

# User manual

## Color Strike M



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



## Content

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Every unit is tested completely and packed properly by the manufacturer. Please make sure the packing and / or the unit are in good condition before installation and use. Should there be any damage caused by transportation, consult your dealer and do not use the unit. Any damage caused by improper use will not be assumed by the manufacturer and / or dealer.

**Please note that as part of our ongoing commitment to continuous product development, specifications are subject to change without notice.**

## ACCESSAORIES

These items are packed together with the light::

| Name         | Quantity | Unit | Remarks |
|--------------|----------|------|---------|
| clamps       | 2        | Pcs  |         |
| Safety cord  | 2        | Pcs  |         |
| Using manual | 1        | Pcs  |         |

## Safety instructions

When unpacking and before disposing of the carton check there is no transportation damage before using the light. Should there be any damage caused by transportation, consult your dealer and do not use the apparatus.

The projector is for indoor and outdoor use, IP65.

Do not install the fixtures onto inflammable surfaces directly.



The fixture is only intended for installation, operation and maintenance by qualified personnel.

Do not project the beam onto inflammable surfaces, minimum distance is 3meter. 3m

Avoid direct exposure to the light from the lamp. The light is harmful to the eye.

Do not attempt to dismantle and/or modify the projector in any way.

Electrical connection must only be carried out by qualified personnel.

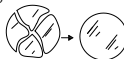
Before installation, ensure that the voltage and frequency of power supply match the power requirements of the fixture.

It is essential that each projector is correctly earthed and that electrical installation conforms to all relevant standards.

Do not connect this device to any other types of dimmer apparatus.

The projector should always be installed with a secondary safety fixing. A safety cord is supplied for this; it should be attached as shown in “installing the projector” section.

Shields and lens shall be changed if they have become visibly damaged to such an extent than their effectiveness is impaired, for



example by cracks or deep scratches.

Exterior surface temperatures of the luminaire after 5 minutes operation is 45°C, when steady state is achieved 70°C

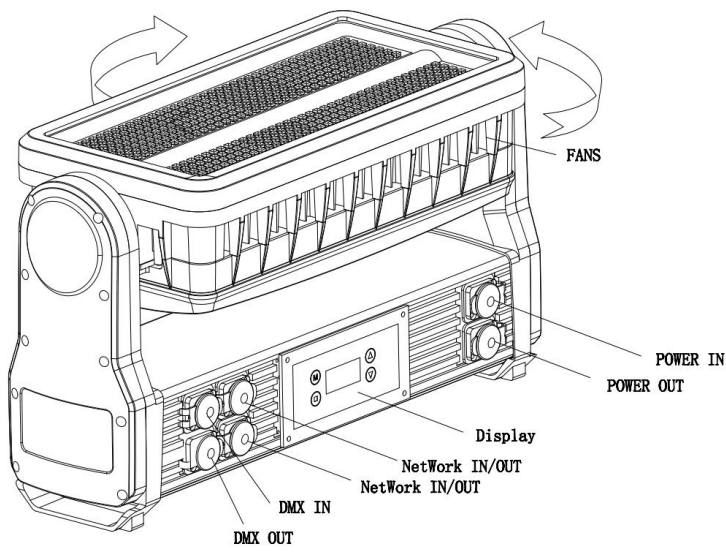
There is no user serviceable parts inside the projector, do not open the housing and never operate the fixture with the covers removed.

If you have any questions, don't hesitate to consult your dealer or manufacturer.

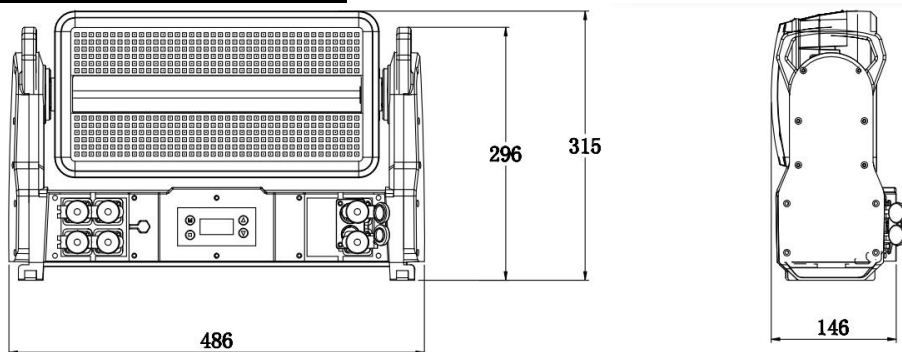
**Always disconnection from Power before the device's installation,  
cleaning and maintenance!**

# INSTALLATIONS

## Product Overview



## Product Dimensions



## Safety Informations



**WARNING!** Read the safety precautions in this section before unpacking, installing, powering or operating this product.

This luminaries are multi-environmental fixtures with an IP-rating of 65, intended for professional use only. They are not suitable for household use.

Review the following safety precautions carefully before installing or operating the fixture. This fixture must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the fixture and the hazards involved.

### Preventing electric shock



**WARNING!** *Risk of electric shock.*

- Always power off/unplug the fixture before removing any covers.
- Ensure that the power is turned off when connecting the fixture to the AC mains supply.
- Ensure that the fixture is electrically connected to earth (ground).
- Do not apply power if the fixture is in any way damaged.
- Do not immerse the fixture in water or liquid.

