

SL-MS3000-RGBW

Copy Same Personality As Chauvet Color Strike M

1400W Outdoor Powerful LED Moving Strobe Light



This product manual contains important information about the safe installation and use of this projector. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

User manual

Please read the instructions carefully before use

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STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

1.Safety Instruction

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

Unpack and check carefully there is no transportation damage before using the unit.

Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.

It's important to ground the yellow/green conductor to earth in order to avoid electric shock.

The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked. Disconnect main power before replacement or servicing.

Make sure there are no flammable materials close to the unit while operating as it is fire hazard.

Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.

Maximum ambient temperature is T_a : 40°C. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

DO NOT touch any wire during operation as high voltage might be causing electric shock.

WARNING:

To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.

DO NOT open the unit within five minutes after switching off.

The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

CAUTION:

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

INSTALLATION:

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2. Technical Specification

Power Voltage: AC 100-240V, 50/60Hz

Power Consumption: 1400W

Light Sources: 1.56W white 392pcs 2835 Leds,1W RGB 3in1 784pcs 5050 Leds

Pixel matrix: White 2*14 Groups, Color 2*7 Groups

Lumen full output: R 5480Lm G 11760Lm B 1560Lm W 45000Lm All 63880Lm

CRI: Ra≥90

Light source life: 20000 hours

Beam angle: 110°

Dimmer: 0-100% linear dimmer

Control

DMX Channel: 8/11/13/24/30/74/97CH

Control Modes: DMX512, Auto, Master-Slave, Music

Display: Illuminated graphic LCD

Protocol: USITT DMX-512, RDM

RDM: Bidirectional communication

Cooling: Temperature controlled, overheating protection

Construction

Display: LCD Display

DMX In/Out socket: 3-pin XLR waterproof in/out

Power Socket: Waterproof powercon in/out

Protection Rating: IP65

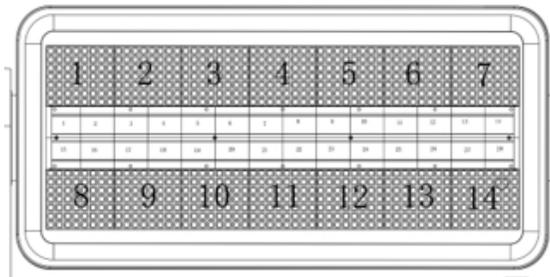
Size

Packing Size: 404*202*350MM

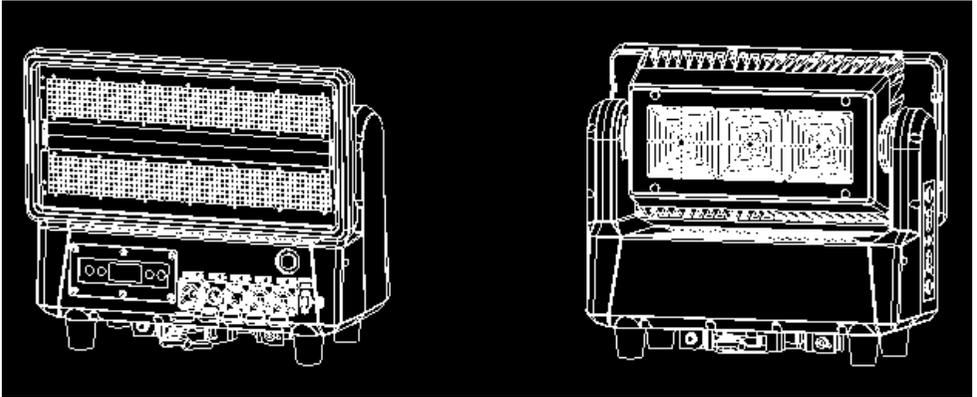
Weight

Gross Weight: 15Kgs

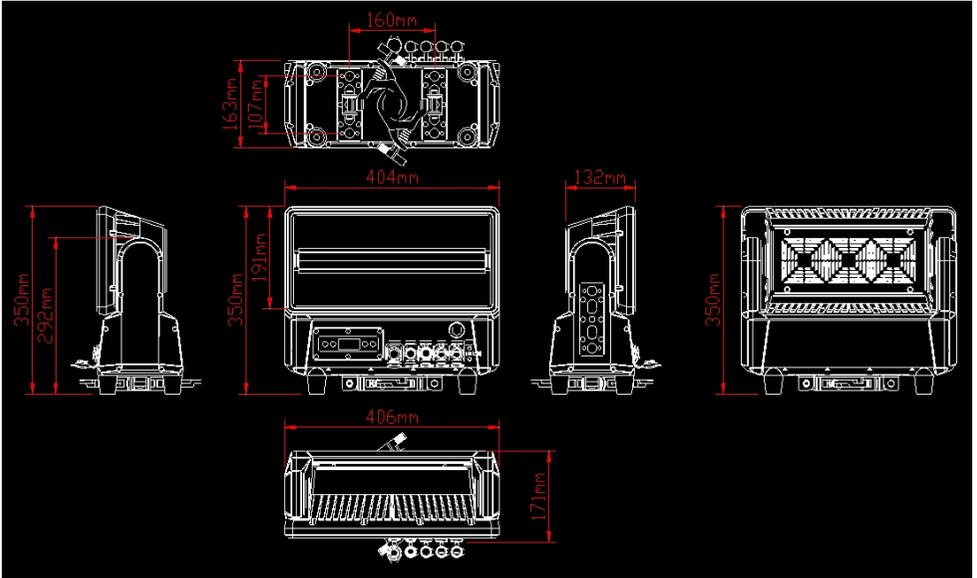
LEDs Arrangement



Product View

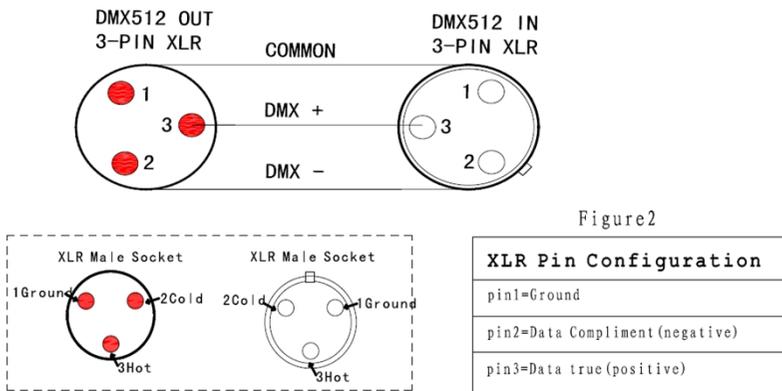


Product Dimensions



3.How to Control The Device

The DMX512 is widely used in intelligent lighting control, with a DMX 512 controller. connect several lights together, dmx in and dmx out, 3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)



