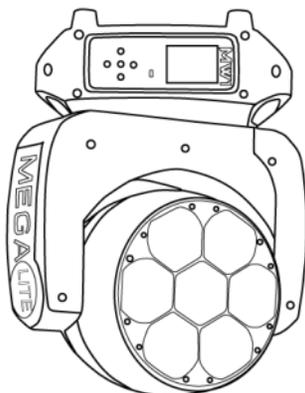




# MW1



## USER MANUAL

### Table of Contents

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Check that the unit has not been damaged during transport



Read all cautions and warnings  
prior to operation of this  
equipment

#### Protection Against Fire



Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit too close to a heat source.
5. Make sure cables are properly secured away from unit movement.
6. Maximum surface operating temperature 104°.

#### Protection Against Electrical Damage



Electrical

1. Disconnect power before lamp replacement or servicing.
2. For connection to main power supply proceed to page 6.
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.
5. Unit must not be left on for a long period of time.

#### Protection Against Mechanical Hazards



Mechanical

1. Use safety chain when hanging unit.
2. Use quality clamps or bolts when positioning unit
3. Do not open unit risk of electrical shock.

# Specifications

## Part Numbers

### Fixture

1215 - MW1

### Lamp

7 Osram RGBW 40W LED

### Flight Case

CAS-1210-4

Quad Road Case

## Mechanical Specifications

**Pan:** 540° 8/16 Bit      **Tilt:** 270° 8/16 Bit  
**DMX Connectors:** 3 and 5-pin XLR connectors  
**Power Connectors:** Power Con Type  
**Thermal:** Maximum ambient temperature 110° F  
 Maximum surface temperature 140° F  
**Fastening System:** 2 Quick Release Bi Directional Clamp Mounts

| Fixture                   | Packaged for Shipping     |
|---------------------------|---------------------------|
| Size: 12.75" x 9" x 15.5" | Size: 14.5" x 12" x 17.5" |
| Weight: 19lb              | Weight: 21 lb             |



## Electrical Specifications

**Power supply:** Auto Switch 100V-240V 50/60 HZ  
**Power consumption:** Watts: 376W  
 Amps: 3.24  
**Ballast:** Electronic  
**LED Type:** Osram 40W LED  
**Display:** LCD Display

## Electromechanical Effects

**Shutter:** Electronic Shutter strobe 18 flash per second  
**Zoom:** Mechanical Zoom 9° -44°  
**Pixel Control:** Each LED 7  
**Color Selection:** RGBW

Photometric at 10 Feet 9° zoom:

Photometric at 10 Feet 44° zoom:

|     |        |
|-----|--------|
| CCT | 0 K    |
| CRI | 0.0    |
| Lux | 1524.2 |
| fc  | 141.7  |

## Main Power Connection

### Caution!

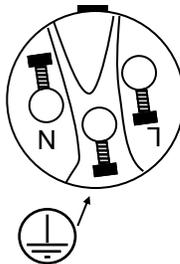
1. Do not connect fixture to a dimmer system.
2. This unit must be earthed. (electronically grounded)
3. Replace fuse only with the specified type and rating.
4. Power link maximum 5 units at 110V

This device is equipped with a auto switching power supply that will allow you to work from 100V-240V 50/60Hz

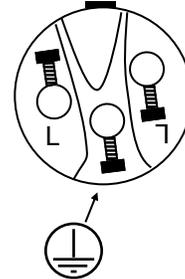
The occupation of the connection-cable is as follows:

| Cable (USA) | Cable (EU)   | Pin     | 110V   | 220V  |
|-------------|--------------|---------|--|---|
| Black       | Brown        | Live    | L  | L   |
| White       | Light Blue   | Neutral | N  | L   |
| Green       | Yellow/Green | Ground  |  |  |