## Preventing burns and fire



**WARNING!** *Take measures to prevent burns and fire.*

- Install in a location that prevents accidental contact with the fixture.
  - Install only in a well-ventilated space.
  - Install at least 0.3 m (12 in.) away from objects to be illuminated.
  - Install only in accordance with applicable building codes.
  - Ensure a minimum clearance of 0.1 m (4 in.) around the cooling fans.
  - Do not paint, cover or modify the fixture.
  - Keep all flammable materials away from the fixture.
  - Allow the fixture to cool for 15 minutes after operation, before touching it.
- **CAUTION:** Exterior surface temperature after 5 min. operation = 45 °C (113 °F). Steady state = 60 °C (140 °F).

## Avoid personal injury



**WARNING!** *Take measure to prevent personal injury.*

- Do not look directly at the light source from close range.
- Take precautions to prevent injury due to falls when working at height.
- For permanent installation, ensure that the fixture is securely fastened to a load-bearing surface with suitable corrosion-resistant hardware.
- For temporary installation with clamps, ensure that the quarter-turn fasteners are turned fully and secured with a suitable safety cable. The cable must be approved for a safe working load (SWL) of 10 times the weight of the fixture, and it must have a minimum gauge of 3 mm.

## Preparing for installation

Unpack the fixture and inspect it to ensure that it has not been damaged during transport.

The fixture is shipped with two quarter-turn brackets, that can be used to mount the fixture at elevation.

The fixture is IP65-rated, and is designed for use in wet locations. This means that it is protected from:

- Dust, to the degree that dust cannot enter the fixture in sufficient quantities as to interfere with its operation.
- Lower pressure jets of water from any direction.

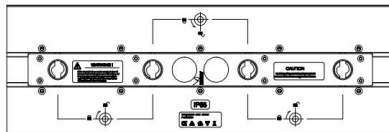
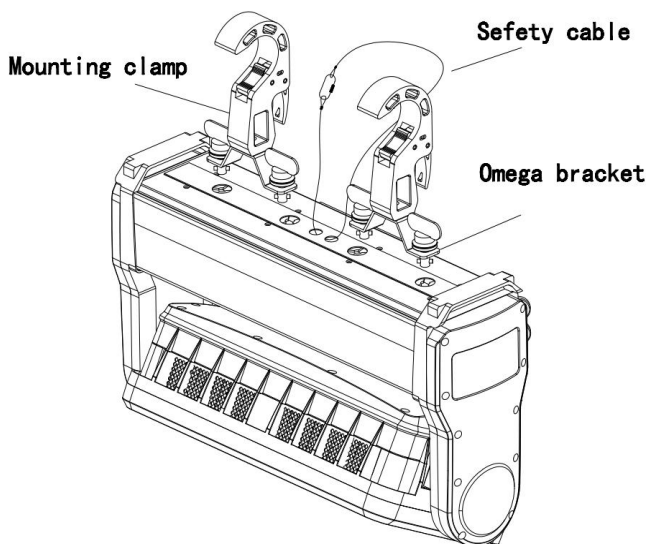
When selecting a location for the fixture, ensure that:

- It is situated away from public thoroughfares and protected from contact with people.
- It is not immersed in water or exposed to high-pressure water jets.
- It has adequate ventilation.



# Installation

The fixture may be installed in any orientation, but if installed horizontally with a downward beam-angle, water can potentially pool in the fan wells. Under normal operation the moisture will evaporate. However, in locations with high rainfall, you may wish to fabricate a rain shield above the fixture, or modify the position and orientation of the fixture to minimize pooling.



Two quarter-turn brackets are supplied with the fixture if it is to be flown above the ground. Rig the fixture to a support truss or structure using the supplied brackets and suitable clamps.

Fasten a safety cable (not shown) between the support structure and the attachment point on the fixture. The safety cable must be able to bear at least 10 times the weight of the fixture.

## Connecting AC Power

The fixture can operate on any 100–240 V, 50/60 Hz AC mains power supply. It draws approximately 2 amps at full power. For permanent installation, have a qualified electrician wire the mains cable directly to a suitable branch circuit. The junction's ingress protection (IP) rating must be suitable for the location. For temporary installation, the mains cable may be fitted with a grounded connector intended for exterior use.

When installing standard type C circuit breakers there will be no limitations due to the fixture in-rush current. Due to the nominal current of the fixture, ensure that no more than:

4 fixtures are connected through the same type C, 10A circuit breaker.

7 fixtures are connected through the same type C, 16A circuit breaker.

The fixture must be grounded/earthed and be able to be isolated from AC power. The AC power supply must incorporate a fuse or circuit breaker for fault protection.

After connecting the fixture to power, run the on-board test, using the "Fixture Text" menu, to ensure that the fixture and each LED are functioning correctly. See "Control menu" on page 13.

**CAUTION:** Do not open the fixture to replace the supplied power cable, or connect the fixture to an electrical dimmer system, as this can damage i

## Configuring the fixture

Set up the fixture using the control panel and LCD display at the arm side of the fixture.

Navigate the menus and options using the arrow buttons and select items using the Enter button. The options available are listed in "Control menu" on page 13. After powering on, the display shows the currently selected operating mode and other information.

The fixture is set by default to be controlled in DMX mode.

### **Master/Slave configuration**

You can set a fixture to operate as master fixture to another fixture (which then becomes a slave fixture), or an entire group of fixtures (which then becomes slave fixtures). The assigned slave fixture(s) will mimic the settings of the master fixture. Use the "Auto Program -> Auto Color / Auto Fade" menu to set your fixture as master fixture, then other fixtures set to DMX mode as slave fixture.

### ***Setting a static color manually***

The fixture can be configured to display a predefined and static color using the "Manual Color" (see "Control menu" on page 13).

