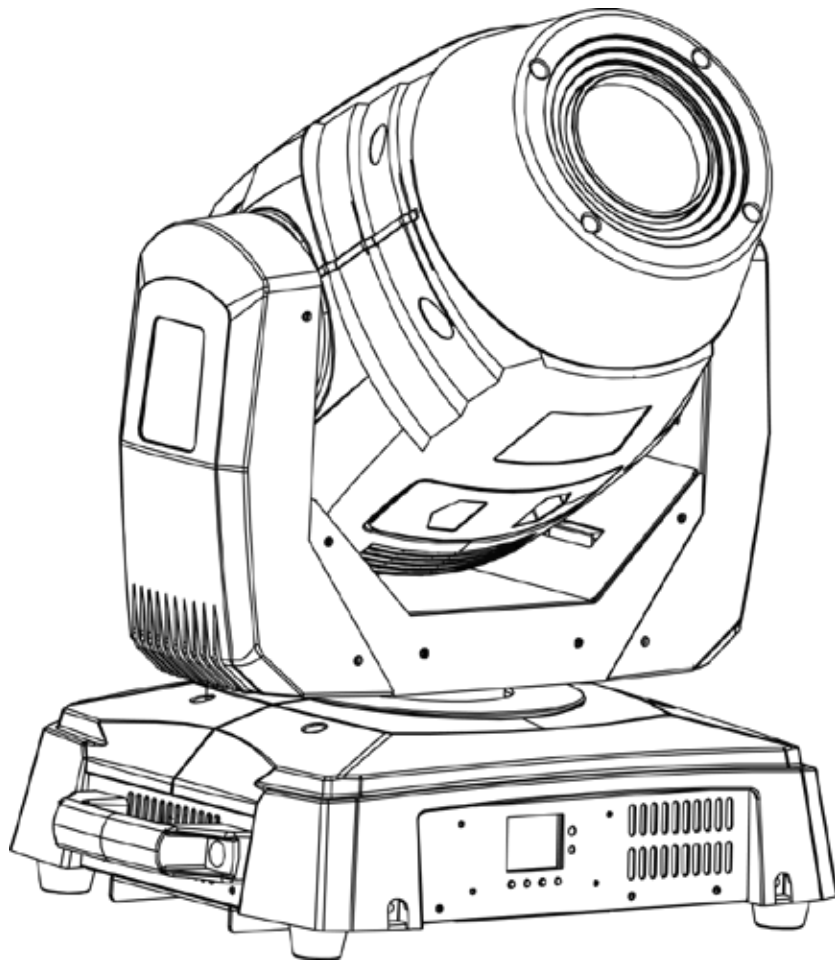


# INTIMIDATOR

## SPOT 455Z IRC

User Manual



**CHAUVET®**

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# 1. BEFORE YOU BEGIN

## What Is Included

- Intimidator Spot 455Z IRC
- Hanging Bracket with Mounting Hardware
- Power Cord
- Warranty Card
- Quick Reference Guide

## Unpacking Instructions

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

## Claims




If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate your claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with Chauvet within 7 days of delivery.

## Text Conventions

| Convention      | Meaning  |
|-----------------|--|
| 1–512           | A range of values                                  |
| 50/60           | A set of values of which only one can be chosen    |
| Settings        | A menu option not to be modified                   |
| Menu > Settings | A sequence of menu options to be followed          |
| <ENTER>         | A key to be pressed on the product's control panel |
| ON              | A value to be entered or selected                  |

## Symbols

| Symbol  | Meaning   |
|---|---|
|  | Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator. |
|  | Important installation or configuration information. The product may not function correctly if this information is not used.  |
|  | Useful information.   |

## Disclaimer

Chauvet believes that the information contained in this manual is accurate in all respects. However, Chauvet assumes no responsibility and specifically disclaims any and all liability to any party for any loss, damage or disruption caused by any errors or omissions in this document, whether such errors or omissions result from negligence, accident or any other cause. Chauvet reserves the right to revise the content of this document without any obligation to notify any person or company of such revision, however, Chauvet has no obligation to make, and does not commit to make, any such revisions. Download the latest version from [www.chauvetlighting.com](http://www.chauvetlighting.com).

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## Product at a Glance

|                 |   |                           |   |
|-----------------|---|---------------------------|---|
| Use on Dimmer   | X | Auto Programs             | P |
| Outdoor Use     | X | Auto-ranging Power Supply | P |
| Sound-Activated | P | Replaceable Fuse          | P |
| DMX             | P | User-Serviceable          | X |
| Master/Slave    | P |                           |   |

## Safety Notes

These notes include important information about the mounting, usage, and maintenance of this product; read before using the product.



- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Always disconnect the product from power before cleaning or replacing the fuse.
- Avoid direct eye exposure to the light source while the product is on.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power by pulling or tugging on the cord.
- If mounting the product overhead, always secure to a fastening device using a safety cable.
- Make sure there are no flammable materials close to the product when operating.
- Do not touch the product's housing when operating because it may be very hot.



