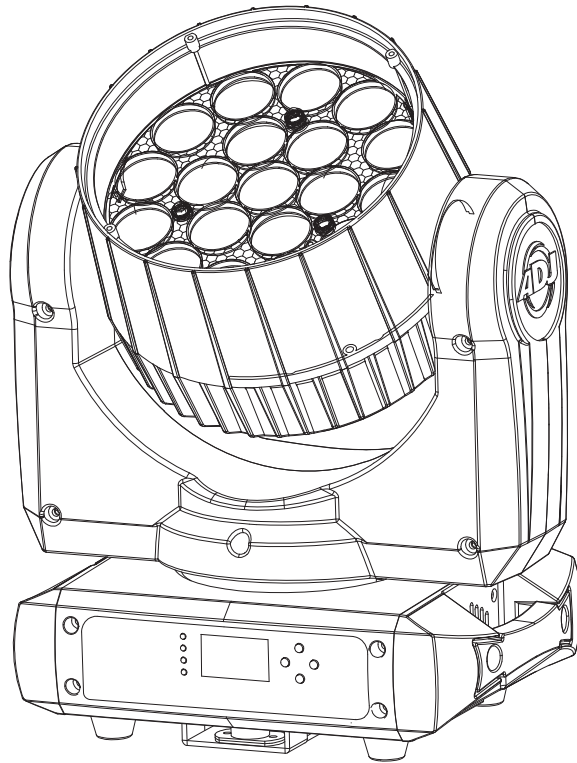




# INNO COLOR BEAM Z19



## *User Instructions*



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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!

## Inno Color Beam Z19

## Introduction

**Unpacking:** Thank you for purchasing the Inno Color Beam Z19 by ADJ Products, LLC. Every Inno Color Beam Z19 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 be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Do not return this unit to your dealer without first contacting customer support.

**Introduction:** The Inno Color Beam Z19 is part of ADJ's continuing pursuit for creating high quality affordable intelligent fixtures. The Inno Color Beam Z19 is a high performance, DMX intelligent, moving head LED fixture. This fixture is a great piece for retail stores, displays, mood, architectural, interior and exterior decoration, and clubs. This unit can be used as a stand alone, or in a Master/Slave configuration. The unit can also be controlled via DMX controller. This fixture is suitable for theaters, studios, retail stores, and other similar locations.

**Customer Support:** ADJ Products, LLC provides a toll free customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at [www.adj.com](http://www.adj.com) for any comments or suggestions. Service Hours are Monday through Friday 8:00 a.m. to 4:30 p.m. Pacific Standard Time.

Voice: (800) 322-6337

Fax: (323) 582-2941

E-mail: [support@americandj.com](mailto:support@americandj.com)

To purchase parts online visit <http://parts.americandj.com>

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

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

**PLEASE recycle the shipping carton when ever possible.**

## Inno Color Beam Z19

## General Instructions

To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations 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.

## Inno Color Beam Z19

## Features

- RGBW Color Mixing
- 19 x 10W Quad Color LEDs
- Color Strobe Effect
- Color Mix Effect
- Pan/Tilt Inversion
- Electronic Dimming 0-100%
- Dimmer Curve Settings
- Built in Microphone
- DMX-512 protocol
- 14 DMX Channels
- 3 Operating Modes - Sound Active, Show Mode, & DMX Control
- Power Cord Daisy Chaining (See section below)

## Inno Color Beam Z19

## Power Cord Daisy Chaining

**With this feature you can connect the fixtures to one another using the PowerCON input and output sockets. The quantity that can be connected is 5 fixtures maximum for 120V and 11 fixtures maximum for 240V. After the maximum fixtures has been reached you will need to use a new power outlet. They must be the same fixtures. DO NOT mix fixtures.**

## Inno Color Beam Z19

## Warranty Registration

The Inno Color Beam Z19 carries a 2 year (730 days) limited warranty. Please fill out the enclosed warranty card to validate your purchase and warranty. You may also register your product online at [www.americandj.com](http://www.americandj.com). All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. If the unit is under warranty you must provide a copy of your proof of purchase invoice. Please contact ADJ customer support for a R.A. number.