110V  
Connection



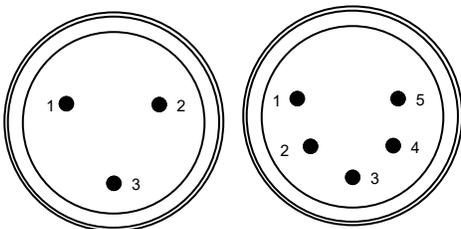
220V  
Connection



## DMX-512 Connection

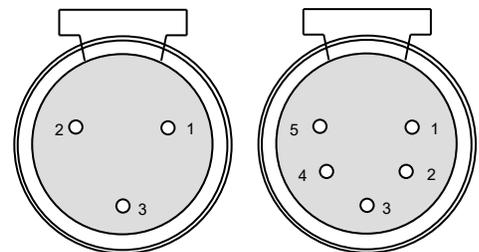
The fixture is equipped with 3 and 5 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 or 5 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

### DMX—Input



### DMX—Output

|               |
|---------------|
| 1. Shield     |
| 2. Signal (-) |
| 3. Signal (+) |
| 4. N/A        |
| 5. N/A        |



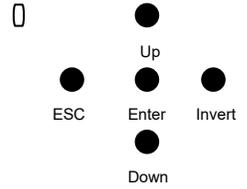
### Caution!

At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the (-) and the (+) signal into a 3 or 5 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are available for purchase from your Mega-Lite dealer (P-DMX-T).

# Display Control

## Main Control

The control board on the fixture base is your interface to access and control all the functions on the unit. It's LCD display gives you a code view of the options and functions. The following will explain each function and its options. Press ESC to Enter Main Menu



|   |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |   |                   |  |     |  |  |
|---|-----------|--|-------------|-----|---------|---|--------|---|-------------|---|-------------|---|---------------|---|---------|---|----------------------|---|-------------------|--|-----|--|--|
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| Main Menu   |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |   |                   |  |     |  |  |
| DMX Address   | 001       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |   |                   |  |     |  |  |
| Fixture   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |   |                   |  |     |  |  |
| Manual  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |   |                   |  |     |  |  |
| Information   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |   |                   |  |     |  |  |
| Calibration   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |   |                   |  |     |  |  |
| Fixture Reset   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |   |                   |  |     |  |  |
| Display   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |   |                   |  |     |  |  |
| DMX Yes Mode 14Ch   |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |   |                   |  |     |  |  |
| 001   |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |   |                   |  |     |  |  |

|   |                                |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
|---|--------------------------------|--|-------------|-----|---------|---|--------|---|-------------|---|-------------|---|---------------|---|---------|---|------------------|---|---------|--|----------|------|----------|-----|------------|----|-------------|----|---|----------|--------------------------------|-----|--------------------|-----|------------------|------|------------------|
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| Main Menu   |                                |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| DMX Address   | 001                            |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Fixture   | ▶                              |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Manual  | ▶                              |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Information   | ▶                              |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Calibration   | ▶                              |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Fixture Reset   | ▶                              |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Display   | ▶                              |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Fixture   |                                |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| DMX Mode  | Ch11                           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Run Mode  | DMX                            |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Pan Invert  | No                             |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Tilt Invert   | No                             |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| DMX Mode  | CH Mode CH11, CH14, Ch18, CH38 |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Run   | DMX, Master, Audio             |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Pan   | Invert Yes or No               |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |
| Tilt  | invert Yes or No               |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                  |   |         |  |          |      |          |     |            |    |             |    |   |          |                                |     |                    |     |                  |      |                  |

|   |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
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| Main Menu   |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| DMX Address   | 001       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| Fixture   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| Manual  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| Information   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| Calibration   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| Fixture Reset   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| Display   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| Manual  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| Pan   | 000       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| Pan Fine  | 000       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| Tilt  | 000       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| Tilt Fine   | 000       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| P/T Speed   | 000       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |
| Dim   | 000       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                 |  |        |  |     |     |          |     |      |     |           |     |           |     |     |     |  |

|   |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
|---|-----------|--|-------------|-----|---------|---|--------|---|-------------|---|-------------|---|---------------|---|---------|---|----------------------|--|-------------|--|------|--|--------|--|-------------|--|------------------|--|----------------------------|
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| Main Menu   |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
| DMX Address   | 001       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
| Fixture   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
| Manual  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
| Information   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
| Calibration   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
| Fixture Reset   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
| Display   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
| Information   |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
| Time  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
| Sensor  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
| Temperature   |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |
| Software Version  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |                      |  |             |  |      |  |        |  |             |  |                  |  |                            |

