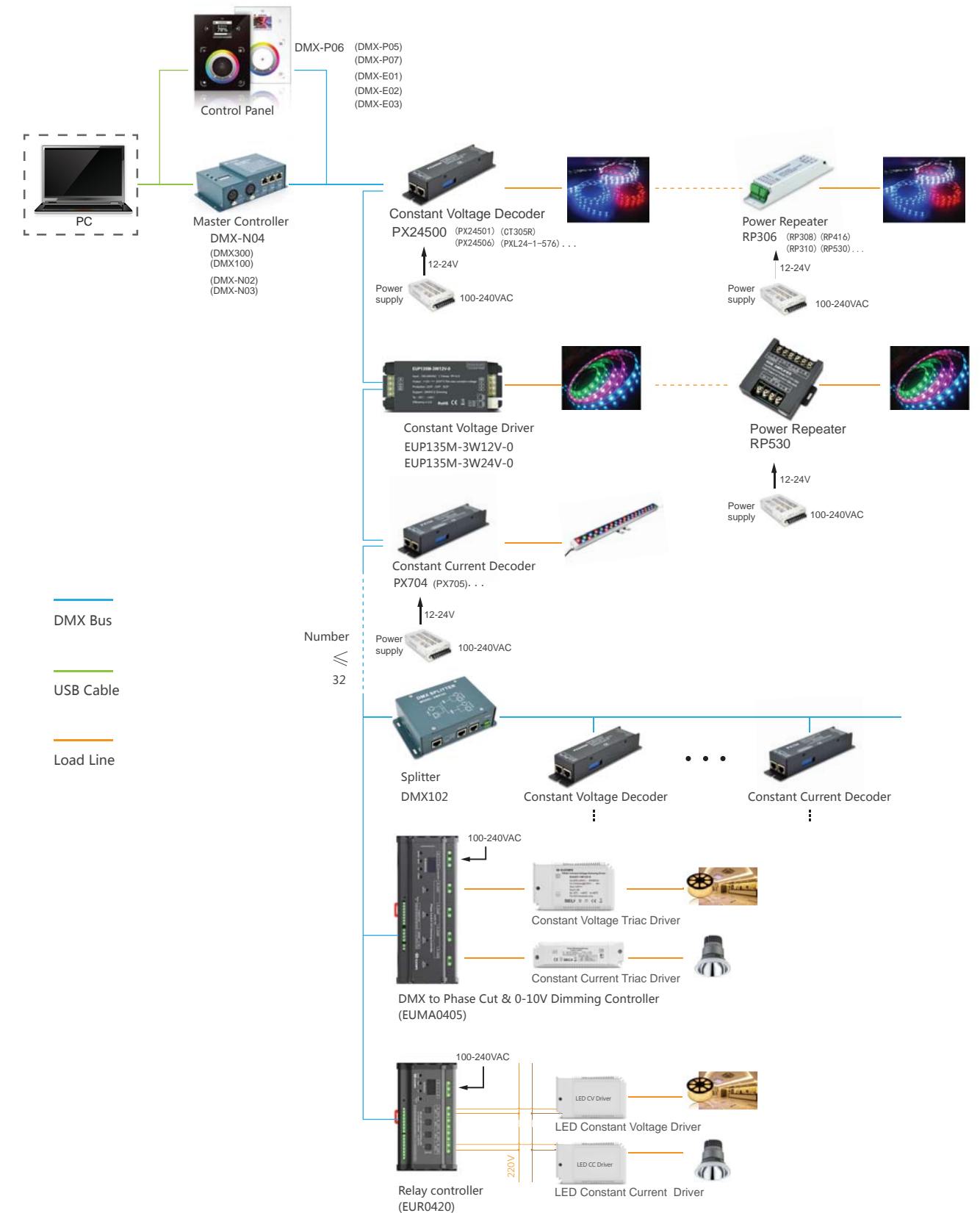


DMX512 (Digital Multiplex) is a standard protocol for digital communication networks that are commonly used to control the stage lights and effects. It was originally invented by USITT.

