LED LIGHTING

DMX512

LINKABLE

STAND ALONE

Marvelous Sound Activation

CE RoHS

COLOR PAR SW-0177

COLOR PAR SW-5112

COLOR PAR SW-5056

User Manual

Please read the instructions carefully before use

1. Technical Specifications

- Power supply

  Input Voltage : AC 120V-60Hz / AC 230V-50Hz

- LED

  Color LED SW-0177: total 177pcs, Red 60pcs, Green 61pcs, Blue 56pcs /30W

  Color LED SW-5112: total 112pcs, Red 32pcs, Green 40pcs, Blue 40pcs /30W

  Color LED SW-5056: total 56pcs, Red 16pcs, Green 20pcs, Blue 20pcs /20W

- Channels

  Channel 1 = Dimmer / Sound Chase / Strobe

  Channel 2 = Blue

  Channel 3 = Green

  Channel 4 = Red

2. DMX512 Address Setting

There are Two ways to set the fixture DMX start address:

A DMX address setting by dip-switches

B Remote DMX address setting by universal DMX controller

DMX address setting by dip-switches

Dip	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Value	1	2	4	8	16	32	64	128	256	No Function

1. Dip switches :

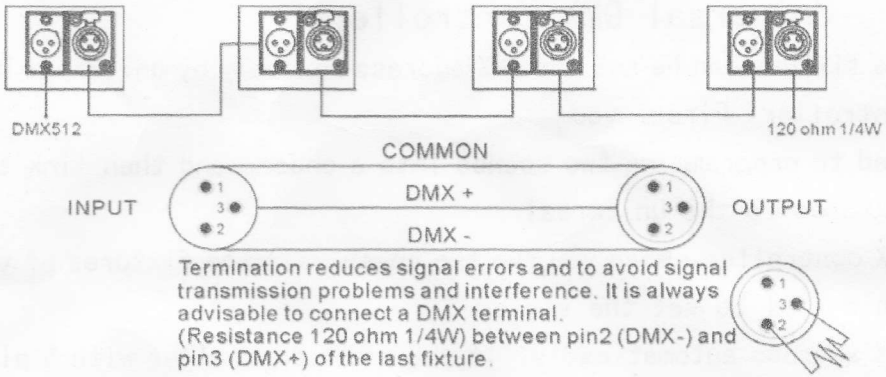
DIP/ON: 1.2.3.4.5.6.7.8
=B/G/R/(Dimmer)
DIP/ON: 9+(4.5.6.7.8)=(AUTO+SPEED)
DIP/ON: 9.2+(4.5.6.7.8)=(Strobe +SPEED)
DIP/ON: 0.0.0.0.0.0.0.0.0.0=(Sound +Chase)

2. Address setting by:

no.1Taiuan:DIP/ON: #1.#10
no.2- : DIP/ON: #1.#5.#10
no.3- : DIP/ON: #1.#6.#10
no.4 : DIP/ON: #1.#5.#6.#10

3. DMX512 Connections

The DMX512 is widely used in intelligent lighting control, with a maximum of 512 channels



1. Connect the fixture together in a "daisy chain" by XLR plug cable from the output of the fixture to the input of the next fixture。The cable cannot be branched or split to a "Y" cable。Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system。
2. The DMX output and input connectors are pass-through to maintain the DMX circuit when no power is connected to the fixture。
3. At last fixture, the DMX cable has to be terminated with a terminator to reduce signal errors。Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture。
4. Each lighting fixture needs to have an address set to receive the data sent by the controller, The address number is between 0-511 (usually0 & 1 are equal to 1)。
5. 3 pin XLR connectors are more popular than 5 pins XLR。
   3 pin XLR: pin 1: GND, Pin2: Negative signal (-), Pin 3: Positive signal (+)
   5 pin XLR: pin 1: GND, Pin2: Negative signal (-), Pin 3: Positive signal (+)

4. How to control the fixture

There are three ways to control the fixture Universal DMX controller.

Universal DMX controller

The fixture can be set the DMX address remotely by universal DMX controller。First, you need to programming two scenes into a chase, and then link the fixtures to the universal DMX controller。When you run the chase, all the fixtures of the chain will be set the series DMX address automatically, If you use a controller with 5 pins DMX connector, you need to use a 5 to 3 pin adapter。The fixture uses four channels。Please refer to the following diagram to use your controller to activate the fixture。

