

# **WAVE Bar 1260**

## **User Manual**



**Guangzhou Mitek Light Co.,LTD**

Email: [info@miteklight.com](mailto:info@miteklight.com)

Website: [www.miteklight.com](http://www.miteklight.com)

Add: No. 21 Dongfeng Avenue, Automobile Industry Base, Huadu District, Guangzhou

## TECHNICAL PARAMETERS

### Light source

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

Power Consumption: 800W

LED: 12\*60W RGBW 4in1 LED

### Optical

Zoom Angle: 3-45°

Moving Angle: 215°

### Controls

DMX Channel: 20/53/101/155/169A/169B/179 CHs

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

Display: LCD Display

DMX In/Out socket: 3&5pin XLR in/out

Power Socket: Powercon in/out

### Effect

Color: RGBW Color mixing

Pixel : Each head and LED can be control individually

Dimmer: 0-100% linear dimmer

### Construction

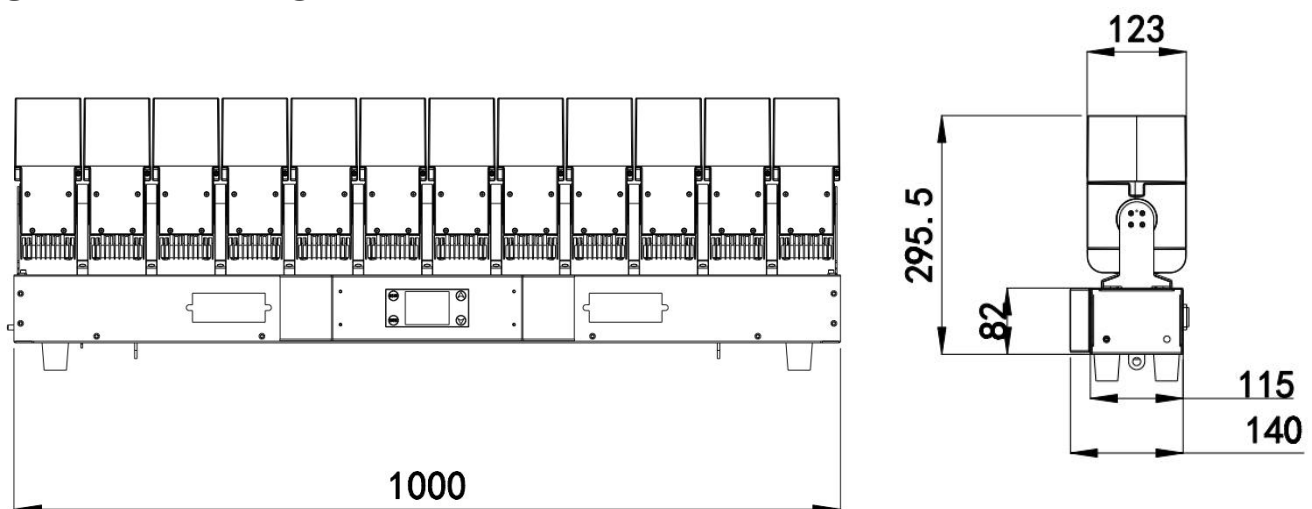
Protection Rating: IP20

### Weight&Dimension

Packing Size: 1000\*140\*305MM

Gross Weight: 26Kgs

## SIZE DRAWING



## STATEMENT

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

### 1.Safety Instruction

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

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

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

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

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

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

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

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

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

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

### WARNING:

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

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

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

### CAUTION:

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

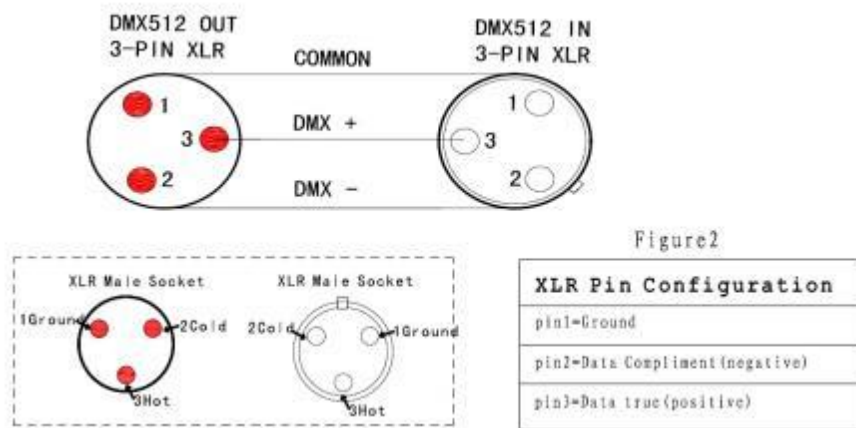
### INSTALLATION:

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

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

## How to Control The Device

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



### Display:

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

Set DMX Address Code

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

| Main Menu          | Menu                | Functions                                                                                                                                |
|--------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 1. System Settings | 1、DMX Addresss      | Change the DMX address code up or down (the address code ranges from 001-512), and save it by the confirm key. The default value is 001. |
|                    | 2. Y reversed       | Change Y up or down. Invert Enable/Disable. Save the confirmation key.                                                                   |
|                    | 3、No signal         | Zero                                                                                                                                     |
|                    | 4、Advanced Settings |                                                                                                                                          |

|                             |                            |                                                                                                                                                                  |
|-----------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2、<br>Operati<br>on<br>mode | 1、<br>Operation<br>mode    | Up or down to select the running mode DMX/ voice/automatic, confirm the key to save, the default DMX.                                                            |
|                             | 2.<br>Channel<br>selection | CH20.CH53.CH101.CH155.CH169A.CH169B.CH179                                                                                                                        |
|                             | 3、 Y                       | Modify Y motor running parameter value up or down (adjustable range 000-255), save the confirm key, the default 128.                                             |
|                             | 4、 Y Speed                 | Change Y motor speed running parameter value up or down (adjustable range 000-255), save the confirm key, the default 128.                                       |
|                             | 5、 Y Speed                 | Change the value of the Y mode parameter (the adjustable range is 000-255) up or down, and save the value by the confirm key. The default value is 128.          |
|                             | 6 、<br>YMode<br>amplitude  | Change the value of the Y mode amplitude parameter (adjustable range 000-255) up or down, and save the confirm key. The default value is 128.                    |
|                             | 7、 Zoom                    | Modify the operation parameter value of the focusing motor up or down (adjustable range 000-255), save the confirm key, the default is 255.                      |
|                             | 8、 Dimmer                  | Change the value of the dimmer parameter (the adjustable range is 000-255) up or down, and save the Settings by the confirm key. The default value is 255.       |
|                             | 9、 Strobe                  | Change the stroboscopic parameter value in the upward or downward direction (adjustable range 000-255), and save the confirmation key. The default value is 000. |
|                             | 10、 Red                    | Change the red bead brightness up or down (adjustable range 000-255), and save the confirm key. The default is 255.                                              |
|                             | 11、 Green                  | Change the green bead brightness up or down (adjustable range 000-255), and save the confirm key. The default is 255.                                            |
|                             | 12、 Blue                   | Change the brightness of the blue bead up or down (adjustable range 000-255), and save the confirm key. The default is 255.                                      |
|                             | 13、 White                  | Change the brightness of the white lamp bead up or down (adjustable range 000-255), and save the confirm key. The default is 255.                                |
|                             | 14、 Mode                   | Change the mode parameter value up or down (adjustable range 000-255), and save the confirm key. The default value is 255.                                       |
|                             | 15、 Speed                  | Change the value of the speed parameter up or down (adjustable range 000-255), and save it by the confirm key. The default value is 255.                         |