## Inno Color Beam Z19

## Safety Precautions

- 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 local power outlet match that of 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 case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are no user serviceable parts inside.
- Never operate this unit when it's cover is removed.
- Never plug this unit in to a dimmer pack
- 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 becomes damaged.
- This unit is intended for indoor use only, use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the unit's main power.
- Always mount this unit in safe and stable matter.
- 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 the point they exit from the unit.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 22 for cleaning details.
- Heat -The appliance 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. The power-supply cord or the plug has been damaged.
  - B. Objects have fallen, or liquid has been spilled into the appliance.
  - C. The appliance has been exposed to rain or water.
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance.

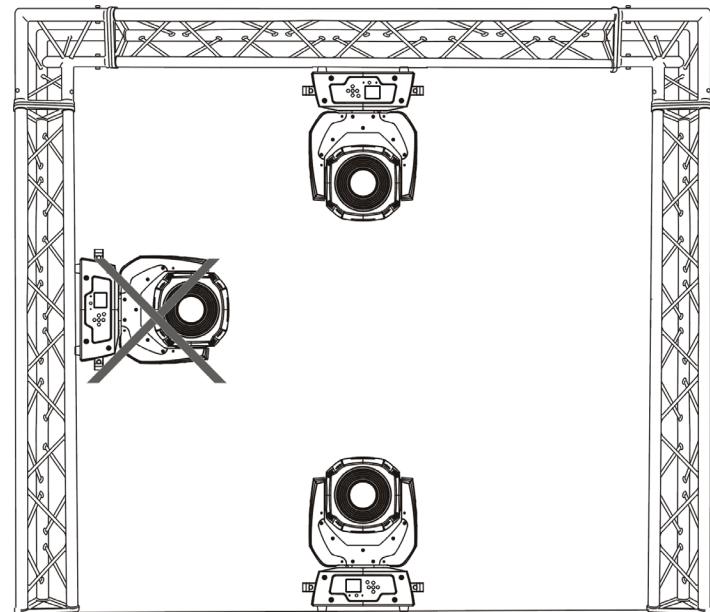
## Inno Color Beam Z19

## Installation

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. and appropriate safety cable. Never stand directly below the unit when mounting, removing, or servicing the unit.

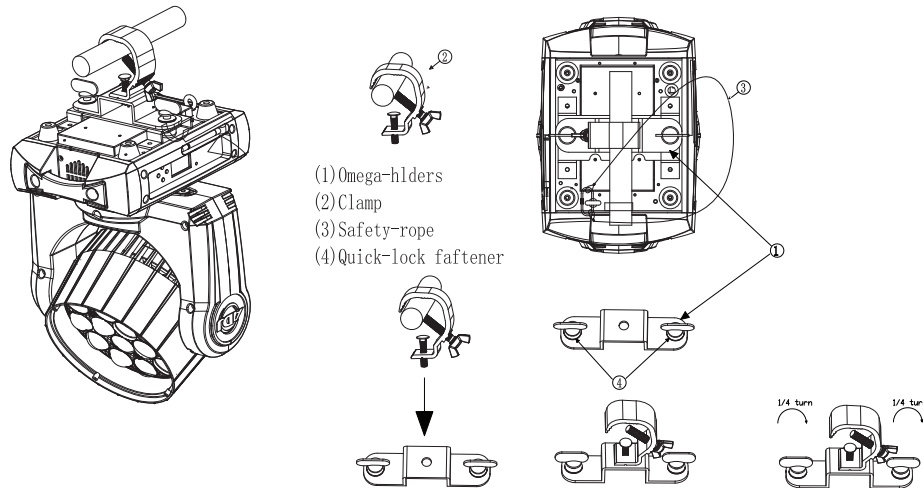
Overhead mounting requires extensive experience, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and unit. If you lack these qualifications, do not attempt the installation yourself.

These installation should be checked by a skilled person once a year.



