

# DMX Decoder

## Led Controller



# DMX Decoder DMX to x chip decoder

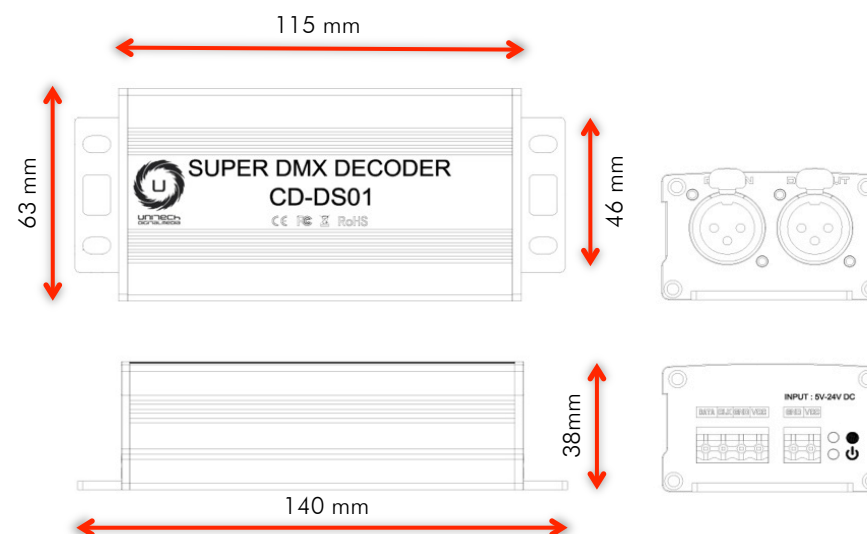
## FEATURES

- DMX to X Chip decoder receives standard DMX512 signal and transform it into X Chip signal for driving LED.
- User can connect this DMX decoder with Artnet controller or standalone controller.
- Support DMX512 (1990) protocol. The baud rate supports 250 kbps, 500kbps, 750kbps and 1Mbps.
- Support two DMX decoding models: initiative decoding and passive decoding.
- In initiative decoding model, the maximum IC QTY depends on the DMX frame rate.
- In passive decoding model, the maximum IC QTY depends on the decoder.
- User can set DMX address and address offset auto increment.
- Support gamma correction.
- It can decode about 20 kinds of IC.
- Support random changing of the order of RGB.
- Support pixel replication function. (Example: if you have one meter 30leds and 30pixels strip in your hand, then you can set 1LED as one pixel, 2LEDs as one pixel, 3LEDs as one pixel, 4LEDs as one pixel and so on).



## SPECIFICATIONS

	DMX512L
Voltage	DC5-24V
Input Current	1.5A
Standby Power	<1W
Input Protocol	DMX512
Input Connection	XLR 5 pin
Output Protocol	X-Chip
Control Channel	512 Channels
Change DMX Baud	Support
Change DMX Mode	Support
Set DMX Address	Support
Set Gamma Correction	Support
Change RGB Sequence	Support
Pixel Copy	Support
IC Selection	Support
Led Output Voltage	DC5-24V
Dimension	115x63x38 mm
Dimension with brackets	140x63x38 mm
Operation Temperature	-20° to 60°C
IP	IP20
Certificate	CE



### DMX512L DMX DECODER

**SIZE:** 5.51"x2.48"x1.49" (140x63x38 mm)

**ORDER CODE:** UNILCDD512L

## DMX DECODER IC SELECTION LIST

N°	IC	FREQUENCY
000-007	TLS3001/LX2003/LX2006	300kbps/400kbps/500kbps/600kbps/700kbps/800kbps/900kbps/1Mbps
008-015	APA102	600kbps/800kbps/1Mbps/1.2Mbps/1.4Mbps/1.6Mbps/1.8Mbps/2Mbps
016-023	WS2801/WS2803	600kbps/800kbps/1Mbps/1.2Mbps/1.4Mbps/1.6Mbps/1.8Mbps/2Mbps
024	UCS1903/UCS1904/UCS1909/UCS1912/ UCS2903/UCS2909/UCS2912/WS2811	400kbps
025	TM1803/TM1804/TM1809	400kbps
026	GW6201/SM16715	416kbps
027	LX1003	555Kbps
028	APA104/APA106	584Kbps
029	UCS19xx/UCS29xx/TM180x/WS281x	800kbps
030	GW6201/GW6204EM/SM16715	833kbps
031	LX1003/LX1203/TLS3200	1.1Mbps
032-039	UCS3903/UCS3912	1.53Mbps
040-047	GW6205	416kbps/833kbps
048-055	UCS8903/UCS8904	800kbps
056-063	UCS9806/UCS9809/UCS9812	1.1Mbps
064-071	SM16716	600kbps/800kbps/1Mbps/1.2Mbps/1.4Mbps/1.6Mbps/1.8Mbps/2Mbps
072	MBI6120	150Kbps/200Kbps/300Kbps/400Kbps/500Kbps/600Kbps/700Kbps/ 800Kbps
080-119	Not Used	N/A
120	WS2821/UCS512/MY9931/MY9933/ MY9941/MY9942/MY9943	250Kbps