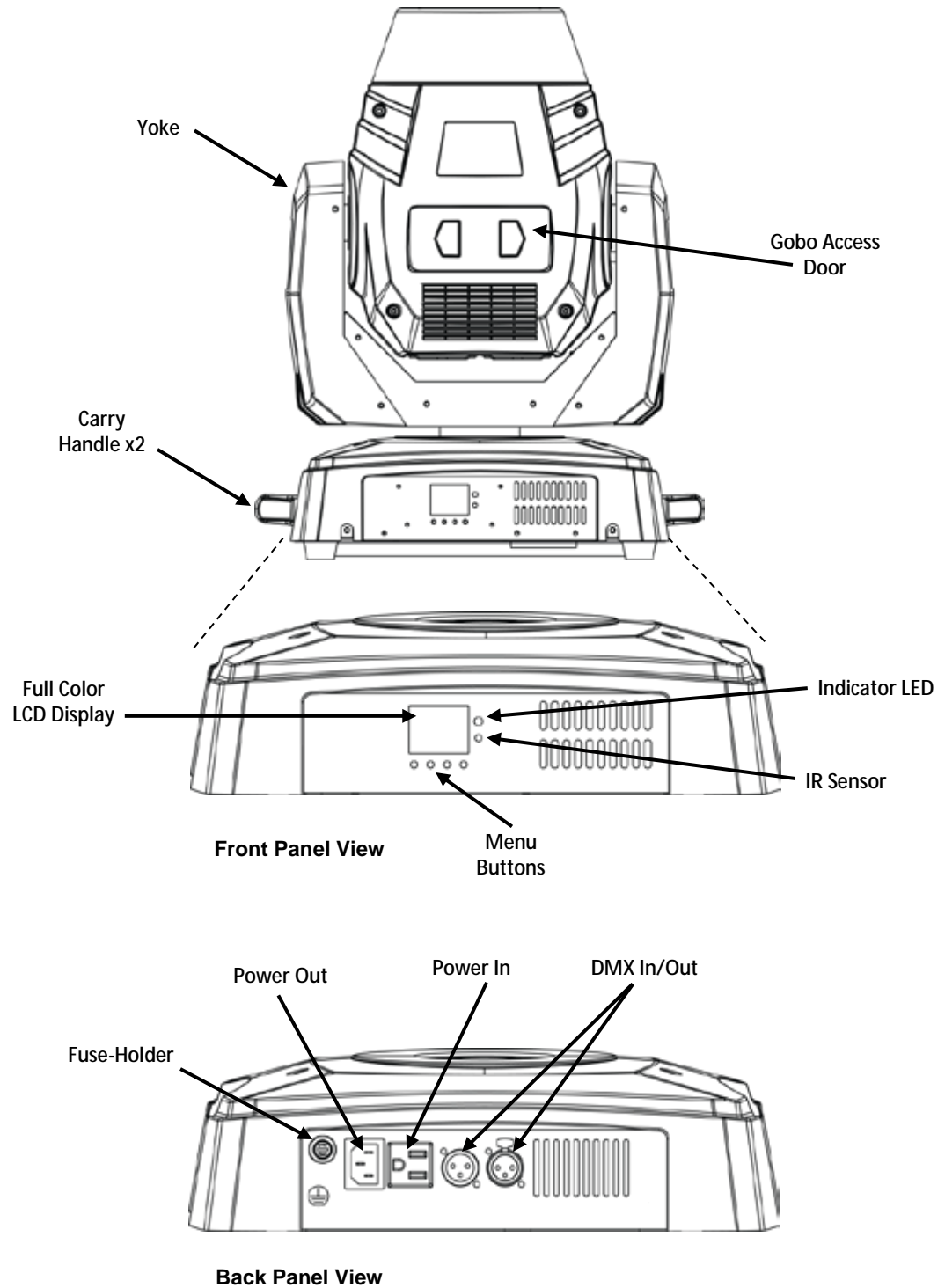
- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Be sure that no ventilation slots on the product's housing are blocked.
- Never connect the product to a dimmer or rheostat.
- Make sure to replace the fuse with another of the same type and rating.
- Never carry the product from the power cord or any moving part. Always use the hanging/mounting bracket.
- The maximum ambient temperature ( $T_a$ ) is 104 °F (40 °C). Do not operate the product at higher temperatures.
- In the event of a serious operating problem, stop using the product immediately.
- Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.



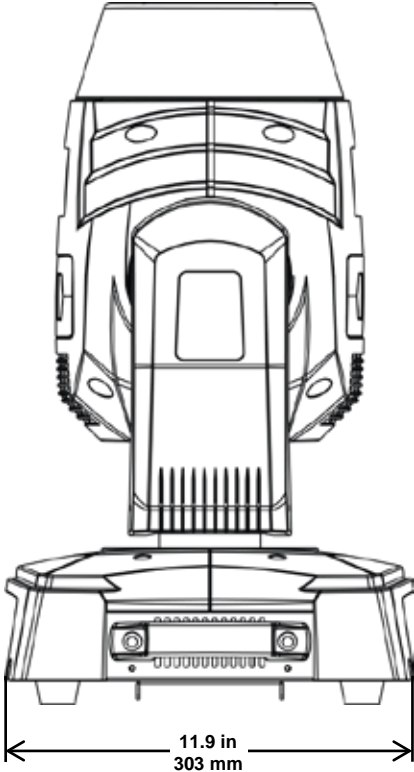
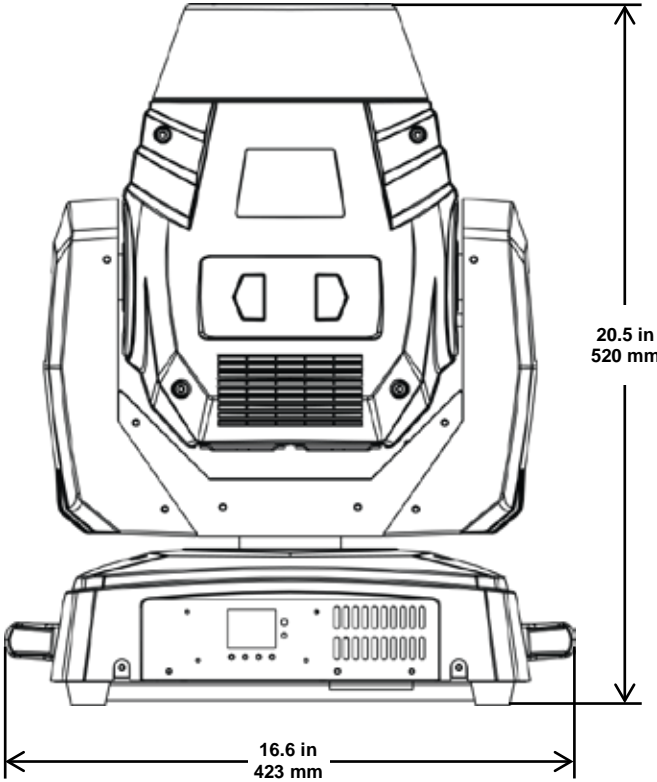
Keep this User Manual for future use. If you sell the product, give this document to the next owner.

## 2. INTRODUCTION

### Product Overview



# Product Dimensions



### 3. SETUP

**AC Power** The Intimidator Spot 455Z IRC has an auto-ranging power supply and it can work with an input voltage range of 100 to 240 VAC, 50/60 Hz.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.



- **Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**



- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**

- **Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.**

#### Fuse Replacement

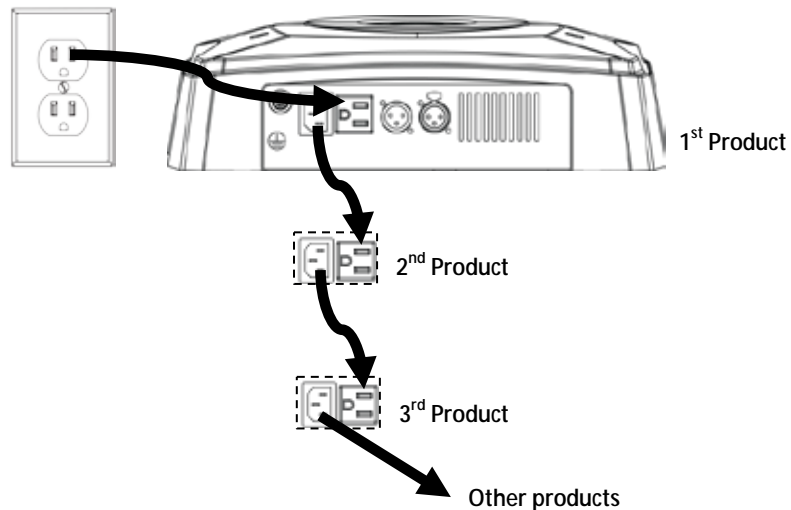
1. Disconnect the product from power.
2. Using a flat-head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse.
4. Replace with a fuse of the same type and rating.
5. Screw the fuse holder cap back in place and reconnect power.