The Inno Color Beam Z19 is fully operational in two different mounting positions, hanging upside-down from a ceiling or set on a flat level surface. To avoid internal damage to the unit, never mount the unit on its side as illustrated above. Be sure this fixture is kept at least 0.5m away from any flammable materials (decoration etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails (see next page). Never use the carrying handles for secondary attachment.

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



Screw one clamp via a M12 screw and nut onto the Omega holder. Insert the quick-lock fasteners of the Omega holder into the respective holes on the bottom of the Inno Color Beam Z19. Tighten the quick-lock fasteners fully clockwise. Pull the safety-cable through the eyehole hook on the bottom of the base and over the trussing system or a safe fixation spot. Insert the end in the carabine and tighten the safety screw.

**Power Supply:** The ADJ Inno Color Beam Z19 contains a automatic voltage switch, which will auto sense the voltage when it is plugged into a power source. With this switch there is no need to worry about the correct power voltage, this unit can be plugged in anywhere.

**DMX-512:** DMX is short for Digital Multiplex. This is a universal protocol used 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 manufactures 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, when using several DMX fixtures try to use the shortest cable path possible. 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. 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 Operation):**

The Inno Color Beam Z19 can be controlled via DMX-512 protocol. The Inno Color Beam Z19 is a 14 Channel DMX unit. The DMX address is set on the front panel of the Inno Color Beam Z19. Your unit and your DMX controller require a 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 and female XLR connector on either end of the cable. Also remember that DMX cable must be daisy chained and cannot be split.



Figure 1



**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.

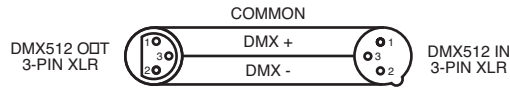


Figure 2

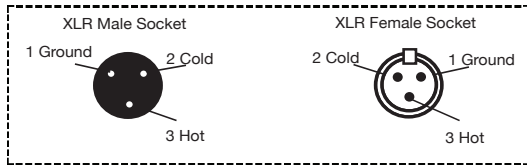


Figure 3

| 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 90-120 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.

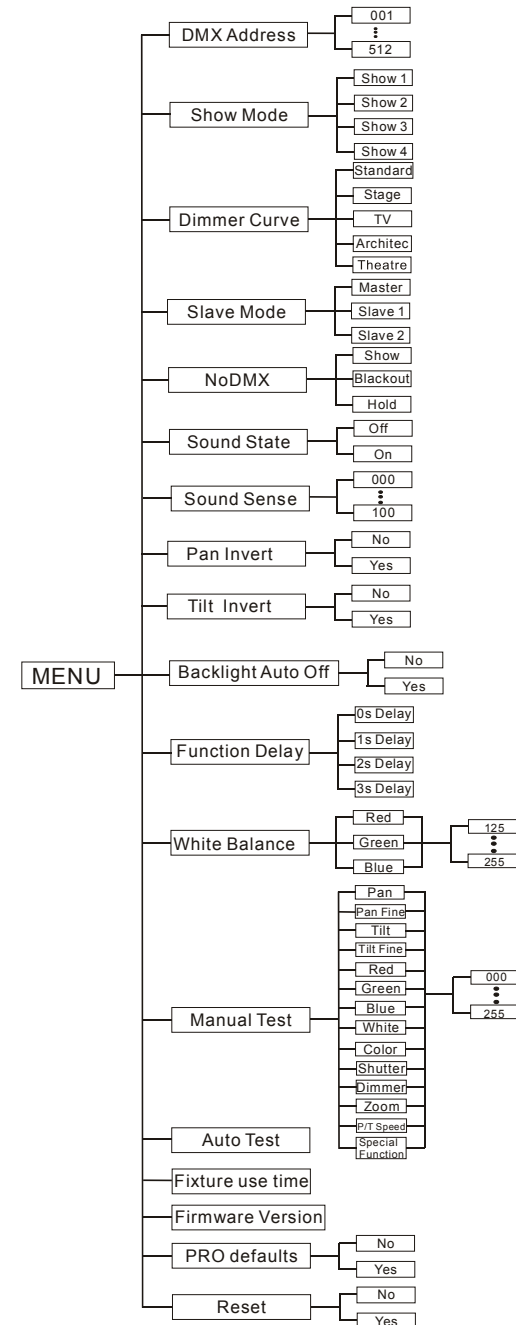


Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal. (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX+) of the last fixture.