Compared with traditional analog dimming system, digital lighting system, which is based on DMX512 control protocol, can offer powerful control functions for large and medium-sized indoor and outdoor LED lighting system. After revision and improvement, DMX512-A standard supports bidirectional transmission. It can return an error diagnostic report of the lamps and other information. What's more, it can be compatible with all lighting equipments meeting DMX512 standards.

A network consists of one DMX512 controller – which is the master of the network — and one or more slave devices. For the master controllers, we also offer software to program. They support both stand alone and PC.

# DMX Control System



## DMX Stand Alone Masters

### DMX100

#### DMX Stand Alone Controller

DMX100 is a full-color LED control system which is used for indoor and outdoor decorative lighting. with the wireless remote control, you can change the modes and adjust speed very conveniently. There are 30 modes of jump, fade, running, chase and with the pause function, you can keep the fixed color optionally.



#### Feature

- ▶ Meets DMX512(1990)
- ▶ RF remote control function
- ▶ 256 levels of grey, totally 16.77 million colors, really full color
- ▶ Various of output interface, XLR-3 Male & Female, RJ45
- ▶ Eight different speed levels
- ▶ Automatic parameter memory
- ▶ Various modes with pause function

#### Parameter

Item No.	Input Voltage	Protocol	DMX Channels	Operation Mode	Connection	Software	G.W.(g)	Size(mm)
DMX100	12VDC	DMX512(1990)	512	Stand Alone	XLR-3/RJ45	Not Support	709	140*80*46

RoHS CE

### DMX300

#### DMX Stand Alone Controller

DMX300 is a full-color LED control system which focuses on indoor and outdoor decorative lighting. It comprises scene-edit software, LCD screen and buttons. You can according freely with RF remote control. There are several default modes.



#### Feature

- ▶ Meets DMX512(1990)
- ▶ Digital screen shows current status
- ▶ RF remote control function
- ▶ 256 levels of grey, totally 16.77 million colors, really full color
- ▶ Various output interface, XLR-3 Male & Female, RJ45
- ▶ Eight different speed levels
- ▶ Automatic parameter memory

#### Parameter

Item No.	Input Voltage	Protocol	DMX Channels	Operation Mode	Connection	Software	G.W.(g)	Size(mm)
DMX300	12VDC	DMX512(1990)	512	Stand Alone	XLR-3/RJ45	EC Flash	1208	190*123*46

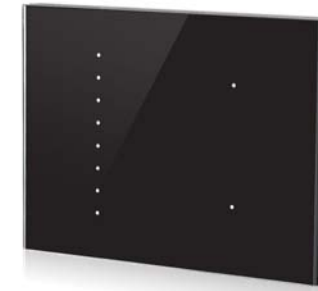
RoHS CE

## DMX Stand Alone Masters

### DMX800E1

#### DMX Stand Alone Controller

DMX800E1 has fashionable glass panel, simple switch and more levels dimming functions, suitable for kinds of standards wall mounted method. Widely used in dance stage, grogshop, club, office and many other lighting control applications.



#### Feature

- ▶ Meets DMX512(1990)
- ▶ Using tempered glass material
- ▶ Controlled by touchable button and slider key and with system indicate LED, easy to learn and use
- ▶ Has advanced power management system and enter standby status
- ▶ Automatic memory function
- ▶ Smooth Dimming curve, no flicker

#### Parameter

Item No.	Input Voltage	Protocol	DMX Channels	Operation Mode	Connection	Software	G.W.(g)	Size(mm)
DMX800E1	12-24VDC	DMX512(1990)	512	Stand Alone	Connector	No support	315	146*106*11

RoHS CE

### RDM-100

#### RDM Stand Alone Controller

RDM-100 meets RDM(2009) protocol. It can speak to RDM devices, set initial address and read the datas from devices. The software can also edit the lighting effects and set scenes. read their parameters. Can program the lighting change effects and set scenes.



