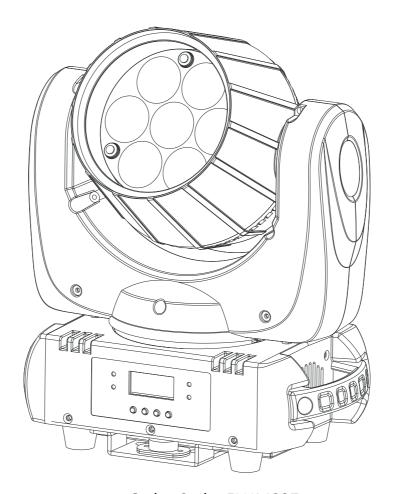
# elumen8

# **KUDOS 100ZS**



Order Code: ELUM037

**User Manual** 

www.prolight.co.uk

## **CONTENTS**

| 1. | Safety Instructions                              | 2 |
|----|--|---|
|    | Technical Specifications                         |   |
|    | How To Set The Unit                              |   |
| Ο. | 3.1 Control Panel                                |   |
|    | 3.2 Main Function                                |   |
|    | 3.3 Home Position Adjustment                     |   |
| 1  | How to Control the Unit                          |   |
| →. | 4.1 Master/Slave Built In Preprogrammed Function |   |
|    | 4.2 DMX Control                                  |   |
|    | 4.3 DMX 512 Configuration                        |   |
| 5. | DMX 512 Connection                               |   |
|    | Troubleshooting                                  |   |
|    | Fixture Cleaning                                 |   |
|    |  |   |

## 1. Safety Instructions



WARNING

Please read the instructions carefully as they include important information about the installation, operation and maintenance.

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 is for indoor use only. Use only in a dry location.
- 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 they may be a
  fire hazard.
- Use safety cables when installing this unit. DO NOT handle the unit by taking its head only, but always carry by its base.
- Maximum ambient temperature is Ta: 40 degrees C. DO NOT operate it where the temperature is higher than this.
- In the event of a 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 power cables during operation as high voltage may cause electric shock.

#### Warning:

 To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture. • The housing and lenses 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 Omega Quick Release Clamp bracket. Always ensure that the

unit is firmly fixed to avoid vibration and slipping while operating. 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

fixtures 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 installed by professionals. It must be installed in a place where is out of

the reach of people and no one can pass by or under it.

2. Technical Specifications

☐ Pan/Tilt: 540°/220°

☐ 3 operation modes: DMX, Master/Slave, Sound Active

☐ DMX channel: 1/8/14 Channel

□ 0~100% smooth dimming

☐ Variable strobe effects

☐ High power LED moving wash with zoom

☐ LCD Display for easy navigation

**Specification:** 

☐ Power Voltage: AC 100-240V, 50/60HZ

☐ Power Consumption: 105W

☐ **Power Cable Daisy Chains:** 8 Fixtures Max. (230V, 50Hz)

3

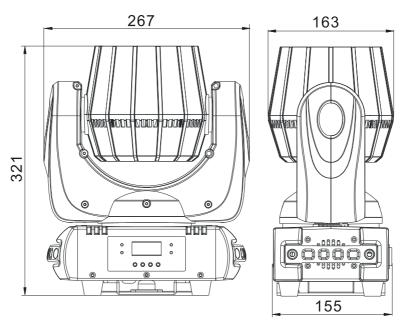
4 Fixtures Max. (120V, 60Hz)

☐ **Light Source**: 7 x 10W OSRAM OSTAR RGBW LED

□ Beam angle:  $10^{\circ} \sim 60^{\circ}$ 

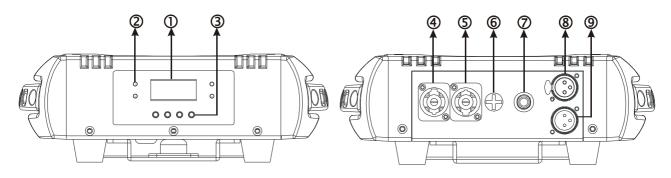
□ **Weight:** 6.2Kgs

☐ **Dimension:** 267 x 163 x 321mm



## 3. How To Set The Unit

## 3.1 Control Panel



## 1. Function Display:

To show the various menus and the selected functions;