It may suit your needs when you without a DMX controller to do the color mixing.

### ***Using stand-alone operation***

Stand-alone operation is where the fixture is not connected to a control device, but is preprogrammed with 2 modes (Auto Color, Auto Fade), that play continuously in a loop, the run speed of "Auto Color", "Auto Fade" are adjustable.

To define a stand-alone program, use the "Auto Program" menus (see "Control menu" on page 13).

## Connecting to a DMX control device

The fixture is controllable using a DMX control device and it can be connected using a DMX cable.

If using a cabled DMX system, connect the DMX in cable (with male 3-pin XLR plug) and out cable (with female 3-pin XLR plug) to the DMX data link. Terminate the DMX out cable of the last fixture in the data link. For outdoor installations, use only IP-rated XLR connectors suitable for outdoor use.

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 (+)

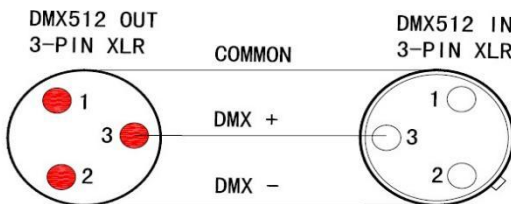
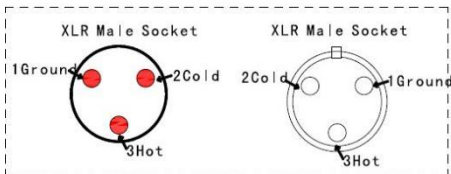


Figure2



### XLR Pin Configuration

|                                 |
|---------------------------------|
| pin1=Ground                     |
| pin2=Data Compliment (negative) |
| pin3=Data true (positive)       |

# Configuring the fixture for DMX control

## About DMX

The fixture can be controlled using signals sent by a DMX controller on a number of channels (which varies depending on the DMX mode that has been set).

The first channel used to receive data from a DMX control device is known as the DMX start address. Each fixture must have a DMX start address set. For example, if a fixture has a DMX address of 10 and it is in 4-channel DMX mode, then it uses channels 10, 11, 12 and 13. The following fixture in the DMX chain could then be set to a DMX address of 14. If two or more DMX fixtures of the same type have the same DMX address, then they will mimic each other's behaviour. Incorrect settings will result in unpredictable responses to the lighting controller.

## Setting the DMX address

The DMX address can be seen on the main screen. To change the address setting, press the up arrow to increase the address, or the down arrow to decrease the setting. When the desired address is displayed, press Enter to save the setting.

Note that channel spacing is determined by the DMX mode.

See the "DMX protocols" on page 11 for specific DMX control values.

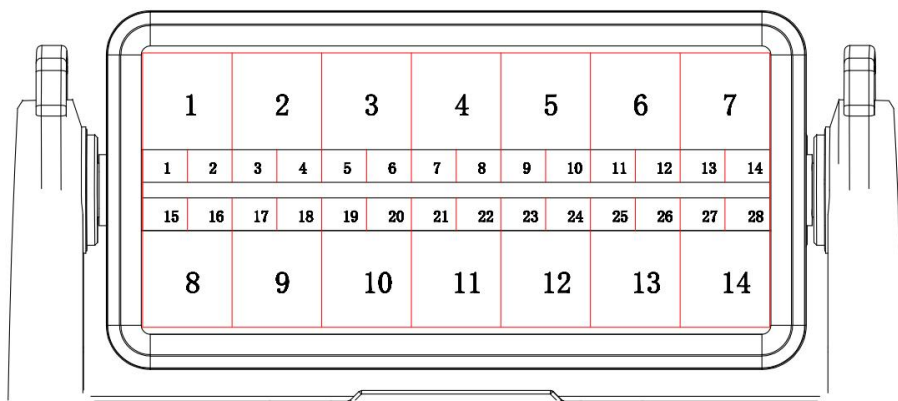
## Setting the DMX mode

Using the "DMX Channel Mode" menu available from the control panel, specify the DMX mode that provides the fixture controls that you require, confirm chosen mode by pressing 'Enter'.

## Cleaning

To maintain optimal performance, regular cleaning is essential. Cleaning schedules will vary depending on the operating environment, and the installation should therefore be checked at frequent intervals within the first few weeks of operation to see whether cleaning is necessary. This procedure will allow you to assess cleaning requirements in your particular situation. Clean the fixture using a soft cloth dampened with a solution of water and a mild detergent. Do not use products that contain solvents, abrasives or caustic agents for cleaning, as they can cause damage to both hardware, cables and connectors.

# DMX protocols



## 8CH

| Channel | 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%                      |

## 11CH

| Channel | 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% on                                         |
| 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%                                          |

## 13CH

| Channel | 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% on                                         |



| Channel | Function     | Value     | Percent/Setting        |
|---------|--------------|-----------|------------------------|
| 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 (dimmer mode) |
|         |              | 016 ⇄ 020 | Dimmer 2 (dimmer mode) |
|         |              | 021 ⇄ 025 | Dimmer 3 (dimmer mode) |
|         |              | 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          |
|         |              | 061 ⇄ 065 | Fan mode on            |
|         |              | 066 ⇄ 070 | Tilt reset             |
|         |              | 071 ⇄ 075 | Plate1 invert off      |
|         |              | 076 ⇄ 080 | Plate1 invert on       |
|         |              | 081 ⇄ 085 | Plate2 invert off      |
|         |              | 086 ⇄ 090 | Plate2 invert on       |
|         |              | 091 ⇄ 095 | Beam1 invert off       |
|         |              | 096 ⇄ 100 | Beam1 invert on        |
|         |              | 101 ⇄ 105 | Beam2 invert off       |
|         |              | 106 ⇄ 110 | Beam2 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            |