#### Feature

- ▶ Meets RDM(2009) protocol, compatible with DMX 512 (1990)
- ▶ LCD screen displays the current state
- ▶ Buttons support long-press, short-press and anti-share operations
- ▶ 256 levels of grey, totally 16.77 million colors, really full color
- ▶ Built-in 30 kinds of fixed modes, leave 5 kinds of custom modes for users to edit
- ▶ Automatic parameter memory

#### Parameter

Item No.	Input Voltage	Protocol	DMX Channels	Operation Mode	Connection	Software	G.W.(g)	Size(mm)
RDM-100	5V DC	RDM(2009) DMX512(1900)	512	PC+Stand Alone	USB	RDM Master	710	154*105*49

RoHS CE

## DMX N Series Master Controllers



DMX-N02



DMX-N03



DMX-N04

### Feature

- ▶ Meets DMX512(1990)
- ▶ 512\*3 channels in live mode(computer) and stand alone (DMX-N04)
- ▶ USB or Ethernet connection, programmable by software
- ▶ Micro SD card memory for stand alone use(DMX-N04)
- ▶ Clock & calendar triggering function(DMX-N04)
- ▶ Various output interface, XLR-3, XLR-5 and RJ45

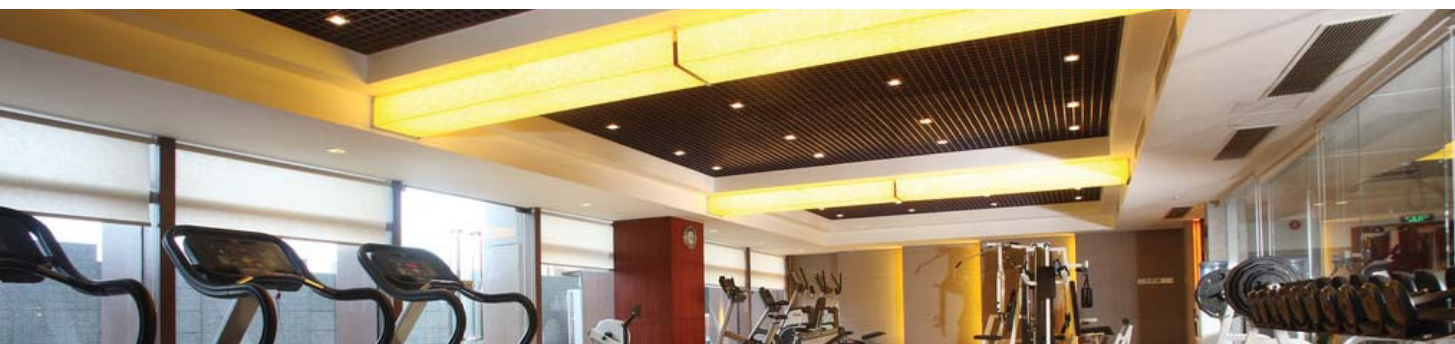
### Description

N series DMX master controllers have more than 512\*3channels, connecting by Ethernet, and have the programming software for the abundant LED lighting effects, meet for customers' different requests.

### Parameter

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Item No.	Input Voltage	Protocol	DMX Channels	Operation Mode	Connection	Software	G.W.(g)	Size(mm)
DMX-N02	5-5.5VDC	DMX512(1990)	256	PC+Stand Alone	USB	Euchips one	515	105*90*40
DMX-N03	5-5.5VDC	DMX512(1990)	512	PC+Stand Alone	USB	Euchips one	627	143*95*44
DMX-N04	5-5.5VDC	DMX512(1990)	512*3	PC+Stand Alone	USB+ETHERNET	Euchips seven	677	160*88*48



## DMX P Series Touch Panel Controllers



DMX-P05F



DMX-P06



DMX-P07

### Feature

- ▶ Uses tempered glass material, stylish appearance
- ▶ Sensitive keys, lively LCD screen
- ▶ USB or Ethernet connection, programmable by PC software
- ▶ 8 dry contact trigger ports
- ▶ Wall mounted