|                       |                                                                      |                                                                                                                                               |                                                                                                 |
|-----------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|                       | 16<br>、<br>Background color                                          | Change the value of the speed parameter up or down (adjustable range 000-255), and save it by the confirm key. The default value is 255.      |                                                                                                 |
|                       | 17<br>、<br>Background color Dimmer                                   | Change the background tone light parameter value up or down (adjustable range 000-255), and save the confirm key. The default value is 255.   |                                                                                                 |
|                       | 18、Reset                                                             | Yes/No                                                                                                                                        |                                                                                                 |
| 4、<br>Display setting | 1、<br>Language selection                                             | Select Chinese /EN (English) up or down, and click OK to save. The default is Chinese.                                                        |                                                                                                 |
|                       | 2、<br>Backward display setting                                       | Select up or down to turn off/Turn on the backward display Settings. The confirm key saves the Settings. The default Settings are turned off. |                                                                                                 |
|                       | 3 、<br>Screen saver                                                  | Select up or down to disable or enable the screen saver. The confirm key saves the Settings.                                                  |                                                                                                 |
|                       | 4 、<br>Software version                                              | 04XZ                                                                                                                                          |                                                                                                 |
| 5、<br>Factor y setup  | Factory setup display please enter password! Change it up or down to | 1、 Y1 calibrate                                                                                                                               | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
|                       |                                                                      | 2、 F1 calibrate                                                                                                                               | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
|                       | 138 and press the Confirm button to enter the factory Settings.      | 3、 Y2 calibrate                                                                                                                               | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
|                       |                                                                      | 4、 F2 calibrate                                                                                                                               | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
|                       |                                                                      | 5、 Y3 calibrate                                                                                                                               | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |

|                 |                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------|
| 6、F3 calibrate  | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
| 7、Y4 calibrate  | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
| 8、F4 calibrate  | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
| 9、Y5 calibrate  | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
| 10、F5 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
| 11、Y6 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
| 12、F6 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
| 13、Y7 calibrate | Modify the value in the upward or downward direction (range 000-255).                           |
|                 | The default value is 128.                                                                       |
| 14、F7 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
| 15、Y8 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
| 16、F8 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
| 17、Y9 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
| 18、F9 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |

|  |  |                  |                                                                                                 |
|--|--|------------------|-------------------------------------------------------------------------------------------------|
|  |  | 19、Y10 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
|  |  | 20、F10 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
|  |  | 21、Y11 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
|  |  | 22、F11 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
|  |  | 23、Y12 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
|  |  | 24、F12 calibrate | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
|  |  |                  | downward direction (range 000-255). The default value is 128.                                   |
|  |  | 25、Y journey     | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
|  |  | 26、Zoom journey  | Modify the value in the upward or downward direction (range 000-255). The default value is 128. |
|  |  | 27、Red           | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 28、Green         | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 29、Blue          | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 30、White         | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 31、Red           | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |

|  |  |          |                                                                                                 |
|--|--|----------|-------------------------------------------------------------------------------------------------|
|  |  | 32、Green | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 33、Blue  | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 34、White | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 35、Red   | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 36、Green | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 37、Blue  | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 38、White | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 39、Red   | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 40、Green | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 41、Blue  | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 42、White | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 43、Red   | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 44、Green | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |

|  |  |          |                                                                                                 |
|--|--|----------|-------------------------------------------------------------------------------------------------|
|  |  | 45、Blue  | Modify the value in the upward or downward direction (range 000-255).                           |
|  |  |          | The default value is 255.                                                                       |
|  |  | 46、White | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 47、Red   | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 48、Green | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 49、Blue  | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 50、White | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 51、Red   | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 52、Green | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 53、Blue  | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 54、White | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 55、Red   | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 56、Green | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 57、Blue  | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |

|  |  |          |                                                                                                 |
|--|--|----------|-------------------------------------------------------------------------------------------------|
|  |  | 58、White | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 59、Red   | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 60、Green | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 61、Blue  | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 62、White | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 63、Red   | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 64、Green | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 65、Blue  | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 66、White | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 67、Red   | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 68、Green | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 69、Blue  | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |
|  |  | 70、White | Modify the value in the upward or downward direction (range 000-255). The default value is 255. |

|  |  |                              |                                                                                                                                   |
|--|--|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
|  |  | 71、Red                       | Modify the value in the upward or downward direction (range 000-255). The default value is 255.                                   |
|  |  | 72、Green                     | Modify the value in the upward or downward direction (range 000-255). The default value is 255.                                   |
|  |  | 73、Blue                      | Modify the value in the upward or downward direction (range 000-255). The default value is 255.                                   |
|  |  | 74、White                     | Modify the value in the upward or downward direction (range 000-255). The default value is 255.                                   |
|  |  | 75、LED direction             | Modify the value in the upward or downward direction (range 000-255). The default value is 000.                                   |
|  |  | 76、Electric current          | Modify the value in the upward or downward direction (range 000-255). The default value is 230.                                   |
|  |  | 77、LOGO                      | LOGO change                                                                                                                       |
|  |  | 78、Temperature               | The default temperature is 45                                                                                                     |
|  |  | 79、Temperature control - Fan | Open/Off                                                                                                                          |
|  |  | 80、LED direction             | LEDSequential switching                                                                                                           |
|  |  | 81、YF direction              | Change the YF direction parameter (range 000-255) up or down, and save the Settings by the confirm key. The default value is 000. |

## DMX Channel Tablee

### DMX 512 20CHs

| Channel | Value       | Function |
|---------|-------------|----------|
| CH1     | Tilt        | 0-255    |
| CH2     | Tilt Fine   | 255      |
| CH3     | Tilt Speed  | 0-255    |
| CH4     | Tilt Macro  | 0-255    |
| CH5     | CTC         | 0-255    |
| CH6     | Color Macro | 0-255    |
| CH7     | Pattern     | 0-255    |

|      |                         |       |
|------|-------------------------|-------|
| CH8  | LED built-in            | 0-255 |
| CH9  | LED built-in speed      | 0-255 |
| CH10 | LED built-in delay      | 0-255 |
| CH11 | Background color        | 0-255 |
| CH12 | Background color dimmer | 0-255 |
| CH13 | Dimmer                  | 0-255 |
| CH14 | Strobe                  | 0-255 |
| CH15 | Zoom                    | 0-255 |
| CH16 | Control                 | 0-255 |
| CH17 | Red                     | 0-255 |
| CH18 | Green                   | 0-255 |
| CH19 | Blue                    | 0-255 |
| CH20 | White                   | 0-255 |

