



# INNO POCKET Z4



## User Manual

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## DOCUMENT VERSION



Due to additional product features and/or enhancements, an updated version of this document may be available online.

Please check [www.adj.com](http://www.adj.com) for the latest revision/update of this manual before beginning installation and/or programming.

Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

## GENERAL INFORMATION

**Unpacking:** Thank you for purchasing the Inno Pocket Z4 by ADJ Products, LLC. Every device has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to have been damaged, carefully inspect your fixture for any damage and make sure that all equipment necessary to operate the unit has arrived intact. In the event that damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Please do not return this unit to your dealer without contacting customer support first

**Introduction:** The Inno Pocket Z4 is a DMX intelligent, zooming, moving head, mini LED fixture that is capable of operating as a stand alone fixture or in a Primary/Secondary set up. The device features three operating modes: sound active mode, show mode, and DMX controlled. This fixture is suitable for theaters, studios, retail stores, and other similar locations. For best results use fog or special effects smoke to enhance the beam projections.

**Customer Support:** Contact ADJ Service for any product related service and support needs. Also visit [forums.adj.com](http://forums.adj.com) with questions, comments or suggestions.

**Parts:** To purchase parts online visit:

<http://parts.adj.com> (US)

<http://www.adjparts.eu> (EU)

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

**Caution!** This device can cause severe eye damage. Avoid looking directly into the light source. Use sensible precaution.

**Caution!** There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, as doing so will void your manufacturer's warranty. In the unlikely event that your unit may require service, please contact your nearest ADJ dealer.

*PLEASE do not discard the shipping carton in the trash. Please recycle when ever possible.*

## LIMITED WARRANTY (USA ONLY)

- A. ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.
- B. For warranty service, you must obtain a Return Authorization number (RA#) before sending the product back—please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be prepaid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall incur no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.
- C. This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because it was not properly maintained as set forth in the product instructions, guidelines and/or user manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning, or periodic check-up. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect.
- E. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.
- F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And all warranties, whether expressed or implied, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. The consumer's and/or dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Product, LLC be liable for any loss and/or damage, direct and/or consequential arising out of the use of, and/or inability to use this product.
- G. This warranty is the only written warranty applicable to ADJ Products, LLC products, and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

### MANUFACTURER'S LIMITED WARRANTY PERIODS:

- Non-LED Lighting Products = 1-Year (365 Days) (Including Special Effect Lighting, Intelligent Lighting, UV lighting, Strobos, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands, Power/Data Distribution, etc. excluding LED and lamps)
- Laser Products = 1-Year (365 Days) (excluding laser diodes which have a 6-Month Limited Warranty)
- LED Products = 2-Year (730 Days) (excluding batteries which have a 180 Day Limited Warranty)
- NOTE: 2-Year (730 Days) Limited Warranty ONLY applies to product purchased within the United States. StarTec Series = 1-Year (365 Days) (excluding batteries which have a 180 Day Limited Warranty)
- ADJ DMX Controllers = 2 Year (730 Days)
- American Audio Products = 1 Year (365 Days)

## WARRANTY REGISTRATION

This device carries a 2 year (730 day) limited warranty. Please fill out the enclosed warranty card to validate your purchase. All returned service items, whether under warranty or not, must be freight prepaid and accompanied by a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain an R.A. number by contacting our customer support team on our customer support number. All packages returned to the service department not displaying an R.A. number on the outside of the package will be returned to the shipper.

## GENERAL INSTRUCTIONS

To optimize the performance of this product, please read these operating instructions carefully in order to familiarize yourself with the basic operation of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

## FEATURES

- DMX-512 Protocol Compatible (3 DMX Channel Modes:16 Channels, 19 Channels, & 22 Channels)
- 3 Operating Modes - Sound Active, Show Mode, & DMX Control
- 5 Dimmer Curves (Standard, Stage, TV, Architectural, & Theatre)
- Internal Microphone
- Digital Display for Address and Function Setting
- 4 Preprogrammed Shows
- UC IR Compatible (Not Included)

## HANDLING PRECAUTIONS

**Caution!** There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, as doing so will void your manufacturer's warranty. In the unlikely event your unit may require service, please contact ADJ Products, LLC.

*During operation, the housing may become extremely hot. Avoid touching the unit with bare hands while in use.*

*ADJ Products, LLC will not accept any liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to this unit.*

## SAFETY PRECAUTIONS

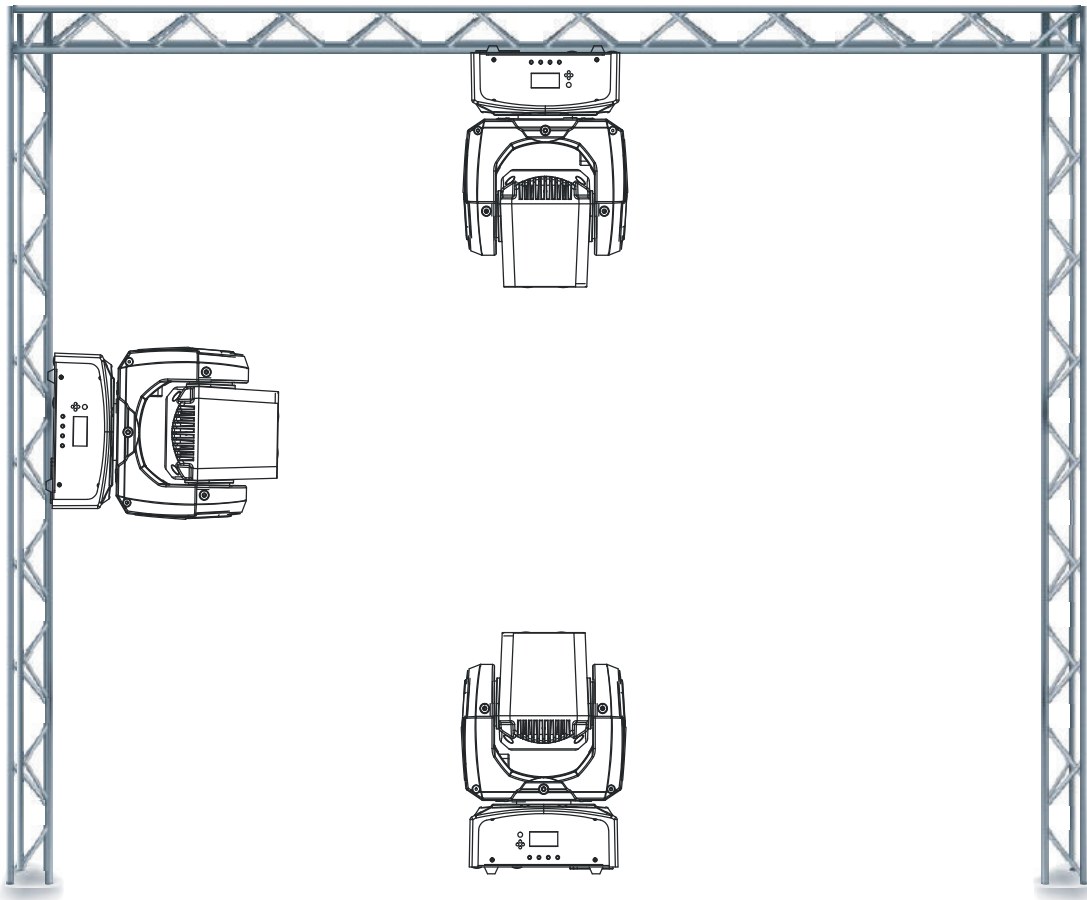
***For your own personal safety, please read and understand this manual completely before attempting to install or operate this device!***

- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture.
- Do not spill water or other liquids into or on to your unit.
- Be sure that the voltage of the local power outlet matches the required voltage for your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken.
- Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in the event of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover for any reason. There are no user serviceable parts inside.
- Never operate this unit with the cover removed.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- Do not attempt to operate this unit if it has been damaged in any way.
- This unit is intended for indoor use only, and use of this product outdoors voids all warranties.
- Always mount this unit in a safe and stable manner.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- Cleaning - The fixture should be cleaned only as recommended by the manufacturer. See the ***Cleaning*** section of this manual for details.
- Heat - This fixture should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:
  - A. Objects have fallen onto, or liquid has been spilled into, the appliance.
  - B. The appliance has been exposed to rain or water.
  - C. The appliance does not appear to operate normally, or exhibits a marked change in performance.

## MOUNTING

When installing the unit, the trussing or area of installation must be capable of supporting at least 10 times the weight of the unit without any deformation. The unit must be secured with a secondary safety attachment, e.g. and appropriately rated safety cable. Never stand directly below the unit when mounting, removing, or servicing the unit.

Overhead mounting requires extensive experience, including calculating working load limits, knowledge of installation material being used, and periodic safety inspection of all installation material and the unit itself. If you lack these qualifications, do not attempt the installation yourself. The installation should be checked by a skilled person once a year.

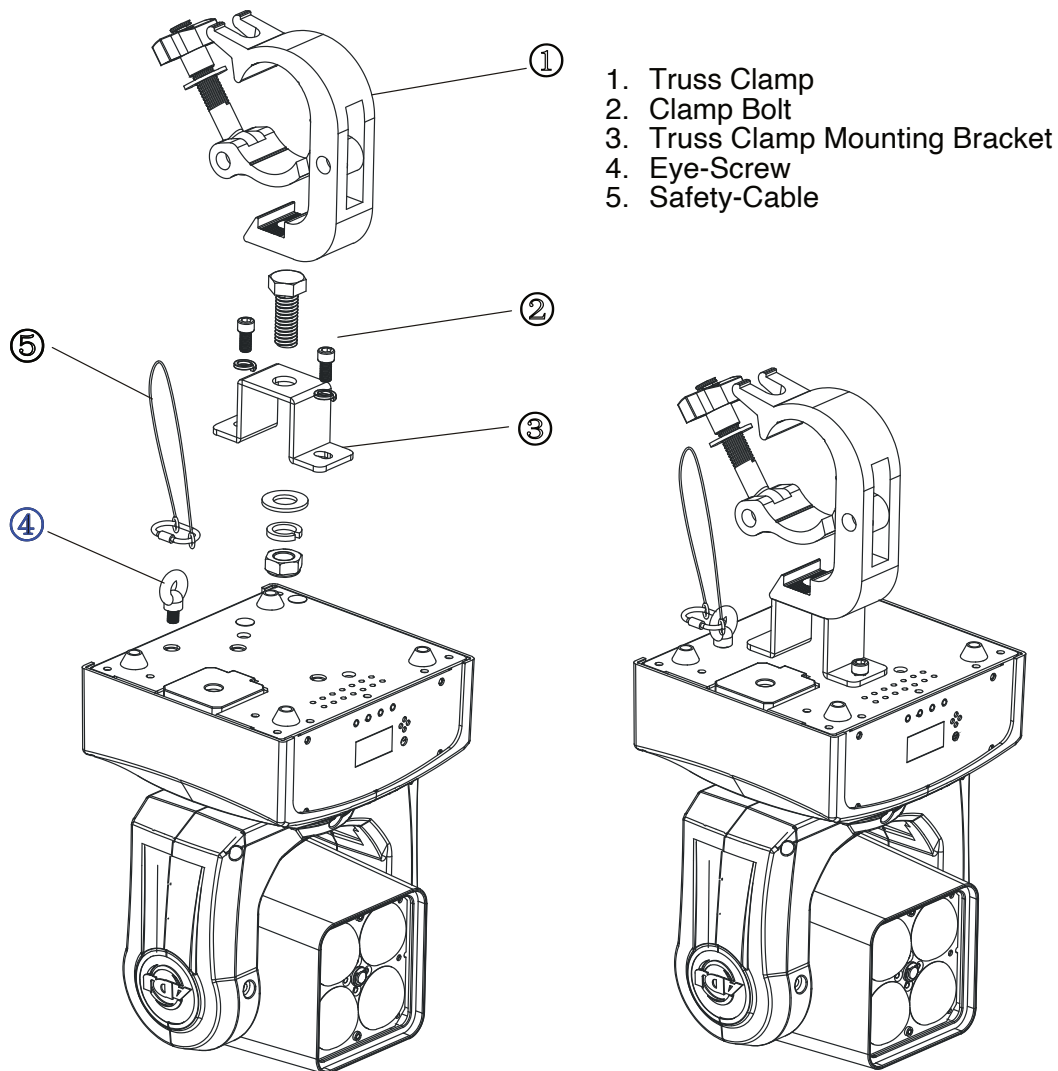


This device is fully operational in three different mounting positions: hanging upside-down from the ceiling, set on a flat level surface, or on its side attached to trussing. Be sure this fixture is kept at least 0.5m away from any flammable materials (decoration etc.). Always use and install a properly rated safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.



## MOUNTING

**NOTICE:** The suitable environmental temperature range for this lighting fixture is from -25° C to 45° C. Do not place or operate this lighting fixture in an environment where the temperatures are outside of this range. This will allow the fixture to run at its best and help prolong the fixture life.