# DMX Decoder DMX to PWM decoder

## FEATURES

- DMX to PWM 8CH/9CH decoder adopts the advanced micro control unit.
- It receives standard DMX-512 digital control signal and transforms it into PWM signal for driving LED
- CD-DP08:8 channels and Max.4A for each channel
- CD-DP09:9 channels and Max.4A for each channel
- Support White, Dynamic White, RGB, RGBW
- DMX Address can be set by DIP switch on the decoder.
- User can connect this DMX decoder with Artnet controller or standalone controller.
- Frequency 8KHZ, LED no flicker in camera recording.
- Protection: Short circuit, hot pugging, and reverse connection.

### DP08

DMX to PWM Decoder

### DP09

DMX to PWM Decoder



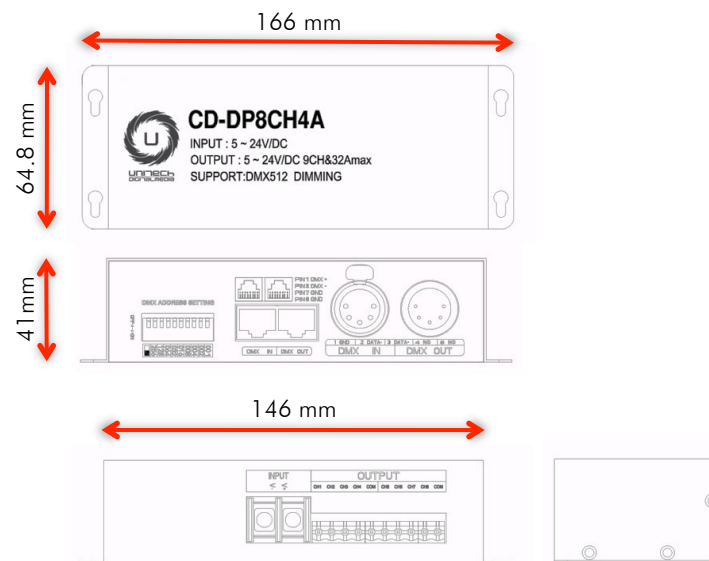
# DMX Decoder DMX to PWM decoder

## SPECIFICATIONS

	DP08	DP09
Voltage	DC5-24V	DC5-24V
Input Current	30A	30A
Standby Power	<1W	<1W
Dimming Protocol	DMX512	DMX512
Signal Connection	XLR 5 pin or RJ45	XLR 5 pin or RJ45
Control Channel	8 Channels	9 Channels
Connection Mode	Common Anode	Common Anode
Diver Mode	Constant Voltage	Constant Voltage
LED Output Load	RGBW:4A per Output	RGBW:4A per Output
LED Output Voltage	DC5-24V	DC5-24V
Dimension	146x65x41 mm	146x65x41 mm
Dimension with brackets	166x65x41 mm	166x65x41 mm
Operation Temperature	-20° to 60°C	-20° to 60°C
IP	IP20	IP20
Certificate	CE	CE

## ADDRESS SETTING

User can set the address by DIP switch. DIP switch in Up Position OFF, the value of this position is 0. DIP switch in Down Position ON, you can get the value of this position; DIP Position 1-9 is the binary system number of setting beginning DMX512 address, 1 is the lowest and 9 is the highest. User can set 512 addresses totally. DIP position 10 is function button, FUN=OFF, user can receive DMX512 signal from controller. FUN=ON, user can test led with decoder self effects.



### DP08 DMX DECODER

**SIZE:** 6.53"x2.55"x1.61" (166x65x41 mm)

**ORDER CODE:** UNILCDDP08

### DP09 DMX DECODER

**SIZE:** 6.53"x2.55"x1.61" (166x65x41 mm)

**ORDER CODE:** UNILCDDP09