Display:

MENU To select the programming functions
 DOWN To go backward in the selected functions
 UP To go forward in the selected functions
 ENTER To confirm the selected functions

Set DMX Address Code

1. Press "**Menu**" to "Set DMX Address", and press "**ENTER**" keys to enter into
2. Show "Set DMX Address DMX Address:001", Press the "**UP** and **DOWN**" keys to amended
- 3 Press "**ENTER**" keys to save and Exit, Press the "**MENU**" Keys does not save and Exit
- 4 Functions setting via LCD display panel as below:

| | Main Level | Programming Levels |
|---|------------|--------------------|
| 1 | Protocol | DMX512 |

| | | | | |
|---|--------------------|-------------|------------------|---------|
| 2 | DMX Address | 1-512* | | |
| 3 | DMX Channel | 8CH | | |
| | | 11CH | | |
| | | 13CH | | |
| | | 24CH | | |
| | | 30CH | | |
| | | 74CH | | |
| | | 97CH | | |
| 4 | Static | Fixed Color | R | |
| | | | G | |
| | | | B | |
| | | | GB | |
| | | | RB | |
| | | | RG | |
| | | | RGB | |
| | Manual Color Mixer | Red | 0-255 | |
| | | Green | | |
| | | Blue | | |
| 5 | Plate FX | Plate FX 1 | Speed | 1-100 |
| | | Plate FX 2 | Plate Intensity | 000-255 |
| | | Plate FX 3 | | |
| | | Plate FX 4 | Background Color | R |
| | | Plate FX 5 | | G |
| | | Plate FX 6 | | B |
| | | Plate FX 7 | | GB |
| | | Plate FX 8 | | RB |
| | | Plate FX 9 | | RG |
| | | RGB | | |

| | | | |
|--------------|------------------------|---------------------|-----|
| | | | Off |
| | | Foreground Color | R |
| | | | G |
| | | | B |
| | | | GB |
| | | | RB |
| | | | RG |
| | | | RGB |
| | | | Off |
| 6 | Beam Intensity | 000-255 | |
| 7 | Beam Flash Duration | 000-255 | |
| 8 | Beam Flash Rate | 000-255 | |
| 9 | Tilt | 000-255 | |
| 10 | Tilt Offset | 000-255 | |
| 11 | Tilt Invert | No | |
| | | Yes | |
| 12 | Pixel Invert | Plate1 Invert | No |
| | | | Yes |
| | | Plate2 Invert | No |
| | | | Yes |
| | | Tube1 Invert | No |
| | | | Yes |
| Tube2 Invert | No | | |
| | Yes | | |
| 13 | LED Array Swap | Plate Swap | No |
| | | | Yes |
| | | Beam Swap | No |

| | | | |
|----|----------------|-----------|---------------------------------|
| | | | Yes |
| 14 | Master/Slave | Master | |
| | | Slave | |
| 15 | Dimmer Mode | OFF | |
| | | DIM1-3 | |
| 16 | White Balance | Off | |
| | | Manual | Red Green Blue 125-255 |
| 17 | LED Frequency | 600Hz | |
| | | 1200Hz | |
| | | 2000Hz | |
| | | 4000Hz | |
| | | 6000Hz | |
| | | 25000Hz | |
| 18 | Fan Mode | Auto | |
| | | On | |
| 19 | Display Invert | No | |
| | | Yes | |
| 20 | Backlight | 10s | |
| | | 30s | |
| | | 2Min | |
| | | Always On | |

| | | | |
|----|------------------|--------------------|----------------|
| 21 | Key Lock | On | |
| | | Off | |
| 22 | Ethernet Setting | Universe | 0–255 (ArtNet) |
| | | | 1–255 (sACN) |
| | | IP Address | 2.192.0.1 |
| 23 | Information | Fixture Hours: | ___ Hours |
| | | LED Hours: | __ H |
| | | Disp Ver: | V_._ |
| | | Drv-Y Ver: | V_._ |
| | | LED-A Ver: | V_._ |
| | | LED-C Ver: | V_._ |
| | | Net Ver: | V_._ |
| | | UID | ----- |
| 24 | Update Firmware | Only this Unit | ----- .CHL |
| | | | ... |
| | | Multiple Units | ----- .CHL |
| | | | ... |
| | | Other Fixture Type | ----- .CHL |
| | | | ... |
| 25 | Factory Reset | No | |
| | | Yes | |

4. DMX Channel Table

DMX 512 97CHs

| CH | Function | Value | Percent/Setting |
|----|----------------------|---------|--|
| 1 | Tilt | 000-255 | 0-100% |
| 2 | Fine tilt | 000-255 | 0-100% |
| 3 | Master dimmer | 000-255 | 0-100% |
| 4 | Plate dimmer | 000-255 | 0-100% |
| 5 | Beam dimmer | 000-255 | 0-100% |
| 6 | Plate flash duration | 000-009 | Classic shutter mode:disables duration control |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% On,no flash/strobe |
| 7 | Plate flash rate | 000-009 | 100% |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% |
| 8 | Beam flash duration | 000-009 | Classic shutter mode:disables duration control |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% On,no flash/strobe |

| | | | |
|----|---------------------|---------|--------------|
| 9 | Beam flash rate | 000-009 | 100% |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% |
| 10 | Plate pixel 1 red | 000-255 | 0-100% |
| 11 | Plate pixel 1 green | 000-255 | 0-100% |
| 12 | Plate pixel 1 blue | 000-255 | 0-100% |
| 13 | Plate pixel 2 red | 000-255 | 0-100% |
| 14 | Plate pixel 2 green | 000-255 | 0-100% |
| 15 | Plate pixel 2 blue | 000-255 | 0-100% |
| 16 | Plate pixel 3 red | 000-255 | 0-100% |
| 17 | Plate pixel 3 green | 000-255 | 0-100% |
| 18 | Plate pixel 3 blue | 000-255 | 0-100% |
| 19 | Plate pixel 4 red | 000-255 | 0-100% |
| 20 | Plate pixel 4 green | 000-255 | 0-100% |
| 21 | Plate pixel 4 blue | 000-255 | 0-100% |