Figure 4

**5-Pin XLR DMX Connectors.** Some manufactures use 5-pin XLR connectors for DATA transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used, these adaptors are readily available at most electric 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                          |                        | Do Not Use          |
| Not Used                          |                        | Do Not Use          |



**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, press the MENU button for 3 seconds to unlock.**

## Display Flip - Flip the display 180° -

To flip the display press the UP and DOWN buttons simultaneously.

## DMX Address - Set the DMX Address -

1. Press the MENU button until “DMX Address” is displayed, press ENTER.
2. “X” will now be displayed, “X” represents the displayed address. Press the UP or DOWN buttons to find your desired address.
3. Press ENTER to confirm, and then press and hold the MENU button for at least three seconds to assign.

## Show Mode - Show modes 1 - 4 (Factory Shows).

1. Press the MENU button until “Show Mode” is displayed, press ENTER.
2. “Show X” will now be displayed, “X” representing a number between 1-4. Press the UP or DOWN buttons to find your desired show and press ENTER to confirm. After pressing ENTER, press and hold the MENU button for at least 3 seconds to activate.

## Dimmer Curve - In this mode you can select the dimmer curve.

1. Press the MENU button until “Dimmer Curve” is displayed, press ENTER.

2. The current dimmer curve will be displayed.
3. Press the UP or DOWN buttons to find your desired dimmer curve and press ENTER to confirm.

## Slave Mode - This will let you set unit as a master or slave in a master/slave configuration.

1. Press the MENU button until “Slave Mode” is displayed, press ENTER. Either “Master”, “Slave 1” or “Slave 2” will be displayed.
2. Press the UP or DOWN buttons until your desired mode is displayed, press ENTER to confirm.

**NOTE:** In a Master/Slave configuration you can make one fixture the Master and then set the next fixture to “Slave 2”, the fixtures will now have contrast movement to each other.

## NoDMX - This mode can be used as a precaution mode, that in case the DMX signal is lost, interrupted, or power is lost, the operating mode chosen in the setup is the running mode the fixture will go into when the DMX signal is lost. You can also set this as the operating mode you would like the unit to return to when power is applied.

1. Press the MENU button until “NO DMX” is displayed, and either “Show”, “Blackout”, or “Hold” will be displayed beneath.
2. Press ENTER and the bottom choice 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.
  - Show - If the DMX signal is lost, or interrupted, the unit will automatically go into the last selected show mode.
  - Blackout- If the DMX signal is lost or interrupted, the unit will automatically go into stand by mode.
  - Hold - If the DMX signal is lost, or interrupted, the fixture will stay in

the last DMX setting. If power is applied and this mode is set, the unit will automatically go into the last DMX set up.

3. Press ENTER to confirm your desired set up.

### Sound State - In this mode the unit will run in sound active mode.

1. Press the MENU button until “Sound State” is displayed, press ENTER.
2. Either “On” or “Off” will now be displayed. Use the UP or DOWN buttons to toggle between “On” and “Off”.
3. Press ENTER to confirm your selection, then press and hold the MENU button to activate.

### Sound Sense - In this mode you can adjust the sound sensitivity of the sound active mode.

1. Press the MENU button until “Sound Sense” is displayed, press ENTER.
2. Press the UP or DOWN buttons to adjust the sensitivity level. The sensitivity level can be adjusted between 0 (the lowest) and 100 (most sensitive).
3. Press ENTER to set your desired level.

### Pan Invert - Pan Inversion

1. Press the MENU button until “Pan Invert” is displayed, 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, press ENTER to confirm. To deactivate Pan inversion, select “No” and press Enter.

### Tilt Invert - Tilt Inversion

1. Press the MENU button until “Tilt Invert” is displayed, 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, press ENTER to confirm. To deactivate Tilt inversion, select “No” and press Enter.