Screw one clamp into the included bracket using an M12 screw and nut, then attach the bracket to the bottom of the device using the included screws. Attach the eyebolt to the bottom of the base and pull the safety-cable through the screw and over the trussing system or a safe fixation spot. Insert the end in the carbine and tighten the safety screw.



## DMX SET UP

**Power Supply:** This device features an automatic voltage switch, which will automatically sense the voltage when it is plugged into the power source. With this switch there is no need to worry about the correct power voltage, and this unit can be plugged in anywhere.

**DMX-512:** DMX is short for Digital Multiplex. This is a universal protocol used by most lighting and controller manufacturers as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a DATA “OUT” terminal).

**DMX Linking:** DMX is a language allowing all makes and models of different manufacturers to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, try to use the shortest cable path possible when linking several DMX fixtures. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example, a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line: at the beginning, at the end, or anywhere in the middle. Therefore, the first fixture controlled by the controller could be the last fixture in the chain. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

**Data Cable (DMX Cable) Requirements (For DMX and Primary/Secondary Operation):** This device can be controlled via DMX-512 protocol, and features three DMX channel modes: 16 channel mode, 19 channel mode, & 22 channel mode. The DMX address is set electronically using the controls on the front panel of the unit. Your unit and your DMX controller require an approved DMX-512 110 Ohm Data cable for data input and data output (Figure 1). We recommend Accu-Cable DMX cables. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all professional sound and lighting stores). Your cables should be made with a male XLR connector at one end and a female XLR connector on the other. Also remember that DMX cable must be daisy chained and cannot be split.



Figure 1

## DMX SET UP

**Notice:** Be sure to follow figures two and three when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.

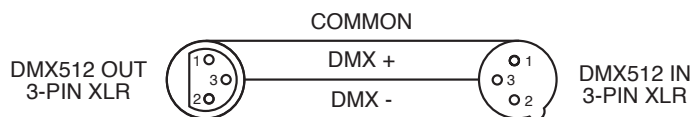


Figure 2

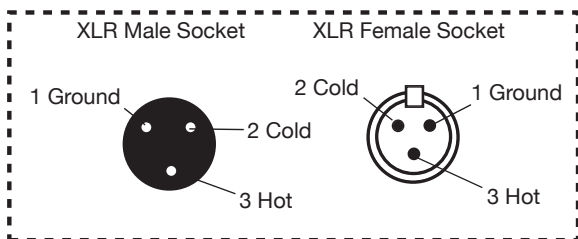
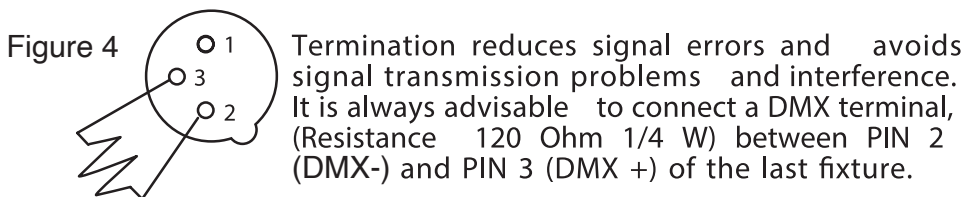


Figure 3

| XLR Pin Configuration |                            |
|-----------------------|----------------------------|
| Pin 1 =               | Ground                     |
| Pin 2 =               | Data Compliment (negative) |
| Pin 3 =               | Data True (positive)       |

**Special Note: Line Termination.** When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (ADJ part number Z-DMX/T) will decrease the possibilities of erratic behavior.



**5-Pin XLR DMX Connectors.** Some manufacturers use 5-pin DMX-512 data cables for DATA transmission in place of 3-pin. 5-pin DMX fixtures may be implemented in a 3-pin DMX line by using a cable adapter. These adapters are readily available at most electronics stores. The chart below details a proper cable conversion.

| 3-Pin XLR to 5-Pin XLR Conversion |                        |                     |
|-----------------------------------|------------------------|---------------------|
| Conductor                         | 3-Pin XLR Female (Out) | 5-Pin XLR Male (In) |
| Ground/Shield                     | Pin 1                  | Pin 1               |
| Data Compliment (- signal)        | Pin 2                  | Pin 2               |
| Data True (+ signal)              | Pin 3                  | Pin 3               |
| Not Used                          |                        | Pin 4 - Do Not Use  |
| Not Used                          |                        | Pin 5 - Do Not Use  |

## SYSTEM MENU

|                        |             |           |                                                                    |
|------------------------|-------------|-----------|--------------------------------------------------------------------|
| <b>Addr</b>            | 001 - 512   |           | Set DMX address                                                    |
| <b>Chnd</b>            | 16Ch        |           | Select DMX channel mode                                            |
|                        | 19Ch        |           |                                                                    |
|                        | 22Ch        |           |                                                                    |
| <b>Scnd</b>            | Pri         |           | Primary mode                                                       |
|                        | Sec1        |           | Secondary mode (standard)                                          |
|                        | Sec2        |           | Secondary mode (contrasting movement)                              |
| <b>Shnd</b>            | Sh 1        |           | Select show mode                                                   |
|                        | Sh 2        |           |                                                                    |
|                        | Sh 3        |           |                                                                    |
|                        | Sh 4        |           |                                                                    |
| <b>Soun</b>            | On / Off    |           | Activate or deactive sound active mode                             |
| <b>Sens</b>            | 0 - 100     |           | Sound sensitivity level, least sensitive to most sensitive         |
| <b>dnst</b>            | PrSe        |           | Unit goes to primary/secondary mode when DMX signal is lost        |
|                        | bLnd        |           | Unit goes to blackout mode when DMX signal is lost                 |
|                        | Last        |           | Unit holds last setting when DMX signal is lost                    |
| <b>Dind</b>            | Stda        |           | Standard dimmer mode                                               |
|                        | Stge        |           | Stage dimmer mode                                                  |
|                        | Tv          |           | TV dimmer mode                                                     |
|                        | Aral        |           | Architectural dimmer mode                                          |
|                        | Thal        |           | Theatre dimmer mode                                                |
| <b>Pint</b>            | No / Yes    |           | Activate or deactivate pan invert                                  |
| <b>Tint</b>            | No / Yes    |           | Activate or deactivate tilt invert                                 |
| <b>LED</b>             | On / Off    |           | Activate or deactivate screen shut-down after 10 sec of inactivity |
| <b>Disp</b>            | Disp / Dsip |           | Set screen display to normal or inverted orientation               |
| <b>Test</b>            |             |           | Run auto test                                                      |
| <b>Nanu</b>            | Pan         | 000 - 255 | Manually adjust pan                                                |
|                        | Tilt        | 000 - 255 | Manually adjust tilt                                               |
|                        | Red1        | 000 - 255 | Manually adjust Red1                                               |
|                        | Gre1        | 000 - 255 | Manually adjust Green1                                             |
|                        | Blu1        | 000 - 255 | Manually adjust Blue1                                              |
|                        | Whi1        | 000 - 255 | Manually adjust White1                                             |
| CONTINUED ON NEXT PAGE |             |           |                                                                    |