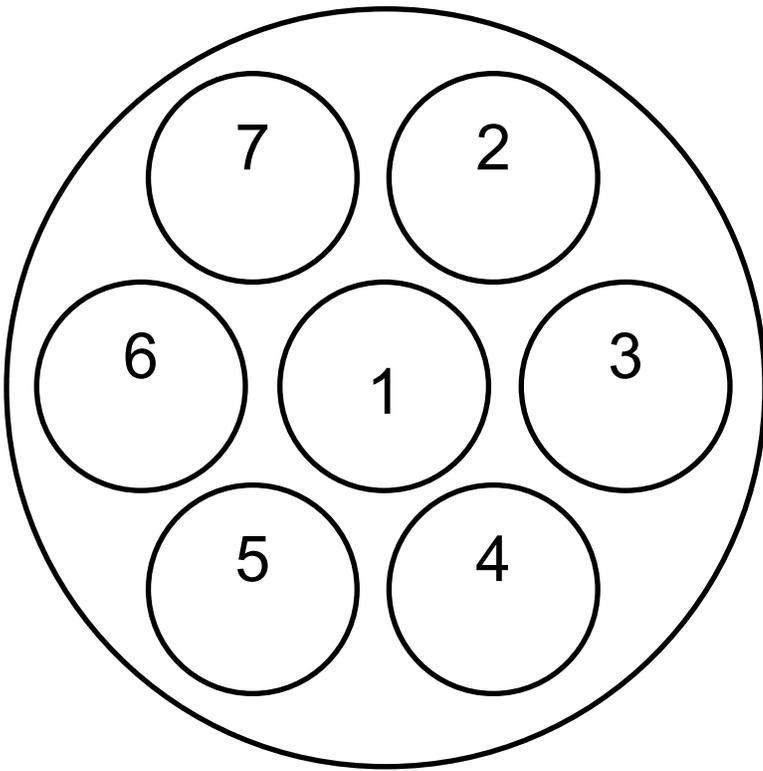
|  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
|--|-----------|--|-------------|-----|---------|---|--------|---|-------------|---|-------------|---|---------------|---|---------|---|--|-------------|--|----------|-----|-----|-----|----------|-----|------|-----|-----------|-----|-----------|-----|--|
| <table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td colspan="2">Main Menu</td></tr> <tr><td>DMX Address</td><td style="text-align: right;">001</td></tr> <tr><td>Fixture</td><td style="text-align: right;">▶</td></tr> <tr><td>Manual</td><td style="text-align: right;">▶</td></tr> <tr><td>Information</td><td style="text-align: right;">▶</td></tr> <tr style="background-color: #e0e0e0;"><td>Calibration</td><td style="text-align: right;">▶</td></tr> <tr><td>Fixture Reset</td><td style="text-align: right;">▶</td></tr> <tr><td>Display</td><td style="text-align: right;">▶</td></tr> </table> | Main Menu |  | DMX Address | 001 | Fixture | ▶ | Manual | ▶ | Information | ▶ | Calibration | ▶ | Fixture Reset | ▶ | Display | ▶ | <h3>Calibration</h3> <table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td colspan="2">Calibration</td></tr> <tr style="background-color: #e0e0e0;"><td>Password</td><td style="text-align: right;">000</td></tr> <tr><td>Pan</td><td style="text-align: right;">000</td></tr> <tr><td>Pan Fine</td><td style="text-align: right;">000</td></tr> <tr><td>Tilt</td><td style="text-align: right;">000</td></tr> <tr><td>Tilt Fine</td><td style="text-align: right;">000</td></tr> <tr><td>P/T Speed</td><td style="text-align: right;">000</td></tr> </table> | Calibration |  | Password | 000 | Pan | 000 | Pan Fine | 000 | Tilt | 000 | Tilt Fine | 000 | P/T Speed | 000 | <p>Warning this function is for trained factory technicians!</p> |
| Main Menu  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| DMX Address  | 001       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| Fixture  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| Manual   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| Information  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| Calibration  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| Fixture Reset  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| Display  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| Calibration  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| Password   | 000       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| Pan  | 000       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| Pan Fine   | 000       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| Tilt   | 000       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| Tilt Fine  | 000       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |
| P/T Speed  | 000       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |             |  |          |     |     |     |          |     |      |     |           |     |           |     |  |