- **Disconnect the product from power before replacing the fuse.**
- **Always replace a blown fuse with another of the same type and rating.**

**Power Linking** The product provides power linking via the IEC outlet located in the back of the unit.

Power Linking Diagram



- **You can power link up to 2 Intimidator Spot 455Z IRC units on 120 VAC or up to 5 Intimidator Spot 455Z IRC units on 230 VAC.**



- **The power linking diagram shown above corresponds to the North American version of the product ONLY! If using the product in other markets, you must consult with the local Chauvet distributor as power linking connectors and requirements may differ in your country or region.**

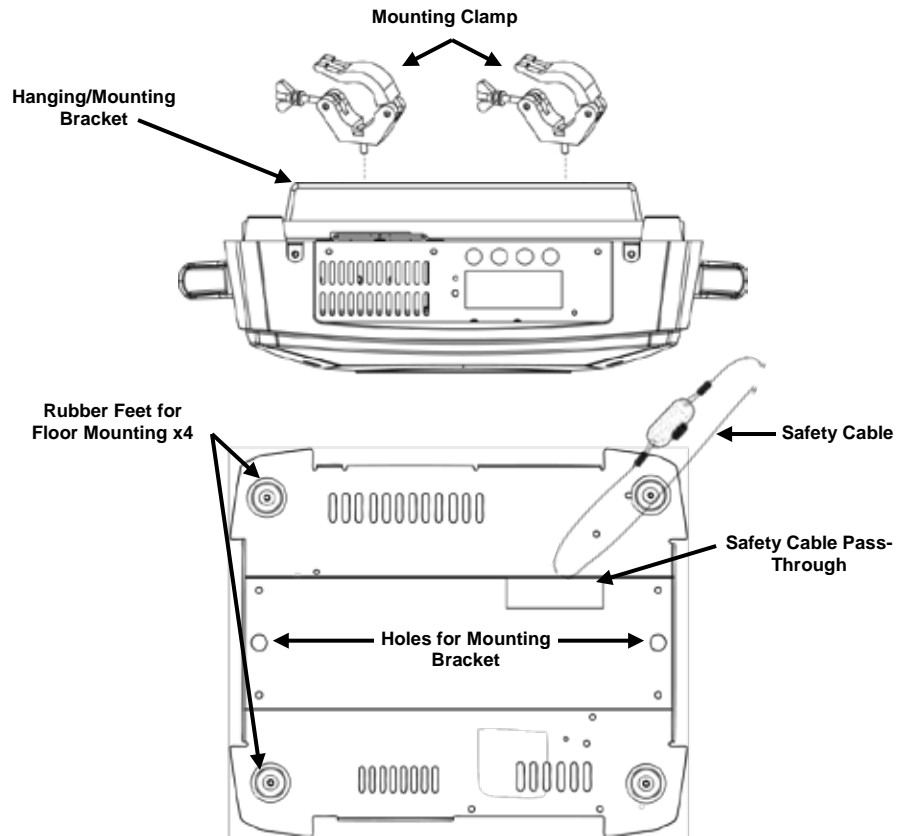


**Mounting** Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

**Orientation** The Intimidator Spot 455Z IRC may be mounted in any position; however, make sure adequate ventilation is provided around the product.

- Rigging**
- Before deciding on a location for the product, always make sure there is easy access to the product for maintenance and programming purposes.
  - Make sure that the structure or surface onto which you are mounting the product can support the product's weight. See the [Technical Specifications](#) for weight information. The CLP-15 clamp from Chauvet is appropriate for this product.
  - When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
  - When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
  - When power linking multiple products, always consider the length of the power linking cable and mount the products close enough for the cable to reach.
  - The rubber feet also serve as floor supports. When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

### Mounting Diagram



**When using only one mounting clamp with this fixture, use a clamp with a captive bolt to prevent accidental loosening.**

## 4. OPERATION

**Control Panel Operation** To access the control panel functions, use the four buttons located underneath the display.

| Button  | Function  |
|---------|---|
| <MENU>  | Press to find an operation mode or to back out of the current menu option |
| <UP>    | Press to scroll up the list of options or to find a higher value          |
| <DOWN>  | Press to scroll down the list of options or to find a lower value         |
| <ENTER> | Press to activate a menu option or a selected value                       |

### Menu Map

| Main Level       | Programming Levels        |                                     | Description                             |                                       |
|------------------|---------------------------|-------------------------------------|---|---------------------------------------|
| Address          | 001-512                   |                                     | Sets the DMX starting address           |                                       |
| Run Mode         | DMX                       | 16CH                                | Selects DMX mode                        |                                       |
|                  |                           | 10CH                                |   |                                       |
|                  | Slave                     | Slave1-4                            | Selects Slave mode 1, 2, 3, or 4        |                                       |
|                  | Sound                     |                                     | Selects Sound-Active mode               |                                       |
|                  | Auto                      |                                     | Selects Automatic mode                  |                                       |
|                  | IR                        |                                     | Selects infrared control                |                                       |
|                  | Manual                    | Pan                                 | 000-255                                 | 0-540°                                |
|                  |                           | Pan Fine                            |   | Fine control of panning               |
|                  |                           | Tilt                                |   | 0-270°                                |
|                  |                           | Tilt Fine                           |   | Fine control of tilting               |
|                  |                           | P/T Speed                           |   | Pan/Tilt speed (fast to slow)         |
|                  |                           | Color                               |   | Selects color options                 |
|                  |                           | Gobo                                |   | Selects gobo options                  |
|                  |                           | Gobo Rotate                         |   | Rotation effect with increasing speed |
|                  |                           | Gobo1                               |   | Selects fixed gobo options            |
|                  |                           | Prism                               |   | Selects 3-facet prism                 |
|                  |                           | Focus                               |   | Sets focus value                      |
|                  |                           | Dimmer                              |   | Sets dimmer value                     |
|                  |                           | Shutter                             |   | Strobe effect with increasing speed   |
|                  |                           | P/T Macro                           |   | Selects pan/tilt macros               |
| Special Function | Selects control functions |                                     |   |                                       |
| Zoom             | Sets zoom value           |                                     |   |                                       |
| Setup            | Pan Reverse               | OFF                                 | Normal pan operation                    |                                       |
|                  |                           | ON                                  | Reverse pan operation                   |                                       |
|                  | Tilt Reverse              | OFF                                 | Normal tilt operation                   |                                       |
|                  |                           | ON                                  | Reverse tilt operation                  |                                       |
|                  | Screen Reverse            | OFF                                 | Normal display                          |                                       |
|                  |                           | ON                                  | Reverse display                         |                                       |
|                  | Pan Angle                 | 540                                 | Selects the 540° pan angle range        |                                       |
|                  |                           | 360                                 | Selects the 360° pan angle range        |                                       |
|                  |                           | 180                                 | Selects the 180° pan angle range        |                                       |
|                  | Tilt Angle                | 240                                 | Selects the 240° tilt angle range       |                                       |
|                  |                           | 180                                 | Selects the 180° tilt angle range       |                                       |
|                  |                           | 090                                 | Selects the 90° tilt angle range        |                                       |
|                  | Totem Mode                | OFF                                 | Turns off Totem mode                    |                                       |
|                  |                           | UP                                  | Selects upward pan and tilt range       |                                       |
| DOWN             |                           | Selects downward pan and tilt range |   |                                       |
| Sensitivity      | 001-100                   | Sets sound sensitivity              |   |                                       |
| Reset            |                           | Resets the product                  |   |                                       |
| Factory Set      |                           | Loads factory defaults              |   |                                       |
| Sys Info         | Ver: V_._                 |                                     | Displays the software version           |                                       |
|                  | Running Mode: _ _ _ _ _   |                                     | Displays the current running mode       |                                       |
|                  | Dmx Address: _ _ _ _      |                                     | Displays the current DMX address        |                                       |
|                  | Temperature: _ _ _        |                                     | Displays the LED temperature in Celsius |                                       |

## Configuration (DMX)

Set the product in DMX mode to control with a DMX controller.