## DMX 512      53CHs

| Channel | Value        | Function |
|---------|--------------|----------|
| CH1     | Tilt 1       | 0-255    |
| CH2     | Fine Tilt 1  | 0-255    |
| CH3     | Tilt 2       | 0-255    |
| CH4     | Fine Tilt 2  | 0-255    |
| CH5     | Tilt 3       | 0-255    |
| CH6     | Fine Tilt 3  | 0-255    |
| CH7     | Tilt 4       | 0-255    |
| CH8     | Fine Tilt 4  | 0-255    |
| CH9     | Tilt 5       | 0-255    |
| CH10    | Fine Tilt 5  | 0-255    |
| CH11    | Tilt 6       | 0-255    |
| CH12    | Fine Tilt 6  | 0-255    |
| CH13    | Tilt 7       | 0-255    |
| CH14    | Fine Tilt 7  | 0-255    |
| CH15    | Tilt 8       | 0-255    |
| CH16    | Fine Tilt 8  | 0-255    |
| CH17    | Tilt 9       | 0-255    |
| CH18    | Fine Tilt 9  | 0-255    |
| CH19    | Tilt 10      | 0-255    |
| CH20    | Fine Tilt 10 | 0-255    |
| CH21    | Tilt 11      | 0-255    |
| CH22    | Fine Tilt 11 | 0-255    |
| CH23    | Tilt 12      | 0-255    |
| CH24    | Fine Tilt 12 | 0-255    |
| CH25    | Tilt Speed   | 0-255    |
| CH26    | Tilt Macro   | 0-255    |

|      |                         |       |
|------|-------------------------|-------|
| CH27 | CTC                     | 0-255 |
| CH28 | Color Macro             | 0-255 |
| CH29 | Pattern                 | 0-255 |
| CH30 | LED built-in            | 0-255 |
| CH31 | LED built-in speed      | 0-255 |
| CH32 | LED built-in delay      | 0-255 |
| CH33 | Background color        | 0-255 |
| CH34 | Background color dimmer | 0-255 |
| CH35 | Dimmer                  | 0-255 |
| CH36 | Strobe                  | 0-255 |
| CH37 | Zoom 1                  | 0-255 |
| CH38 | Zoom 2                  | 0-255 |
| CH39 | Zoom 3                  | 0-255 |
| CH40 | Zoom 4                  | 0-255 |
| CH41 | Zoom 5                  | 0-255 |
| CH42 | Zoom 6                  | 0-255 |
| CH43 | Zoom 7                  | 0-255 |
| CH44 | Zoom 8                  | 0-255 |
| CH45 | Zoom 9                  | 0-255 |
| CH46 | Zoom 10                 | 0-255 |
| CH47 | Zoom 11                 | 0-255 |
| CH48 | Zoom 12                 | 0-255 |
| CH49 | Control                 | 0-255 |
| CH50 | Red                     | 0-255 |
| CH51 | Green                   | 0-255 |
| CH52 | Blue                    | 0-255 |
| CH53 | White                   | 0-255 |

## DMX 512 101Chs

| Channel | Value       | Function |
|---------|-------------|----------|
| CH1     | Tilt 1      | 0-255    |
| CH2     | Fine Tilt 1 | 0-255    |
| CH3     | Tilt 2      | 0-255    |
| CH4     | Fine Tilt 2 | 0-255    |
| CH5     | Tilt 3      | 0-255    |
| CH6     | Fine Tilt 3 | 0-255    |
| CH7     | Tilt 4      | 0-255    |
| CH8     | Fine Tilt 4 | 0-255    |
| CH9     | Tilt 5      | 0-255    |
| CH10    | Fine Tilt 5 | 0-255    |
| CH11    | Tilt 6      | 0-255    |
| CH12    | Fine Tilt 6 | 0-255    |

|      |                         |       |
|------|-------------------------|-------|
| CH13 | Tilt 7                  | 0-255 |
| CH14 | Fine Tilt 7             | 0-255 |
| CH15 | Tilt 8                  | 0-255 |
| CH16 | Fine Tilt 8             | 0-255 |
| CH17 | Tilt 9                  | 0-255 |
| CH18 | Fine Tilt 9             | 0-255 |
| CH19 | Tilt 10                 | 0-255 |
| CH20 | Fine Tilt 10            | 0-255 |
| CH21 | Tilt 11                 | 0-255 |
| CH22 | Fine Tilt 11            | 0-255 |
| CH23 | Tilt 12                 | 0-255 |
| CH24 | Fine Tilt 12            | 0-255 |
| CH25 | Tilt Speed              | 0-255 |
| CH26 | Tilt Macro              | 0-255 |
| CH27 | CTC                     | 0-255 |
| CH28 | Color Macro             | 0-255 |
| CH29 | Pattern                 | 0-255 |
| CH30 | LED built-in            | 0-255 |
| CH31 | LED built-in speed      | 0-255 |
| CH32 | LED built-in delay      | 0-255 |
| CH33 | Background color        | 0-255 |
| CH34 | Background color dimmer | 0-255 |
| CH35 | Dimmer                  | 0-255 |
| CH36 | Strobe                  | 0-255 |
| CH37 | Zoom 1                  | 0-255 |
| CH38 | Zoom 2                  | 0-255 |
| CH39 | Zoom 3                  | 0-255 |
| CH40 | Zoom 4                  | 0-255 |
| CH41 | Zoom 5                  | 0-255 |
| CH42 | Zoom 6                  | 0-255 |
| CH43 | Zoom 7                  | 0-255 |
| CH44 | Zoom 8                  | 0-255 |
| CH45 | Zoom 9                  | 0-255 |
| CH46 | Zoom 10                 | 0-255 |
| CH47 | Zoom 11                 | 0-255 |
| CH48 | Zoom 12                 | 0-255 |
| CH49 | Control                 | 0-255 |
| CH50 | Red                     | 0-255 |
| CH51 | Green                   | 0-255 |
| CH52 | Blue                    | 0-255 |
| CH53 | White                   | 0-255 |
| CH54 | Red 1                   | 0-255 |
| CH55 | Green 1                 | 0-255 |

|      |          |       |
|------|----------|-------|
| CH56 | Blue 1   | 0-255 |
| CH57 | White 1  | 0-255 |
| CH58 | Red 2    | 0-255 |
| CH59 | Green 2  | 0-255 |
| CH60 | Blue 2   | 0-255 |
| CH61 | White 2  | 0-255 |
| CH62 | Red 3    | 0-255 |
| CH63 | Green 3  | 0-255 |
| CH64 | Blue 3   | 0-255 |
| CH65 | White 3  | 0-255 |
| CH66 | Red 4    | 0-255 |
| CH67 | Green 4  | 0-255 |
| CH68 | Blue 4   | 0-255 |
| CH69 | White 4  | 0-255 |
| CH70 | Red 5    | 0-255 |
| CH71 | Green 5  | 0-255 |
| CH72 | Blue 5   | 0-255 |
| CH73 | White 5  | 0-255 |
| CH74 | Red 6    | 0-255 |
| CH75 | Green 6  | 0-255 |
| CH76 | Blue 6   | 0-255 |
| CH77 | White 6  | 0-255 |
| CH78 | Red 7    | 0-255 |
| CH79 | Green 7  | 0-255 |
| CH80 | Blue 7   | 0-255 |
| CH81 | White 7  | 0-255 |
| CH82 | Red 8    | 0-255 |
| CH83 | Green 8  | 0-255 |
| CH84 | Blue 8   | 0-255 |
| CH85 | White 8  | 0-255 |
| CH86 | Red 9    | 0-255 |
| CH87 | Green 9  | 0-255 |
| CH88 | Blue 9   | 0-255 |
| CH89 | White 9  | 0-255 |
| CH90 | Red 10   | 0-255 |
| CH91 | Green 10 | 0-255 |
| CH92 | Blue 10  | 0-255 |
| CH93 | White 10 | 0-255 |
| CH94 | Red 11   | 0-255 |
| CH95 | Green 11 | 0-255 |
| CH96 | Blue 11  | 0-255 |
| CH97 | White 11 | 0-255 |
| CH98 | Red 12   | 0-255 |
| CH99 | Green 12 | 0-255 |

|       |          |       |
|-------|----------|-------|
| CH100 | Blue 12  | 0-255 |
| CH101 | White 12 | 0-255 |