|  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |   |               |  |             |  |         |  |   |
|--|-----------|--|-------------|-----|---------|---|--------|---|-------------|---|-------------|---|---------------|---|---------|---|---|---------------|--|-------------|--|---------|--|---|
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| Main Menu  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |   |               |  |             |  |         |  |   |
| DMX Address  | 001       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |   |               |  |             |  |         |  |   |
| Fixture  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |   |               |  |             |  |         |  |   |
| Manual   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |   |               |  |             |  |         |  |   |
| Information  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |   |               |  |             |  |         |  |   |
| Calibration  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |   |               |  |             |  |         |  |   |
| Fixture Reset  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |   |               |  |             |  |         |  |   |
| Display  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |   |               |  |             |  |         |  |   |
| Fixture Reset  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |   |               |  |             |  |         |  |   |
| Motor Reset  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |   |               |  |             |  |         |  |   |
| Factory  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |   |               |  |             |  |         |  |   |

|  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |         |  |                |        |              |     |   |
|--|-----------|--|-------------|-----|---------|---|--------|---|-------------|---|-------------|---|---------------|---|---------|---|--|---------|--|----------------|--------|--------------|-----|---|
| <table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td colspan="2">Main Menu</td></tr> <tr><td>DMX Address</td><td style="text-align: right;">001</td></tr> <tr><td>Fixture</td><td style="text-align: right;">▶</td></tr> <tr><td>Manual</td><td style="text-align: right;">▶</td></tr> <tr><td>Information</td><td style="text-align: right;">▶</td></tr> <tr><td>Calibration</td><td style="text-align: right;">▶</td></tr> <tr><td>Fixture Reset</td><td style="text-align: right;">▶</td></tr> <tr style="background-color: #e0e0e0;"><td>Display</td><td style="text-align: right;">▶</td></tr> </table> | Main Menu |  | DMX Address | 001 | Fixture | ▶ | Manual | ▶ | Information | ▶ | Calibration | ▶ | Fixture Reset | ▶ | Display | ▶ | <h3>Display</h3> <table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td colspan="2">Display</td></tr> <tr style="background-color: #e0e0e0;"><td>Display Invert</td><td style="text-align: right;">Normal</td></tr> <tr><td>Display Mode</td><td style="text-align: right;">60s</td></tr> </table> | Display |  | Display Invert | Normal | Display Mode | 60s | <p>Display Invert Will invert display to use when fixture is hanging</p> <p>Display Mode Will give you option for display to shut off after a surtain amount of time or display to stay on.</p> |
| Main Menu  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |         |  |                |        |              |     |   |
| DMX Address  | 001       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |         |  |                |        |              |     |   |
| Fixture  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |         |  |                |        |              |     |   |
| Manual   | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |         |  |                |        |              |     |   |
| Information  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |         |  |                |        |              |     |   |
| Calibration  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |         |  |                |        |              |     |   |
| Fixture Reset  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |         |  |                |        |              |     |   |
| Display  | ▶         |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |         |  |                |        |              |     |   |
| Display  |           |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |         |  |                |        |              |     |   |
| Display Invert   | Normal    |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |         |  |                |        |              |     |   |
| Display Mode   | 60s       |  |             |     |         |   |        |   |             |   |             |   |               |   |         |   |  |         |  |                |        |              |     |   |

## LED Orientation

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## Rigging the fixture

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### Caution!