1. Connect the product to a suitable power outlet.
2. Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product.

## Starting Address

When selecting a starting DMX address, always consider the number of DMX channels the selected DMX mode uses. If you choose a starting address that is too high, you could restrict the access to some of the product's channels.

The Intimidator Spot 455Z IRC uses up to 16 DMX channels in its 16-channel DMX mode, which defines the highest configurable address to **497**.

If you are not familiar with the DMX protocol, download the DMX Primer from [www.chauvetlighting.com](http://www.chauvetlighting.com).

To select the starting address, do the following:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Address**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select the starting address.
5. Press **<ENTER>**.

## DMX Personalities

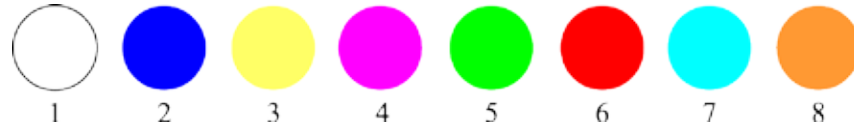
The Intimidator Spot 455Z IRC has two DMX personalities, a 16-channel personality and a 10-channel personality.

To choose which DMX personality to use, follow the steps below:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Run Mode**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **DMX**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** until either **16CH** (to choose the 16-channel personality) or **10CH** (to choose the 10-channel personality) shows on the display.
7. Press **<ENTER>**.

## Effect Wheels

### Color Wheel



### Rotating Gobo Wheel



### Static Gobo Wheel



## DMX Assignments

| 16CH | Channel | Function  | Value   | Percent/Setting                               |
|------|---------|---|---------|---|
|      | 1       | Pan   | 000-255 | 0-540°  |
|      | 2       | Fine Pan  | 000-255 | Fine control of pan                           |
|      | 3       | Tilt  | 000-255 | 0-270°  |
|      | 4       | Fine Tilt   | 000-255 | Fine control of tilt                          |
|      | 5       | Speed   | 000-255 | Pan/Tilt speed (fast to slow)                 |
|      | 6       | Color Wheel   | 000-007 | White   |
|      |         |   | 008-015 | Dark Blue                                     |
|      |         |   | 016-023 | Yellow  |
|      |         |   | 024-031 | Pink  |
|      |         |   | 032-039 | Green   |
|      |         |   | 040-047 | Red   |
|      |         |   | 048-055 | Light Blue                                    |
|      |         |   | 056-063 | Orange  |
|      |         |   | 064-071 | White + Dark Blue                             |
|      |         |   | 072-079 | Dark Blue + Yellow                            |
|      |         |   | 080-087 | Yellow + Pink                                 |
|      |         |   | 088-095 | Pink + Green                                  |
|      |         |   | 096-103 | Green + Red                                   |
|      |         |   | 104-111 | Red + Light Blue                              |
|      |         |   | 112-119 | Light Blue + Orange                           |
|      |         |   | 120-127 | Orange + White                                |
|      | 128-191 | Color cycling rainbow with increasing speed         |         |   |
|      | 192-255 | Reverse color cycling rainbow with increasing speed |         |   |
|      | 7       | Rotating Gobo Wheel                                 | 000-007 | White   |
|      |         |   | 008-015 | Gobo 1  |
|      |         |   | 016-023 | Gobo 2  |
|      |         |   | 024-031 | Gobo 3  |
|      |         |   | 032-039 | Gobo 4  |
|      |         |   | 040-047 | Gobo 5  |
|      |         |   | 048-055 | Gobo 6  |
|      |         |   | 056-063 | Gobo 7  |
|      |         |   | 064-071 | Gobo 7 shake (slow to fast)                   |
|      |         |   | 072-079 | Gobo 6 shake (slow to fast)                   |
|      |         |   | 080-087 | Gobo 5 shake (slow to fast)                   |
|      |         |   | 088-095 | Gobo 4 shake (slow to fast)                   |
|      |         |   | 096-103 | Gobo 3 shake (slow to fast)                   |
|      |         |   | 104-111 | Gobo 2 shake (slow to fast)                   |
|      |         |   | 112-119 | Gobo 1 shake (slow to fast)                   |
|      |         |   | 120-127 | Open  |
|      | 128-191 | Cycle effect with increasing speed                  |         |   |
|      | 192-255 | Reverse cycle effect with increasing speed          |         |   |
|      | 8       | Gobo Rotation                                       | 000-063 | Gobo indexing                                 |
|      |         |   | 064-147 | Rotation effect with increasing speed         |
|      |         |   | 148-231 | Reverse rotation effect with increasing speed |
|      |         |   | 232-255 | Gobo bounce                                   |

**16CH**  
(cont.)

| Channel   | Function                                   | Value   | Percent/Setting                               |
|-----------|--|---------|---|
| <b>9</b>  | <b>Static Gobo Wheel</b>                   | 000 006 | White   |
|           |  | 007 015 | Gobo 1  |
|           |  | 014 023 | Gobo 2  |
|           |  | 021 031 | Gobo 3  |
|           |  | 028 039 | Gobo 4  |
|           |  | 035 047 | Gobo 5  |
|           |  | 042 055 | Gobo 6  |
|           |  | 049 063 | Gobo 7  |
|           |  | 056 071 | Gobo 8  |
|           |  | 064 079 | Gobo 8 shake (slow to fast)                   |
|           |  | 072 087 | Gobo 7 shake (slow to fast)                   |
|           |  | 079 095 | Gobo 6 shake (slow to fast)                   |
|           |  | 086 103 | Gobo 5 shake (slow to fast)                   |
|           |  | 093 111 | Gobo 4 shake (slow to fast)                   |
|           |  | 100 119 | Gobo 3 shake (slow to fast)                   |
|           |  | 107 127 | Gobo 2 shake (slow to fast)                   |
|           |  | 114 191 | Gobo 1 shake (slow to fast)                   |
|           |  | 121 127 | Open  |
|           |  | 127 191 | Cycle effect with increasing speed            |
| 192 255   | Reverse cycle effect with increasing speed |         |   |
| <b>10</b> | <b>Prism</b>                               | 000 007 | No function                                   |
|           |  | 008 012 | Prism on                                      |
|           |  | 013 130 | Cycle effect with increasing speed            |
|           |  | 131 247 | Reverse cycle effect with increasing speed    |
|           |  | 248 255 | Prism on                                      |
| <b>11</b> | <b>Focus</b>                               | 000 255 | 0–100%  |
| <b>12</b> | <b>Dimmer</b>                              | 000 255 | 0–100%  |
| <b>13</b> | <b>Shutter</b>                             | 000 003 | Closed  |
|           |  | 004 007 | Open  |
|           |  | 008 076 | Synchronized strobe effect (increasing speed) |
|           |  | 077 145 | Strobe effect (increasing speed)              |
|           |  | 146 215 | Random shutter (increasing speed)             |
|           |  | 216 255 | Open  |