### Back Light Auto Off - With this function you can make the backlight automatically turn off after one minute.

1. Press the MENU button until “Back Light Auto Off” is displayed, press ENTER.
2. Either “No” or “Yes” will now be displayed. Press the UP or DOWN buttons to select “Yes” to keep the backlight on at all times, or “No” to allow the backlight to turn off after 2 minutes. Press any button to turn the backlight on again.
3. Press ENTER to confirm.

### Function Delay - With this function the blackout function under 14 Channel mode can be delayed.

1. Press the MENU button until “Function Delay” is displayed, press ENTER.
  2. Either “No Delay” or time between 1s - 3s will be displayed. This number represents the delay setting. Use the UP and DOWN buttons to adjust the blackout delay.  
*Example: If the delay is set to 3 seconds, when you are in 14 Channel mode under DMX control, and the channel 12 values are between 226-235, the fixture will move, and then blackout after 3 seconds.*
3. Press ENTER to confirm.

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

1. Press the MENU button until “White Balance” is displayed, press ENTER.
2. Use the UP or DOWN buttons to find the color you wish to adjust.
3. Once you find the color you want to adjust press ENTER, 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.

## **Manual Test - With this function you can manually test the individual features.**

1. Press the MENU button until “Manual Test” is displayed, press ENTER.
2. Use the UP or DOWN buttons to find the functions that you wish to test.
3. Once you find a function you wish to test, press the ENTER button, the displayed value will begin to flash. You can now adjust the values by pressing the UP and DOWN buttons. Once you have finished testing press the ENTER button.
4. To exit the manual test mode, press the MENU button.

## **Auto Test - This function will run a self test program.**

1. Press the MENU button until “Auto Test” is displayed, press ENTER.
2. The fixture will now run a self test. Press the MENU button to exit.

## **Fixture Use Time - With this function you can display the running time of the unit.**

1. Press the MENU button until “Fixture Use Time” is displayed, press ENTER.
2. The running time of the fixture will now be displayed. Press MENU to exit.

## **Firmware Version - This will display the software version**

1. Press the MENU button until “Firmware Version” is displayed. Press the ENTER button and the software version will be displayed.
2. Press the MENU button to leave this function.

## **PRO Default - This function will restore the factory settings.**

1. Press the MENU button until “PRO Default” is displayed, press ENTER.
2. Either “YES” or “NO” will now be displayed. Press the UP or DOWN buttons to select “YES” to switch back to default settings, and press ENTER.

## **Reset - Use this function to reset the motors.**

1. Tap the MENU button until “Reset” is displayed, press ENTER.
2. The fixture will now reset the motors.



**Inno Color Beam Z19****Universal DMX Control**

**Universal DMX Control:** This function allows you to use a Elation® 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. The Inno Color Beam Z19 has 14 DMX Channels.

1. This function will allow you to control each individual fixture's traits with a standard DMX 512 controller. See pages 17-20 for the DMX traits.
2. To run your fixture in DMX mode, set your desired DMX address following the directions on page 10, and the set-up specifications that come with your DMX controller.
3. Plug in the fixture via the XLR connections to any standard DMX controller.
4. For longer cable runs (more than a 100 feet) use a terminator on the last fixture.

**Inno Color Beam Z19****Master-Slave Configuration**

**Master-Slave Configuration:** This function will allow you to link up to 16 units together and operate without a controller. The units will be sound activated. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling units programs. Any unit can act as a Master or as a Slave.

1. Using approved DMX data cables, daisy chain your units together via the XLR connector on the rear of the units. Remember the Male XLR connector is the input and the Female XLR connector is the output. The first unit in the chain (master) will use the female XLR connector only - The last unit in the chain will use the male XLR connector only. For longer cable runs we suggest a terminator at the last fixture.
2. Set the Master unit to your desired operating mode.
3. On the slave units press the MENU button until "Slave Mode" is displayed, and Press ENTER. Choose either "Slave 1" or "Slave 2" and press ENTER. See page 11 for more info.
4. The slave units will now follow the Master unit.