| | | | |
|----|---------------------|---------|--------|
| 22 | Plate pixel 5 red | 000-255 | 0-100% |
| 23 | Plate pixel 5 green | 000-255 | 0-100% |
| 24 | Plate pixel 5 blue | 000-255 | 0-100% |
| 25 | Plate pixel 6 red | 000-255 | 0-100% |
| 26 | Plate pixel 6 green | 000-255 | 0-100% |
| 27 | Plate pixel 6 blue | 000-255 | 0-100% |
| 28 | Plate pixel 7 red | 000-255 | 0-100% |
| 29 | Plate pixel 7 green | 000-255 | 0-100% |
| 30 | Plate pixel 7 blue | 000-255 | 0-100% |
| 31 | Plate pixel 8 red | 000-255 | 0-100% |
| 32 | Plate pixel 8 green | 000-255 | 0-100% |
| 33 | Plate pixel 8 blue | 000-255 | 0-100% |
| 34 | Plate pixel 9 red | 000-255 | 0-100% |
| 35 | Plate pixel 9 green | 000-255 | 0-100% |
| 36 | Plate pixel 9 blue | 000-255 | 0-100% |

| | | | |
|----|----------------------|---------|--------|
| 37 | Plate pixel 10 red | 000-255 | 0-100% |
| 38 | Plate pixel 10 green | 000-255 | 0-100% |
| 39 | Plate pixel 10 blue | 000-255 | 0-100% |
| 40 | Plate pixel 11 red | 000-255 | 0-100% |
| 41 | Plate pixel 11 green | 000-255 | 0-100% |
| 42 | Plate pixel 11 blue | 000-255 | 0-100% |
| 43 | Plate pixel 12 red | 000-255 | 0-100% |
| 44 | Plate pixel 12 green | 000-255 | 0-100% |
| 45 | Plate pixel 12 blue | 000-255 | 0-100% |
| 46 | Plate pixel 13red | 000-255 | 0-100% |
| 47 | Plate pixel 13 green | 000-255 | 0-100% |
| 48 | Plate pixel 13 blue | 000-255 | 0-100% |
| 49 | Plate pixel 14 red | 000-255 | 0-100% |
| 50 | Plate pixel 14 green | 000-255 | 0-100% |
| 51 | Plate pixel 14 blue | 000-255 | 0-100% |

| | | | |
|----|---------------|---------|--------|
| 52 | Beam pixel 1 | 000-255 | 0-100% |
| 53 | Beam pixel 2 | 000-255 | 0-100% |
| 54 | Beam pixel 3 | 000-255 | 0-100% |
| 55 | Beam pixel 4 | 000-255 | 0-100% |
| 56 | Beam pixel 5 | 000-255 | 0-100% |
| 57 | Beam pixel 6 | 000-255 | 0-100% |
| 58 | Beam pixel 7 | 000-255 | 0-100% |
| 59 | Beam pixel 8 | 000-255 | 0-100% |
| 60 | Beam pixel 9 | 000-255 | 0-100% |
| 61 | Beam pixel 10 | 000-255 | 0-100% |
| 62 | Beam pixel 11 | 000-255 | 0-100% |
| 63 | Beam pixel 12 | 000-255 | 0-100% |
| 64 | Beam pixel 13 | 000-255 | 0-100% |
| 65 | Beam pixel 14 | 000-255 | 0-100% |
| 66 | Beam pixel 15 | 000-255 | 0-100% |

| | | | |
|----|---------------|---------|-------------|
| 67 | Beam pixel 16 | 000-255 | 0-100% |
| 68 | Beam pixel 17 | 000-255 | 0-100% |
| 69 | Beam pixel 18 | 000-255 | 0-100% |
| 70 | Beam pixel 19 | 000-255 | 0-100% |
| 71 | Beam pixel 20 | 000-255 | 0-100% |
| 72 | Beam pixel 21 | 000-255 | 0-100% |
| 73 | Beam pixel 22 | 000-255 | 0-100% |
| 74 | Beam pixel 23 | 000-255 | 0-100% |
| 75 | Beam pixel 24 | 000-255 | 0-100% |
| 76 | Beam pixel 25 | 000-255 | 0-100% |
| 77 | Beam pixel 26 | 000-255 | 0-100% |
| 78 | Beam pixel 27 | 000-255 | 0-100% |
| 79 | Beam pixel 28 | 000-255 | 0-100% |
| 80 | Beam FX | 000-005 | No function |
| | | 006-042 | Ramp up |

| | | | |
|----------------|---|---------|----------------------------------|
| | | 043-085 | Ramp down |
| | | 086-128 | Ramp up-down |
| | | 129-171 | Random |
| | | 172-214 | Lightning |
| | | 215-255 | Spikes |
| 81 82 83 | Plates foreground Plate foreground dimmer Plate background | 000-000 | No function |
| | | 001-002 | White(2700K) |
| | | 003-004 | White(3200K) |
| | | 005-006 | White(4200K) |
| | | 007-008 | White(5600K) |
| | | 009-010 | White(8000K) |
| | | 011 | Blue R:0 G:0 B:255 W:0 |
| | | 012-048 | Green+/Blue R:0 G:+ B:255 W:0 |
| | | 049 | Cyan R:0 G:255 B:255 W:0 |
| | | 050-086 | Green/Blue- R:0 G:255 B:- W:0 |

| | | | | | |
|--|--|---------|--------------------------|--------------|-------|
| | | 087 | Green B:0 | R:0 W:0 | G:255 |
| | | 088-124 | Red+/Green B:0 | R:+ W:0 | G:255 |
| | | 125 | Yellow B:0 | R:255 W:0 | G:255 |
| | | 126-162 | Red/Green- B:0 | R:255 W:0 | G:- |
| | | 163 | Red B:0 | R:255 W:0 | G:0 |
| | | 164-200 | Red/Blue+ B:+ | R:255 W:0 | G:0 |
| | | 201 | Magenta B:255 | R:255 W:0 | G:0 |
| | | 202-238 | Red-/Blue B:255 | R:- W:0 | G:0 |
| | | 239 | Blue B:255 | R:0 W:0 | G:0 |
| | | 240-247 | Color index,fast to slow | | |
| | | 248-255 | Color snap,fast to slow | | |
| | | 000-255 | 0-100% | | |
| | | 000-000 | No function | | |
| | | 001-002 | White(2700K) | | |
| | | 003-004 | White(3200K) | | |