**16CH**  
(cont.)

| Channel | Function                | Value   | Percent/Setting  |
|---------|-------------------------|---------|--|
| 14      | Control Functions       | 000 007 | No function  |
|         |                         | 008 015 | Blackout while pan/tilt                                      |
|         |                         | 016 023 | Blackout while moving color wheel                            |
|         |                         | 024 031 | Blackout while moving gobo wheel                             |
|         |                         | 032 039 | Blackout while pan/tilt/moving color wheel                   |
|         |                         | 040 047 | Blackout while pan/tilt/moving gobo wheel                    |
|         |                         | 048 055 | Blackout while pan/tilt/moving gobo wheel/moving color wheel |
|         |                         | 056 087 | No function  |
|         |                         | 088 095 | Reset pan  |
|         |                         | 096 103 | Reset tilt   |
|         |                         | 104 111 | No function  |
|         |                         | 112 119 | Reset color wheel  |
|         |                         | 120 122 | Reset dynamic gobo wheel                                     |
|         |                         | 128 135 | Reset gobo rotation  |
|         |                         | 136 143 | Reset prism  |
|         |                         | 144 151 | Reset focus  |
|         |                         | 152 159 | Reset all channels   |
|         |                         | 160 167 | Reset zoom   |
|         |                         | 168 177 | Reset static gobo wheel                                      |
| 176 255 | No function             |         |  |
| 15      | Movement Macros         | 000 007 | No function  |
|         |                         | 008 023 | Automatic movement 1   |
|         |                         | 024 039 | Automatic movement 2   |
|         |                         | 040 055 | Automatic movement 3   |
|         |                         | 056 071 | Automatic movement 4   |
|         |                         | 072 087 | Automatic movement 5   |
|         |                         | 088 103 | Automatic movement 6   |
|         |                         | 104 119 | Automatic movement 7   |
|         |                         | 120 135 | Automatic movement 8   |
|         |                         | 136 151 | Sound-active movement 1                                      |
|         |                         | 152 167 | Sound-active movement 2                                      |
|         |                         | 168 183 | Sound-active movement 3                                      |
|         |                         | 184 199 | Sound-active movement 4                                      |
|         |                         | 200 215 | Sound-active movement 5                                      |
|         |                         | 216 231 | Sound-active movement 6                                      |
|         |                         | 232 247 | Sound-active movement 7                                      |
| 248 255 | Sound-active movement 8 |         |  |
| 16      | Zoom                    | 000 255 | 0–100%   |

| 10CH | Channel  | Function  | Value    | Percent/Setting                               |
|------|----------|---|----------|---|
|      | 1        | Pan   | 000◊ 255 | 0–540°  |
|      | 2        | Tilt  | 000◊ 255 | 0–270°  |
|      | 3        | Color Wheel   | 000◊ 007 | White   |
|      |          |   | 008◊ 015 | Dark Blue                                     |
|      |          |   | 016◊ 023 | Yellow  |
|      |          |   | 024◊ 031 | Pink  |
|      |          |   | 032◊ 039 | Green   |
|      |          |   | 040◊ 047 | Red   |
|      |          |   | 048◊ 055 | Light Blue                                    |
|      |          |   | 056◊ 063 | Orange  |
|      |          |   | 064◊ 071 | White + Dark Blue                             |
|      |          |   | 072◊ 079 | Dark Blue + Yellow                            |
|      |          |   | 080◊ 087 | Yellow + Pink                                 |
|      |          |   | 088◊ 095 | Pink + Green                                  |
|      |          |   | 096◊ 103 | Green + Red                                   |
|      |          |   | 104◊ 111 | Red + Light Blue                              |
|      |          |   | 112◊ 119 | Light Blue + Orange                           |
|      |          |   | 120◊ 127 | Orange + White                                |
|      |          |   | 128◊ 191 | Color cycling rainbow with increasing speed   |
|      | 192◊ 255 | Reverse color cycling rainbow with increasing speed |          |   |
|      | 4        | Rotating Gobo Wheel                                 | 000◊ 007 | White   |
|      |          |   | 008◊ 015 | Gobo 1  |
|      |          |   | 016◊ 023 | Gobo 2  |
|      |          |   | 024◊ 031 | Gobo 3  |
|      |          |   | 032◊ 039 | Gobo 4  |
|      |          |   | 040◊ 047 | Gobo 5  |
|      |          |   | 048◊ 055 | Gobo 6  |
|      |          |   | 056◊ 063 | Gobo 7  |
|      |          |   | 064◊ 071 | Gobo 7 shake (slow to fast)                   |
|      |          |   | 072◊ 079 | Gobo 6 shake (slow to fast)                   |
|      |          |   | 080◊ 087 | Gobo 5 shake (slow to fast)                   |
|      |          |   | 088◊ 095 | Gobo 4 shake (slow to fast)                   |
|      |          |   | 096◊ 103 | Gobo 3 shake (slow to fast)                   |
|      |          |   | 104◊ 111 | Gobo 2 shake (slow to fast)                   |
|      | 112◊ 119 | Gobo 1 shake (slow to fast)                         |          |   |
|      | 120◊ 127 | Open  |          |   |
|      | 128◊ 191 | Cycle effect with increasing speed                  |          |   |
|      | 192◊ 255 | Reverse cycle effect with increasing speed          |          |   |
|      | 5        | Gobo Rotation                                       | 000◊ 063 | Gobo indexing                                 |
|      |          |   | 064◊ 147 | Rotation effect with increasing speed         |
|      |          |   | 148◊ 231 | Reverse rotation effect with increasing speed |
|      |          |   | 232◊ 255 | Gobo bounce                                   |