## DMX 512 155Chs

| Channel | Value                        | Function |
|---------|------------------------------|----------|
| CH1     | Tilt 1                       | 0-255    |
| CH2     | Fine Tilt 1                  | 0-255    |
| CH3     | Tilt 2                       | 0-255    |
| CH4     | Fine Tilt 2                  | 0-255    |
| CH5     | Tilt 3                       | 0-255    |
| CH6     | Fine Tilt 3                  | 0-255    |
| CH7     | Tilt 4                       | 0-255    |
| CH8     | Fine Tilt 4                  | 0-255    |
| CH9     | Tilt 5                       | 0-255    |
| CH10    | Fine Tilt 5                  | 0-255    |
| CH11    | Tilt 6                       | 0-255    |
| CH12    | Fine Tilt 6                  | 0-255    |
| CH13    | Tilt 7                       | 0-255    |
| CH14    | Fine Tilt 7                  | 0-255    |
| CH15    | Tilt 8                       | 0-255    |
| CH16    | Fine Tilt 8                  | 0-255    |
| CH17    | Tilt 9                       | 0-255    |
| CH18    | Fine Tilt 9                  | 0-255    |
| CH19    | Tilt 10                      | 0-255    |
| CH20    | Fine Tilt 10                 | 0-255    |
| CH21    | Tilt 11                      | 0-255    |
| CH22    | Fine Tilt 11                 | 0-255    |
| CH23    | Tilt 12                      | 0-255    |
| CH24    | Fine Tilt 12                 | 0-255    |
| CH25    | Tilt Speed                   | 0-255    |
| CH26    | Tilt Macro                   | 0-255    |
| CH27    | CTC                          | 0-255    |
| CH28    | Color Macro                  | 0-255    |
| CH29    | Pattern                      | 0-255    |
| CH30    | LED built-in                 | 0-255    |
| CH31    | LED built-in speed           | 0-255    |
| CH32    | LED built-in delay           | 0-255    |
| CH33    | Background color             | 0-255    |
| CH34    | Background color dimmer      | 0-255    |
| CH35    | Background color fine dimmer | 0-255    |
| CH36    | Dimmer                       | 0-255    |

|      |              |       |
|------|--------------|-------|
| CH37 | Fine Dimmer  | 0-255 |
| CH38 | Strobe       | 0-255 |
| CH39 | Zoom 1       | 0-255 |
| CH40 | Zoom 2       | 0-255 |
| CH41 | Zoom 3       | 0-255 |
| CH42 | Zoom 4       | 0-255 |
| CH43 | Zoom 5       | 0-255 |
| CH44 | Zoom 6       | 0-255 |
| CH45 | Zoom 7       | 0-255 |
| CH46 | Zoom 8       | 0-255 |
| CH47 | Zoom 9       | 0-255 |
| CH48 | Zoom 10      | 0-255 |
| CH49 | Zoom 11      | 0-255 |
| CH50 | Zoom 12      | 0-255 |
| CH51 | Control      | 0-255 |
| CH52 | Red          | 0-255 |
| CH53 | Fine Red     | 0-255 |
| CH54 | Green        | 0-255 |
| CH55 | Fine Green   | 0-255 |
| CH56 | Blue         | 0-255 |
| CH57 | Fine Blue    | 0-255 |
| CH58 | White        | 0-255 |
| CH59 | Fine White   | 0-255 |
| CH60 | Red 1        | 0-255 |
| CH61 | Fine Red 1   | 0-255 |
| CH62 | Green 1      | 0-255 |
| CH63 | Fine Green 1 | 0-255 |
| CH64 | Blue 1       | 0-255 |
| CH65 | Fine Blue 1  | 0-255 |
| CH66 | White 1      | 0-255 |
| CH67 | Fine White 1 | 0-255 |
| CH68 | Red 2        | 0-255 |
| CH69 | Fine Red 2   | 0-255 |
| CH70 | Green 2      | 0-255 |
| CH71 | Fine Green 2 | 0-255 |
| CH72 | Blue 2       | 0-255 |
| CH73 | Fine Blue 2  | 0-255 |
| CH74 | White 2      | 0-255 |
| CH75 | Fine White 2 | 0-255 |
| CH76 | Red          | 0-255 |
| CH77 | Fine Red 3   | 0-255 |
| CH78 | Green 3      | 0-255 |
| CH79 | Fine Green 3 | 0-255 |
| CH80 | Blue 3       | 0-255 |

|       |              |       |
|-------|--------------|-------|
| CH81  | Fine Blue 3  | 0-255 |
| CH82  | White 3      | 0-255 |
| CH83  | Fine White 3 | 0-255 |
| CH84  | Red 4        | 0-255 |
| CH85  | Fine Red 4   | 0-255 |
| CH86  | Green 4      | 0-255 |
| CH87  | Fine Green 4 | 0-255 |
| CH88  | Blue 4       | 0-255 |
| CH89  | Fine Blue 4  | 0-255 |
| CH90  | White 4      | 0-255 |
| CH91  | Fine White 4 | 0-255 |
| CH92  | Red 5        | 0-255 |
| CH93  | Fine Red 5   | 0-255 |
| CH94  | Green 5      | 0-255 |
| CH95  | Fine Green 5 | 0-255 |
| CH96  | Blue 5       | 0-255 |
| CH97  | Fine Blue 5  | 0-255 |
| CH98  | White 5      | 0-255 |
| CH99  | Fine White 5 | 0-255 |
| CH100 | Red 6        | 0-255 |
| CH101 | Fine Red 6   | 0-255 |
| CH102 | Green 6      | 0-255 |
| CH103 | Fine Green 6 | 0-255 |
| CH104 | Blue 6       | 0-255 |
| CH105 | Fine Blue 6  | 0-255 |
| CH106 | White 6      | 0-255 |
| CH107 | Fine White 6 | 0-255 |
| CH108 | Red 7        | 0-255 |
| CH109 | Fine Red 7   | 0-255 |
| CH110 | Green 7      | 0-255 |
| CH111 | Fine Green 7 | 0-255 |
| CH112 | Blue 7       | 0-255 |
| CH113 | Fine Blue 7  | 0-255 |
| CH114 | White 7      | 0-255 |
| CH115 | Fine White 7 | 0-255 |
| CH116 | Red 8        | 0-255 |
| CH117 | Fine Red 8   | 0-255 |
| CH118 | Green 8      | 0-255 |
| CH119 | Fine Green 8 | 0-255 |
| CH120 | Blue 8       | 0-255 |
| CH121 | Fine Blue 8  | 0-255 |
| CH122 | White 8      | 0-255 |
| CH123 | Fine White 8 | 0-255 |
| CH124 | Red 9        | 0-255 |

|       |               |       |
|-------|---------------|-------|
| CH125 | Fine Red 9    | 0-255 |
| CH126 | Green 9       | 0-255 |
| CH127 | Fine Green 9  | 0-255 |
| CH128 | Blue 9        | 0-255 |
| CH129 | Fine Blue 9   | 0-255 |
| CH130 | White 9       | 0-255 |
| CJ131 | Fine White 9  | 0-255 |
| CH132 | Red 10        | 0-255 |
| CH133 | Fine Red 10   | 0-255 |
| CH134 | Green 10      | 0-255 |
| CH135 | Fine Green 10 | 0-255 |
| CH136 | Blue 10       | 0-255 |
| CH137 | Fine Blue 10  | 0-255 |
| CH138 | White 10      | 0-255 |
| CH139 | Fine White 10 | 0-255 |
| CH140 | Red 11        | 0-255 |
| CH141 | Fine Red 11   | 0-255 |
| CH142 | Green 11      | 0-255 |
| CH143 | Fine Green 11 | 0-255 |
| CH144 | Blue 11       | 0-255 |
| CH145 | Fine Blue 11  | 0-255 |
| CH146 | White 11      | 0-255 |
| CH147 | Fine White 11 | 0-255 |
| CH148 | Red 12        | 0-255 |
| CH149 | Fine Red 12   | 0-255 |
| CH150 | Green 12      | 0-255 |
| CH151 | Fine Green 12 | 0-255 |
| CH152 | Blue 12       | 0-255 |
| CH153 | Fine Blue 12  | 0-255 |
| CH154 | White 12      | 0-255 |
| CH155 | Fine White 12 | 0-255 |