**Inno Color Beam Z19****14 Channel Mode**

| Channel | Value  | Function   |
|---------|--|--|
| 1       | 0 - 255  | PAN<br>0° - 540°   |
| 2       | 0 - 255  | PAN FINE   |
| 3       | 0 - 255  | TILT<br>0° - 220°  |
| 4       | 0 - 255  | TILT FINE  |
| 5       | 0 - 255  | RED<br>0% - 100%   |
| 6       | 0 - 255  | GREEN<br>0% - 100%   |
| 7       | 0 - 255  | BLUE<br>0% - 100%  |
| 8       | 0 - 255  | WHITE<br>0% - 100%   |
| 9       | 0<br>1 - 4<br>5 - 8<br>9 - 12<br>13 - 16<br>17 - 20<br>21 - 24<br>25 - 28<br>29 - 32<br>33 - 36<br>37 - 40<br>41 - 44<br>45 - 48<br>49 - 52<br>53 - 56<br>57 - 60<br>61 - 64<br>65 - 68<br>69 - 72 | COLOR MACROS<br>OFF<br>MACRO 1<br>MACRO 2<br>MACRO 3<br>MACRO 4<br>MACRO 5<br>MACRO 6<br>MACRO 7<br>MACRO 8<br>MACRO 9<br>MACRO 10<br>MACRO 11<br>MACRO 12<br>MACRO 13<br>MACRO 14<br>MACRO 15<br>MACRO 16<br>MACRO 17<br>MACRO 18 |

| Inno Color Beam Z19 |           | 14 Channel Mode |
|---------------------|-----------|-----------------|
| Channel             | Value     | Function        |
| 9                   |           | COLOR MACROS    |
|                     | 73 - 76   | MACRO 19        |
|                     | 77 - 80   | MACRO 20        |
|                     | 81 - 84   | MACRO 21        |
|                     | 85 - 88   | MACRO 22        |
|                     | 89 - 92   | MACRO 23        |
|                     | 93 - 96   | MACRO 24        |
|                     | 97 - 100  | MACRO 25        |
|                     | 101 - 104 | MACRO 26        |
|                     | 105 - 108 | MACRO 27        |
|                     | 109 - 112 | MACRO 28        |
|                     | 113 - 116 | MACRO 29        |
|                     | 117 - 120 | MACRO 30        |
|                     | 121 - 124 | MACRO 31        |
|                     | 125 - 128 | MACRO 32        |
|                     | 129 - 132 | MACRO 33        |
|                     | 133 - 136 | MACRO 34        |
|                     | 137 - 140 | MACRO 35        |
|                     | 141 - 144 | MACRO 36        |
|                     | 145 - 148 | MACRO 37        |
|                     | 149 - 152 | MACRO 38        |
|                     | 153 - 156 | MACRO 39        |
|                     | 157 - 160 | MACRO 40        |
|                     | 161 - 164 | MACRO 41        |
|                     | 165 - 168 | MACRO 42        |
|                     | 169 - 172 | MACRO 43        |
|                     | 173 - 176 | MACRO 44        |
|                     | 177 - 180 | MACRO 45        |
|                     | 181 - 184 | MACRO 46        |
|                     | 185 - 188 | MACRO 47        |
|                     | 189 - 192 | MACRO 48        |
|                     | 193 - 196 | MACRO 49        |
|                     | 197 - 200 | MACRO 50        |
|                     | 201 - 204 | MACRO 51        |