**10CH**  
(cont.)

| Channel   | Function                                   | Value    | Percent/Setting                               |
|-----------|--|----------|---|
| <b>6</b>  | <b>Static Gobo Wheel</b>                   | 000ó 006 | White   |
|           |  | 007ó 015 | Gobo 1  |
|           |  | 014ó 023 | Gobo 2  |
|           |  | 021ó 031 | Gobo 3  |
|           |  | 028ó 039 | Gobo 4  |
|           |  | 035ó 047 | Gobo 5  |
|           |  | 042ó 055 | Gobo 6  |
|           |  | 049ó 063 | Gobo 7  |
|           |  | 056ó 071 | Gobo 8  |
|           |  | 064ó 079 | Gobo 8 shake (slow to fast)                   |
|           |  | 072ó 087 | Gobo 7 shake (slow to fast)                   |
|           |  | 079ó 095 | Gobo 6 shake (slow to fast)                   |
|           |  | 086ó 103 | Gobo 5 shake (slow to fast)                   |
|           |  | 093ó 111 | Gobo 4 shake (slow to fast)                   |
|           |  | 100ó 119 | Gobo 3 shake (slow to fast)                   |
|           |  | 107ó 127 | Gobo 2 shake (slow to fast)                   |
|           |  | 114ó 191 | Gobo 1 shake (slow to fast)                   |
|           |  | 121ó 127 | Open  |
|           |  | 127ó 191 | Cycle effect with increasing speed            |
| 192ó 255  | Reverse cycle effect with increasing speed |          |   |
| <b>7</b>  | <b>Prism</b>                               | 000ó 007 | No function                                   |
|           |  | 008ó 012 | Prism on                                      |
|           |  | 013ó 130 | Cycle effect with increasing speed            |
|           |  | 131ó 247 | Reverse cycle effect with increasing speed    |
|           |  | 248ó 255 | Prism on                                      |
| <b>8</b>  | <b>Focus</b>                               | 000ó 255 | 0–100%  |
| <b>9</b>  | <b>Shutter</b>                             | 000ó 003 | Closed  |
|           |  | 004ó 007 | Open  |
|           |  | 008ó 076 | Synchronized strobe effect (increasing speed) |
|           |  | 077ó 145 | Strobe effect (increasing speed)              |
|           |  | 146ó 215 | Random shutter (increasing speed)             |
|           |  | 216ó 255 | Open  |
| <b>10</b> | <b>Zoom</b>                                | 000ó 255 | 0–100%  |



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## Configuration (Standalone)

Set the product in one of the standalone modes to control without a DMX controller.

- Connect the product to power.



**Never connect a product that is operating in any standalone mode (either Automatic or Sound-Active) to a DMX string connected to a DMX controller. Products in standalone mode may transmit DMX signals that could interfere with the DMX signals from the controller.**

### Sound-Active Mode

To enable the Sound-Active mode, do the following.

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Run Mode**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Sound**.
5. Press **<ENTER>**.



**The product will only respond to low frequencies of music (bass and drums).**

### Sound Sensitivity

To set the sound sensitivity, do the following.

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Setup**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Sensitivity**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** to select **001–100**, low to high.
7. Press **<ENTER>**.

### Automatic Mode

To enable the Automatic mode, follow the instructions below:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Run Mode**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Auto**.
5. Press **<ENTER>**.

### Totem Mode

To activate the Totem Mode, do the following:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Setup**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Totem Mode**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** to choose **OFF, DOWN, or UP**.
7. Press **<ENTER>**.

---

**Manual Mode** To test or control any function of the Intimidator Spot 455Z IRC through the LCD display menu, follow the instructions below:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Run Mode**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Manual**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** to select the function to test or control, from the options: **Pan, Pan Fine, Tilt, Tilt Fine, P/T Speed, Color, Gobo, Gobo Rotate, Gobo1, Prism, Focus, Dimmer, Shutter, P/T Macro, Special Functions, and Zoom**.
7. Press **<ENTER>**.
8. Use **<UP>** or **<DOWN>** to change the value of the selected function, from **000–255**.

**NOTE:** For information regarding what each value range does for each function, see the [DMX Assignments for 16CH Mode](#).

**Pan/Tilt Orientation** To select whether the Intimidator Spot 455Z IRC will operate with normal panning or inverted panning, do the following.

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Setup**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Pan Reverse**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** to select **ON** or **OFF**.
7. Press **<ENTER>**.

To select whether the Intimidator Spot 455Z IRC will operate with normal tilting or inverted tilting, do the following:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Setup**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Tilt Reverse**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** to select **ON** or **OFF**.
7. Press **<ENTER>**.

**Pan/Tilt Angle Range** The user can select the range for the pan and tilt angles on the Intimidator Spot 455Z. To select which pan angle range to use, do the following.

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Setup**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Pan Angle**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** to select **540, 360, or 180**.
7. Press **<ENTER>**.

To select which tilt angle range to use, do the following.

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Setup**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Tilt Angle**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** to select **240, 180, or 090**.
7. Press **<ENTER>**.

---

**Screen Reverse** The user can flip the LED display for easy readability in any mounting situation.

To select the display orientation:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Setup**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Screen Reverse**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** to select **ON** or **OFF**.
7. Press **<ENTER>**.

**Reset** The **Reset** option will restart the product, but does not change any settings. To restart the Intimidator Spot 455Z IRC, do the following:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Setup**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to choose **Reset**.
5. Press **<ENTER>**.

**Factory Reset** Using the **Factory Set** option will clear out all customized settings and return the settings to the factory defaults To reset the Intimidator Spot 455Z IRC to factory defaults, follow the instructions below:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Setup**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to choose **Factory Set**.
5. Press **<ENTER>**.

**System Information** To view information about the Intimidator Spot 455Z IRC:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Sys Info**.
3. Press **<ENTER>**. The current information about the product will show on the display.

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## Master/Slave Mode

The Master/Slave mode allows a single Intimidator Spot 455Z IRC (the master) to control the actions of one or more Intimidator Spot 455Z IRC products (the slaves) without the need of a DMX controller. The master will be set to operate in either Automatic or Sound-Active mode, while the slaves will be set to operate in Slave mode. Once set and connected, the slaves will operate in unison with the master.

Configure the products as indicated below.

### Slaves:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to choose **Run Mode**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Slave**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** to select **Slave1**, **Slave2**, **Slave3**, or **Slave4**.
  - Select **Slave1** for 100% synchronized actions.
  - Select **Slave2**, **Slave3**, or **Slave4** for a delayed show with all heads in the same direction but with a delay creating a wave effect.
7. Press **<ENTER>**.
8. Connect the DMX input of the first slave product to the DMX output of the master.
9. Connect the DMX input of the subsequent slaves to the DMX output of the previous slave.
10. Finish setting and connecting all the slaves.

### Master:

1. Set the master to operate in either Automatic or Sound-Active mode.
2. Make the master the first product in the DMX daisy chain.

**When including Intimidator Spot LED 450 products in Master/Slave configuration with Intimidator Spot 455Z IRC products, you must observe the following:**



- **When the Intimidator Spot LED 450 is the master and the Intimidator Spot 455Z IRC is connected as a slave, the Intimidator Spot 455Z IRC must be set to DMX mode with a starting address of 001. DO NOT set the Intimidator Spot 455Z IRC in Slave mode when an Intimidator Spot LED 450 is the master.**



- **The Intimidator Spot 455Z IRC will not operate as the master to an Intimidator Spot LED 450 connected as a slave.**
- **Configure all the slaves before connecting the master to the DMX daisy chain.**
- **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master.**
- **Do not connect more than 31 slave units to the master.**

## IR Mode

IR mode allows the product to be controlled with an infrared remote controller. The IRC-6 can remotely set the product to various modes; adjust the color, speed and sensitivity; and set the strobe.