| | | | |
|--|--|---------|----------------------------------|
| | | 005-006 | White(4200K) |
| | | 007-008 | White(5600K) |
| | | 009-010 | White(8000K) |
| | | 011 | Blue R:0 G:0 B:255 W:0 |
| | | 012-048 | Green+/Blue R:0 G:+ B:255 W:0 |
| | | 049 | Cyan R:0 G:255 B:255 W:0 |
| | | 050-086 | Green/Blue- R:0 G:255 B:- W:0 |
| | | 087 | Green R:0 G:255 B:0 W:0 |
| | | 088-124 | Red+/Green R:+ G:255 B:0 W:0 |
| | | 125 | Yellow R:255 G:255 B:0 W:0 |
| | | 126-162 | Red/Green- R:255 G:- B:0 W:0 |
| | | 163 | Red R:255 G:0 B:0 W:0 |
| | | 164-200 | Red/Blue+ R:255 G:0 B:+ W:0 |
| | | 201 | Magenta R:255 G:0 B:255 W:0 |
| | | 202-238 | Red-/Blue R:- G:0 B:255 W:0 |

| | | | |
|----|--|---------|---|
| | | 239 | Blue R:0 B:255 W:0 G:0 |
| | | 240-247 | Color index,fast to slow |
| | | 248-255 | Color snap,fast to slow |
| 84 | Plate background dimmer | 000-255 | 0-100% |
| 85 | Plate 1(pixels 1-7) | 000-002 | Plate FX All select(all on) see Plate Patterns |
| | FX select (see Pixel Mapping) | 003-255 | |
| 86 | Plate 1(pixels 1-7) FX movement speed & direction (see Pixel Mapping) | 000-005 | No function |
| | | 006-124 | Left to right,fast to slow |
| | | 125-130 | No function |
| | | 131-249 | Right to left,slow to fast |
| | | 250-255 | No function |
| 87 | Plate 1(pixels 1-7) | 000-002 | Snap from cell to cell |
| | FX crossfade (see Pixel Mapping) | 003-255 | Fade duration:short to long |
| 88 | Plate 2(pixels 8-14) | 000-002 | Plate FX All select(all on) see Plate Patterns |
| | FX select (see Pixel Mapping) | 003-255 | |

| | | | |
|----|---|---------|---|
| 89 | Plate 2(pixels 8-14) FX movement speed & direction (see Pixel Mapping) | 000-005 | No function |
| | | 006-124 | Left to right,fast to slow |
| | | 125-130 | No function |
| | | 131-249 | Right to left,slow to fast |
| | | 250-255 | No function |
| 90 | Plate 2(pixels 8-14) | 000-002 | Snap from cell to cell |
| | FX crossfade (see Pixel Mapping) | 003-255 | Fade duration:short to long |
| 91 | Beam 1(pixels 1-14) | 000-002 | Beam FX All select(all on) see Beam Patterns |
| | FX select (see Pixel Mapping) | 003-255 | |
| 92 | Beam 1(pixels 1-14) FX movement speed & direction (see Pixel Mapping) | 000-005 | No function |
| | | 006-124 | Left to right,fast to slow |
| | | 125-130 | No function |
| | | 131-249 | Right to left,slow to fast |
| | | 250-255 | No function |
| 93 | Beam 1(pixels 1-14) | 000-002 | Snap from cell to cell Fade duration:short to long |

| | | | |
|----|---|---------|---|
| | FX crossfade (see Pixel Mapping) | 003-255 | |
| 94 | Beam 2(pixels 15-28) FX select (see Pixel Mapping) | 000-002 | Beam FX All select(all on) see Beam Patterns |
| | | 003-255 | |
| 95 | Beam 2(pixels 15-28)FX movement speed & direction (see Pixel Mapping) | 000-005 | No function |
| | | 006-124 | Left to right,fast to slow |
| | | 125-130 | No function |
| | | 131-249 | Right to left,slow to fast |
| | | 250-255 | No function |
| 96 | Beam 2(pixels 15-28) FX crossfade (see Pixel Mapping) | 000-002 | Snap from cell to cell Fade duration:short to long |
| | | 003-255 | |
| 97 | Control* | 000-005 | No function |
| | | 006-010 | Off (dimmer mode) |
| | | 011-015 | Dimmer 1 |
| | | 016-020 | Dimmer 2 |
| | | 021-025 | Dimmer 3 |

| | | | |
|--|--|---------|--------------------|
| | | 026-030 | 600 Hz |
| | | 031-035 | 1200 Hz |
| | | 036-040 | 2000 Hz |
| | | 041-045 | 4000 Hz |
| | | 046-050 | 6000 Hz |
| | | 051-055 | 25 KHz |
| | | 056-060 | Fan mode auto |
| | | 060-065 | Fan mode on |
| | | 066-070 | Tilt reset |
| | | 071-075 | Plate 1 invert off |
| | | 076-080 | Plate 1 invert on |
| | | 081-085 | Plate 2 invert off |
| | | 086-090 | Plate 2 invert on |
| | | 091-095 | Beam 1 invert off |
| | | 096-100 | Beam 1 invert on |

| | | | |
|--|--|---------|-------------------|
| | | 101-105 | Beam 2 invert off |
| | | 106-110 | Beam 2 invert on |
| | | 111-115 | Plate swap on |
| | | 116-120 | Plate swap off |
| | | 121-125 | Beam swap on |
| | | 126-130 | Beam swap off |
| | | 131-255 | No function |