#### 2. LED:

| DMX                   | On             | DMX input present |  |
|-----------------------|----------------|-------------------|--|
| MASTER                | On Master Mode |                   |  |
| SLAVE On              |                | Slave Mode        |  |
| <b>SOUND</b> Flashing |                | Sound activation  |  |

#### 3. Button:

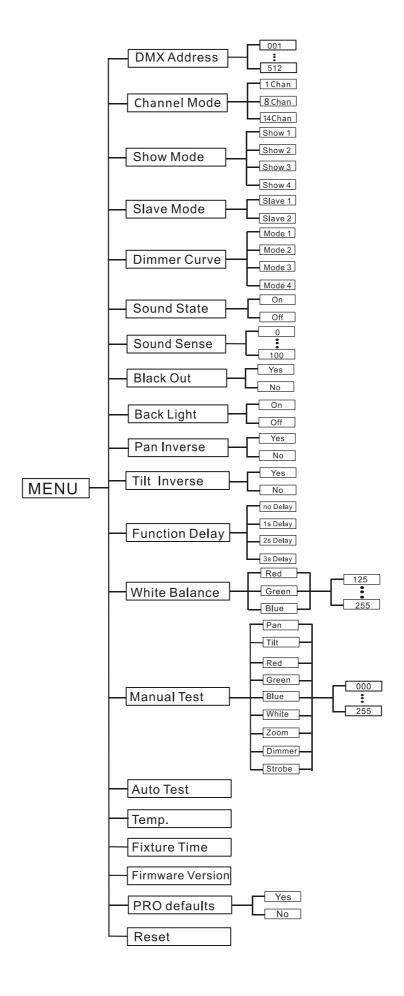
| MENU   | To select the programming functions      |  |
|--------|--|--|
| ▼ DOWN | To go backward in the selected functions |  |
| ▲ UP   | To go forward in the selected functions  |  |
| ENTER  | To confirm the selected functions        |  |

- 4. MAINS IN: PowerCon connection from main power supply
- 5. MAINS OUT: PowerCon loop connection for main power supply to the next unit
- **6. Fuse (T 6.3A):** Protects the unit from over-voltage or short circuit
- 7. ONLY FOR REMOTE CONTROL: Connects with the optional CA-8 to control the unit
- 8. DMX OUT: DMX 512 link, use 3-pin XLR cable to link the next unit and output DMX signal
- 9. DMX IN: DMX 512 link, use 3-pin XLR cable to link the unit and the DMX controller

## 3.2 Main Function

To select any of the given functions, press the **MENU** button up to the required selection as shown on the display. Select the function with the **ENTER** button and the display will blink. Use the **DOWN/UP** buttons to change the mode. Once the required mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

The main functions are shown overleaf:



#### **DMX Address**

To select **DMX Address**, press the **ENTER** button to show the **DMX ADDRESS** on the display. Use the **DOWN/UP** buttons to adjust the address from **001** to **512**. Once the address has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### **Channel Mode**

To select **Channel Mode**, press the **ENTER** button to show the **CHANNEL MODE** on the display. Use the **DOWN/UP** buttons to select the **1 Chan**, **8 Chan** or **14 Chan** mode. Once the mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### Show Mode

To select **Show Mode**, press the **ENTER** button to show the **SHOW MODE** on the display. Use the **DOWN/UP** buttons to select the **Show 1**, **Show 2**, **Show 3** or **Show 4** mode. Once the mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### Slave Mode

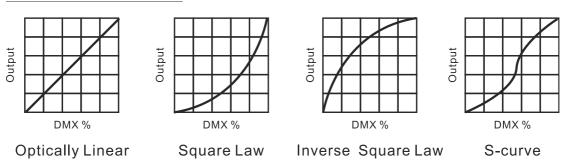
To select **Slave Mode**, press the **ENTER** button to show the **SLAVE MODE** on the display. Use the **DOWN/UP** buttons to select the **Slave 1** or **Slave 2** mode. Once the mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### **Dimmer Curve**

To select **Dimmer Curve**, press the **ENTER** button to show the **DIMMER CURVE** on the display. Use the **DOWN/UP** buttons to select the **Mode 1**, **Mode 2**, **Mode 3** or **Mode 4**. Once the dimmer

mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

## Dimmer Modes



#### Mode 1(Optically Linear):

The increase in light intensity appears to be linear as DMX value is increased.