To set the product to IR mode, do the following:

1. Make sure the product is plugged into a power source and not connected to a DMX cable.
2. Press **<MENU>**.
3. Use **<UP>** or **<DOWN>** to choose **Run Mode**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to choose **IR**.
6. Press **<ENTER>** and the IR indicator on the front of the Intimidator Spot 455Z IRC lights up.

## IRC-6 Operation

Be sure the IRC-6 remote is pointing directly at the product and there is nothing in between the remote and the product.

Some of the buttons on the remote work differently than what is indicated on their labels. For example:



- **<MANUAL>** changes the Gobo pattern.
- **<FADE>** changes the color.
- **<R>**, **<G>**, **<B>**, **<A>**, **<UV>**, and **<W>** control other manual functions.

Please read the next section carefully.



The list below describes which features each button controls.

- **<BLACKOUT>** - Turns LED on and off.
- **<AUTO>** - Activates Auto mode. Use the **<+>** and **<->** buttons to cycle through Auto modes.
- **<SOUND>** - Activates Sound mode.
- **<STROBE>** - Activates the strobe. Use the **<+>** and **<->** buttons to cycle through strobe speeds.
- **<SPEED>** - Adjusts the movement speed. Use the **<+>** and **<->** buttons to cycle through movement speeds.
- **<SENSITIVITY>** - Adjusts sound sensitivity. Use the **<+>** and **<->** buttons to cycle through sound sensitivity levels.
- **<%>** - Adjusts the brightness of the LEDs. Use the **<+>** and **<->** buttons to increase or decrease the brightness of the LEDs.
- **<MANUAL>** - Changes the Gobo pattern. Use the **<+>** and **<->** buttons to scroll through the GOBO options.
- **<FADE>** Changes the color. Use the **<+>** and **<->** buttons to scroll through the color options.
- **<R>** - Activates color wheel rotation control. Use the **<+>** and **<->** buttons to increase or decrease rotation speed.
- **<G>** - Activates Gobo wheel rotation control. Use the **<+>** and **<->** buttons to increase or decrease rotation speed.
- **<B>** - Activates color and Gobo auto mode, independent from movement.
- **<A>** - Activates pan and tilt control. Press **<A>** to toggle pan and tilt, and use the **<+>** and **<->** buttons to increase or decrease pan or tilt values.
- **<UV>** - Activates zoom control. Use the **<+>** and **<->** buttons to set zoom value.
- **<W>** - Activates prism control. Use the **<+>** and **<->** buttons to set prism value, **0–15** for off, **16–255** for on.
- **<+>** - Increases values for controls as described above.
- **<->** - Decreases values for controls as described above.
- **<0>–<9>** - Activates specific Auto modes. Can be used as a shortcut for the combination of the **<AUTO>** button and the **<+>** and **<->** buttons.

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## Zero Adjust Mode

The Intimidator Spot 455Z IRC contains a passcode-protected mode which allows you to calibrate and adjust several of the product's operating parameters.

In order to access this mode, do the following:

1. Press **<MENU>** repeatedly until the current operating mode shows on the display.
2. Press and hold **<MENU>** for at least 3 seconds.
3. Use **<UP>** and **<DOWN>** to enter the passcode: **2323**.
4. Press **<ENTER>**.

In this mode there are several options for adjustment:

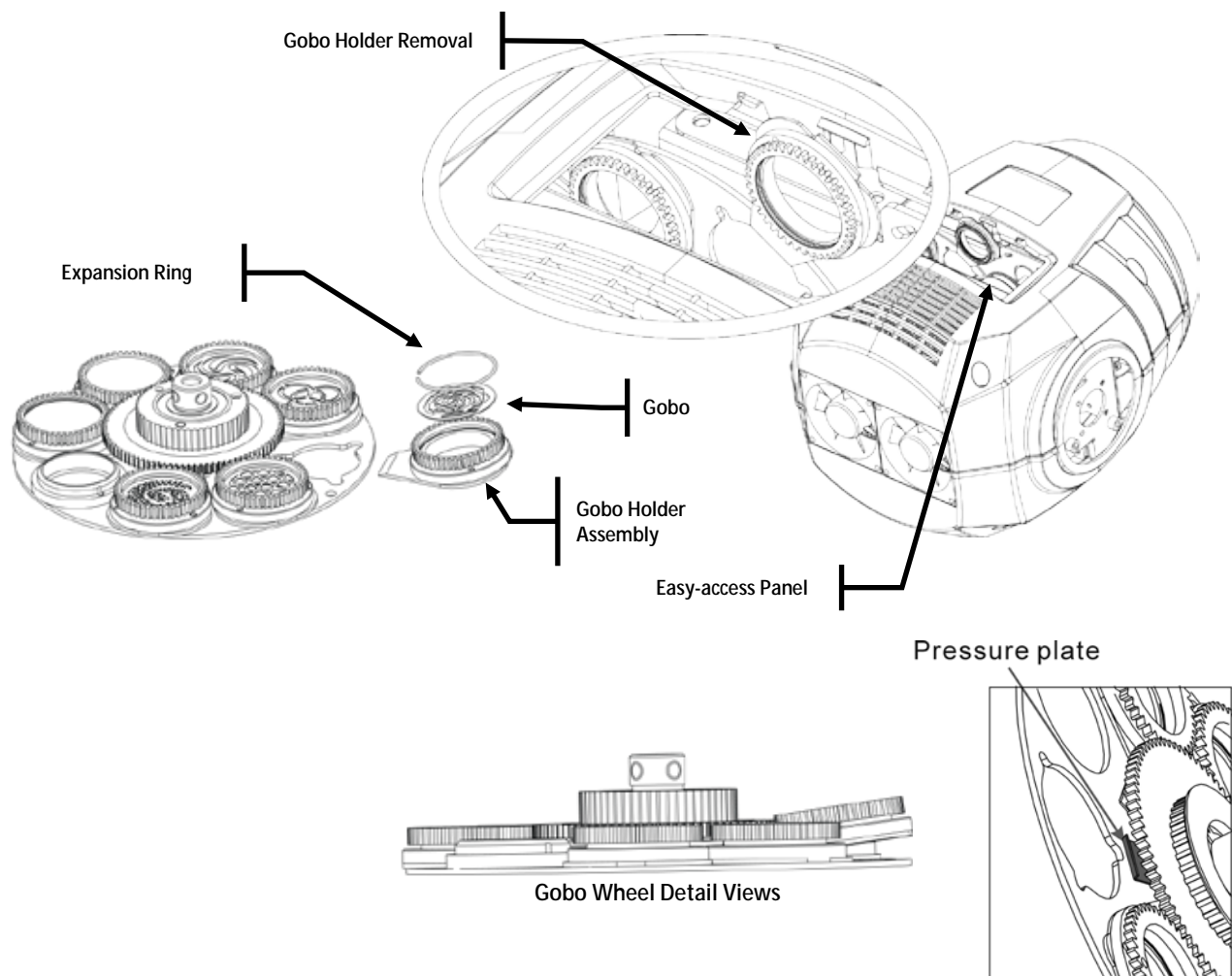
| Parameter | Default | Description   |
|-----------|---------|---|
| PAN       | 128     | Manually adjust the starting pan angle                    |
| TILT      | 090     | Manually adjust the starting tilt angle                   |
| GOBO      | 128     | Manually adjust the rotating gobo wheel starting position |
| GOBOR     | 128     | Manually adjust the gobo rotation starting position       |
| GOBO1     | 128     | Manually adjust the static gobo wheel starting position   |
| COLOR     | 128     | Manually adjust the color wheel starting position         |
| PRISM     | 128     | Manually adjust the prism starting position               |
| FOCUS     | 090     | Manually adjust the focus lens starting position          |
| ZOOM      | 128     | Manually adjust the zoom lens starting position           |
| LED       | 000     | Manually adjust the starting brightness of the LED        |