1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injuries if you have doubts concerning the safety do not install.
3. Unit is to be 24inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the projector has got to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least one time a year by a skilled person.

## DMX Profile

### MW1 11Ch Mode

| DMX Channel | Function   | Description                       | Value   | Init Value |
|-------------|------------|-----------------------------------|---------|------------|
| 1           | Pan        | Pan Course                        | 0-255   | 128        |
| 2           | Pan Fine   | Tilt Course                       | 0-255   | 128        |
| 3           | Tilt       | Pan Fine                          | 0-255   | 128        |
| 4           | Tilt Fine  | Tilt Fine                         | 0-255   | 128        |
| 5           | P/T Speed  | Pan and Tilt Speed (fast to slow) | 0-255   | 0          |
| 6           | Shutter    | Closed                            | 0-3     | 255        |
|             |            | Strobe (slow to fast)             | 4-103   |            |
|             |            | Open                              | 104-107 |            |
|             |            | Pulse Strobe (slow to fast)       | 108-207 |            |
|             |            | Open                              | 208-212 |            |
|             |            | Random Strobe (slow to fast)      | 213-251 |            |
|             |            | Open                              | 252-255 |            |
| 7           | Hue        | Color Scale                       | 0-255   | 0          |
| 8           | Saturation | Saturation                        | 0-255   | 0          |
| 9           | Intensity  | Intensity                         | 0-255   | 255        |
| 10          | Zoom       | Zoom (wide to narrow)             | 0-255   | 0          |
| 11          | Control    | No Function                       | 0-250   | 0          |
|             |            | Fixture Reset                     | 251-255 |            |

### MW1 14Ch Mode

| DMX Channel | Function  | Description                  | Value   | Init Value |
|-------------|-----------|------------------------------|---------|------------|
| 1           | Pan       | Pan Course                   | 0-255   | 128        |
| 2           | Pan Fine  | Tilt Course                  | 0-255   | 128        |
| 3           | Tilt      | Pan Fine                     | 0-255   | 128        |
| 4           | Tilt Fine | Tilt Fine                    | 0-255   | 128        |
| 5           | Color     | No Function                  | 0       | 0          |
|             |           | Color Hue                    | 1-15    |            |
| 6           | LED Color | Red                          | 0-255   | 255        |
| 7           | LED Color | Green                        | 0-255   | 255        |
| 8           | LED Color | Blue                         | 0-255   | 255        |
| 9           | LED Color | White                        | 0-255   | 255        |
| 10          | Shutter   | Closed                       | 0-3     | 255        |
|             |           | Strobe (slow to fast)        | 4-103   |            |
|             |           | Open                         | 104-107 |            |
|             |           | Pulse Strobe (slow to fast)  | 108-207 |            |
|             |           | Open                         | 208-212 |            |
|             |           | Random Strobe (slow to fast) | 213-251 |            |
|             |           | Open                         | 252-255 |            |
| 11          | Dimmer    | Dimmer off to Full           | 0-255   | 255        |
| 12          | Zoom      | Zoom (wide to narrow)        | 0-255   | 0          |
| 13          | Control   | No Function                  | 0-250   | 0          |
|             |           | Fixture Reset                | 251-255 |            |
| 14          | Macro     | No Function                  | 0       | 0          |
|             |           | Pre Built Patterns           | 1-255   |            |