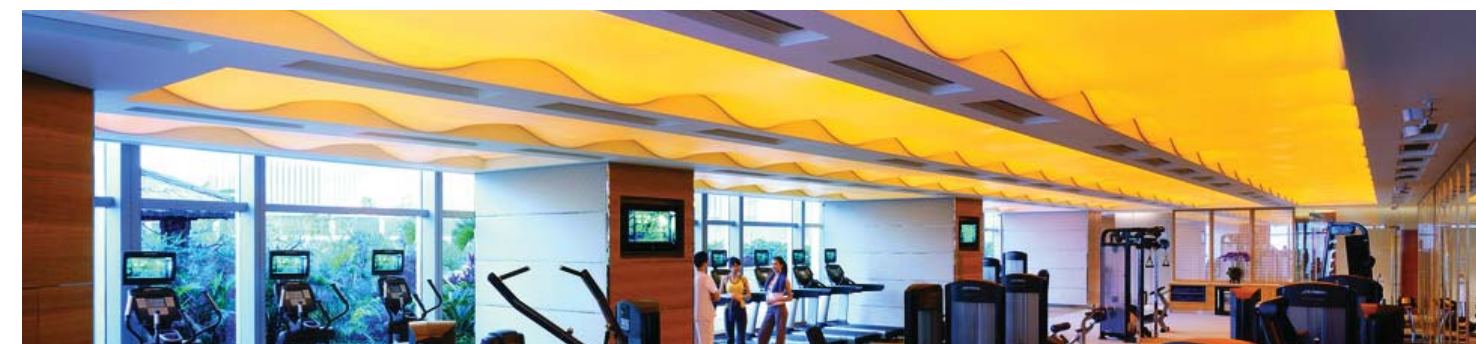
### Description

With a stylish glass panel that can be installed on any walls easily. Supports stand alone mode, up to 512 \* 2-channel, can adjust scenes, speed or brightness based on the user's real-time applications, PC software pre-effects editor.

### Parameter

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Item No.	Input Voltage	Protocol	DMX Channels	Operation Mode	Connection	Software	G.W.(g)	Size(mm)
DMX-P05F	5V DC	DMX512(1900)	128	PC+Stand Alone	USB	Euchips one	250	86*86*10
DMX-P06	6V DC	DMX512(1990)	512*2	PC+Stand Alone	USB+ETHERNET	Euchips seven	508	146*106*11
DMX-P07	5V DC	DMX512(1990)	512*2	PC+Stand Alone	USB+ETHERNET	Euchips seven	392	168*128*17



## DMX Q Series Master Controllers

### Feature

- ▶ 256-grey levels for each R,G,B channel, totally 16.77 million colors, really full color
- ▶ Keys support long press, short press and anti-shake operations
- ▶ Supports kinds of output connectors: XLR3, RJ45, T.Block



DMX-Q01



DMX-Q02

### Description

Q series DMX master controller are mainly used to control RGB lighting changes, supports 512 channels and professional PC editing software, It can operate online or stand alone 10 keys remote control for scenes changing, very easy to use for users.

### Parameter

RoHS CE

Item No.	Input Voltage	Protocol	DMX Channels	Operation Mode	Connection	Software	G.W.(g)	Size(mm)
DMX-Q01	5V DC	DMX512(1990)	512	PC+Stand Alone	USB	Euchips 8	510	100*70*44
DMX-Q02	5V DC	DMX512(1990)	512	PC+Stand Alone	USB	Euchips 8	620	132*114*40



## DMX E Series Touch Panel Controllers



### Description

Meets DMX512 ( 1990 ) international standard protocol , with fashionable glass panel, ergonomic concave touch ring Up to 16 channels to control the RGB lights and with 4 customized scenes, can meet most customer's requests.