#### Mode 2(Square Law):

Light intensity control is finer at low levels and coarser at high levels.

#### Mode 3(Inverse Square Law):

Light intensity control is coarser at low levels and finer at high levels.

#### Mode 4(S-curve):

Light intensity control is finer at low levels and high levels and coarser at medium levels.

#### **Sound State**

To select **Sound State**, press the **ENTER** button to show the **SOUND STATE** on the display. Use the **DOWN/UP** buttons to select the **On** (turn on the Sound Mode) or **Off** (Sound Mode off). Once the mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### Sound Sense

To select **Sound Sense**, press the **ENTER** button to show the **SOUND SENSE** on the display. Use the **DOWN/UP** buttons to adjust the sensitivity level, the sensitivity level can be adjusted between 0 (the lowest) and 100 (most sensitive). Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### **Black Out**

To select **Black Out**, press the **ENTER** button to show the **BLACK OUT** on the display. Use the **DOWN/UP** buttons to select the **Yes** (blackout) or **No** (normal). Once selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### **Back Light**

To select **Back Light**, press the **ENTER** button to show the **BACK LIGHT** on the display. Use the **DOWN/UP** buttons to select the **On** (LED display always on) or **Off** (LED display off when not in use). Once selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### Pan Inverse

To select **Pan Inverse**, press the **ENTER** button to show the **PAN INVERSE** on the display. Use the **DOWN/UP** buttons to select **Yes** (pan inversion) or **No** (normal) mode. Once the mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### Tilt Inverse

To select **Tilt Inverse**, press the **ENTER** button to show the **TILT INVERSE** on the display. Use the **DOWN/UP** buttons to select the **Yes** (tilt inversion) or **No**(normal) mode. Once the mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### **Function Delay**

To select the **Function Delay**, press the **ENTER** button to show the **FUNCTION DELAY** on the display. Use the **DOWN/UP** buttons to select **no Delay** or **1S Delay**, **2S Delay**, **3S Delay** (wait for

1/2/3 seconds before these functions for 14CH are activated/deactivated). Once selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### White Balance

To select **White Balance**, press the **ENTER** button to show the **WHITE BALANCE** on the display. Use the **DOWN/UP** buttons to select the **Red** or **Green**, **Blue**. Once the mode has been selected, press the **ENTER** button to setup, use the **DOWN/UP** buttons to adjust the value (125~255). Once selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### **Manual Test**

To select Manual Test, press the ENTER button to show the MANUAL TEST on the display. Use the DOWN/UP buttons to select the Pan/Tilt/Red/Green/Blue/White/Zoom/Dimmer or Strobe. Once you find a function or colour you wish to test, press the ENTER button and use the DOWN/UP buttons to adjust the value (000~255). Once the mode has been selected, press the ENTER button to setup. To go back to the functions without any changes press the MENU button again. Press and hold the MENU button for about one second or wait for one minute to exit the menu mode.

#### **Auto Test**

To select **Auto Test**, press the **ENTER** button and the unit will run self-test with its built-in programs. To go back to the functions press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### Temp.

To select **Temp.**, press the **ENTER** button and the display will show the current temperature of the unit. When the temperature is under 60½, the fixture will work normally; when it's between 65½ and 75½, the fixture will reduce the power output; when it reaches 75½ or higher, the LED will

switch OFF. To go back to the functions press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### **Fixture Time**

To select **Fixture Time**, press the **ENTER** button and the display will show the number of working hours of the unit. To go back to the functions press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### Firmware Version

To select **Firmware Version**, press the **ENTER** button and the display will show the version of software of the unit. To go back to the functions press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

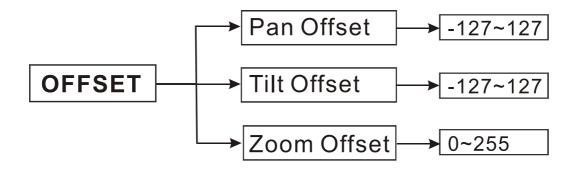
#### PRO defaults

To select **PRO defaults**, press the **ENTER** button to show the **PRO DEFAULTS** on the display. Use the **DOWN/UP** buttons to select the **Yes** (run built-in program to set the fixture to PRO Defaults settings) or **No**. Press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### Reset