# MW1 18 Ch Mode

| DMX Channel | Function      | Description   | Value   | Init Value |
|-------------|---------------|---|---------|------------|
| 1           | Pan           | Pan   | 0-255   | 128        |
| 2           | Pan Fine      | Pan Fine  | 0-255   | 128        |
| 3           | Tilt          | Tilt  | 0-255   | 128        |
| 4           | Tilt Fine     | Tilt Fine   | 0-255   | 128        |
| 5           | P/T Speed     | Pan and Tilt Speed (fast to slow)                       | 0-255   | 0          |
| 6           | Dimmer        | Dimmer Off to Full                                      | 0-255   | 255        |
| 7           | Shutter       | Closed  | 0-3     | 255        |
|             |               | Strobe (slow to fast)                                   | 4-103   |            |
|             |               | Open  | 104-107 |            |
|             |               | Pulse Strobe (slow to fast)                             | 108-207 |            |
|             |               | Open  | 208-212 |            |
|             |               | Random Strobe (slow to fast)                            | 213-251 |            |
|             |               | Open  | 252-255 |            |
| 8           | LED Color     | Red   | 0-255   | 255        |
| 9           | LED Color     | Green   | 0-255   | 255        |
| 10          | LED Color     | Blue  | 0-255   | 255        |
| 11          | LED Color     | White   | 0-255   | 255        |
| 12          | CTO           | No Function   | 0-2     | 0          |
|             |               | CTO 8653K to 2823K                                      | 3-255   |            |
| 13          | Color         | No Function   | 0       | 0          |
|             |               | Color Hue   | 1-15    |            |
| 14          | Shutter Macro | No Function   | 0       | 0          |
|             |               | Light 1   | 1-6     |            |
|             |               | Light 2   | 7-13    |            |
|             |               | Light 3   | 14-20   |            |
|             |               | Light 4   | 21-27   |            |
|             |               | Light 5   | 28-34   |            |
|             |               | Light 6   | 35-41   |            |
|             |               | Light 7   | 42-48   |            |
|             |               | Light 2+3   | 49-55   |            |
|             |               | Light 4+5   | 56-62   |            |
|             |               | Light 6+7   | 63-69   |            |
|             |               | Light 1+2+3   | 70-76   |            |
|             |               | Light 1+4+5   | 77-83   |            |
|             |               | Light 1+6+7   | 84-90   |            |
|             |               | Light 1+2   | 91-97   |            |
|             |               | Light 3+6   | 98-104  |            |
|             |               | Light 2+3+5+6   | 105-111 |            |
|             |               | Light 1+3+6   | 112-118 |            |
|             |               | Light 2+4+6   | 119-125 |            |
|             |               | Light 1+2+3+5+6   | 126-132 |            |
|             |               | Light 2+3+4+5+6+7                                       | 133-139 |            |
|             |               | Light 2,3,4,5,6 M                                       | 140-146 |            |
|             |               | Light 2+3,4+5,6+7 M                                     | 147-153 |            |
|             |               | Light 1+2,1+3,1+4,1+5,1+6,1+7 M                         | 154-160 |            |
|             |               | Light 1+2+3, 1+4+5,1+6+7 M                              | 161-167 |            |
|             |               | Light 2+3+4,3+4+5,4+5+6,5+6+7,6+7+2,7+2+3 M             | 168-174 |            |
|             |               | Light 1+2+3+4,1+3+4+5,1+4+5+6,1+5+6+7,1+6+7+2,1+7+2+3 M | 175-181 |            |

