

DMX decoder



Features and Benefits

DMX-Decoder is a wide range voltage input(12-36V) 1 pixel DMX decoder. It can be simple DMX master or Decoder. as DMX master it have 30 pro-set program,

Meet with DMX512/1990, strong anti-reference ability—signal connector have protect. Long distance transfer(two decoder distance can be 300m). every decoder is a amplifier , it can series 170 decoder.

Easy to address and use, it can be apply for wallwasher, downlighting, linear lighting lamps. It have two kinds of products, constant current and constant voltage.

Technical parameters

No	Item	Specification
1	NAME	DMX decoder
2	SIZE	204*44*25mm(About)
3	INPUT	DC12~36V
4	OUTPUT	CC 36v/700MA CC 36V/350MA
5	CONTRO OUTPUT	R、 G、 B COM PLUS
0.6	PIXEL	R/G/B
7	SIGNL interface	DMX512/1990
8	address	Hand-made
9	Storage temp	-15~85degree
10	Pro-set program	29
11	Weight	115G

Code

20400014

DMX decoder 12-24V DC input, 5Ax3CH

Warranty

1 year

Address:

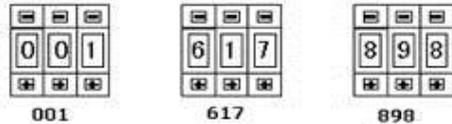
1.Address: Red is first, Green plus 1, Blue plus 2(compare with Red). Such as Red is 001, Green is 002, blue is 003.

2. this decoder is a amplifier, please take care about signal in and signal out, only right connect is can be a amplifier.

function

It have two functions: A. Decoder, B. DMX master.

HOW TO READ ADDRESS?



If want to change the number, press “+” or “-“ to change.

A : As decoder, address 001-512.

The address number must less than 513. all the address is RED LED address, the Green LED address will plus 1 and Blue will plus 2. such as when number Read: 234.(Red), then the Green address is 235, Blue address is 236. when address is less than 513, DMX-Decoder only work as a decoder, pre-set program don't work.

If want two DMX-Decoder don't. running synchronization, address must different at least 3, such as first DMX-Decoder is 123, the other must be 126,(it can't be 124 or 125).

B: Auto Address setting

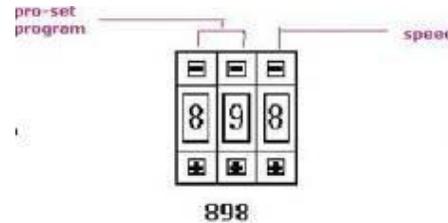
When number is 600-699, it is auto address setting. It need DMX-ADDRESSING to set. One time max can locate 512 address. After setting, the address will be memorised. Until next re-address.

Under this mode, the DMX-Decoder only used as Decoder, when no DMX signal in, it will running the auto-test program. As following. This used for test assembly.

NO	program	NO	program
60	OFF	65	BLUE
61	7 Color jump	66	YELLOW
62	7 color fader	67	GREY
63	RED	68	CYAN
64	GREEN	69	WHITE

function

C: As DMX Master. 710-999 address between 71x-99x it is a DMX master, it don't accept the signal from MASTER, the input interface will be a DMX signal output. The address number can be read as two parts:



0 -9 is speed , 0 is very slow. 9 the fastest.Pro-set program details as following:

NO	Brief	NO	Brief
70	OFF	85	Green fade
71	Seven color jumping	86	Blue fade
72	Seven color fade	87	Yellow fade
73	Seven color jumping and	88	Purple fade
74	Seven color tail chase	89	Cyan fade
75	Seven color water flowing	90	White fade
76	71-72-73-74-75	91	Seven color fade recycle
77	Red	92	Red flash
78	Green	93	Green flash
79	blue	94	Blue flash
80	yellow	95	Yellow flash
81	purple	96	Purple flash
82	Cyan	97	Cyan flash
83	white	98	White flash
84	Red fade	99	Seven color flash

More information

MODEL	20400014
	Constant voltage
Power loading	1. each channel max 5A.
	2. Input 12V. max loading 180W, Input 24V, max 360w
NOTE	1. loading LED must be same voltage as input voltage.
	2. only work with LED power.

- a) when power is right connect, the RED LED will ON.
- b) when DMX-Decoder is working,, the blue LED will flash.
- c) when many KEY-DMX working together, only one can be master. Other must be slave.
- d) the DMX-Decoder use in door, voltage is DC12-36V.
- e) be sure all the assembly finish, then can be power ON.