To select **Reset**, press the **ENTER** button to show the **RESET** on the display and all channels of the unit will return to their standard position. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### 3.3 Home Position Adjustment



In the main functions, hold the **ENTER** button for at least 3 seconds to go into offset mode, use the **DOWN/UP** buttons up to select the **Pan Offset**, **Tilt Offset** or **Zoom Offset**, and press the **ENTER** button to confirm. Then use the **DOWN/UP** buttons to adjust the home position of the Pan, Tilt, and Zoom. Once the position has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

#### 4. How to Control the Unit

You can operate the unit in two ways:

- 1. Master/slave built-in preprogram function
- 2. Universal DMX controller

You do not need to turn the unit off when you change the DMX address, the new DMX address setting will take effect immediately. Every time you turn the unit on, it will show "Kudos 100ZS" on the display and move all the motors to their 'home' position and you may hear some motor movement noises for about 20 seconds. After that the unit will be ready to receive DMX signal or run the built in programs.

#### 4.1 Master/Slave Built In Preprogrammed Function

By linking the units in master/slave connection, the first unit will control the other units to give an automatic, sound activated, synchronized light show. This function is good when you want an instant show. You have to set the first unit in master mode **Show Mode** and select **show 1** or **show 2** or **show 3** or **show 4** mode. Its DMX input jack will have nothing plugged into it, and its master LED will be constantly on and sound LED will flash to the music. The other units will have

to be set into **slave mode** and select **Slave 1** (normal) or **Slave 2** (2 light show) mode. DMX cables should be plugged into the DMX input jacks (daisy chain) and the slave LEDs will constantly on.

#### 2-light show

In slave mode, **Slave 1** means the unit works normally and **Slave 2** means 2-light show. In order to create a great light show, you can set **Slave 2** on the second unit to get contrast movement to each other, even if you have two units only.

#### 4.2 DMX Controller

By using a universal DMX controller to control the units, you will need to set DMX address from 1 to 512 so that the units can receive DMX signal.

Press the **MENU** button up to where the **DMX Address** is showing on the display. Press the **ENTER** button and the display will blink. Use the **DOWN/UP** buttons to change the DMX 512 address. Once the address has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

Please refer to the following diagram to address your DMX 512 channel for the first 4 units:

| Channel mode | Unit 1<br>Address | Unit 2<br>Address | Unit 3<br>Address | Unit 4<br>Address |
|--------------|-------------------|-------------------|-------------------|-------------------|
| 1 channels   | 1                 | 2                 | 3                 | 4                 |
| 8 channels   | 1                 | 9                 | 17                | 25                |
| 14 channels  | 1                 | 15                | 29                | 43                |

#### 4.3 DMX 512 Configuration

#### 1 Channel Mode:

| CHANNEL | VALUE   | FUNCTION |
|---------|---------|----------|
| 1       |         | SHOW     |
|         | 000-007 | Blackout |
|         | 008-067 | Show1    |
|         | 068-127 | Show2    |
|         | 128-187 | Show3    |
|         | 188-247 | Show4    |

| 248-25  | . ∎ Kandor | n Show  |
|---------|------------|---------|
| 2-10 23 | , italiaon | 1311011 |

## 8 Channels Mode:

| CHANNEL | VALUE   | FUNCTION                 |
|---------|---------|--------------------------|
| 1       | 000-255 | PAN                      |
| 2       | 000-255 | TILT                     |
| 3       | 000-255 | ZOOM                     |
|         |         | wide → narrow            |
| 4       | 000-255 | <b>RED</b> (0% → 100%)   |
| 5       | 000-255 | <b>GREEN</b> (0% → 100%) |
| 6       | 000-255 | <b>BLUE</b> (0% → 100%)  |
| 7       | 000-255 | <b>WHITE</b> (0% → 100%) |
| 8       |         | DIMMER                   |
|         | 000-255 | 0%~100%                  |
|         |         |                          |