## DMX 512 169AChs

| Channel | Value        | Function |
|---------|--------------|----------|
| CH1     | Control      | 0-255    |
| CH2     | Tilt Speed   | 0-255    |
| CH3     | Tilt Macro   | 0-255    |
| CH4     | CTC          | 0-255    |
| CH5     | Color Macro  | 0-255    |
| CH6     | Pattern      | 0-255    |
| CH7     | LED built-in | 0-255    |

|      |                              |       |
|------|------------------------------|-------|
| CH8  | LED built-in speed           | 0-255 |
| CH9  | LED built-in delay           | 0-255 |
| CH10 | Background color             | 0-255 |
| CH11 | Background color dimmer      | 0-255 |
| CH12 | Background color fine dimmer | 0-255 |
| CH13 | Strobe                       | 0-255 |
| CH14 | Tilt 1                       | 0-255 |
| CH15 | Fine Tilt 1                  | 0-255 |
| CH16 | Zoom 1                       | 0-255 |
| CH17 | Dimmer 1                     | 0-255 |
| CH18 | Fine Dimmer 1                | 0-255 |
| CH19 | Red 1                        | 0-255 |
| CH20 | Fine Red 1                   | 0-255 |
| CH21 | Green 1                      | 0-255 |
| CH22 | Fine Green 1                 | 0-255 |
| CH23 | Blue 1                       | 0-255 |
| CH24 | Fine Blue 1                  | 0-255 |
| CH25 | White 1                      | 0-255 |
| CH26 | Fine White 1                 | 0-255 |
| CH27 | Tilt 2                       | 0-255 |
| CH28 | Fine Tilt 2                  | 0-255 |
| CH29 | Zoom 2                       | 0-255 |
| CH30 | Dimmer 2                     | 0-255 |
| CH31 | Fine Dimmer 2                | 0-255 |
| CH32 | Red 2                        | 0-255 |
| CH33 | Fine Red 2                   | 0-255 |
| CH34 | Green 2                      | 0-255 |
| CH35 | Fine Green 2                 | 0-255 |
| CH36 | Blue 2                       | 0-255 |
| CH37 | Fine Blue 2                  | 0-255 |
| CH38 | White 2                      | 0-255 |
| CH39 | Fine White 2                 | 0-255 |
| CH40 | Tilt 3                       | 0-255 |
| CH41 | Fine Tilt 3                  | 0-255 |
| CH42 | Zoom 3                       | 0-255 |
| CH43 | Dimmer 3                     | 0-255 |
| CH44 | Fine Dimmer 3                | 0-255 |
| CH45 | Red 3                        | 0-255 |
| CH46 | Fine Red 3                   | 0-255 |
| CH47 | Green 3                      | 0-255 |
| CH48 | Fine Green 3                 | 0-255 |
| CH49 | Blue 3                       | 0-255 |

|      |               |       |
|------|---------------|-------|
| CH50 | Fine Blue 3   | 0-255 |
| CH51 | White 3       | 0-255 |
| CH52 | Fine White 3  | 0-255 |
| CH53 | Tilt 4        | 0-255 |
| CH54 | Fine Tilt 4   | 0-255 |
| CH55 | Zoom 4        | 0-255 |
| CH56 | Dimmer 4      | 0-255 |
| CH57 | Fine Dimmer 4 | 0-255 |
| CH58 | Red 4         | 0-255 |
| CH59 | Fine Red 4    | 0-255 |
| CH60 | Green 4       | 0-255 |
| CH61 | Fine Green 4  | 0-255 |
| CH62 | Blue 4        | 0-255 |
| CH63 | Fine Blue 4   | 0-255 |
| CH64 | White 4       | 0-255 |
| CH65 | Fine White 4  | 0-255 |
| CH66 | Tilt 5        | 0-255 |
| CH67 | Fine Tilt 5   | 0-255 |
| CH68 | Zoom 5        | 0-255 |
| CH69 | Dimmer 5      | 0-255 |
| CH70 | Fine Dimmer 5 | 0-255 |
| CH71 | Red 5         | 0-255 |
| CH72 | Fine Red 5    | 0-255 |
| CH73 | Green 5       | 0-255 |
| CH74 | Fine Green 5  | 0-255 |
| CH75 | Blue 5        | 0-255 |
| CH76 | Fine Blue 5   | 0-255 |
| CH77 | White 5       | 0-255 |
| CH78 | Fine White 5  | 0-255 |
| CH79 | Tilt 6        | 0-255 |
| CH80 | Fine Tilt 6   | 0-255 |
| CH81 | Zoom 6        | 0-255 |
| CH82 | Dimmer 6      | 0-255 |
| CH83 | Fine Dimmer 6 | 0-255 |
| CH84 | Red 6         | 0-255 |
| CH85 | Fine Red 6    | 0-255 |
| CH86 | Green 6       | 0-255 |
| CH87 | Fine Green 6  | 0-255 |
| CH88 | Blue 6        | 0-255 |
| CH89 | Fine Blue 6   | 0-255 |
| CH90 | White 6       | 0-255 |
| CH91 | Fine White 6  | 0-255 |
| CH92 | Tilt 7        | 0-255 |
| CH93 | Fine Tilt 7   | 0-255 |

|       |                |       |
|-------|----------------|-------|
| CH94  | Zoom 7         | 0-255 |
| CH95  | Dimmer 7       | 0-255 |
| CH96  | Fine Dimmer 7  | 0-255 |
| CH97  | Red 7          | 0-255 |
| CJH98 | Fine Red 7     | 0-255 |
| CH99  | Green 7        | 0-255 |
| CH100 | Fine Green 7   | 0-255 |
| CH101 | Blue 7         | 0-255 |
| CH102 | Fine Blue 7    | 0-255 |
| CH103 | White 7        | 0-255 |
| CH104 | Fine White 7   | 0-255 |
| CH105 | Tilt 8         | 0-255 |
| CH106 | Fine Tilt 8    | 0-255 |
| CH107 | Zoom 8         | 0-255 |
| CH108 | Dimmer 8       | 0-255 |
| CH109 | Fine Dimmer 8  | 0-255 |
| CH110 | Red 8          | 0-255 |
| CH111 | Fine Red 8     | 0-255 |
| CH112 | Green 8        | 0-255 |
| CH113 | Fine Green 8   | 0-255 |
| CH114 | Blue 8         | 0-255 |
| CH115 | Fine Blue 8    | 0-255 |
| CH116 | White 8        | 0-255 |
| CH117 | Fine White 8   | 0-255 |
| CH118 | Tilt 9         | 0-255 |
| CH119 | Fine Tilt 9    | 0-255 |
| CH120 | Zoom 9         | 0-255 |
| CH121 | Dimmer 9       | 0-255 |
| CH122 | Fine Dimmer 9  | 0-255 |
| CH123 | Red 9          | 0-255 |
| CH124 | Fine Red 9     | 0-255 |
| CH125 | Green 9        | 0-255 |
| CH126 | Fine Green 9   | 0-255 |
| CH127 | Blue 9         | 0-255 |
| CH128 | Fine Blue 9    | 0-255 |
| CH129 | White 9        | 0-255 |
| CH130 | Fine White 9   | 0-255 |
| CH131 | Tilt 10        | 0-255 |
| CH132 | Fine Tilt 10   | 0-255 |
| CH133 | Zoom 10        | 0-255 |
| CH134 | Dimmer 10      | 0-255 |
| CH135 | Fine Dimmer 10 | 0-255 |
| CH136 | Red 10         | 0-255 |
| CH137 | Fine Red 10    | 0-255 |