## SYSTEM MENU

|                             |      |           |                                |
|-----------------------------|------|-----------|--------------------------------|
| <b>Nanu<br/>(continued)</b> | Red2 | 000 - 255 | Manually adjust Red2           |
|                             | Gre2 | 000 - 255 | Manually adjust Green2         |
|                             | Blu2 | 000 - 255 | Manually adjust Blue2          |
|                             | Whi2 | 000 - 255 | Manually adjust White2         |
|                             | Zoon | 000 - 255 | Manually adjust zoom           |
|                             | Stro | 000 - 255 | Manually adjust strobing       |
|                             | Dinn | 000 - 255 | Manually adjust dimmer         |
| <b>Temp</b>                 |      |           | View temperature               |
| <b>Fhrs</b>                 |      |           | View fixture run hours         |
| <b>Ver</b>                  |      |           | View software version          |
| <b>Rset</b>                 |      |           | Reset unit to default settings |
| <b>Bala</b>                 | Red1 | 125 - 255 | White balance adjustment       |
|                             | Gre1 | 125 - 255 |                                |
|                             | Blu1 | 125 - 255 |                                |
|                             | Red2 | 125 - 255 |                                |
|                             | Gre2 | 125 - 255 |                                |
|                             | Blu2 | 125 - 255 |                                |

## SYSTEM MENU

**System Menu:** When making adjustments press **ENTER** to confirm your setup, then press and hold the **MENU** button for at least 3 seconds. To exit without making any adjustments press the **MENU** button. The display will lock after 30 seconds of inactivity. To unlock, press and hold the **MENU** button for 3 seconds.

### **ADDR - DMX Address Setting.**

1. Press the either the **MENU**, **UP**, or **DOWN** buttons until “ADDR” is displayed, press **ENTER**.
2. The current address will now be displayed and flashing. Press the **UP** or **DOWN** buttons to find your desired address. Press **ENTER** to set your desired DMX address.

### **CHND - Select your desired DMX channel mode.**

1. Press the either the **MENU** button until “CHND” is displayed, and press **ENTER**. The current DMX channel mode will be displayed.
2. Press the **UP** or **DOWN** buttons to find your desired DMX channel mode and press **ENTER** to confirm and exit.

### **ScND - This will let you set unit as a Primary or Secondary in a Primary/Secondary configuration.**

1. Press the **MENU** button until “ScND” is displayed, then press **ENTER**. Either “Pr1”, “SEC1”, or “SEC2” will be displayed.
2. Press the **UP** or **DOWN** buttons until your desired setting is displayed, and press **ENTER** to confirm.

*NOTE: When a fixture in a primary/secondary configuration is set to “SEC2”, the fixture will move in contrast to the primary unit.*

### **SHND - Show modes 1-4. Show mode can run with or without sound active mode active.**

1. Press the **MENU** button until “SHND” is displayed, and press **ENTER**.
2. “Sh X” will now be displayed, “X” representing a number between 1- 4. Use the **UP** or **DOWN** buttons to find your desired show.
3. When you have found your desired show press **ENTER**, then press and hold the **MENU** button for at least 3 seconds to activate.

### **SOUN - Sound Active mode.**

1. Press the **MENU** button until “SOUN” is displayed, and press **ENTER**.
2. The display will show either “ON” or “OFF”. Press the **UP** or **DOWN** buttons to select “ON” to activate sound active mode, or “OFF” to deactivate sound active mode.
3. Press **ENTER** to confirm.

### **SENS - Adjust the sound sensitivity.**

1. Press the **MENU** button until “SENS” is displayed, and press **ENTER**.
2. A number between 0-100 will be displayed. Press the **UP** or **DOWN** buttons to adjust the sound sensitivity. 0 is the least sensitive, and 100 is the most sensitive.
3. When you have found your desired setting press **ENTER** to confirm.

## SYSTEM MENU

**DNST - Select how the device will respond in the event that the DMX signal or power is lost or interrupted, and the mode that the device will default to when power is first applied.**

1. Press the MENU button until “DNST” is displayed, and either “PrSE”, “BLND”, or “LAST” will be displayed beneath.
2. Press ENTER and the bottom choice on the display screen will begin to flash. Use the UP or DOWN buttons to choose an operating mode you would like the unit to start up in when power is applied or the DMX signal is lost.
  - *LAST* - The device will stay in the last DMX setting.
  - *PrSE (Primary Secondary)* - The device will automatically go into Primary Secondary mode and run a built-in show.
  - *BLND (Blackout)* - The device will automatically go into stand by mode.
3. Press ENTER to confirm your desired set up.

**DIND - This will let select your desired dimmer curve.**

1. Press the MENU button until “DIND” is displayed, and press ENTER. 1 of 5 dimmer curves will be displayed: “STDA” (standard), “STGE” (stage), “TV” (TV), “ARAL” (Architectural), or “THAL” (Theatre). See the ***Dimmer Curve Chart*** section of this manual for more info.
2. Press the UP or DOWN buttons to find your desired dimmer curve and press ENTER to confirm and exit.

**PINT - Pan Inversion**

1. Press the MENU button until “PINT” is displayed, and press ENTER. Either “Yes” or “No” will be displayed.
2. To activate the Pan inversion press the UP or DOWN buttons until “Yes” is displayed, then press ENTER to confirm. To deactivate Pan inversion, select “No” and press Enter.

**TINT - Tilt Inversion**

1. Press the MENU button until “TINT” is displayed, then press ENTER. Either “Yes” or “No” will be displayed.
2. To activate the tilt inversion press the UP or DOWN buttons until “Yes” is displayed, then press ENTER to confirm. To deactivate tilt inversion, select “No” and press Enter.

**LED - With this function you can have the display backlight turn off after 10 seconds.**

1. Press the MENU button until “LED” is displayed, then press ENTER.
2. The display will show either “ON” or “OFF”. Press the UP or DOWN buttons to select “ON” to keep the LED display on at all times, or “OFF” to switch to have the LED display switch off after 10 seconds.
3. Press ENTER to confirm. To make you LED display reappear again press any button.