## 14 Channels Mode:

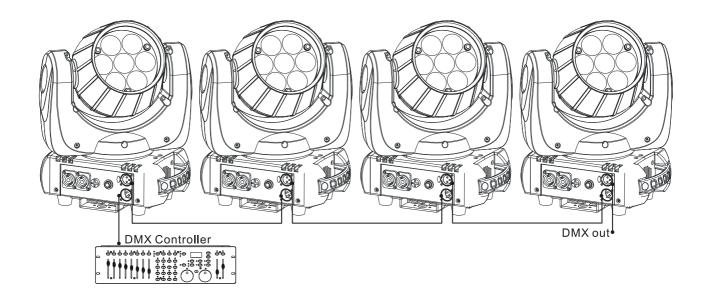
| CHANNEL | VALUE   | FUNCTION                             |
|---------|---------|--------------------------------------|
| 1       | 000-255 | PAN                                  |
| 2       | 000-255 | PAN FINE                             |
| 3       | 000-255 | TILT                                 |
| 4       | 000-255 | TILT FINE                            |
| 5       |         | PAN/TILT SPEED                       |
|         | 000-255 | fast → slow                          |
| 6       |         | SPECIAL FUNCTIONS                    |
|         | 000-009 | No function                          |
|         | 010-014 | Reset                                |
|         | 015-255 | No function                          |
| 7       |         | DIMMER                               |
|         | 000-255 | 0%~100%                              |
| 8       |         | SHUTTER                              |
|         | 000-019 | Closed                               |
|         | 020-024 | Open                                 |
|         | 025-064 | Strobe 1 (fast →slow)                |
|         | 065-069 | Open                                 |
|         | 070-084 | Strobe 2: opening pulse (fast →slow) |
|         | 085-089 | Open                                 |

|         | 090-104            | Strobe 3: closing pulse (fast →slow)             |
|---------|--------------------|--|
| 105-109 |                    | Open   |
|         | 110-124            | Strobe 4: random strobe (fast →slow)             |
|         | 125-129            | Open   |
|         | 130-144            | ·  |
| 145-149 |                    | Strobe 5: random opening pulse (fast →slow)      |
|         | 150-164            | Open Strobe 6: random closing pulse (fast →slow) |
|         | 165-169            | <u> </u>   |
|         | 170-184            | Open<br>Strobe 7: burst pulse (fast →slow)       |
|         | 185-189            | Open   |
|         | 190-204            | Strobe 8: random burst pulse (fast →slow)        |
|         | 205-209            | ·  |
|         | 210-224            | Open Strobe Or sine ways (fact -tslow)           |
|         | 225-229            | Strobe 9: sine wave (fast →slow)<br>Open         |
|         | 230-244            | Strobe 10: burst (fast →slow)                    |
|         | 245-255            | Open   |
| 9       | 000-255            | RED (0% → 100%)                                  |
| 10      | 000-255            | GREEN (0% → 100%)                                |
| 11      | 000-255            | BLUE (0% → 100%)                                 |
| 12      | 000-255            | WHITE (0% → 100%)                                |
|         | 000-255            |  |
| 13      | 000 000            | COLOUR MACRO                                     |
|         | 000-009            | Open   |
|         | 010-014            | LEE 790 – Moroccan Pink                          |
|         | 015-019            | LEE 157 – Pink                                   |
|         | 020-024            | LEE 332 – Special Rose Pink                      |
| 025-029 |                    | LEE 328 – Follies Pink                           |
|         | 030-034            | LEE 345 – Fuchsia Pink                           |
|         | 035-039            | LEE 194 – Surprise Pink                          |
|         | 040-044<br>045-049 | LEE 181 – Congo Blue<br>LEE 071 – Tokyo Blue     |
|         | 050-054            | LEE 120 – Deep Blue                              |
|         | 055-059            | LEE 079 – Just Blue                              |
|         | 060-064            | LEE 132 – Medium Blue                            |
|         | 065-069            | LEE 200 – Double CT Blue                         |
|         | 070-074            | LEE 161 – State Blue                             |
|         | 075-079            | LEE 201 – Full CT Blue                           |
|         | 080-084            | LEE 202 – Half CT Blue                           |
|         | 085-089            | LEE 117 – Steel Blue                             |
|         | 090-094            | LEE 353 – Lighter Blue                           |
|         | 095-099            | LEE 118 – Light Blue                             |
|         | 100-104            | LEE 116 – Medium Blue Green                      |
|         | 105-109            | LEE 124 – Dark Green                             |
|         | 110-114            | LEE 139 – Primary Green                          |