|       |                |       |
|-------|----------------|-------|
| CH138 | Green 10       | 0-255 |
| CH139 | Fine Green 10  | 0-255 |
| CH140 | Blue 10        | 0-255 |
| CH141 | Fine Blue 10   | 0-255 |
| CH142 | White 10       | 0-255 |
| CH143 | Fine White 10  | 0-255 |
| CH144 | Tilt 11        | 0-255 |
| CH145 | Fine Tilt 11   | 0-255 |
| CH146 | Zoom 11        | 0-255 |
| CH147 | Dimmer 11      | 0-255 |
| CH148 | Fine Dimmer 11 | 0-255 |
| CH149 | Red 11         | 0-255 |
| CH150 | Fine Red 11    | 0-255 |
| CH151 | Green 11       | 0-255 |
| CH152 | Fine Green 11  | 0-255 |
| CH153 | Blue 11        | 0-255 |
| CH154 | Fine Blue 11   | 0-255 |
| CH155 | White 11       | 0-255 |
| CH156 | Fine White 11  | 0-255 |
| CH157 | Tilt 12        | 0-255 |
| CH158 | Fine Tilt 12   | 0-255 |
| CH159 | Zoom 12        | 0-255 |
| CH160 | Dimmer 12      | 0-255 |
| CH161 | Fine Dimmer 12 | 0-255 |
| CH162 | Red 12         | 0-255 |
| CH163 | Fine Red 12    | 0-255 |
| CH164 | Green 12       | 0-255 |
| CH165 | Fine Green 12  | 0-255 |
| CH166 | Blue 12        | 0-255 |
| CH167 | Fine Blue 12   | 0-255 |
| CH168 | White 12       | 0-255 |
| CH169 | Fine White 12  | 0-255 |

## DMX 512 169BChs

| Channel | Value         | Function |
|---------|---------------|----------|
| CH1     | Tilt 1        | 0-255    |
| CH2     | Fine Tilt 1   | 0-255    |
| CH3     | Zoom 1        | 0-255    |
| CH4     | Dimmer 1      | 0-255    |
| CH5     | Fine Dimmer 1 | 0-255    |
| CH6     | Strobe        | 0-255    |

|      |               |       |
|------|---------------|-------|
| CH7  | Red 1         | 0-255 |
| CH8  | Fine Red 1    | 0-255 |
| CH9  | Green 1       | 0-255 |
| CH10 | Fine Green 1  | 0-255 |
| CH11 | Blue 1        | 0-255 |
| CH12 | Fine Blue 1   | 0-255 |
| CH13 | White 1       | 0-255 |
| CH14 | Fine White 1  | 0-255 |
| CH15 | Tilt 2        | 0-255 |
| CH16 | Fine Tilt 2   | 0-255 |
| CH17 | Zoom 2        | 0-255 |
| CH18 | Dimmer 2      | 0-255 |
| CH19 | Fine Dimmer 2 | 0-255 |
| CH20 | Strobe        | 0-255 |
| CH21 | Red 2         | 0-255 |
| CH22 | Fine Red 2    | 0-255 |
| CH23 | Green 2       | 0-255 |
| CH24 | Fine Green 2  | 0-255 |
| CH25 | Blue 2        | 0-255 |
| CH26 | Fine Blue 2   | 0-255 |
| CH27 | White 2       | 0-255 |
| CH28 | Fine White 2  | 0-255 |
| CH29 | Tilt 3        | 0-255 |
| CH30 | Fine Tilt 3   | 0-255 |
| CH31 | Zoom 3        | 0-255 |
| CH32 | Dimmer 3      | 0-255 |
| CH33 | Fine Dimmer 3 | 0-255 |
| CH34 | Strobe        | 0-255 |
| CH35 | Red 3         | 0-255 |
| CH36 | Fine Red 3    | 0-255 |
| CH37 | Green 3       | 0-255 |
| CH38 | Fine Green 3  | 0-255 |
| CH39 | Blue 3        | 0-255 |
| CH40 | Fine Blue 3   | 0-255 |
| CH41 | White 3       | 0-255 |
| CH42 | Fine White 3  | 0-255 |
| CH43 | Tilt 4        | 0-255 |
| CH44 | Fine Tilt 4   | 0-255 |
| CH45 | Zoom 4        | 0-255 |
| CH46 | Dimmer 4      | 0-255 |
| CH47 | Fine Dimmer 4 | 0-255 |
| CH48 | Strobe        | 0-255 |
| CH49 | Red 4         | 0-255 |
| CH50 | Fine Red 4    | 0-255 |

|      |               |       |
|------|---------------|-------|
| CH51 | Green 4       | 0-255 |
| CH52 | Fine Green 4  | 0-255 |
| CH53 | Blue 4        | 0-255 |
| CH54 | Fine Blue 4   | 0-255 |
| CH55 | White 4       | 0-255 |
| CH56 | Fine White 4  | 0-255 |
| CH57 | Tilt 5        | 0-255 |
| CH58 | Fine Tilt 5   | 0-255 |
| CH59 | Zoom 5        | 0-255 |
| CH60 | Dimmer 5      | 0-255 |
| CH61 | Fine Dimmer 5 | 0-255 |
| CH62 | Strobe        | 0-255 |
| CH63 | Red 5         | 0-255 |
| CH64 | Fine Red 5    | 0-255 |
| CH65 | Green 5       | 0-255 |
| CH66 | Fine Green 5  | 0-255 |
| CH67 | Blue 5        | 0-255 |
| CH68 | Fine Blue 5   | 0-255 |
| CH69 | White 5       | 0-255 |
| CH70 | Fine White 5  | 0-255 |
| CH71 | Tilt 6        | 0-255 |
| CH72 | Fine Tilt 6   | 0-255 |
| CH73 | Zoom 6        | 0-255 |
| CH74 | Dimmer 6      | 0-255 |
| CH75 | Fine Dimmer 6 | 0-255 |
| CH76 | Strobe        | 0-255 |
| CH77 | Red 6         | 0-255 |
| CH78 | Fine Red 6    | 0-255 |
| CH79 | Green 6       | 0-255 |
| CH80 | Fine Green 6  | 0-255 |
| CH81 | Blue 6        | 0-255 |
| CH82 | Fine Blue 6   | 0-255 |
| CH83 | White 6       | 0-255 |
| CH84 | Fine White 6  | 0-255 |
| CH85 | Tilt 7        | 0-255 |
| CH86 | Fine Tilt 7   | 0-255 |
| CH87 | Zoom 7        | 0-255 |
| CH88 | Dimmer 7      | 0-255 |
| CH89 | Fine Dimmer 7 | 0-255 |
| CH90 | Strobe        | 0-255 |
| CH91 | Red 7         | 0-255 |
| CH92 | Fine Red 7    | 0-255 |
| CH93 | Green 7       | 0-255 |
| CH94 | Fine Green 7  | 0-255 |