## 24CH

| Channel | 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% on                                         |
| 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- 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                        |

| Channel | Function                                                                           | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Percent/Setting |
|---------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 15      | Plates foreground dimmer                                                           | 000 ⇔ 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0–100%          |
| 16      | Plates background                                                                  | 000 ⇔ 000 No function<br>001 ⇔ 002 White (2700K)<br>003 ⇔ 004 White (3200K)<br>005 ⇔ 006 White (4200K)<br>007 ⇔ 008 White (5600K)<br>009 ⇔ 010 White (8000K)<br>011 Blue R: 0 G: 0 B: 255 W: 0<br>012 ⇔ 048 Green+ / Blue R: 0 G: + B: 255 W: 0<br>049 Cyan R: 0 G: 255 B: 255 W: 0<br>050 ⇔ 086 Green / Blue- R: 0 G: 255 B: - W: 0<br>087 Green R: 0 G: 255 B: 0 W: 0<br>088 ⇔ 124 Red+ / Green R: + G: 255 B: 0 W: 0<br>125 Yellow R: 255 G: 255 B: 0 W: 0<br>126 ⇔ 162 Red / Green- R: 255 G: - B: 0 W: 0<br>163 Red R: 255 G: 0 B: 0 W: 0<br>164 ⇔ 200 Red / Blue+ R: 255 G: 0 B: + W: 0<br>201 Magenta R: 255 G: 0 B: 255 W: 0<br>202 ⇔ 238 Red- / Blue R: - G: 0 B: 255 W: 0<br>239 Blue R: 0 G: 0 B: 255 W: 0<br>240 ⇔ 247 Color index, fast to slow<br>248 ⇔ 255 Color snap, fast to slow |                 |
| 17      | Plates background dimmer                                                           | 000 ⇔ 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0–100%          |
| 18      | Plates 1 & 2 FX select<br>(see <a href="#">Pixel Mapping</a> )                     | 000 ⇔ 002 Plate FX All select (all on)<br>003 ⇔ 255 see <a href="#">Plate Patterns</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |
| 19      | Plates 1 & 2 FX movement speed & direction<br>(see <a href="#">Pixel Mapping</a> ) | 000 ⇔ 005 No function<br>006 ⇔ 124 Left to right, fast to slow<br>125 ⇔ 130 No function<br>131 ⇔ 249 Right to left, slow to fast<br>250 ⇔ 255 No function                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |
| 20      | Plates 1 & 2 FX crossfade<br>(see <a href="#">Pixel Mapping</a> )                  | 000 ⇔ 002 Snap from cell to cell<br>003 ⇔ 255 Fade duration: short to long                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |
| 21      | Beams 1 & 2 FX select                                                              | 000 ⇔ 002 Beam FX All select (all on)<br>003 ⇔ 255 see <a href="#">Beam Patterns</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| 22      | Beams 1 & 2 FX movement speed & direction<br>(see <a href="#">Pixel Mapping</a> )  | 000 ⇔ 005 No function<br>006 ⇔ 124 Left to right, fast to slow<br>125 ⇔ 130 No function<br>131 ⇔ 249 Right to left, slow to fast<br>250 ⇔ 255 No function                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |
| 23      | Beams 1 & 2 FX crossfade<br>(see <a href="#">Pixel Mapping</a> )                   | 000 ⇔ 002 Snap from cell to cell<br>003 ⇔ 255 Fade duration: short to long                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |

| Channel | Function | Value     | Percent/Setting   |
|---------|----------|-----------|-------------------|
| 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     |
|         |          | 061 ⇄ 065 | Fan mode on       |
|         |          | 066 ⇄ 070 | Tilt reset        |
|         |          | 071 ⇄ 075 | Plate1 invert off |
|         |          | 076 ⇄ 080 | Plate1 invert on  |
|         |          | 081 ⇄ 085 | Plate2 invert off |
|         |          | 086 ⇄ 090 | Plate2 invert on  |
|         |          | 091 ⇄ 095 | Beam1 invert off  |
|         |          | 096 ⇄ 100 | Beam1 invert on   |
|         |          | 101 ⇄ 105 | Beam2 invert off  |
|         |          | 106 ⇄ 110 | Beam2 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       |

## 74CH

| Channel | 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 13 red   | 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%                      |



| Channel | Function             | Value     | Percent/Setting |
|---------|----------------------|-----------|-----------------|
| 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%          |

## 97CH

| Channel | 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% on                                         |
| 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%                                          |

| Channel | Function             | Value                                                                                                                                                      | Percent/Setting |
|---------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 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 13 red   | 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<br>006 ⇄ 042 Ramp up<br>043 ⇄ 085 Ramp down<br>086 ⇄ 128 Ramp up-down<br>129 ⇄ 171 Random<br>172 ⇄ 214 Lightning<br>215 ⇄ 255 Spikes |                 |



| Channel | Function                                                                  | Value     | Percent/Setting                     |
|---------|---------------------------------------------------------------------------|-----------|-------------------------------------|
| 81      | 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- 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            |
| 82      | Plate foreground dimmer                                                   | 000 ⇔ 255 | 0–100%                              |
| 83      | 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 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 G: 0 B: 255 W: 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)<br>FX select<br>(see <a href="#">Pixel Mapping</a> ) | 000 ⇔ 002 | Plate FX All select (all on)        |
|         |                                                                           | 003 ⇔ 255 | see <a href="#">Plate Patterns</a>  |