## Changing Gobos

To change the gobos in the Intimidator Spot 455Z IRC, do not remove the gobo wheel. Instead:

1. Disconnect product from power outlet.
2. Place the product on a flat, level surface with the front facing up.
3. Access the gobo plate by removing the cover on the moving head. By hand, gently push downward on the cover, in the direction of the debossed arrowhead on the cover.
4. Rotate the gobo wheel until the gobo that needs replacing is accessible.
5. Separate the gobo holder assembly away from the gobo wheel by pushing it forward and up. Be careful not to push the gobo out of the gobo plate.
6. Extract the gobo holder by pulling it backwards out of the product.
7. On a flat surface, remove the expansion ring that holds the gobo in place and remove the gobo from the gobo plate.
8. Insert a new gobo and hold it in place with the expansion ring.
9. To re-insert the new gobos, slide the tip of the gobo holder under the pressure plate near the center of the gobo wheel.
10. Push the gobo holder assembly inwards. DO NOT force the gobo holder into the gobo wheel slot. Slightly move the holder from side-to-side if needed to get it to seat properly. If correctly installed, the bottom of the holder will be flush with the gobo wheel.
11. Push cover back into position.

### Gobo Replacement Diagram



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## 6. TECHNICAL INFORMATION

### **Product Maintenance**

Dust build up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life. To maintain optimum performance and minimize wear, you should clean your lighting products at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow the instructions below:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.
4. Clean all glass/transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
5. Apply the solution directly to a soft, lint free cotton cloth or a lens cleaning tissue.
6. Softly drag any dirt or grime to the outside of the glass/transparent surface.
7. Gently polish the glass/transparent surfaces until they are free of haze and lint.



**Always dry the glass/transparent surfaces carefully after cleaning them.**



**Do not spin the cooling fans using compressed air because you could damage them.**



# 7. TECHNICAL SPECIFICATIONS

| Dimensions and Weight | Length           | Width            | Height (pointing upward) | Weight            |
|-----------------------|------------------|------------------|--------------------------|-------------------|
|                       | 16.6 in (423 mm) | 11.9 in (303 mm) | 20.5 in (520 mm)         | 42.2 lb (19.2 kg) |

**Note:** Dimensions in inches rounded to the nearest decimal digit.

| Power     | Power Supply Type             | Range                    | Voltage Selection |
|-----------|-------------------------------|--------------------------|-------------------|
|           | Switching (internal)          | 100 to 240 VAC, 50/60 Hz | Auto-ranging      |
| Parameter | 120 V, 60 Hz                  | 230 V, 50 Hz             |                   |
|           | Consumption                   | 327 W                    | 304 W             |
|           | Operating                     | 2.9 A                    | 1.5 A             |
|           | Power linking current (units) | 13.6 A (2 units)         | 13.6 A (5 units)  |
|           | Fuse                          | F 7 A, 250 V             | F 7 A, 250 V      |
| Power I/O | US/Worldwide                  | UK/Europe                |                   |
|           | Power input connector         | IEC                      | IEC               |
|           | Power output connector        | Edison                   | IEC               |
|           | Power Cord plug               | Edison (US)              | Local plug        |

| Light Source | Type     | Power   | Lifespan     |
|--------------|----------|---------|--------------|
|              | LED      | 180 W   | 50,000 hours |
| Color        | Quantity | Current |              |
|              | White    | 1       | 48.1 A       |

| Photometrics | Parameter         |  |                      |
|--------------|-------------------|--|----------------------|
|              | Illuminance (13°) | 38,200 lux @ 2 m   |                      |
|              | Illuminance (28°) | 8,720 lux @ 2 m  |                      |
|              | Zoom angle        | 13° to 28°   |                      |
|              | Strobe Rate       | 0 to 15 Hz   |                      |
|              | Pan and Tilt      | 540° Pan   | 240° Tilt            |
|              | Pan/Tilt Ranges   | 540°, 360°, 180° Pan                                     | 240°, 180°, 90° Tilt |
|              | Gobo Size         | 26.8 mm outside<br>22 mm image<br>1 mm maximum thickness |                      |

| Thermal | Maximum External Temp. | Cooling System |
|---------|------------------------|----------------|
|         | 104 °F (40 °C)         | Fan-cooled     |

| DMX | I/O Connectors | Connector Type | Channel Range |
|-----|----------------|----------------|---------------|
|     | 3-pin XLR      | Sockets        | 10 or 16      |

| Ordering | Product Name              | Item Code | UPC Number   |
|----------|---------------------------|-----------|--------------|
|          | Intimidator Spot 455Z IRC | 08011031  | 781462213794 |



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# RETURNS

In case you need to get support or return a product:

- 1) If you are located in the U.S., contact Chauvet World Headquarters.
- 2) If you are located in the UK or Ireland, contact Chauvet Europe Ltd.
- 3) If you are located in Mexico, contact Chauvet Mexico.
- 4) If you are located in Benelux, contact Chauvet Europe BVBA.
- 5) If you are located in any other country, DO NOT contact Chauvet. Instead, contact your local distributor. See [www.chauvetlighting.com](http://www.chauvetlighting.com) for distributors outside the U.S., UK, Ireland, Mexico, or Benelux.



**If you are located outside the U.S., UK, Ireland, Mexico, or Benelux, contact your distributor of record and follow their instructions on how to return Chauvet products to them. Visit our website [www.chauvetlighting.com](http://www.chauvetlighting.com) for contact details.**

Call the corresponding Chauvet Technical Support office and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

Send the merchandise prepaid, in its original box, and with its original packing and accessories. Chauvet will not issue call tags.

Clearly label the package with the RMA number. Chauvet will refuse any product returned without an RMA number.



**Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.**

Before sending the product, clearly write the following information on a piece of paper and place it inside the box:

- Your name
- Your address
- Your phone number
- RMA number
- A brief description of the problem

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be your responsibility. FedEx packing or double-boxing are recommended.



**Chauvet reserves the right to use its own discretion to repair or replace returned product(s).**

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# CONTACT Us

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Outside the U.S., United Kingdom, Ireland, Mexico, or Benelux contact the dealer of record. Follow their instructions to request support or to return a product. Visit our website for contact details.