|       |                |       |
|-------|----------------|-------|
| CH95  | Blue 7         | 0-255 |
| CH96  | Fine Blue 7    | 0-255 |
| CH97  | White 7        | 0-255 |
| CJH98 | Fine White 7   | 0-255 |
| CH99  | Tilt 8         | 0-255 |
| CH100 | Fine Tilt 8    | 0-255 |
| CH101 | Zoom 8         | 0-255 |
| CH102 | Dimmer 8       | 0-255 |
| CH103 | Fine Dimmer 8  | 0-255 |
| CH104 | Strobe         | 0-255 |
| CH105 | Red 8          | 0-255 |
| CH106 | Fine Red 8     | 0-255 |
| CH107 | Green 8        | 0-255 |
| CH108 | Fine Green 8   | 0-255 |
| CH109 | Blue 8         | 0-255 |
| CH110 | Fine Blue 8    | 0-255 |
| CH111 | White 8        | 0-255 |
| CH112 | Fine White 8   | 0-255 |
| CH113 | Tilt 9         | 0-255 |
| CH114 | Fine Tilt 9    | 0-255 |
| CH115 | Zoom 9         | 0-255 |
| CH116 | Dimmer 9       | 0-255 |
| CH117 | Fine Dimmer 9  | 0-255 |
| CH118 | Strobe         | 0-255 |
| CH119 | Red 9          | 0-255 |
| CH120 | Fine Red 9     | 0-255 |
| CH121 | Green 9        | 0-255 |
| CH122 | Fine Green 9   | 0-255 |
| CH123 | Blue 9         | 0-255 |
| CH124 | Fine Blue 9    | 0-255 |
| CH125 | White 9        | 0-255 |
| CH126 | Fine White 9   | 0-255 |
| CH127 | Tilt 10        | 0-255 |
| CH128 | Fine Tilt 10   | 0-255 |
| CH129 | Zoom 10        | 0-255 |
| CH130 | Dimmer 10      | 0-255 |
| CH131 | Fine Dimmer 10 | 0-255 |
| CH132 | Strobe         | 0-255 |
| CH133 | Red 10         | 0-255 |
| CH134 | Fine Red 10    | 0-255 |
| CH135 | Green 10       | 0-255 |
| CH136 | Fine Green 10  | 0-255 |
| CH137 | Blue 10        | 0-255 |
| CH138 | Fine Blue 10   | 0-255 |

|       |                |       |
|-------|----------------|-------|
| CH139 | White 10       | 0-255 |
| CH140 | Fine White 10  | 0-255 |
| CH141 | Tilt 11        | 0-255 |
| CH142 | Fine Tilt 11   | 0-255 |
| CH143 | Zoom 11        | 0-255 |
| CH144 | Dimmer 11      | 0-255 |
| CH145 | Fine Dimmer 11 | 0-255 |
| CH146 | Strobe         | 0-255 |
| CH147 | Red 11         | 0-255 |
| CH148 | Fine Red 11    | 0-255 |
| CH149 | Green 11       | 0-255 |
| CH150 | Fine Green 11  | 0-255 |
| CH151 | Blue 11        | 0-255 |
| CH152 | Fine Blue 11   | 0-255 |
| CH153 | White 11       | 0-255 |
| CH154 | Fine White 11  | 0-255 |
| CH155 | Tilt 12        | 0-255 |
| CH156 | Fine Tilt 12   | 0-255 |
| CH157 | Zoom 12        | 0-255 |
| CH158 | Dimmer 12      | 0-255 |
| CH159 | Fine Dimmer 12 | 0-255 |
| CH160 | Strobe         | 0-255 |
| CH161 | Red 12         | 0-255 |
| CH162 | Fine Red 12    | 0-255 |
| CH163 | Green 12       | 0-255 |
| CH164 | Fine Green 12  | 0-255 |
| CH165 | Blue 12        | 0-255 |
| CH166 | Fine Blue 12   | 0-255 |
| CH167 | White 12       | 0-255 |
| CH168 | Fine White 12  | 0-255 |
| CH169 | Control        | 0-255 |

## DMX 512 179Chs

| Channel | Value       | Function |
|---------|-------------|----------|
| CH1     | Tilt 1      | 0-255    |
| CH2     | Fine Tilt 1 | 0-255    |
| CH3     | Tilt 2      | 0-255    |
| CH4     | Fine Tilt 2 | 0-255    |
| CH5     | Tilt 3      | 0-255    |
| CH6     | Fine Tilt 3 | 0-255    |
| CH7     | Tilt 4      | 0-255    |
| CH8     | Fine Tilt 4 | 0-255    |

|      |                                 |       |
|------|---------------------------------|-------|
| CH9  | Tilt 5                          | 0-255 |
| CH10 | Fine Tilt 5                     | 0-255 |
| CH11 | Tilt 6                          | 0-255 |
| CH12 | Fine Tilt 6                     | 0-255 |
| CH13 | Tilt 7                          | 0-255 |
| CH14 | Fine Tilt 7                     | 0-255 |
| CH15 | Tilt 8                          | 0-255 |
| CH16 | Fine Tilt 8                     | 0-255 |
| CH17 | Tilt 9                          | 0-255 |
| CH18 | Fine Tilt 9                     | 0-255 |
| CH19 | Tilt 10                         | 0-255 |
| CH20 | Fine Tilt 10                    | 0-255 |
| CH21 | Tilt 11                         | 0-255 |
| CH22 | Fine Tilt 11                    | 0-255 |
| CH23 | Tilt 12                         | 0-255 |
| CH24 | Fine Tilt 12                    | 0-255 |
| CH25 | Tilt Speed                      | 0-255 |
| CH26 | Tilt Macro                      | 0-255 |
| CH27 | CTC                             | 0-255 |
| CH28 | Color Macro                     | 0-255 |
| CH29 | Pattern                         | 0-255 |
| CH30 | LED built-in                    | 0-255 |
| CH31 | LED built-in speed              | 0-255 |
| CH32 | LED built-in delay              | 0-255 |
| CH33 | Background color                | 0-255 |
| CH34 | Background color<br>dimmer      | 0-255 |
| CH35 | Background color fine<br>dimmer | 0-255 |
| CH36 | Dimmer                          | 0-255 |
| CH37 | Fine Dimmer                     | 0-255 |
| CH38 | Strobe                          | 0-255 |
| CH39 | Zoom 1                          | 0-255 |
| CH40 | Zoom 2                          | 0-255 |
| CH41 | Zoom 3                          | 0-255 |
| CH42 | Zoom 4                          | 0-255 |
| CH43 | Zoom 5                          | 0-255 |
| CH44 | Zoom 6                          | 0-255 |
| CH45 | Zoom 7                          | 0-255 |
| CH46 | Zoom 8                          | 0-255 |
| CH47 | Zoom 9                          | 0-255 |
| CH48 | Zoom 10                         | 0-255 |
| CH49 | Zoom 11                         | 0-255 |
| CH50 | Zoom 12                         | 0-255 |

|      |               |       |
|------|---------------|-------|
| CH51 | Control       | 0-255 |
| CH52 | Red           | 0-255 |
| CH53 | Fine Red      | 0-255 |
| CH54 | Green         | 0-255 |
| CH55 | Fine Green    | 0-255 |
| CH56 | Blue          | 0-255 |
| CH57 | Fine Blue     | 0-255 |
| CH58 | White         | 0-255 |
| CH59 | Fine White    | 0-255 |
| CH60 | Dimmer 1      | 0-255 |
| CH61 | Fine Dimmer 1 | 0-255 |
| CH62 | Red 1         | 0-255 |
| CH63 | Fine Red 1    | 0-255 |
| CH64 | Green 1       | 0-255 |
| CH65 | Fine Green 1  | 0-255 |
| CH66 | Blue 1        | 0-255 |
| CH67 | Fine Blue 1   | 0-255 |
| CH68 | White 1       | 0-255 |
| CH69 | Fine White 1  | 0-255 |
| CH70 | Dimmer 2      | 0-255 |
| CH71 | Fine Dimmer 2 | 0-255 |
| CH72 | Red 2         | 0-255 |
| CH73 | Fine Red 2    | 0-255 |
| CH74 | Green 2       | 0-255 |
| CH75 | Fine Green 2  | 0-255 |
| CH76 | Blue 2        | 0-255 |
| CH77 | Fine Blue 2   | 0-255 |
| CH78 | White 2       | 0-255 |
| CH79 | Fine White 2  | 0-255 |
| CH80 | Dimmer 3      | 0-255 |
| CH81 | Fine Dimmer 3 | 0-255 |
| CH82 | Red 3         | 0-255 |
| CH83 | Fine Red 3    | 0-255 |
| CH84 | Green 3       | 0-255 |
| CH85 | Fine Green 3  | 0-255 |
| CH86 | Blue 3        | 0-255 |
| CH87 | Fine Blue 3   | 0-255 |
| CH88 | White 3       | 0-255 |
| CH89 | Fine White 3  | 0-255 |
| CH90 | Dimmer 4      | 0-255 |
| CH91 | Fine Dimmer 4 | 0-255 |
| CH92 | Red 4         | 0-255 |
| CH93 | Fine Red 4    | 0-255 |
| CH94 | Green 4       | 0-255 |