| Channel | Function                                                                                                   | Value     | Percent/Setting                    |
|---------|------------------------------------------------------------------------------------------------------------|-----------|------------------------------------|
| 86      | <b>Plate 1 (pixels 1–7)<br/>FX movement speed &amp; direction</b><br>(see <a href="#">Pixel Mapping</a> )  | 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      | <b>Plate 1 (pixels 1–7)<br/>FX crossfade</b><br>(see <a href="#">Pixel Mapping</a> )                       | 000 ⇄ 002 | Snap from cell to cell             |
|         |                                                                                                            | 003 ⇄ 255 | Fade duration: short to long       |
| 88      | <b>Plate 2 (pixels 8–14)<br/>FX select</b><br>(see <a href="#">Pixel Mapping</a> )                         | 000 ⇄ 002 | Plate FX All select (all on)       |
|         |                                                                                                            | 003 ⇄ 255 | see <a href="#">Plate Patterns</a> |
| 89      | <b>Plate 2 (pixels 8–14) FX<br/>movement speed &amp; direction</b><br>(see <a href="#">Pixel Mapping</a> ) | 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      | <b>Plate 2 (pixels 8–14) FX<br/>crossfade</b><br>(see <a href="#">Pixel Mapping</a> )                      | 000 ⇄ 002 | Snap from cell to cell             |
|         |                                                                                                            | 003 ⇄ 255 | Fade duration: short to long       |
| 91      | <b>Beam 1 (pixels 1–14)<br/>FX select</b><br>(see <a href="#">Pixel Mapping</a> )                          | 000 ⇄ 002 | Beam FX All select (all on)        |
|         |                                                                                                            | 003 ⇄ 255 | see <a href="#">Beam Patterns</a>  |
| 92      | <b>Beam 1 (pixels 1–14)<br/>FX movement speed &amp; direction</b><br>(see <a href="#">Pixel Mapping</a> )  | 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      | <b>Beam 1 (pixels 1–14)<br/>FX crossfade</b><br>(see <a href="#">Pixel Mapping</a> )                       | 000 ⇄ 002 | Snap from cell to cell             |
|         |                                                                                                            | 003 ⇄ 255 | Fade duration: short to long       |
| 94      | <b>Beam 2 (pixels 15–28)<br/>FX select</b><br>(see <a href="#">Pixel Mapping</a> )                         | 000 ⇄ 002 | Beam FX All select (all on)        |
|         |                                                                                                            | 003 ⇄ 255 | see <a href="#">Beam Patterns</a>  |
| 95      | <b>Beam 2 (pixels 15–28)<br/>FX movement speed &amp; direction</b><br>(see <a href="#">Pixel Mapping</a> ) | 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      | <b>Beam 2 (pixels 15–28)<br/>FX crossfade</b><br>(see <a href="#">Pixel Mapping</a> )                      | 000 ⇄ 002 | Snap from cell to cell             |
|         |                                                                                                            | 003 ⇄ 255 | Fade duration: short to long       |

| Channel | Function | Value     | Percent/Setting   |
|---------|----------|-----------|-------------------|
| 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     |
|         |          | 061 ⇄ 065 | Fan mode on       |
|         |          | 066 ⇄ 070 | Tilt reset        |
|         |          | 071 ⇄ 075 | Plate1 invert off |
|         |          | 076 ⇄ 080 | Plate1 invert on  |
|         |          | 081 ⇄ 085 | Plate2 invert off |
|         |          | 086 ⇄ 090 | Plate2 invert on  |
|         |          | 091 ⇄ 095 | Beam1 invert off  |
|         |          | 096 ⇄ 100 | Beam1 invert on   |
|         |          | 101 ⇄ 105 | Beam2 invert off  |
|         |          | 106 ⇄ 110 | Beam2 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       |

# 47CH / 30CH

| 30CH | 47CH | Function             | Value     | Percent/Setting                                 |
|------|------|----------------------|-----------|-------------------------------------------------|
| 1    | 1    | Tilt                 | 000 ⇄ 255 | 0–100%                                          |
| 2    | 2    | Fine tilt            | 000 ⇄ 255 | 0–100%                                          |
| 3    | 3    | Master dimmer        | 000 ⇄ 255 | 0–100%                                          |
| 4    | 4    | Plate dimmer         | 000 ⇄ 255 | 0–100%                                          |
| 5    | 5    | Beam dimmer          | 000 ⇄ 255 | 0–100%                                          |
| 6    | 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    | 7    | Plate flash rate     | 000 ⇄ 009 | 100% On, no flash/strobe                        |
|      |      |                      | 010 ⇄ 250 | Slow to fast                                    |
|      |      |                      | 251 ⇄ 255 | 100% On, no flash/strobe                        |
| 8    | 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    | 9    | Beam flash rate      | 000 ⇄ 009 | 100% On, no flash/strobe                        |
|      |      |                      | 010 ⇄ 250 | Slow to fast                                    |
|      |      |                      | 251 ⇄ 255 | 100% On, no flash/strobe                        |
| –    | 10   | Plate Invert         | 000 ⇄ 005 | Normal alignment                                |
|      |      |                      | 006 ⇄ 124 | Invert Plate 1 and Plate 2                      |
|      |      |                      | 125 ⇄ 130 | Invert Plate 1, Plate 2 normal                  |
|      |      |                      | 131 ⇄ 249 | Invert Plate 2, Plate 1 normal                  |
|      |      |                      | 250 ⇄ 255 | No function                                     |
| –    | 11   | Beam Invert          | 000 ⇄ 005 | Normal alignment                                |
|      |      |                      | 006 ⇄ 124 | Invert Beam 1 and Beam 2                        |
|      |      |                      | 125 ⇄ 130 | Invert Beam 1, Beam 2 normal                    |
|      |      |                      | 131 ⇄ 249 | Invert Beam 2, Beam 1 normal                    |
|      |      |                      | 250 ⇄ 255 | No function                                     |
| 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                                          |