DMX 512 74CHs

| CH | Function | Value | Percent/Setting |
|----|---------------------|---------|----------------------------|
| 1 | Tilt | 000-255 | 0-100% |
| 2 | Fine tilt | 000-255 | 0-100% |
| 3 | Dimmer | 000-255 | 0-100% |
| 4 | Strobe | 000-009 | Open |
| | | 010-079 | Strobe,slow to fast |
| | | 080-149 | Pulse,slow to fast |
| | | 150-219 | Random Strobe,slow to fast |
| | | 220-255 | Open |
| 5 | Plate pixel 1 red | 000-255 | 0-100% |
| 6 | Plate pixel 1 green | 000-255 | 0-100% |
| 7 | Plate pixel 1 blue | 000-255 | 0-100% |
| 8 | Plate pixel 2 red | 000-255 | 0-100% |
| 9 | Plate pixel 2 green | 000-255 | 0-100% |

| | | | |
|----|----------------------|---------|--------|
| 10 | Plate pixel 2 blue | 000-255 | 0-100% |
| 11 | Plate pixel 3 red | 000-255 | 0-100% |
| 12 | Plate pixel 3 green | 000-255 | 0-100% |
| 13 | Plate pixel 3 blue | 000-255 | 0-100% |
| 14 | Plate pixel 4 red | 000-255 | 0-100% |
| 15 | Plate pixel 4 green | 000-255 | 0-100% |
| 16 | Plate pixel 4 blue | 000-255 | 0-100% |
| 17 | Plate pixel 5 red | 000-255 | 0-100% |
| 18 | Plate pixel 5 green | 000-255 | 0-100% |
| 19 | Plate pixel 5 blue | 000-255 | 0-100% |
| 20 | Plate pixel 6 red | 000-255 | 0-100% |
| 21 | Plate pixel 6 green | 000-255 | 0-100% |
| 22 | Plate pixel 6 blue | 000-255 | 0-100% |
| 23 | Plate pixel 7 red | 000-255 | 0-100% |
| 24 | Plate pixel 7 green | 000-255 | 0-100% |
| 25 | Plate pixel 7 blue | 000-255 | 0-100% |
| 26 | Plate pixel 8 red | 000-255 | 0-100% |
| 27 | Plate pixel 8 green | 000-255 | 0-100% |
| 28 | Plate pixel 8 blue | 000-255 | 0-100% |
| 29 | Plate pixel 9 red | 000-255 | 0-100% |
| 30 | Plate pixel 9 green | 000-255 | 0-100% |
| 31 | Plate pixel 9 blue | 000-255 | 0-100% |
| 32 | Plate pixel 10 red | 000-255 | 0-100% |
| 33 | Plate pixel 10 green | 000-255 | 0-100% |
| 34 | Plate pixel 10 blue | 000-255 | 0-100% |
| 35 | Plate pixel 11 red | 000-255 | 0-100% |
| 36 | Plate pixel 11 green | 000-255 | 0-100% |
| 37 | Plate pixel 11 blue | 000-255 | 0-100% |
| 38 | Plate pixel 12 red | 000-255 | 0-100% |

| | | | |
|----|----------------------|---------|--------|
| 39 | Plate pixel 12 green | 000-255 | 0-100% |
| 40 | Plate pixel 12 blue | 000-255 | 0-100% |
| 41 | Plate pixel 13red | 000-255 | 0-100% |
| 42 | Plate pixel 13 green | 000-255 | 0-100% |
| 43 | Plate pixel 13 blue | 000-255 | 0-100% |
| 44 | Plate pixel 14 red | 000-255 | 0-100% |
| 45 | Plate pixel 14 green | 000-255 | 0-100% |
| 46 | Plate pixel 14 blue | 000-255 | 0-100% |
| 47 | Beam pixel 1 | 000-255 | 0-100% |
| 48 | Beam pixel 2 | 000-255 | 0-100% |
| 49 | Beam pixel 3 | 000-255 | 0-100% |
| 50 | Beam pixel 4 | 000-255 | 0-100% |
| 51 | Beam pixel 5 | 000-255 | 0-100% |
| 52 | Beam pixel 6 | 000-255 | 0-100% |
| 53 | Beam pixel 7 | 000-255 | 0-100% |
| 54 | Beam pixel 8 | 000-255 | 0-100% |
| 55 | Beam pixel 9 | 000-255 | 0-100% |
| 56 | Beam pixel 10 | 000-255 | 0-100% |
| 57 | Beam pixel 11 | 000-255 | 0-100% |
| 58 | Beam pixel 12 | 000-255 | 0-100% |
| 59 | Beam pixel 13 | 000-255 | 0-100% |
| 60 | Beam pixel 14 | 000-255 | 0-100% |
| 61 | Beam pixel 15 | 000-255 | 0-100% |
| 62 | Beam pixel 16 | 000-255 | 0-100% |
| 63 | Beam pixel 17 | 000-255 | 0-100% |
| 64 | Beam pixel 18 | 000-255 | 0-100% |
| 65 | Beam pixel 19 | 000-255 | 0-100% |
| 66 | Beam pixel 20 | 000-255 | 0-100% |
| 67 | Beam pixel 21 | 000-255 | 0-100% |

| | | | |
|----|---------------|---------|--------|
| 68 | Beam pixel 22 | 000-255 | 0-100% |
| 69 | Beam pixel 23 | 000-255 | 0-100% |
| 70 | Beam pixel 24 | 000-255 | 0-100% |
| 71 | Beam pixel 25 | 000-255 | 0-100% |
| 72 | Beam pixel 26 | 000-255 | 0-100% |
| 73 | Beam pixel 27 | 000-255 | 0-100% |
| 74 | Beam pixel 28 | 000-255 | 0-100% |

DMX 512 30CHs

| CH | Function | Value | Percent/Setting |
|----|----------------------|---------|--|
| 1 | Tilt | 000-255 | 0-100% |
| 2 | Fine tilt | 000-255 | 0-100% |
| 3 | Master dimmer | 000-255 | 0-100% |
| 4 | Plate dimmer | 000-255 | 0-100% |
| 5 | Beam dimmer | 000-255 | 0-100% |
| 6 | Plate flash duration | 000-009 | Classic shutter mode:disables duration control |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% On,no flash/strobe |
| 7 | Plate flash rate | 000-009 | 100% |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% |
| 8 | Beam flash duration | 000-009 | Classic shutter mode:disables duration control |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% On,no flash/strobe |
| 9 | Beam flash rate | 000-009 | 100% |
| | | 010-250 | Slow to fast |