### Feature

- ▶ Meets DMX512 ( 1990 ) international standard protocol
- ▶ High precise touch sensitive keys and dimming ring
- ▶ Power cut memory function



### Parameter

RoHS CE

Item No.	Input Voltage	Protocol	DMX Channel	Area	Scene	Dimmer	G.W.(g)	Size(mm)
DMX-E01	5VDC	DMX512/1990	4	4	4	Brightness Adjust	110	86*86*10
DMX-E02	5VDC	DMX512/1990	8	4	3	Color Temp. Adjust	110	86*86*10
DMX-E03	5VDC	DMX512/1990	16	4	4	RGBW Adjust	200	146*106*11

# Constant Voltage DMX Decoder Series

## Feature

- ▶ Meets DMX512/1990
- ▶ 256-level brightness, full-color control
- ▶ Works with control system, can express perfect effect
- ▶ Can drive 1~3 channel of each lamp
- ▶ Can set the DMX address freely
- ▶ With anti-interference performance, over-heat and over-current protection, self-recovery function

## Description

DMX constant voltage LED decoders are PWM constant voltage output, working with DMX control system and applying to control kinds of single color or RGB LED strips and constant voltage sources. Open green ends, RJ45 and various connecting methods are optional. They require of 12-24VDC power supply.

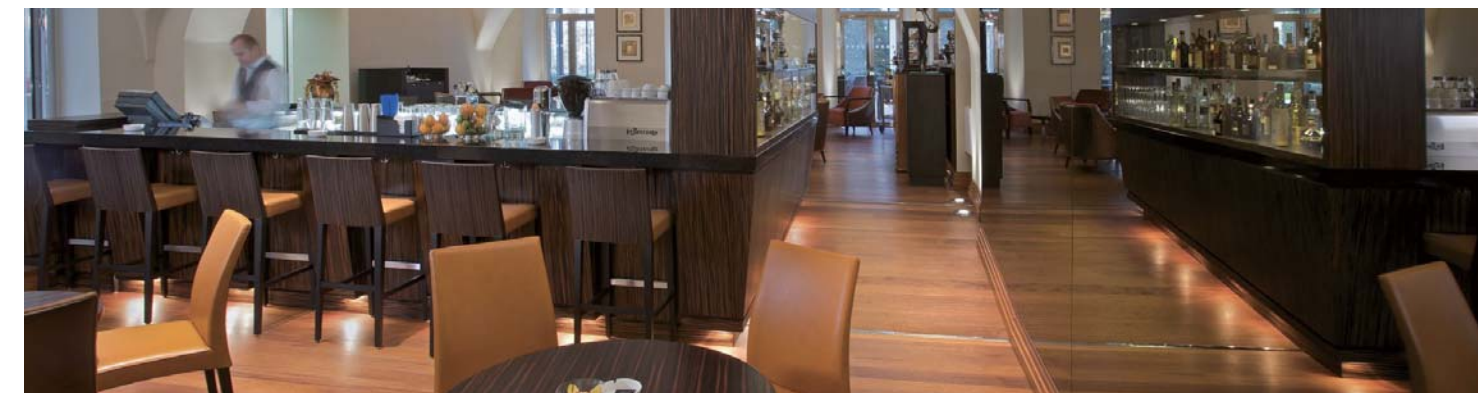


# Constant Voltage DMX Decoder Series

## Parameter

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Item No.	Input Voltage	Output Current	Output Power	Address Setting	DMX Interface	G.W.(g)	Size(mm)
CT305R	12-24VDC	5A*3Channels	180~360W	DIP Switch	RJ45	282	177*41.5*33.5
CT305RL	12-24VDC	5A*3Channels	180~360W	DIP Switch	RJ45	282	177*41.5*33.5
CT310RF	12-24VDC	8A*3Channels	288~576W	Button	RJ45	1076	190*123*53
DIM101M-DIN	12-24VDC	5A*3Channels	180~360W	Button	Connector	120	112*35*67
PX24500	12-24VDC	5A*3Channels	180~360W	DIP Switch	RJ45	263	177*41.5*33.5
PX24500A	12-24VDC	6A*3Channels	216~432W	Button	Connector	165	168*51*22
PX24500D	12-24VDC	5A*4Channels	240~480W	Button	Connector	165	168*51*22
PX24501	6-24VDC	5A*3Channels	90~360W	DIP Switch	RJ45/XLR-3	331	125*54*41
PX24504	12-24VDC	3A*1Channel	36~72W	DIP Switch	Connector	141	86*51*18
PX24505	12-24VDC	6A*4Channels	288~576W	DIP Switch	RJ45/XLR-3	344	125*54*41
PX24506	12-24VDC	3A*3Channels	108~216W	DIP Switch	Connector	136	86*51*18
PX24507	12-24VDC	5A*3Channels	180~360W	DIP Switch	RJ45	145	86*54*20
PX24606	12-24VDC	5A*4Channel	240~480W	DIP Switch	Connector	150	120*42*23
PX24800E1	5-24VDC	6A*3Channel	90~432W	Button	Connector	165	67*50*22
PX403	12-24VDC	3A*4Channels	144~288W	DIP Switch	RJ45	262	177*41.5*33.5
PXL24-1-576	12-24VDC	1A*24Channels	288~576W	DIP Switch	Connector	511	195*100*18
PXL24-2-1152IR	12-24VDC	2A*24Channels	576~1152W	DIP Switch	Connector	460	195*100*18