| 30CH | 47CH | Function                                                 | Value                  | Percent/Setting                                                    |
|------|------|----------------------------------------------------------|------------------------|--------------------------------------------------------------------|
| 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- 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                                           |
| 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 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 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)<br>FX select                        | 000 ⇄ 002<br>003 ⇄ 255 | Plate FX All select (all on)<br>see <a href="#">Plate Patterns</a> |
| 19   | -    | Plate 1 (pixels 1–7)<br>FX movement speed &<br>direction | 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                                                        |



| 30CH | 47CH | Function                                                   | Value                                                         | Percent/Setting                                                                                         |
|------|------|------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 20   | –    | Plate 1 (pixels 1–7)<br>FX crossfade                       | 000 ⇄ 002<br>003 ⇄ 255                                        | Snap from cell to cell<br>Fade duration: short to long                                                  |
| 21   | –    | Plate 2 (pixels 8–14)<br>FX select                         | 000 ⇄ 002<br>003 ⇄ 255                                        | Plate FX All select (all on)<br>see <a href="#">Plate Patterns</a>                                      |
| 22   | –    | Plate 2 (pixels 8–14)<br>FX movement speed &<br>direction  | 000 ⇄ 005<br>006 ⇄ 124<br>125 ⇄ 130<br>131 ⇄ 249<br>250 ⇄ 255 | No function<br>Left to right, fast to slow<br>No function<br>Right to left, slow to fast<br>No function |
| 23   | –    | Plate 2 (pixels 8–14)<br>FX crossfade                      | 000 ⇄ 002<br>003 ⇄ 255                                        | Snap from cell to cell<br>Fade duration: short to long                                                  |
| 24   | –    | Beams 1 (pixels 1–14)<br>FX select                         | 000 ⇄ 002<br>003 ⇄ 255                                        | Beam FX All select (all on)<br>see <a href="#">Beam Patterns</a>                                        |
| 25   | –    | Beams 1 (pixels 1–14)<br>FX movement speed &<br>direction  | 000 ⇄ 005<br>006 ⇄ 124<br>125 ⇄ 130<br>131 ⇄ 249<br>250 ⇄ 255 | No function<br>Left to right, fast to slow<br>No function<br>Right to left, slow to fast<br>No function |
| 26   | –    | Beams 1 (pixels 1–14)<br>FX crossfade                      | 000 ⇄ 002<br>003 ⇄ 255                                        | Snap from cell to cell<br>Fade duration: short to long                                                  |
| 27   | –    | Beams 2 (pixels 15–28)<br>FX select                        | 000 ⇄ 002<br>003 ⇄ 255                                        | Beam FX All select (all on)<br>see <a href="#">Beam Patterns</a>                                        |
| 28   | –    | Beams 2 (pixels 15–28)<br>FX movement speed &<br>direction | 000 ⇄ 005<br>006 ⇄ 124<br>125 ⇄ 130<br>131 ⇄ 249<br>250 ⇄ 255 | No function<br>Left to right, fast to slow<br>No function<br>Right to left, slow to fast<br>No function |
| 29   | –    | Beams 2 (pixels 15–28)<br>FX crossfade                     | 000 ⇄ 002<br>003 ⇄ 255                                        | Snap from cell to cell<br>Fade duration: short to long                                                  |
| –    | 12   | Plate Pixel 1 + 8 Red                                      | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 13   | Plate Pixel 1 + 8 Green                                    | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 14   | Plate Pixel 1 + 8 Blue                                     | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 15   | Plate Pixel 2 + 9 Red                                      | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 16   | Plate Pixel 2 + 9 Green                                    | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 17   | Plate Pixel 2 + 9 Blue                                     | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 18   | Plate Pixel 3 + 10 Red                                     | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 19   | Plate Pixel 3 + 10 Green                                   | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 20   | Plate Pixel 3 + 10 Blue                                    | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 21   | Plate Pixel 4 + 11 Red                                     | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 22   | Plate Pixel 4 + 11 Green                                   | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 23   | Plate Pixel 4 + 11 Blue                                    | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 24   | Plate Pixel 5 + 12 Red                                     | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 25   | Plate Pixel 5 + 12 Green                                   | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 26   | Plate Pixel 5 + 12 Blue                                    | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 27   | Plate Pixel 6 + 13 Red                                     | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 28   | Plate Pixel 6 + 13 Green                                   | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 29   | Plate Pixel 6 + 13 Blue                                    | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 30   | Plate Pixel 7 + 14 Red                                     | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 31   | Plate Pixel 7 + 14 Green                                   | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 32   | Plate Pixel 7 + 14 Blue                                    | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 33   | Beam Pixel 1 + 15                                          | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 34   | Beam Pixel 2 + 16                                          | 000 ⇄ 255                                                     | 0–100%                                                                                                  |
| –    | 35   | Beam Pixel 3 + 17                                          | 000 ⇄ 255                                                     | 0–100%                                                                                                  |