**DISP - This function will reverse the display 180°.**

1. Press the MENU button until “DISP” is displayed, then press ENTER.
2. Press ENTER to “flip” the display. Press ENTER to “flip” it again. Press ENTER when you have made your desired setup.

**TEST - This function will run a self test program.**

1. Press the MENU button until “TEST” is displayed, then press ENTER.
2. The fixture will now run a self test.

## **SYSTEM MENU**

**MANU - In this submenu you are able to test the different functions; pan, tilt, LEDs, zoom, dimmer, and strobe.**

1. Press the MENU button until "MANU" is displayed, then press ENTER.
2. Use the UP and DOWN buttons to scroll through the various functions available for testing. Once you have found your desired function you would like to test, press ENTER.
3. Use the UP and DOWN buttons to adjust the values and test the function. To exit press the MENU button.

**TEMP - With this function you can check the temperature of the fixture.**

1. Press the MENU button until "TEMP" is displayed, then press ENTER.
2. The fixture temperature will now be displayed. Press MENU to exit.

**FHRS - With this function you can display the running time of the unit.**

1. Press the MENU button until "FHRS" is displayed, then press ENTER.
2. The running time of the fixture will now be displayed. Press MENU to exit.

**VER - Use this function to display the Software version of the unit.**

1. Press the either the MENU button until "VER" is displayed, then press ENTER.
2. The display will show the software version.

**RSET - Use this function to reset the unit.**

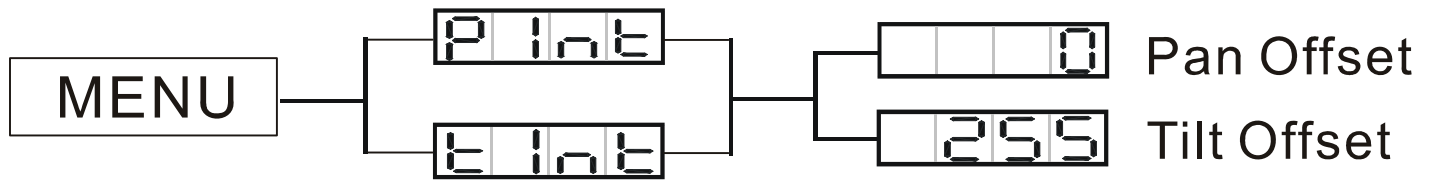
1. Press the MENU button until "RSET" is displayed, then press ENTER.
2. The fixture will now reset.

**BALA - With this function you can adjust the RGB colors to make your desired color.**

1. Press the MENU button until "BALA" is displayed, then press ENTER.
2. Use the UP or DOWN buttons to find the color you wish to adjust, then press ENTER.
3. The displayed value will begin to flash. Use the UP or DOWN buttons to adjust the value. Once you have made your adjustment press ENTER.
4. Repeat steps 2-3 until satisfied with the color displayed.



## SYSTEM MENU



To enter the home position adjustment menu, unlock the display by pressing the MODE button for at least 3 seconds. Then press the ENTER button for at least 3 seconds to enter the home adjustment menu. In this submenu you are able to adjust the original position of the pan position and tilt position.

### **PINT - Adjustment of the pan position.**

1. Press the ENTER button for at least 5 seconds, then press the UP or DOWN buttons so that “PINT” is displayed. Press ENTER.
2. Use the UP and DOWN buttons to make your adjustments, and then press ENTER to confirm. Press the MENU button for one second to exit.

### **TINT - Adjustment of the tilt position.**

1. Press the ENTER button for at least 5 seconds, then press the UP or DOWN buttons so that “TINT” is displayed. Press ENTER.
2. Use the UP and DOWN buttons to make your adjustments, and then press ENTER to confirm. Press the MENU button for one second to exit.

**Universal DMX Control:** This function allows you to use a universal DMX-512 controller to control the chases and patterns, dimmer and strobe. A DMX controller allows you to create unique programs tailored to your individual needs.

- This device has 3 DMX channel modes: 16 channel mode, 19 channel mode, and 22 channel mode. See the **DMX Traits** section of this manual for detailed information.
- To control your fixture in DMX mode, follow the set-up procedures in the **DMX Set Up** section of this manual, as well as the set-up specifications that are included with your DMX controller, then set the DMX address on the device.
- The controller’s faders can now be used to control the various DMX fixture traits.
- For longer cable runs (more than a 100 feet) use a terminator on the last fixture.
- For help operating in DMX mode, consult the manual included with your DMX controller.

**Sound Active Mode:** Allows either single unit or several linked units to run to the beat of the music.

1. Press the MENU button until “SOUN” is displayed, and press ENTER. Press the UP or DOWN buttons so that “ON” is displayed and press ENTER.
2. Press the MENU button until “SENS” is displayed, and press ENTER. Use the UP and DOWN buttons to adjust the sound sensitivity. Press ENTER to confirm your selection.

**Show Mode:** Allows either a single unit or several linked units to run one of four selectable shows.

1. Press the MENU button until “SHND” is displayed, and press ENTER.
2. Press the UP or DOWN buttons to find your desired show, and press ENTER.

## PRIMARY-SECONDARY OPERATION

This function will allow you to link up to 16 units together and operate without a controller. The units will be sound activated. One unit (designated as the Primary) will act as the controlling unit, and the others (designated as Secondaries) will react to the controlling units programs. Any unit can act as a Primary or as a Secondary.

1. Using approved DMX data cables, daisy chain your units together via the XLR connectors on the rear panel of each unit. Remember the Male XLR connector is the input and the Female XLR connector is the output. The first unit in the chain (Primary) will use the female XLR connector only, while the last unit in the chain will use the male XLR connector only. For longer cable runs, the use of a terminator on the last fixture is recommended.
2. On the Primary unit, press the MENU button until “ScND” is displayed, and press ENTER. Use the UP and DOWN buttons to scroll to the “Pr1” setting and press ENTER.
3. After setting the Primary unit to the Primary setting, find and set your desired operating mode.
4. On the Secondary units, press the MENU button until “ScND” is displayed, and press ENTER. Choose either “SEC1” or “SEC2” and press ENTER.
5. The Secondary units will now follow the Primary unit.

## ADJ UC IR CONTROL

The **UC IR (sold separately)** infrared remote gives you control of various functions. To control the fixture, you must aim the remote at the front of the fixture and be within the maximum range of 30 feet. ***Please note that the UC IR Remote can only be used when the device is in Primary mode.***

**STAND BY** - Blackout the fixture.

**FULL ON** - Hold down to fully illuminate the device.

**FADE/GOBO** - Activate Fade mode.

**“DIMMER +” and “DIMMER -”** - Use these buttons to adjust the output intensity in Color mode.

**STROBE** - Activates the strobe effect. Press and hold to activate.

**COLOR** - Activates Dimmer mode. Use buttons 1-9 to select the desired color. Two-digit numbers require a multi-key press (for example, press the “1” button followed by the “2” button to enter the number “12”), and the “Show 0” button is used to key in the number “0” (for example, press the “1” button followed by the “Show 0” button to enter the number “10”). Intensity can be adjusted by using the “Dimmer +” and “Dimmer -” buttons.