|    |               |                                      |         |   |
|----|---------------|--------------------------------------|---------|---|
| 14 | Shutter Macro | Light 2+5, 3+6, 4+7 M                | 182-188 |   |
|    |               | Light 2+3+5+6, 3+4+6+7,4+5+7+1 M     | 189-195 |   |
|    |               | Light 1+2+5,1+3+6,1+4+7 M            | 196-202 |   |
|    |               | Light 1+2+3+5+6,1+3+4+6+7,1+4+5+7+1M | 203-209 |   |
|    |               | Light 2+3,7+1+4, 4+5 M               | 210-216 |   |
|    |               | Light 1,2+3+4+5+6+7                  | 217-223 |   |
|    |               | Light 1,2+3+4+5+6+7 Color            | 224-230 |   |
|    |               | Light 1,2+3+4+5+6+7 Color            | 231-237 |   |
|    |               | Light 1,2+3,4+5,6+7 Color            | 238-244 |   |
|    |               | Light Random Color                   | 245-255 |   |
| 15 | Macro Speed   | Shutter Macro Speed (slow to fast)   | 0-255   | 0 |
| 16 | Back Ground   | Back Ground Color                    | 0-255   | 0 |
| 17 | Zoom          | Zoom (wide to narrow)                | 0-255   | 0 |
| 18 | Control       | No Function                          | 0-250   | 0 |
|    |               | Fixture Reset                        | 251-255 |   |

## MW1 38 Ch Mode

| DMX Channel | Function    | Description                       | Value   | Init Value |
|-------------|-------------|-----------------------------------|---------|------------|
| 1           | Pan         | Pan                               | 0-255   | 128        |
| 2           | Pan Fine    | Pan Fine                          | 0-255   | 128        |
| 3           | Tilt        | Tilt                              | 0-255   | 128        |
| 4           | Tilt Fine   | Tilt Fine                         | 0-255   | 128        |
| 5           | P/T Speed   | Pan and Tilt Speed (fast to slow) | 0-255   | 0          |
| 6           | Dimmer      | Dimmer Off to Full                | 0-255   | 255        |
| 7           | Dimmer Fine | Dimmer Fine                       | 0-255   | 255        |
| 8           | Shutter     | Closed                            | 0-3     | 255        |
|             |             | Strobe (slow to fast)             | 4-103   |            |
|             |             | Open                              | 104-107 |            |
|             |             | Pulse Strobe (slow to fast)       | 108-207 |            |
|             |             | Open                              | 208-212 |            |
|             |             | Random Strobe (slow to fast)      | 213-251 |            |
|             |             | Open                              | 252-255 |            |
| 9           | Zoom        | Zoom (wide to narrow)             | 0-255   | 0          |
| 10          | Control     | No Function                       | 0-250   | 0          |
|             |             | Fixture Reset                     | 251-255 |            |
| 11          | LED Color   | Red 1                             | 0-255   | 0          |
| 12          | LED Color   | Green 1                           | 0-255   | 0          |
| 13          | LED Color   | Blue 1                            | 0-255   | 0          |
| 14          | LED Color   | White 1                           | 0-255   | 0          |
| 15          | LED Color   | Red 2                             | 0-255   | 0          |
| 16          | LED Color   | Green 2                           | 0-255   | 0          |
| 17          | LED Color   | Blue 2                            | 0-255   | 0          |
| 18          | LED Color   | White 2                           | 0-255   | 0          |

|    |           |         |       |   |
|----|-----------|---------|-------|---|
| 19 | LED Color | Red 3   | 0-255 | 0 |
| 20 | LED Color | Green 3 | 0-255 | 0 |
| 21 | LED Color | Blue 3  | 0-255 | 0 |
| 22 | LED Color | White 3 | 0-255 | 0 |
| 23 | LED Color | Red 4   | 0-255 | 0 |
| 24 | LED Color | Green 4 | 0-255 | 0 |
| 25 | LED Color | Blue 4  | 0-255 | 0 |
| 26 | LED Color | White 4 | 0-255 | 0 |
| 27 | LED Color | Red 5   | 0-255 | 0 |
| 28 | LED Color | Green 5 | 0-255 | 0 |
| 29 | LED Color | Blue 5  | 0-255 | 0 |
| 30 | LED Color | White 5 | 0-255 | 0 |
| 31 | LED Color | Red 6   | 0-255 | 0 |
| 32 | LED Color | Green 6 | 0-255 | 0 |
| 33 | LED Color | Blue 6  | 0-255 | 0 |
| 34 | LED Color | White 6 | 0-255 | 0 |
| 35 | LED Color | Red 7   | 0-255 | 0 |
| 36 | LED Color | Green 7 | 0-255 | 0 |
| 37 | LED Color | Blue 7  | 0-255 | 0 |
| 38 | LED Color | White 7 | 0-255 | 0 |

# Cleaning and Maintenance

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**Installation Maintenance:** The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every 2 years.