| Inno Color Beam Z19 |           | 14 Channel Mode        |
|---------------------|-----------|------------------------|
| Channel             | Value     | Function               |
| 9                   |           | COLOR MACROS           |
|                     | 205 - 208 | MACRO 52               |
|                     | 209 - 212 | MACRO 53               |
|                     | 213 - 216 | MACRO 54               |
|                     | 217 - 220 | MACRO 55               |
|                     | 221 - 224 | MACRO 56               |
|                     | 225 - 228 | MACRO 57               |
|                     | 229 - 232 | MACRO 58               |
|                     | 233 - 236 | MACRO 59               |
|                     | 237 - 240 | MACRO 60               |
|                     | 241 - 244 | MACRO 61               |
|                     | 245 - 248 | MACRO 62               |
|                     | 249 - 252 | MACRO 63               |
|                     | 253 - 255 | MACRO 64               |
| 10                  |           | SHUTTER/STROBING       |
|                     | 0 - 19    | SHUTTER CLOSED         |
|                     | 20 - 24   | OPEN                   |
|                     | 25 - 64   | STROBING FAST - SLOW   |
|                     | 65 - 69   | OPEN                   |
|                     | 70 - 84   | SLOW OPEN - FAST CLOSE |
|                     | 85 - 89   | OPEN                   |
|                     | 90 - 104  | FAST OPEN - SLOW CLOSE |
|                     | 105 - 109 | OPEN                   |
|                     | 110 - 124 | RANDOM STROBE          |
|                     | 125 - 129 | OPEN                   |
|                     | 130 - 144 | RANDOM OPENING PULSE   |
|                     | 145 - 149 | OPEN                   |
|                     | 150 - 164 | RANDOM CLOSING PULSE   |
|                     | 165 - 169 | OPEN                   |
|                     | 170 - 184 | BURST PULSE            |
|                     | 185 - 189 | OPEN                   |
|                     | 190 - 204 | RANDOM BURST PULSE     |
|                     | 205 - 209 | OPEN                   |
|                     | 210 - 224 | PULSING                |

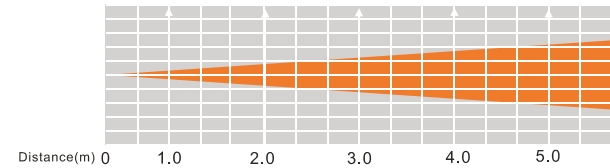
| Inno Color Beam Z19 |                         | 14 Channel Mode                                      |
|---------------------|-------------------------|--|
| Channel             | Value                   | Function   |
| 10                  | 225 - 229               | SHUTTER/STROBING<br>OPEN                             |
|                     | 230 - 244               | BURST<br>OPEN  |
|                     | 245 - 255               |  |
|                     |                         |  |
| 11                  | 0 - 255                 | MASTER DIMMER<br>0% - 100%                           |
| 12                  | 0 - 225                 | ZOOM<br>WIDE - NARROW                                |
| 13                  | 0 - 225                 | PAN/TILT MOVEMENT SPEED<br>MAX. - MIN. MOVEMENT SPED |
| 14                  | 0 - 9                   | RESET & DIMMER CURVES<br>NO FUNCTION                 |
|                     | 10 - 14                 | RESET ALL  |
|                     | 15 - 149                | NO FUNCTION  |
|                     | 150 - 159               | STANDARD   |
|                     | 160 - 169               | STAGE  |
|                     | 170 - 179               | TV   |
|                     | 180 - 189               | ARCHITECTURAL  |
|                     | 190 - 199               | THEATRE  |
| 200 - 255           | DEFAULT TO UNIT SETTING |  |

### Inno Color Beam Z19 Photometric Chart

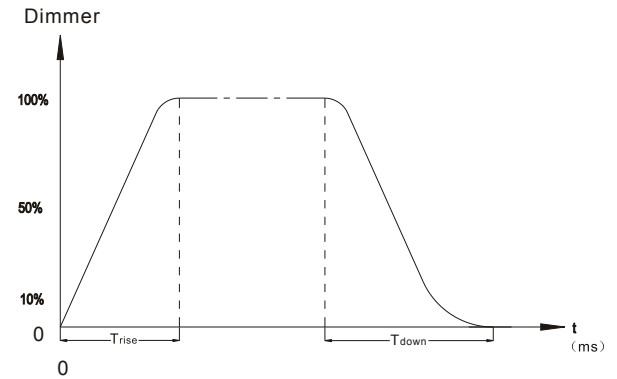
| Beam angle<br>10° | R    | 8500  | 4200  | 1700  | 970  | 620  | (Lux) |
|-------------------|------|-------|-------|-------|------|------|-------|
|                   | G    | 26000 | 10800 | 5000  | 2700 | 1700 |       |
|                   | B    | 8800  | 380   | 160   | 90   | 63   |       |
|                   | W    | 31500 | 14000 | 6000  | 3300 | 2100 |       |
|                   | RGBW | 65000 | 29500 | 12600 | 6900 | 4400 |       |
| Spot Diameter     | 36   | 54    | 70    | 95    | 110  | (CM) |       |