## Constant Voltage DMX Driver Series

### Feature

- ▶ Works with control system, with perfect effect
- ▶ Can set the DMX address freely
- ▶ Uses touchable color ring remote control, easy to operate
- ▶ With anti-interference performance, over-heat and over-current protection, self-recovery function

### Description

DMX constant voltage LED drivers are PWM constant voltage output, working with DMX control system and applying to kinds of single color or RGB LED strips and constant voltage sources. 120-240AC input, power supplies are not required.



### Parameter

Item No.	Input Voltage	Output Current	Output Voltage	Output Power	Protocol	G.W.(g)	Size(mm)
EUP135M-3W12V-0	100-240VAC	3.75A*3Channels	12VDC	135W	DMX512(1990)	610	196*75*40
EUP150M-3W24V-0	100-240VAC	2.08A*3Channels	24VDC	150W	DMX512(1990)	610	196*75*40

RoHS CE

## Constant Current DMX Decoder Series

### Feature

- ▶ Multiple output currents are optional
- ▶ Can set DMX address freely
- ▶ Modular, can be combined with LED lamps flexible
- ▶ Over-heat protection, output short circuit protection

### Description

DMX constant current LED decoders are PWM constant current output, working with DMX control system and applying to kinds of LED down lamps, track lamps, ceiling lamps and constant current sources. 12-48VDC input. Setting output currents and other parameters by Nixie tubes and DIP switches.



### Parameter

Item No.	Input Voltage	Output Current	Output Voltage Range	Address Setting	DMX Interface	G.W.(g)	Size(mm)
PX704	12-48VDC	350mA*4Channels	3-42V	DIP Switch	RJ45	312	177*41.5*33.5
PX705	12-48VDC	300mA*3Channels 350mA*3Channels 500mA*3Channels 650mA*3Channels 700mA*3Channels	3-42V	Button	Connector	175	168*51*24.5
PX706	12-48VDC	1050mA*4Channels	3-42V	Button	RJ45	185	168*51*24.5

RoHS CE



# DMX Splitter Series

## Feature

- ▶ Integrate signal isolation and relay functions
- ▶ Input and output signal are electrically isolated from each other, which can easily avoid the damage of electrical equipment
- ▶ Interface : RS-485

## Description

DMX splitter is dedicated to the DMX512 digital lighting control and signal amplification, also it can make the signal isolation to guarantee the reliability of the whole control system.

When the distance of DMX master and first decoder /driver is more than 100m, quantity of DMX decoders/drivers is over 32 pieces, distance between decoders/drivers more than 40m, DMX splitter is needed.



## Parameter

RoHS

Item No.	Input Voltage	Transmission	Input Channel	Isolated Output	G.W.(g)	Size(mm)
DMX102	12-24VDC	DMX	1	2	693	151*90*40
DMX102W	12-24VDC	DMX	1	2	152	200*31*21
DMX103	12-24VDC	DMX	1	1	220	123*59*23.5
RDM103	12-24VDC	RDM/DMX	1	1	220	123*59*23.5
WIFI-DMX-01	5VDC	DMX	7	/	100	120*30*30