The following points have to be considered during the inspection:

- 1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts like axles and other must not show any traces of wearing and must not rotate with unbalances.
- 4) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

**Disconnect from mains before starting maintenance operation!**



*Caution Danger to life!*

Electrical

We recommend a frequent cleaning of the device. Please use a moist, lint free cloth. Never use alcohol or solvents!

- 1) The objective lens will require periodic cleaning on usage and environment. Environment with foggers will require more periodic cleaning as fog fluid tends to build up residues, reducing the light output.
- 2) The cooling-fans should be cleaned monthly. DO NOT blow high pressure air into fans as incorrect rotation can damage the fans operation.
- 3) The gobos, dichroic color filters and internal lenses may be cleaned with soft brush using soapy water.
- 4) The interior of the fixture should be cleaned using a vacuum.
- 5) We recommend proper lubrication of the motor wheel. The quantity of the oil must not be excessive in order to avoid oil run outs when motor wheel rotates

**Note:** There is no serviceable parts inside the device except for the fuse. Maintenance and service operations are to be carried out by authorized dealers.

**Replacing the fuse:** Only replace the fuse with the same type and rating.

**Replacing the power cable:** If the power cable of this device becomes damaged, it has to be replaced by authorized dealers only

**Should you have further questions , please contact your dealer.**

## Parts List

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|              |                     |
|--------------|---------------------|
| CAS-1210-4   | 4 Unit Road Case    |
| 1215-LED     | LED Replacement     |
| 1215-PCB-DRI | LED Driver Board    |
| 1215-PCB-DIS | Display PCB         |
| 1215-BAN-PAN | Pan Band            |
| 1215-BAN-TIL | Tilt Band           |
| 1215-CON-DMX | DMX Connections     |
| 1180-FAN-12V | 12V Fan             |
| 1181-FAN-19V | 19V Fan             |
| 1210-HOU-QUI | Quick Release Mount |
| 1215-POW     | Power Supply        |

## Warranty Information

### Warranty Conditions

- Unless otherwise stated in writing, your product is covered by a one year parts and labor limited warranty.
- LEDs or Lamps are not guaranteed to match in color temperature or output.
- It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and reseller or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.
- Goods returned under warranty must follow the proper authorization procedure and must be accompanied by a copy of the original invoice.
- Goods repaired under warranty will be returned to the owner with the freight prepaid by MSI via the most economical means of shipment.
- Repair or replacement as provided for under this warranty is the exclusive remedy of the consumer. MEGA SYSTEMS INC. makes no warranties, express or implied, with respect to any product, and Mega Systems specifically disclaims any warranty of merchantability or fitness for a particular purpose. Mega Systems shall not be liable for any indirect, incidental or consequential damage, including lost profit, sustained or incurred in connection with any product or caused by product defect or the partial or total failure of any product regardless of the form of action, weather in contract, tort (including negligence), strict liability or otherwise, and weather or not such damage was foreseen or unforeseen.
- Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## Customer Support

Mega Lite has a customer support line to provide set up help and to answer any question should you encounter a problem. Please visit our website for any other related technical documents. For service related issue please contact our service dept.

Monday—Friday 9am to 6pm CST  
Voice: 210-684-2600  
E-mail: [service@megasystemsinc.com](mailto:service@megasystemsinc.com)

Specifications in this manual are subject to change.

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