| | | | |
|---------|---------------------------------|---------|----------------------------------|
| | | 251-255 | 100% |
| 10 | Plates red | 000-255 | 0-100% |
| 11 | Plates green | 000-255 | 0-100% |
| 12 | Plates blue | 000-255 | 0-100% |
| 13 | Beam FX | 000-005 | No function |
| | | 006-042 | Ramp up |
| | | 043-085 | Ramp down |
| | | 086-128 | Ramp up-down |
| | | 129-171 | Random |
| | | 172-214 | Lightning |
| | | 215-255 | Spikes |
| 14 | Plates foreground | 000-000 | No function |
| | | 001-002 | White(2700K) |
| | | 003-004 | White(3200K) |
| | | 005-006 | White(4200K) |
| | | 007-008 | White(5600K) |
| | | 009-010 | White(8000K) |
| | | 011 | Blue R:0 G:0 B:255 W:0 |
| | | 012-048 | Green+/Blue R:0 G:+ B:255 W:0 |
| | | 049 | Cyan R:0 G:255 B:255 W:0 |
| | | 050-086 | Green/Blue- R:0 G:255 B:- W:0 |
| 087 | Green R:0 G:255 B:0 W:0 | | |
| 088-124 | Red+/Green R:+ G:255 B:0 W:0 | | |

| | | | | | | |
|----|--------------------------|---------|--------------------------|-------|-------|--|
| | | 125 | Yellow B:0 W:0 | R:255 | G:255 | |
| | | 126-162 | Red/Green- B:0 W:0 | R:255 | G:- | |
| | | 163 | Red B:0 W:0 | R:255 | G:0 | |
| | | 164-200 | Red/Blue+ B:+ W:0 | R:255 | G:0 | |
| | | 201 | Magenta B:255 W:0 | R:255 | G:0 | |
| | | 202-238 | Red-/Blue B:255 W:0 | R:- | G:0 | |
| | | 239 | Blue B:255 W:0 | R:0 | G:0 | |
| | | 240-247 | Color index,fast to slow | | | |
| | | 248-255 | Color snap,fast to slow | | | |
| 15 | Plates foreground dimmer | 000-255 | 0-100% | | | |
| 16 | Plates background | 000-000 | No function | | | |
| | | 001-002 | White(2700K) | | | |
| | | 003-004 | White(3200K) | | | |
| | | 005-006 | White(4200K) | | | |
| | | 007-008 | White(5600K) | | | |
| | | 009-010 | White(8000K) | | | |
| | | 011 | Blue B:255 W:0 | R:0 | G:0 | |
| | | 012-048 | Green+/Blue B:255 W:0 | R:0 | G:+ | |
| | | 049 | Cyan B:255 W:0 | R:0 | G:255 | |

| | | | |
|----|----------------------------------|---------|---|
| | | 050-086 | Green/Blue- R:0 G:255 B:- W:0 |
| | | 087 | Green R:0 G:255 B:0 W:0 |
| | | 088-124 | Red+/Green R:+ G:255 B:0 W:0 |
| | | 125 | Yellow R:255 G:255 B:0 W:0 |
| | | 126-162 | Red/Green- R:255 G:- B:0 W:0 |
| | | 163 | Red R:255 G:0 B:0 W:0 |
| | | 164-200 | Red/Blue+ R:255 G:0 B:+ W:0 |
| | | 201 | Magenta R:255 G:0 B:255 W:0 |
| | | 202-238 | Red-/Blue R:- G:0 B:255 W:0 |
| | | 239 | Blue R:0 G:0 B:255 W:0 |
| | | 240-247 | Color index,fast to slow |
| | | 248-255 | Color snap,fast to slow |
| 17 | Plates background dimmer | 000-255 | 0-100% |
| 18 | Plate 1(pixels 1-7) | 000-002 | Plate FX All select(all on) see Plate Patterns |
| | FX select (see Pixel Mapping) | 003-255 | |
| 19 | Plate 1(pixels 1-7) | 000-005 | No function |
| | FX movement | 006-124 | Left to right,fast to slow |
| | speed & direction | 125-130 | No function |

| | | | |
|----|---|---------|---|
| | (see Pixel Mapping) | 131-249 | Right to left,slow to fast |
| | | 250-255 | No function |
| 20 | Plate 1(pixels 1-7) | 000-002 | Snap from cell to cell |
| | FX crossfade (see Pixel Mapping) | 003-255 | Fade duration:short to long |
| 21 | Plate 2(pixels 8-14) | 000-002 | Plate FX All select(all on) see Plate Patterns |
| | FX select (see Pixel Mapping) | 003-255 | |
| 22 | Plate 2(pixels 8-14) FX movement speed & direction (see Pixel Mapping) | 000-005 | No function |
| | | 006-124 | Left to right,fast to slow |
| | | 125-130 | No function |
| | | 131-249 | Right to left,slow to fast |
| | | 250-255 | No function |
| 23 | Plate 2(pixels 8-14) | 000-002 | Snap from cell to cell |
| | FX crossfade (see Pixel Mapping) | 003-255 | Fade duration:short to long |
| 24 | Beam 1(pixels 1-14) | 000-002 | Beam FX All select(all on) see Beam Patterns |
| | FX select (see Pixel Mapping) | 003-255 | |
| 25 | Beam 1(pixels 1-14) FX movement speed & direction (see Pixel Mapping) | 000-005 | No function |
| | | 006-124 | Left to right,fast to slow |
| | | 125-130 | No function |
| | | 131-249 | Right to left,slow to fast |
| | | 250-255 | No function |
| 26 | Beam 1(pixels 1-14) | 000-002 | Snap from cell to cell |
| | FX crossfade (see Pixel Mapping) | 003-255 | Fade duration:short to long |
| 27 | Beam 2(pixels 15-28) FX select (see Pixel Mapping) | 000-002 | Beam FX All select(all on) see Beam Patterns |
| | | 003-255 | |

| | | | |
|---------|---|---------|---|
| 28 | Beam 2(pixels 15-28)FX movement speed & direction (see Pixel Mapping) | 000-005 | No function |
| | | 006-124 | Left to right,fast to slow |
| | | 125-130 | No function |
| | | 131-249 | Right to left,slow to fast |
| | | 250-255 | No function |
| 29 | Beam 2(pixels 15-28) FX crossfade (see Pixel Mapping) | 000-002 | Snap from cell to cell Fade duration:short to long |
| | | 003-255 | |
| 30 | Control* | 000-005 | No function |
| | | 006-010 | Off (dimmer mode) |
| | | 011-015 | Dimmer 1 |
| | | 016-020 | Dimmer 2 |
| | | 021-025 | Dimmer 3 |
| | | 026-030 | 600 Hz |
| | | 031-035 | 1200 Hz |
| | | 036-040 | 2000 Hz |
| | | 041-045 | 4000 Hz |
| | | 046-050 | 6000 Hz |
| | | 051-055 | 25 KHz |
| | | 056-060 | Fan mode auto |
| | | 060-065 | Fan mode on |
| | | 066-070 | Tilt reset |
| | | 071-075 | Plate 1 invert off |
| | | 076-080 | Plate 1 invert on |
| | | 081-085 | Plate 2 invert off |
| | | 086-090 | Plate 2 invert on |
| | | 091-095 | Beam 1 invert off |
| | | 096-100 | Beam 1 invert on |
| 101-105 | Beam 2 invert off | | |