| Beam angle<br>60° | R    | 1000 | 2800 | 130 | 84  | 55   | (Lux) |
|-------------------|------|------|------|-----|-----|------|-------|
|                   | G    | 3000 | 800  | 380 | 220 | 140  |       |
|                   | B    | 1100 | 31   | 16  | 10  | 8    |       |
|                   | W    | 3600 | 951  | 460 | 250 | 170  |       |
|                   | RGBW | 7200 | 2000 | 900 | 540 | 360  |       |
| Spot Diameter     | 170  | 300  | 440  | 580 | 750 | (CM) |       |



### Inno Color Beam Z19 Dimmer Curve Chart



| Ramp Effect   | 0 $\rightarrow$ 255 OS (Fade Time) |            | 0 $\leftarrow$ 255 1S (Fade Time) |            |
|---------------|------------------------------------|------------|-----------------------------------|------------|
|               | Trise (ms)                         | Tdown (ms) | Trise (ms)                        | Tdown (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       |

## Inno Color Beam Z19

## Fuse Replacement

Disconnect the unit from its power source. Locate the fuse holder on the rear panel of the unit. Using a phillips-head screw driver unscrew the fuse holder. Remove the bad fuse and replace with a new one. Screw the fuse holder back into the unit containing the new fuse.

## Inno Color Beam Z19

## Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses and mirror should be carried out periodically 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 we recommend cleaning on a monthly basis. Periodic cleaning will ensure longevity, and crisp output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Use a brush to wipe down the cooling vents and fan grill.
3. Clean the external optics with glass cleaner and a soft cloth every 20 days.
4. Clean the internal optics with glass cleaner and a soft cloth every 30-60 days.
5. Always be sure to dry all parts completely before plugging the unit back in.

## Inno Color Beam Z19

## Troubleshooting

Listed below are a few common problems the user may encounter, with solutions.

### ***Unit not responding to DMX:***

1. Check that the DMX cables are connected properly and are wired correctly (pin 3 is “hot”; on some other DMX devices pin 2 may be ‘hot’). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.

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

1. Quiet or high pitched sounds will not activate the unit.
2. Check the sound sensitivity level.

## Inno Color Beam Z19

## Warranty

### MANUFACTURER'S LIMITED WARRANTY

- 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 back the product—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 pre-paid. 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. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall have 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 serial number has been 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 not properly maintained as set forth in the instruction 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 indentifying 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.

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 no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. 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 Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

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:

- **Lighting Products = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LEDs and lamps)
- **Laser Products = 90-Day Limited Warranty**
- **L.E.D. Products = 2-year (730 days) Limited Warranty** (excluding motors, PCB boards, and power supplies, which have a 1-year (365 day Limited Warranty) and batteries which have a 180 day limited warranty).





**SPECIFICATIONS:**

|                         |  |
|-------------------------|--|
| Voltage:                | 100V~230V 50Hz/60Hz                                    |
| LEDs:                   | 19 x 10W Quad Color LEDs                               |
| Power Consumption:      | 245W   |
| Beam Angle:             | 10 ~ 60 Degrees  |
| Fuse:                   | 7Amp   |
| Power Cord Daisy Chain: | 5 Fixtures Max. (120V)<br>11 Fixtures Max (230V)       |
| Weight:                 | 21 lbs./ 9.5Kgs.                                       |
| Dimensions:             | 13" (L) x 7.5" (W) x 15.75" (H)<br>329 x 188 x 395.4mm |
| Colors:                 | RGBW Color Mixing                                      |
| DMX Channels:           | 14 DMX Channels  |
| Working Position:       | Any safe working position                              |
| Warranty:               | 2 Year (730 days)                                      |

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

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

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