**1-9** - Key in the desired color or show, depending on operating mode.

**SOUND ON & OFF** - Activate or deactivate sound active mode.

**SHOW 0** - Activates Show mode. Select the show using buttons 1-4. Also functions as the “0” button when keying in numbers.



## DMX TRAITS

| CHANNEL                |      |      | DMX VALUES | FUNCTION                                |
|------------------------|------|------|------------|-----------------------------------------|
| 16CH                   | 19CH | 22CH |            |                                         |
| 1                      | 1    | 1    | 000 - 255  | <b><i>Pan Movement</i></b> , 0° - 540°  |
| 2                      | 2    | 2    | 000 - 255  | <b><i>Pan Fine</i></b>                  |
| 3                      | 3    | 3    | 000 - 255  | <b><i>Tilt Movement</i></b> , 0° - 180° |
| 4                      | 4    | 4    | 000 - 255  | <b><i>Tilt Fine</i></b>                 |
| 5                      | 5    | 5    | 000 - 255  | <b><i>Red 1</i></b> , 0% - 100%         |
| 6                      | 6    | 6    | 000 - 255  | <b><i>Green 1</i></b> , 0% - 100%       |
| 7                      | 7    | 7    | 000 - 255  | <b><i>Blue 1</i></b> , 0% - 100%        |
| 8                      | 8    | 8    | 000 - 255  | <b><i>White 1</i></b> , 0% - 100%       |
| 9                      | 9    | 9    | 000 - 255  | <b><i>Red 2</i></b> , 0% - 100%         |
| 10                     | 10   | 10   | 000 - 255  | <b><i>Green 2</i></b> , 0% - 100%       |
| 11                     | 11   | 11   | 000 - 255  | <b><i>Blue 2</i></b> , 0% - 100%        |
| 12                     | 12   | 12   | 000 - 255  | <b><i>White 2</i></b> , 0% - 100%       |
|                        | 13   | 13   |            | <b><i>Color Macros</i></b>              |
|                        |      |      | 000 - 007  | No Function                             |
|                        |      |      | 008 - 011  | Color Macro 1                           |
|                        |      |      | 012 - 015  | Color Macro 2                           |
|                        |      |      | 016 - 019  | Color Macro 3                           |
|                        |      |      | 020 - 022  | Color Macro 4                           |
|                        |      |      | 023 - 026  | Color Macro 5                           |
|                        |      |      | 027 - 030  | Color Macro 6                           |
|                        |      |      | 031 - 034  | Color Macro 7                           |
|                        |      |      | 035 - 037  | Color Macro 8                           |
|                        |      |      | 038 - 041  | Color Macro 9                           |
|                        |      |      | 042 - 045  | Color Macro 10                          |
|                        |      |      | 046 - 048  | Color Macro 11                          |
|                        |      |      | 049 - 052  | Color Macro 12                          |
|                        |      |      | 053 - 056  | Color Macro 13                          |
|                        |      |      | 057 - 060  | Color Macro 14                          |
|                        |      |      | 061 - 063  | Color Macro 15                          |
|                        |      |      | 064 - 067  | Color Macro 16                          |
|                        |      |      | 068 - 071  | Color Macro 17                          |
|                        |      |      | 072 - 075  | Color Macro 18                          |
|                        |      |      | 076 - 079  | Color Macro 19                          |
|                        |      |      | 080 - 082  | Color Macro 20                          |
|                        |      |      | 083 - 085  | Color Macro 21                          |
|                        |      |      | 086 - 089  | Color Macro 22                          |
|                        |      |      | 090 - 093  | Color Macro 23                          |
| CONTINUED ON NEXT PAGE |      |      |            |                                         |

## DMX TRAITS

| CHANNEL |      |      | DMX VALUES | FUNCTION                                             |
|---------|------|------|------------|------------------------------------------------------|
| 16CH    | 19CH | 22CH |            |                                                      |
|         | 13   | 13   |            | <b><i>Color Macros (continued)</i></b>               |
|         |      |      | 094 - 097  | Color Macro 24                                       |
|         |      |      | 098 - 101  | Color Macro 25                                       |
|         |      |      | 102 - 104  | Color Macro 26                                       |
|         |      |      | 105 - 108  | Color Macro 27                                       |
|         |      |      | 109 - 112  | Color Macro 28                                       |
|         |      |      | 113 - 115  | Color Macro 29                                       |
|         |      |      | 116 - 119  | Color Macro 30                                       |
|         |      |      | 120 - 123  | Color Macro 31                                       |
|         |      |      | 124 - 127  | Color Macro 32                                       |
|         |      |      | 128 - 191  | Color Changing                                       |
|         |      |      | 192 - 255  | Color Fading                                         |
|         | 14   | 14   | 000 - 255  | <b><i>Color Change/Fade Speed</i></b> , slow to fast |
|         |      | 15   |            | <b><i>Pan/Tilt Macros</i></b>                        |
|         |      |      | 000 - 015  | No Function                                          |
|         |      |      | 016 - 035  | Macro 1                                              |
|         |      |      | 036 - 055  | Macro 2                                              |
|         |      |      | 056 - 075  | Macro 3                                              |
|         |      |      | 076 - 095  | Macro 4                                              |
|         |      |      | 096 - 115  | Macro 5                                              |
|         |      |      | 116 - 135  | Macro 6                                              |
|         |      |      | 136 - 155  | Macro 7                                              |
|         |      |      | 156 - 175  | Macro 8                                              |
|         |      |      | 176 - 195  | Macro 9                                              |
|         |      |      | 196 - 215  | Macro 10                                             |
|         |      |      | 216 - 235  | Macro 11                                             |
|         |      |      | 236 - 255  | Macro 12                                             |
|         |      | 16   | 000 - 255  | <b><i>Pan/Tilt Macro Speed</i></b> , slow to fast    |
| 13      | 15   | 17   | 000 - 255  | <b><i>Zoom</i></b> , 10° - 60°                       |
| 14      | 16   | 18   |            | <b><i>Shutter / Strobe</i></b>                       |
|         |      |      | 000 - 007  | Closed                                               |
|         |      |      | 008 - 015  | Open                                                 |
|         |      |      | 016 - 131  | Strobing, slow to fast                               |
|         |      |      | 132 - 139  | Open                                                 |
|         |      |      | 140 - 181  | Fast Close - Slow Open                               |
|         |      |      | 182 - 189  | Open                                                 |
|         |      |      | 190 - 231  | Slow Close - Fast Open                               |