|         | 115-119 | LEE 089 – Moss Green                                    |  |
|---------|---------|---|--|
|         | 120-124 | LEE 122 – Fern Green                                    |  |
| 125-129 |         | LEE 738 – JAS Green                                     |  |
|         | 130-134 | LEE 088 – Lime Green                                    |  |
|         | 135-139 | LEE 100 – Spring Yellow                                 |  |
|         | 140-144 | LEE 104 – Deep Amber                                    |  |
|         | 145-149 | LEE 179 – Chrome Orange                                 |  |
|         | 150-154 | LEE 105 – Orange  |  |
|         | 155-159 | LEE 021 – Gold Amber                                    |  |
|         | 160-164 | LEE 778 – Millennium Gold                               |  |
|         | 165-169 | LEE 135 – Deep Gold Amber                               |  |
|         | 170-174 | LEE 164 – Flame Red                                     |  |
|         | 175-179 | Open  |  |
|         |         | Color wheel rotation effect                             |  |
|         | 180-201 | Clockwise, fast → slow                                  |  |
|         | 202-207 | Stop (this will stop wherever the color is at the time) |  |
|         | 208-229 | Counter-clockwise, slow → fast                          |  |
| 230-234 |         | Open  |  |
|         |         | Random color  |  |
|         | 235-239 | Fast  |  |
|         | 240-244 | Medium  |  |
|         | 245-249 | Slow  |  |
|         | 250-255 | Open  |  |
| 14      |         | ZOOM  |  |
|         | 000-255 | wide → narrow   |  |
|         |         |   |  |

## 5. DMX 512 Connection

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

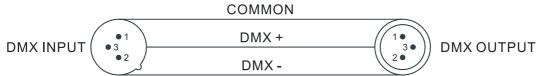


- 1. If you using a controller with a 5 pin DMX output, you need to use a 5 to 3 pin adapter-cable.
- 2. The last units DMX cable has to be terminated with a 120 ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) of a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
- 3. Connect the unit together in a 'daisy chain' with a XLR plug from the output of the unit to the input of the next unit. The cable cannot be branched or split to a 'Y' cable.
- 4. The DMX output and input connectors are a pass-through type to maintain the DMX circuit, when one of the units' power is disconnected.
- 5. Each fixture unit needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
- 6. The end of the DMX 512 system should be terminated to reduce signal errors.
- 7. 3 pin XLR connectors are more popular than 5 pin XLR.

3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+),

Pin 4/Pin 5: Not used.



Termination reduces signal errors and to avoid signal transmission problems and interference. It is always advisable to connect a DMX terminal. (Resistance 120 ohm 1/4W)between pin2(DMX-)and pin3(DMX+) of the last fixture.



#### 6. Troubleshooting

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.

#### B. Not responding to DMX controller

- 1. DMX LED should be on. If not, check DMX cables to see if connected properly.
- 2. If the DMX LED is on and there is no response to the controller, check the address settings and DMX polarity.
- 3. Try another DMX controller.

#### C. Some units don't respond to the easy controller

- 1. You may have a break in the DMX cabling. Check the LED for the response of the master/ slave mode signal.
- 2. Wrong DMX address in the unit. Set the correct address.

#### D. No response to the sound

- 1. Make sure the unit is not receiving a DMX signal.
- 2. Check microphone to see if it is good by tapping the microphone
- 3. Make sure the fixture is not set into Blackout mode

## 7. Fixture Cleaning

The cleaning 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 or mild soapy water.
- Always dry the parts carefully.
- Clean the external optics at least every 30 days.

#### **Declaration of Conformity**

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 89/336/EEC.

EN55103-1: 2009 ; EN55103-2: 2009; EN62471: 2008; EN61000-3-2: 2006 + A1:2009 + A2:2009; EN61000-3-3: 2008.

&

#### **Harmonized Standard**

EN 60598-1:2008 + All:2009; EN 60598-2-17:1989 + A2:1991; EN 62471:2008; EN 62493: 2010

Safety of household and similar electrical appliances

Part 1: General requirements

## Innovation, Quality, Performance