| | | | |
|--|--|---------|------------------|
| | | 106-110 | Beam 2 invert on |
| | | 111-115 | Plate swap on |
| | | 116-120 | Plate swap off |
| | | 121-125 | Beam swap on |
| | | 126-130 | Beam swap off |
| | | 131-255 | No function |

DMX 512 24CHs

| CH | Function | Value | Percent/Setting |
|----|----------------------|---------|--|
| 1 | Tilt | 000-255 | 0-100% |
| 2 | Fine tilt | 000-255 | 0-100% |
| 3 | Master dimmer | 000-255 | 0-100% |
| 4 | Plate dimmer | 000-255 | 0-100% |
| 5 | Beam dimmer | 000-255 | 0-100% |
| 6 | Plate flash duration | 000-009 | Classic shutter mode:disables duration control |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% On,no flash/strobe |
| 7 | Plate flash rate | 000-009 | 100% |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% |
| 8 | Beam flash duration | 000-009 | Classic shutter mode:disables duration control |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% On,no flash/strobe |
| 9 | Beam flash rate | 000-009 | 100% |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% |

| | | | |
|---------|---------------------------------|---------|----------------------------------|
| 10 | Plates red | 000-255 | 0-100% |
| 11 | Plates green | 000-255 | 0-100% |
| 12 | Plates blue | 000-255 | 0-100% |
| 13 | Beam FX | 000-005 | No function |
| | | 006-042 | Ramp up |
| | | 043-085 | Ramp down |
| | | 086-128 | Ramp up-down |
| | | 129-171 | Random |
| | | 172-214 | Lightning |
| | | 215-255 | Spikes |
| 14 | Plates foreground | 000-000 | No function |
| | | 001-002 | White(2700K) |
| | | 003-004 | White(3200K) |
| | | 005-006 | White(4200K) |
| | | 007-008 | White(5600K) |
| | | 009-010 | White(8000K) |
| | | 011 | Blue R:0 G:0 B:255 W:0 |
| | | 012-048 | Green+/Blue R:0 G:+ B:255 W:0 |
| | | 049 | Cyan R:0 G:255 B:255 W:0 |
| | | 050-086 | Green/Blue- R:0 G:255 B:- W:0 |
| | | 087 | Green R:0 G:255 B:0 W:0 |
| 088-124 | Red+/Green R:+ G:255 B:0 W:0 | | |
| 125 | Yellow R:255 G:255 B:0 W:0 | | |

| | | | | | | |
|---------|-----------------------------|---------|--------------------------|--------------|--------------|-------|
| | | 126-162 | Red/Green- B:0 | R:255 W:0 | G:- | |
| | | 163 | Red B:0 | W:0 | R:255 G:0 | |
| | | 164-200 | Red/Blue+ B:+ | W:0 | R:255 G:0 | |
| | | 201 | Magenta B:255 | W:0 | R:255 G:0 | |
| | | 202-238 | Red-/Blue B:255 | W:0 | R:- G:0 | |
| | | 239 | Blue B:255 | W:0 | R:0 G:0 | |
| | | 240-247 | Color index,fast to slow | | | |
| | | 248-255 | Color snap,fast to slow | | | |
| 15 | Plates foreground dimmer | 000-255 | 0-100% | | | |
| 16 | Plates background | 000-000 | No function | | | |
| | | 001-002 | White(2700K) | | | |
| | | 003-004 | White(3200K) | | | |
| | | 005-006 | White(4200K) | | | |
| | | 007-008 | White(5600K) | | | |
| | | 009-010 | White(8000K) | | | |
| | | 011 | Blue B:255 | W:0 | R:0 | G:0 |
| | | 012-048 | Green+/Blue B:255 | W:0 | R:0 | G:+ |
| | | 049 | Cyan B:255 | W:0 | R:0 | G:255 |
| 050-086 | Green/Blue- B:- | W:0 | R:0 | G:255 | | |

| | | | | | | |
|----|---|---------|---|-------|-------|--|
| | | 087 | Green B:0 W:0 | R:0 | G:255 | |
| | | 088-124 | Red+/Green B:0 W:0 | R:+ | G:255 | |
| | | 125 | Yellow B:0 W:0 | R:255 | G:255 | |
| | | 126-162 | Red/Green- B:0 W:0 | R:255 | G:- | |
| | | 163 | Red B:0 W:0 | R:255 | G:0 | |
| | | 164-200 | Red/Blue+ B:+ W:0 | R:255 | G:0 | |
| | | 201 | Magenta B:255 W:0 | R:255 | G:0 | |
| | | 202-238 | Red-/Blue B:255 W:0 | R:- | G:0 | |
| | | 239 | Blue B:255 W:0 | R:0 | G:0 | |
| | | 240-247 | Color index,fast to slow | | | |
| | | 248-255 | Color snap,fast to slow | | | |
| 17 | Plates background dimmer | 000-255 | 0-100% | | | |
| 18 | Plates 1 & 2 | 000-002 | Plate FX All select(all on) see Plate Patterns | | | |
| | FX select (see Pixel Mapping) | 003-255 | | | | |
| 19 | Plates 1 & 2 FX movement speed & direction (see Pixel Mapping) | 000-005 | No function | | | |
| | | 006-124 | Left to right,fast to slow | | | |
| | | 125-130 | No function | | | |
| | | 131-249 | Right to left,slow to fast | | | |
| | | 250-255 | No function | | | |