CONTINUED ON NEXT PAGE

## DMX TRAITS

| CHANNEL |      |      | DMX VALUES | FUNCTION                                             |
|---------|------|------|------------|------------------------------------------------------|
| 16CH    | 19CH | 22CH |            |                                                      |
| 14      | 16   | 18   |            | <b><i>Shutter / Strobe (continued)</i></b>           |
|         |      |      | 232 - 239  | Open                                                 |
|         |      |      | 240 - 247  | Random Strobing                                      |
|         |      |      | 248 - 255  | Open                                                 |
| 15      | 17   | 19   | 000 - 255  | <b><i>Primary Dimmer</i></b> , 0% - 100%             |
|         |      | 20   | 000 - 255  | <b><i>Pan/Tilt Movement Speed</i></b> , fast to slow |
| 16      | 18   | 21   |            | <b><i>Special Functions</i></b>                      |
|         |      |      | 000 - 069  | No Function                                          |
|         |      |      | 070 - 079  | Blackout w/ Pan/Tilt Movement                        |
|         |      |      | 080 - 089  | Disable Blackout w/ Pan/Tilt Movement                |
|         |      |      | 090 - 199  | No Function                                          |
|         |      |      | 2000 - 209 | Reset All                                            |
|         |      |      | 210 - 255  | No Function                                          |
|         | 19   | 22   |            | <b><i>Dimmer Curves</i></b>                          |
|         |      |      | 000 - 020  | Standard                                             |
|         |      |      | 021 - 040  | Stage                                                |
|         |      |      | 041 - 060  | TV                                                   |
|         |      |      | 061 - 080  | Architectural                                        |
|         |      |      | 081 - 100  | Theatre                                              |
|         |      |      | 101 - 255  | Default Dimmer Setting                               |

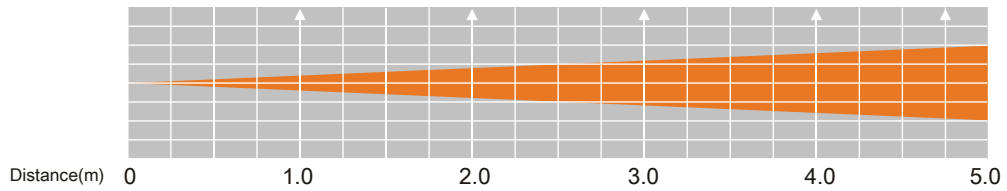
## PHOTOMETRIC CHART

Beam  
angle 10°

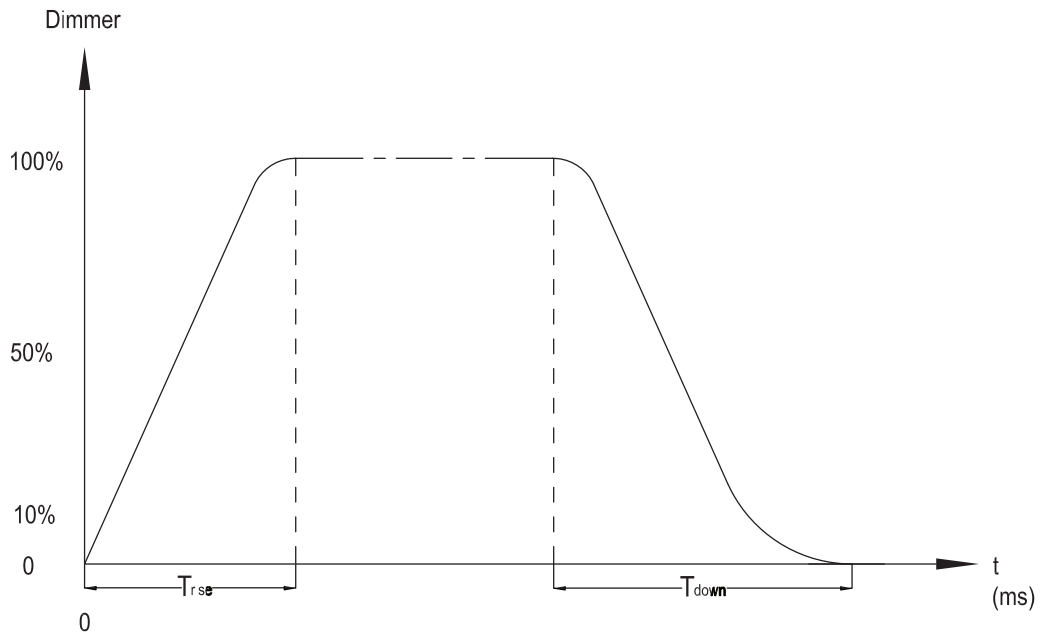
|      |       |      |      |      |     |       |
|------|-------|------|------|------|-----|-------|
| R    | 3510  | 958  | 435  | 243  | 160 | (lux) |
| G    | 9065  | 2365 | 1051 | 627  | 406 |       |
| B    | 386   | 108  | 58   | 38   | 30  |       |
| W    | 9378  | 2445 | 1077 | 648  | 410 |       |
| RGBW | 21210 | 5731 | 2581 | 1431 | 950 |       |



Beam  
angle 60°

|      |      |     |     |     |     |       |
|------|------|-----|-----|-----|-----|-------|
| R    | 322  | 92  | 52  | 35  | 27  | (lux) |
| G    | 840  | 229 | 113 | 72  | 52  |       |
| B    | 46   | 20  | 17  | 15  | 13  |       |
| W    | 846  | 233 | 116 | 73  | 52  |       |
| RGBW | 1885 | 541 | 261 | 153 | 102 |       |



## DIMMER CURVE CHART



| Ramp Effect   | 0  255 OS |                 | 0  255 1S(Fade Time) |                 |
|---------------|----------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------|-----------------|
|               | $T_{rise}$ (ms)                                                                              | $T_{down}$ (ms) | $T_{rise}$ (ms)                                                                                           | $T_{down}$ (ms) |
| Standard      | 0                                                                                            | 0               | 0                                                                                                         | 0               |
| Stage         | 780                                                                                          | 1100            | 1540                                                                                                      | 1660            |
| TV            | 1180                                                                                         | 1520            | 1860                                                                                                      | 1940            |
| Architectural | 1380                                                                                         | 1730            | 2040                                                                                                      | 2120            |
| Theatre       | 1580                                                                                         | 1940            | 2230                                                                                                      | 2280            |



## FUSE REPLACEMENT

Locate and remove the unit's power cord, then find the fuse holder inside the power socket. Insert a flat-head screw driver into the power socket and gently pry out the fuse holder. Remove the bad fuse and replace with a new fuse of the same rating. Please note that the fuse holder has a built-in socket for a spare fuse, so be sure not to confuse the spare fuse with the active fuse.