|       |               |       |
|-------|---------------|-------|
| CH95  | Fine Green 4  | 0-255 |
| CH96  | Blue 4        | 0-255 |
| CH97  | Fine Blue 4   | 0-255 |
| CJH98 | White 4       | 0-255 |
| CH99  | Fine White 4  | 0-255 |
| CH100 | Dimmer 5      | 0-255 |
| CH101 | Fine Dimmer 5 | 0-255 |
| CH102 | Red 5         | 0-255 |
| CH103 | Fine Red 5    | 0-255 |
| CH104 | Green 5       | 0-255 |
| CH105 | Fine Green 5  | 0-255 |
| CH106 | Blue 5        | 0-255 |
| CH107 | Fine Blue 5   | 0-255 |
| CH108 | White 5       | 0-255 |
| CH109 | Fine White 5  | 0-255 |
| CH110 | Dimmer 6      | 0-255 |
| CH111 | Fine Dimmer 6 | 0-255 |
| CH112 | Red 6         | 0-255 |
| CH113 | Fine Red 6    | 0-255 |
| CH114 | Green 6       | 0-255 |
| CH115 | Fine Green 6  | 0-255 |
| CH116 | Blue 6        | 0-255 |
| CH117 | Fine Blue 6   | 0-255 |
| CH118 | White 6       | 0-255 |
| CH119 | Fine White 6  | 0-255 |
| CH120 | Dimmer 7      | 0-255 |
| CH121 | Fine Dimmer 7 | 0-255 |
| CH122 | Red 7         | 0-255 |
| CH123 | Fine Red 7    | 0-255 |
| CH124 | Green 7       | 0-255 |
| CH125 | Fine Green 7  | 0-255 |
| CH126 | Blue 7        | 0-255 |
| CH127 | Fine Blue 7   | 0-255 |
| CH128 | White 7       | 0-255 |
| CH129 | Fine White 7  | 0-255 |
| CH130 | Dimmer 8      | 0-255 |
| CH131 | Fine Dimmer 8 | 0-255 |
| CH132 | Red 8         | 0-255 |
| CH133 | Fine Red 8    | 0-255 |
| CH134 | Green 8       | 0-255 |
| CH135 | Fine Green 8  | 0-255 |
| CH136 | Blue 8        | 0-255 |
| CH137 | Fine Blue 8   | 0-255 |
| CH138 | White 8       | 0-255 |

|       |                |       |
|-------|----------------|-------|
| CH139 | Fine White 8   | 0-255 |
| CH140 | Dimmer 9       | 0-255 |
| CH141 | Fine Dimmer 9  | 0-255 |
| CH142 | Red 9          | 0-255 |
| CH143 | Fine Red 9     | 0-255 |
| CH144 | Green 9        | 0-255 |
| CH145 | Fine Green 9   | 0-255 |
| CH146 | Blue 9         | 0-255 |
| CH147 | Fine Blue 9    | 0-255 |
| CH148 | White 9        | 0-255 |
| CH149 | Fine White 9   | 0-255 |
| CH150 | Dimmer 10      | 0-255 |
| CH151 | Fine Dimmer 10 | 0-255 |
| CH121 | Fine Dimmer 7  | 0-255 |
| CH122 | Red 7          | 0-255 |
| CH123 | Fine Red 7     | 0-255 |
| CH124 | Green 7        | 0-255 |
| CH125 | Fine Green 7   | 0-255 |
| CH126 | Blue 7         | 0-255 |
| CH127 | Fine Blue 7    | 0-255 |
| CH128 | White 7        | 0-255 |
| CH129 | Fine White 7   | 0-255 |
| CH130 | Dimmer 8       | 0-255 |
| CH131 | Fine Dimmer 8  | 0-255 |
| CH132 | Red 8          | 0-255 |
| CH133 | Fine Red 8     | 0-255 |
| CH134 | Green 8        | 0-255 |
| CH135 | Fine Green 8   | 0-255 |
| CH136 | Blue 8         | 0-255 |
| CH137 | Fine Blue 8    | 0-255 |
| CH138 | White 8        | 0-255 |
| CH139 | Fine White 8   | 0-255 |
| CH140 | Dimmer 9       | 0-255 |
| CH141 | Fine Dimmer 9  | 0-255 |
| CH142 | Red 9          | 0-255 |
| CH143 | Fine Red 9     | 0-255 |
| CH144 | Green 9        | 0-255 |
| CH145 | Fine Green 9   | 0-255 |
| CH146 | Blue 9         | 0-255 |
| CH147 | Fine Blue 9    | 0-255 |
| CH148 | White 9        | 0-255 |
| CH149 | Fine White 9   | 0-255 |
| CH150 | Dimmer 10      | 0-255 |
| CH151 | Fine Dimmer 10 | 0-255 |

|       |                |       |
|-------|----------------|-------|
| CH152 | Red 10         | 0-255 |
| CH153 | Fine Red 10    | 0-255 |
| CH154 | Green 10       | 0-255 |
| CH155 | Fine Green 10  | 0-255 |
| CH156 | Blue 10        | 0-255 |
| CH157 | Fine Blue 10   | 0-255 |
| CH158 | White 10       | 0-255 |
| CH159 | Fine White 10  | 0-255 |
| CH160 | Dimmer 11      | 0-255 |
| CH161 | Fine Dimmer 11 | 0-255 |
| CH162 | Red 11         | 0-255 |
| CH163 | Fine Red 11    | 0-255 |
| CH164 | Green 11       | 0-255 |
| CH165 | Fine Green 11  | 0-255 |
| CH166 | Blue 11        | 0-255 |
| CH167 | Fine Blue 11   | 0-255 |
| CH168 | White 11       | 0-255 |
| CH169 | Fine White 11  | 0-255 |
| CH170 | Dimmer 12      | 0-255 |
| CH171 | Fine Dimmer 12 | 0-255 |
| CH172 | Red 12         | 0-255 |
| CH173 | Fine Red 12    | 0-255 |
| CH174 | Green 12       | 0-255 |
| CH175 | Fine Green 12  | 0-255 |
| CH176 | Blue 12        | 0-255 |
| CH177 | Fine Blue 12   | 0-255 |
| CH178 | White 12       | 0-255 |
| CH179 | Fine White 12  | 0-255 |

## Trouble Shooting

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

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

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

**b. Not responding to DMX controller**

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.

5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

## Fixture Cleaning

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

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

## REMARK

The product has perfect performance and integrity packing.

All users should be strictly comply with the warning and operating instructions as stated.

Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.