| | | | |
|---------|--|---------|---|
| 20 | Plates 1&2 | 000-002 | Snap from cell to cell |
| | FX crossfade (see Pixel Mapping) | 003-255 | Fade duration:short to long |
| 21 | Beams 1&2 | 000-002 | Beam FX All select(all on) see Beam Patterns |
| | FX select (see Pixel Mapping) | 003-255 | |
| 22 | Beams 1&2 FX movement speed & direction (see Pixel Mapping) | 000-005 | No function |
| | | 006-124 | Left to right,fast to slow |
| | | 125-130 | No function |
| | | 131-249 | Right to left,slow to fast |
| | | 250-255 | No function |
| 23 | Beams 1&2 | 000-002 | Snap from cell to cell Fade duration:short to long |
| | FX crossfade (see Pixel Mapping) | 003-255 | |
| 24 | Control* | 000-005 | No function |
| | | 006-010 | Off (dimmer mode) |
| | | 011-015 | Dimmer 1 |
| | | 016-020 | Dimmer 2 |
| | | 021-025 | Dimmer 3 |
| | | 026-030 | 600 Hz |
| | | 031-035 | 1200 Hz |
| | | 036-040 | 2000 Hz |
| | | 041-045 | 4000 Hz |
| | | 046-050 | 6000 Hz |
| | | 051-055 | 25 KHz |
| | | 056-060 | Fan mode auto |
| | | 060-065 | Fan mode on |
| | | 066-070 | Tilt reset |
| 071-075 | Plate 1 invert off | | |

| | | | |
|--|--|---------|--------------------|
| | | 076-080 | Plate 1 invert on |
| | | 081-085 | Plate 2 invert off |
| | | 086-090 | Plate 2 invert on |
| | | 091-095 | Beam 1 invert off |
| | | 096-100 | Beam 1 invert on |
| | | 101-105 | Beam 2 invert off |
| | | 106-110 | Beam 2 invert on |
| | | 111-115 | Plate swap on |
| | | 116-120 | Plate swap off |
| | | 121-125 | Beam swap on |
| | | 126-130 | Beam swap off |
| | | 131-255 | No function |

DMX 512 13CHs

| CH | Function | Value | Percent/Setting |
|----|----------------------|---------|--|
| 1 | Tilt | 000-255 | 0-100% |
| 2 | Fine tilt | 000-255 | 0-100% |
| 3 | Plate dimmer | 000-255 | 0-100% |
| 4 | Beam dimmer | 000-255 | 0-100% |
| 5 | Plate flash duration | 000-009 | Classic shutter mode:disables duration control |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% On,no flash/strobe |
| 6 | Plate flash rate | 000-009 | 100% |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% |

| | | | |
|----|---------------------|---------|--|
| 7 | Beam flash duration | 000-009 | Classic shutter mode:disables duration control |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% On,no flash/strobe |
| 8 | Beam flash rate | 000-009 | 100% |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% |
| 9 | Plates red | 000-255 | 0-100% |
| 10 | Plates green | 000-255 | 0-100% |
| 11 | Plates blue | 000-255 | 0-100% |
| 12 | Beam FX | 000-005 | No function |
| | | 006-042 | Ramp up |
| | | 043-085 | Ramp down |
| | | 086-128 | Ramp up-down |
| | | 129-171 | Random |
| | | 172-214 | Lightning |
| | | 215-255 | Spikes |
| 13 | Control* | 000-005 | No function |
| | | 006-010 | Off (dimmer mode) |
| | | 011-015 | Dimmer 1 |
| | | 016-020 | Dimmer 2 |
| | | 021-025 | Dimmer 3 |
| | | 026-030 | 600 Hz |
| | | 031-035 | 1200 Hz |
| | | 036-040 | 2000 Hz |
| | | 041-045 | 4000 Hz |
| | | 046-050 | 6000 Hz |
| | | 051-055 | 25 KHz |
| | | 056-060 | Fan mode auto |

| | | | |
|--|--|---------|--------------------|
| | | 060-065 | Fan mode on |
| | | 066-070 | Tilt reset |
| | | 071-075 | Plate 1 invert off |
| | | 076-080 | Plate 1 invert on |
| | | 081-085 | Plate 2 invert off |
| | | 086-090 | Plate 2 invert on |
| | | 091-095 | Beam 1 invert off |
| | | 096-100 | Beam 1 invert on |
| | | 101-105 | Beam 2 invert off |
| | | 106-110 | Beam 2 invert on |
| | | 111-115 | Plate swap on |
| | | 116-120 | Plate swap off |
| | | 121-125 | Beam swap on |
| | | 126-130 | Beam swap off |
| | | 131-255 | No function |

DMX 512 11CHs

| CH | Function | Value | Percent/Setting |
|----|----------------------|---------|--|
| 1 | Tilt | 000-255 | 0-100% |
| 2 | Fine tilt | 000-255 | 0-100% |
| 3 | Dimmer | 000-255 | 0-100% |
| 4 | Plate flash duration | 000-009 | Classic shutter mode:disables duration control |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% On,no flash/strobe |
| 5 | Plate flash rate | 000-009 | 100% |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% |

| | | | |
|----|---------------------|---------|--|
| 6 | Beam flash duration | 000-009 | Classic shutter mode:disables duration control |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% On,no flash/strobe |
| 7 | Beam flash rate | 000-009 | 100% |
| | | 010-250 | Slow to fast |
| | | 251-255 | 100% |
| 8 | Plates red | 000-255 | 0-100% |
| 9 | Plates green | 000-255 | 0-100% |
| 10 | Plates blue | 000-255 | 0-100% |
| 11 | Beam | 000-255 | 0-100% |

DMX 512 8CHs

| CH | Function | Value | Percent/Setting |
|----|-----------|---------|----------------------------|
| 1 | Tilt | 000-255 | 0-100% |
| 2 | Fine tilt | 000-255 | 0-100% |
| 3 | Dimmer | 000-255 | 0-100% |
| 4 | Strobe | 000-009 | Open |
| | | 010-079 | Strobe,slow to fast |
| | | 080-149 | Pulse,slow to fast |
| | | 150-219 | Random Strobe,slow to fast |
| | | 220-255 | Open |
| 5 | Red | 000-255 | 0-100% |
| 6 | Green | 000-255 | 0-100% |
| 7 | Blue | 000-255 | 0-100% |
| 8 | Beam | 000-255 | 0-100% |

5. Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

a. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

b. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

6. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- **Clean with soft cloth using normal glass cleaning fluid.**
- **Always dry the parts carefully.**
- **Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.**