## CLEANING

Due to fog residue, smoke, and dust, cleaning the internal and external optical lenses should be carried out periodically in order to optimize light output. Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew). In heavy club use, cleaning on a monthly basis is recommended. Periodic cleaning will ensure longevity and crisp output.

- Use normal glass cleaner and a soft cloth to wipe down the outside casing.
- Use a brush to wipe down the cooling vents and fan grill.
- Periodically clean the internal and external optics with glass cleaner and a soft cloth.
- Always be sure to dry all parts completely before plugging the unit back in.

## TROUBLE SHOOTING

Below are some common problems that you may encounter, with possible solutions.

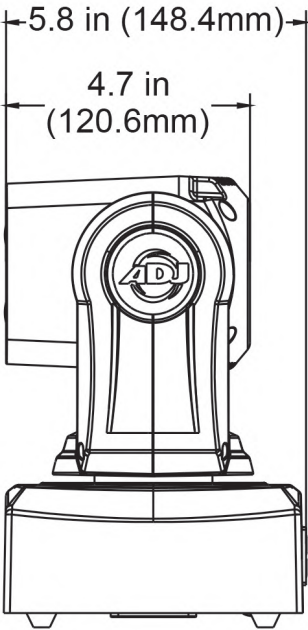
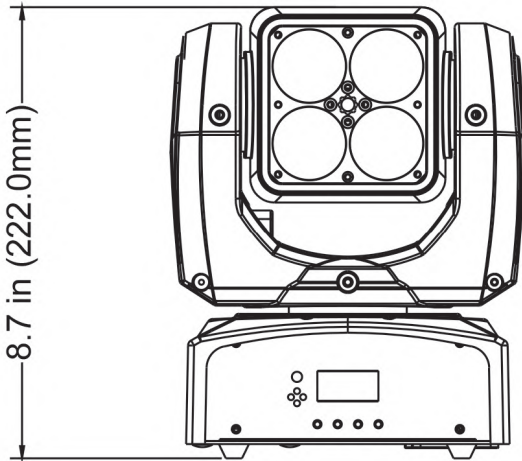
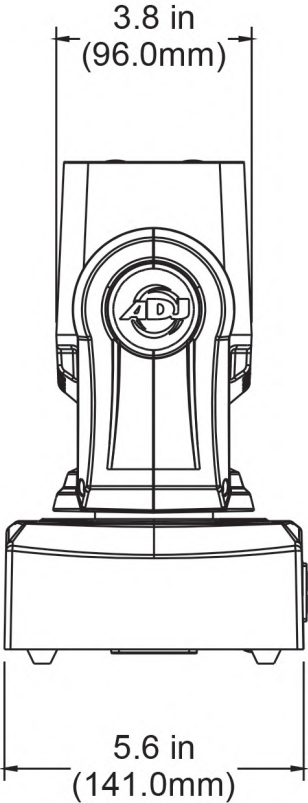
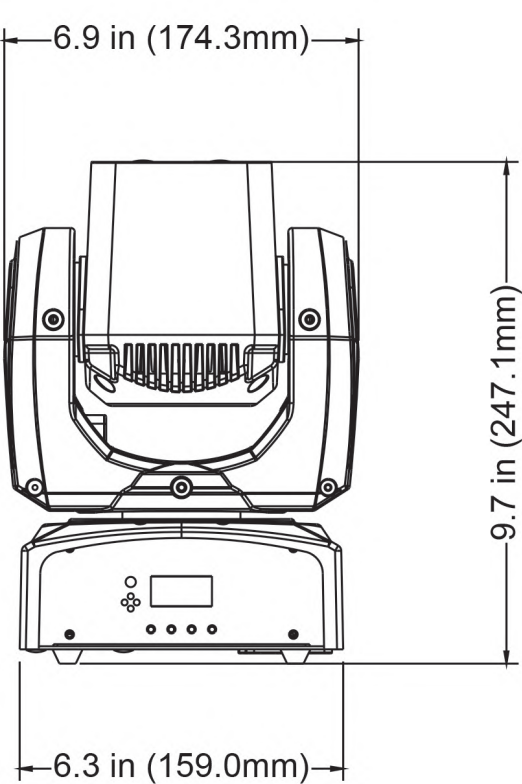
### ***No light output from the unit:***

- Check that the fuse has not been tripped. The fuse is located on the rear panel.
- Check that the fuse holder is fully and correctly seated.

### ***Unit does not respond to sound:***

Low frequencies (bass) should cause the unit to react to sound. However, quiet or high-pitched sounds, including tapping on the microphone, may not activate the unit's sound reaction.

DIMENSIONAL DRAWINGS



## SPECIFICATIONS

|                           |                                                                           |
|---------------------------|---------------------------------------------------------------------------|
| <b>Model:</b>             | <b>Inno Pocket Z4</b>                                                     |
| <b>Voltage:</b>           | 100-240V, 50/60 Hz                                                        |
| <b>LED:</b>               | 4 x 10W 4-in-1 RGBW LEDs                                                  |
| <b>Power Consumption:</b> | 67W                                                                       |
| <b>Dimensions:</b>        | 5.6" (L) x 6.9" (W) x 9.7" (H)<br>141.0mm (L) x 174.3mm (W) x 247.1mm (H) |
| <b>Weight:</b>            | 7 Lbs. / 3.2 Kgs.                                                         |
| <b>Angle:</b>             | 10 - 60 Degrees                                                           |
| <b>Fuse:</b>              | 3.15 Amp                                                                  |
| <b>Duty Cycle:</b>        | None                                                                      |
| <b>DMX:</b>               | 3 DMX Channel Modes: 16 / 19 / 22                                         |
| <b>Colors:</b>            | RGBW Color Mixing                                                         |
| <b>Sound Active:</b>      | Yes                                                                       |
| <b>Working Position:</b>  | Any Safe, Secure Position                                                 |
| <b>Warranty:</b>          | 2 Years (730 Days)                                                        |
| <b>Certifications:</b>    | CE Certified                                                              |

**Please Note:** Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

**Auto Sensing Voltage:** This fixture contains an automatic voltage switch, which will automatically sense the voltage when it is plugged into the power source.

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