| 30CH | 47CH | Function                        | Value     | Percent/Setting        |
|------|------|---------------------------------|-----------|------------------------|
| -    | 36   | Beam Pixel 4 + 18               | 000 ⇄ 255 | 0-100%                 |
| -    | 37   | Beam Pixel 5 + 19               | 000 ⇄ 255 | 0-100%                 |
| -    | 38   | Beam Pixel 6 + 20               | 000 ⇄ 255 | 0-100%                 |
| -    | 39   | Beam Pixel 7 + 21               | 000 ⇄ 255 | 0-100%                 |
| -    | 40   | Beam Pixel 8 + 22               | 000 ⇄ 255 | 0-100%                 |
| -    | 41   | Beam Pixel 9 + 23               | 000 ⇄ 255 | 0-100%                 |
| -    | 42   | Beam Pixel 10 + 24              | 000 ⇄ 255 | 0-100%                 |
| -    | 43   | Beam Pixel 11 + 25              | 000 ⇄ 255 | 0-100%                 |
| -    | 44   | Beam Pixel 12 + 26              | 000 ⇄ 255 | 0-100%                 |
| -    | 45   | Beam Pixel 13 + 27              | 000 ⇄ 255 | 0-100%                 |
| -    | 46   | Beam Pixel 14 + 28              | 000 ⇄ 255 | 0-100%                 |
| 30   | 47   | Control<br>(hold for 3 seconds) | 000 ⇄ 005 | No function            |
|      |      |                                 | 006 ⇄ 010 | Off (dimmer mode)      |
|      |      |                                 | 011 ⇄ 015 | Dimmer 1 (dimmer mode) |
|      |      |                                 | 016 ⇄ 020 | Dimmer 2 (dimmer mode) |
|      |      |                                 | 021 ⇄ 025 | Dimmer 3 (dimmer mode) |
|      |      |                                 | 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 | Auto (Fan mode)        |
|      |      |                                 | 061 ⇄ 065 | On (Fan mode)          |
|      |      |                                 | 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 ⇄ 140 | No function            |
|      |      |                                 | 141 ⇄ 150 | FX pattern priority    |
|      |      |                                 | 151 ⇄ 155 | Color mix HTP on       |
|      |      |                                 | 156 ⇄ 160 | Color mix HTP off      |
|      |      |                                 | 161 ⇄ 170 | Color priority         |
|      |      |                                 | 171 ⇄ 255 | No function            |

## 14 Channel mode

| Channel | Name | DMX Value | Description |
|---------|------|-----------|-------------|
|---------|------|-----------|-------------|

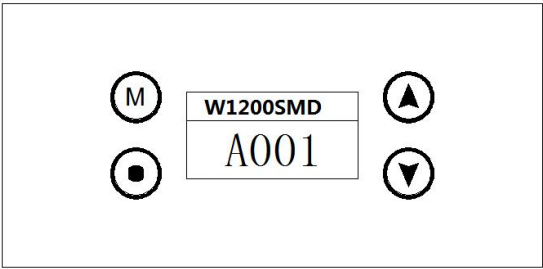
|    |                   |         |                          |
|----|-------------------|---------|--------------------------|
| 1  | Tilt              | 0-255   | Tilt Movement            |
| 2  | Tilt Fine         | 0-255   | Tilt Fine Movement       |
| 3  | Dimme             | 0-255   |                          |
| 4  | Plate Macro       | 0-4     | Plate Macro Off          |
|    |                   | 5-9     | Plate Macro 1            |
|    |                   | 10-14   | Plate Macro 2            |
|    |                   | 15-19   | Plate Macro 3            |
|    |                   | ...     | Plate Macro ...          |
|    |                   | 250-254 | Plate Macro 50           |
|    |                   | 255     | Plate Macro 51           |
| 5  | Plate Macro Color | 0-255   | Plate Macro Color        |
| 6  | Plate Macro Speed | 0-255   | Speed From Slow To Fast  |
| 7  | Beam Macro        | 0-5     | No Strobe                |
|    |                   | 6-42    | Strobe Mode 1            |
|    |                   | 43-85   | Strobe Mode 2            |
|    |                   | 86-128  | Strobe Mode 3            |
|    |                   | 129-171 | Strobe Mode 4            |
|    |                   | 172-214 | Strobe Mode 5            |
|    |                   | 215-255 | Strobe Mode 6            |
| 8  | Beam Macro speed  | 0-255   | 0-255                    |
| 9  | Plate Strobe      | 0-9     | No Strobe                |
|    |                   | 10-255  | Strobe from slow to fast |
| 10 | Beam Strobe       | 0-9     | No Strobe                |
|    |                   | 10-255  | Strobe from slow to fast |
| 11 | Plate Red         | 0-255   |                          |
| 12 | Plate Green       | 0-255   |                          |
| 13 | Plate Blue        | 0-255   |                          |
| 14 | Beam              | 0-255   |                          |



5 Channel mode-Net

| Chan<br>nel | Name              | DescriptionDMX             | Value   |
|-------------|-------------------|----------------------------|---------|
| 1           | Coarse Tilt (MSB) | 0- 185°                    | 0-255   |
| 2           | Fine Tilt (LSB)   | Coarse tilt + 0- 1.2°      | 0-255   |
| 3           | Beam Intensity    | Intensity 0- 100%          | 0-255   |
| 4           | Beam Duration     | Flash duration 7-650<br>ms | 0-255   |
| 5           | Beam Shutter      | No                         |         |
|             |                   | flash1                     | 6-42    |
|             |                   | Flash2                     | 43-85   |
|             |                   | Flash3                     | 86-128  |
|             |                   | Flash4                     | 129-171 |
|             |                   | Flash5                     | 172-214 |
|             |                   | Flash6                     | 215-255 |

Control menu



power-on password: **UP** - **DOWN**- **UP** - **DOWN**- **ENTER**

Press button **UP** or **DOWN** if you want to browse through the various Setup Options.

Press button **ENTER** to save your settings or enter the next menu.

Press button **UP** or **DOWN** to shift.

Press button **Menu** will return to the upper menu one by one.

power-on password: UP - DOWN - UP - DOWN - ENTER

| 1st LEVEL    | 2nd LEVEL        | 1rd LEVEL           | 1th LEVEL |
|--------------|------------------|---------------------|-----------|
| DMX Address  | XXX<br>(1~499)   | enter               |           |
| Net IP       | IP Address       | IP (0-255)          | Enter     |
|              |                  | IP (0-255)          | Enter     |
|              |                  | IP (0-255)          | Enter     |
|              |                  | IP (0-255)          | Enter     |
|              | Sub tmask        | 255.0.0.0           | Enter     |
|              |                  | 255.255.0.0         | Enter     |
|              |                  | 255.255.255.0       | Enter     |
| Set Universe | Strobe Universe  | 0-32766             | Enter     |
|              | Aura Universe    | 0-32766             | Enter     |
| Config       | DMX channel mode | 8 channel mode      |           |
|              |                  | 11 channel mode     |           |
|              |                  | 13 channel mode     |           |
|              |                  | 24 channel mode     |           |
|              |                  | 74 channel mode     |           |
|              |                  | 30 channel mode     |           |
|              |                  | 47 channel mode     |           |
|              |                  | 97 channel mode     |           |
|              |                  | 14 channel mode     |           |
|              |                  | 5 channel mode -NEt |           |
|              | OFFLine Show     | Manual              |           |
|              |                  | Fix show            |           |
|              |                  | User Shou           |           |
|              | LED HZ           | 1200                |           |
|              |                  | 2400                |           |
|              |                  | 4800                |           |
|              | Parameter        | Yes/No              |           |
|              | Default          | Canel / Ok          |           |
|              | Factory Set      | 000                 |           |

|                         |             |            |
|-------------------------|-------------|------------|
| <b>Motor</b>            | Reset       | Canel / Ok |
|                         | Offset      | 000        |
|                         | Invert      | TILT < >   |
|                         | Feedback    | off        |
|                         |             | On         |
| <b>Display</b>          | Ch / En     |            |
|                         | Display Dir | Normal     |
|                         |             | Reverse    |
|                         | Backlight   | 30S        |
|                         |             | On         |
| <b>Manual</b>           | Tilt        |            |
|                         | Dimmer      |            |
|                         | Strobe      |            |
|                         | macro       |            |
|                         | macroS      |            |
|                         | Red         |            |
|                         | Green       |            |
|                         | Blue        |            |
|                         | White       |            |
| <b>Auto</b>             | Show RGB    |            |
|                         | Speed RGB   |            |
|                         | Show W      |            |
|                         | Speed W     |            |
|                         | TILT        |            |
| <b>Informati<br/>on</b> | RDM UID     |            |
|                         | Version     |            |
|                         | DMX channel |            |
|                         | Run time    |            |
|                         | Use time    |            |
|                         | Temperature |            |

## 12. Specification

### **Strobe Panel LEDs**

LED Type: 5050 0.5W RGB 3in1 LEDs

LED Count: 784

LED Colors: RGB

LED Segments: 14 (2 x 7)

### **Strobe Tube LEDs**

LED Type: 3535 5W 6500K LEDs

LED Count: 392

LED Colors: Cool-White

LED Segments: 28 (2x14)

**Movement** Resolution:  
8-16 Bit Position  
Feedback: yes Tilt  
(Degrees): 185°

## **Control**

Control Modes:8

Display: Illuminated graphic LCD

Protocol: USITT DMX-512, RDM

RDM: Bidirectional communication

Wireless DMX: 2.4 GHz W-DMX™ (optional)

Cooling: Temperature controlled, overheating protection

## **Effects**

Dimmer: 0-100% electronic Shutter:  
electronic, max. 20 Hz Internal

Effects: LED Macro Effects

## **Connectors**

Signal connection: Seetronic IP65 XLR 5-Pin or 3-Pin In/Out

Power Input: Seetronic powerCON TRUE1 In/Out

## **Operating Conditions**

Mains voltage: 100-240V AC / 50-60Hz

Power: 1200W

Maximum ambient temperature: -30°C / 86°F, 50°C / 122°F Operating

Position: any

## **Mounting Options**

Standing: Rubber feet

Hanging:

Omega-Bracket

Safety wire attachment: foldout eyelets

## **Shipping**

Single fixture: cardboard (inner and outer cartons)

Tourpack: 4-way Flight Case

## **Housing Colors**

Standard colors: black

## **Dimensions & Weight**

Length: 502 mm / 119.8 in

Width: 137 mm / 5.4 in

Height (head horizontal): 326 mm / 12.8 in

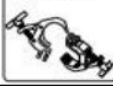
## **Weight**

N.W: 11.2 kg

G.W: 13.5 kg

## ACCESSORIES

These items are packed together with the projector:

| Name                                                                                         | Quantity | Unit | Remark |
|----------------------------------------------------------------------------------------------|----------|------|--------|
|  This manual | 1        | Pcs  | Paper  |
|  Power cable | 1        | Pcs  | 1.5m   |
|  XLR cable   | 1        | Pc   | 1.5m   |
|  Safety cord | 1        | Pc   |        |
|              | 1        | Pc   |        |

