

# Acue<sup>®</sup>Lighting

PROFESSIONAL STAGE LIGHTING

## DJ BAR FX



USER MANUAL

## **1. INTRODUCTION**

Thank you for choosing the Acue Lighting DJ FX BAR. To use this product correctly and safely, please read the instructions carefully before installing and using this product. This manual contains important installation and operation information. Make sure to strictly follow the instructions when installing and operating this product. Retain this manual in a safe place for future reference.

The DJ FX BAR uses a high-temperature resistant metal/aluminum body with some plastic components. This product is designed and produced in strict accordance with CE standards and conforms to the international standard of DMX512 signal protocol. It can be controlled manually from the display, IR remote control or by DMX using the built in 3 pin XLR in/out connectors. This fixture has multiple DMX channel modes to choose from. It is suitable for various types of small DJ events, studios, nightclubs, bars and other like environments.

## **2. SAFETY INSTRUCTIONS**

- Please keep this User Manual for future reference. All users of this fixture must read the user manual thoroughly.
- Unpack and check contents carefully to make sure there is no damage caused by shipping before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to properly ground the fixture to avoid electric shock.
- The unit is for indoor use only. Use only in a dry location.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power before moving fixture.
- Make sure there are no flammable materials close to the unit while operating, as it is fire hazard.
- Use safety cable when mounting this unit.
- Maximum ambient operating temperature is :40°C. Do not operate if the temperature is higher than this.
- Unit surface temperature may reach up to 85°C. Do not touch the housing bare-handed during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

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

### **3. Maintenance and Installation**

#### **3.1 Maintenance**

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Intermittent usage will extend this fixtures service life.
- Please clear the fans, fan nets, and optical lens of any dust or obstructions in order to keep the fixture in a proper working state.
- Do not use alcohol or any other organic solvent to wipe the shell.

#### **3.2 Statement**

All fixtures have been tested thoroughly before leaving the factory. In order to keep the product in good condition and ensure safe operation, users should follow the safety precautions and warnings in this manual.

**Important: Damages caused by not following the guidelines in this user manual are not covered under warranty. The manufacturer is not responsible for product issues caused by misuse.**

#### **3.3 Safety Precaution**

- In order to guarantee the product's life expectancy, do not store or use in damp places or environments over 60°C.
- Always mount this unit in a safe and stable manner. Mounting system must be able to withstand 10x that of the fixture's weight. A safety cable must always be used as a secondary source for securing the fixture.
- Skilled individuals must only perform the installation of this fixture.
- This product can be used in the voltage range of 90-240V and is an indoor product. Please make sure that the power mains voltage used is not higher/or lower than what the product can withstand! The power plug must be inserted into a protected Class I socket and must be grounded properly.
- In order to make sure the product is used properly, please read this manual carefully.

### **3.4 Cable connection (DMX)**

Make sure to use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, Low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 3 or 5 pin male/female connectors. A terminating plug must be inserted into the last fixture with a resistance of 120 Ohm (minimum 1/4 W) between terminals 2 and 3.

**IMPORTANT:** The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the ground of the connector plugs.

### **4. Display Operation**

|                    |                |                               |
|--------------------|----------------|-------------------------------|
| <b>Addr</b>        | <b>001-512</b> | 512 Address Setting           |
| <b>CHnd</b>        | <b>18CH</b>    | 18 channel mode               |
|                    | <b>36CH</b>    | 36 channel mode               |
|                    | <b>66CH</b>    | 66 channel mode               |
| <b>Slnd</b>        | <b>Aut1</b>    | Automatic mode 1              |
|                    | <b>Aut2</b>    | Automatic mode 2              |
|                    | <b>Sou1</b>    | Voice control mode 1          |
|                    | <b>Sou2</b>    | Voice control mode 2          |
|                    | <b>Slve 1</b>  | Slave Mode                    |
| <b>Auto Speed</b>  | <b>0-100</b>   | Auto program speed adjustment |
| <b>Sound Sense</b> | <b>0-100</b>   | Voice sensitivity adjustment  |
| <b>LED</b>         | <b>OFF</b>     | Turn off screen saver         |
|                    | <b>ON</b>      | Turn on screen saver          |
| <b>Disp</b>        | <b>Off</b>     | Turn off reverse display      |
|                    | <b>ON</b>      | Enable reverse display        |
| <b>Rest</b>        | <b>YES</b>     | System reset                  |

## 5. DMX Channels

### 66 Channel Mode

| Channel | Value  | Description                    |
|---------|--------|--------------------------------|
| 1       | 0-255  | LED overall dimming            |
| 2       | 0-255  | Flash speed adjustment         |
| 3       | 0-255  | X1 motor                       |
| 4       | 0-255  | X1 motor fine adjustment       |
| 5       | 0-255  | Y1 motor                       |
| 6       | 0-255  | Y1 motor fine adjustment       |
| 7       | 0-255  | XY motor operating speed       |
| 8       | 0-255  | Color 1 motor                  |
| 9       | 0-255  | Pattern 1 Motor                |
| 10      | 0-255  | Daylight 1 Dimming             |
| 11      | 0-255  | Red laser                      |
| 12      | 0-255  | PAR light 1 red dimming        |
| 13      | 0-255  | PAR light 1 green dimming      |
| 14      | 0-255  | PAR light 1 blue dimming       |
| 15      | 0-255  | PAR light 1 white dimming      |
| 16      | 0-255  | Circle control red 1 dimming   |
| 17      | 0-255  | Circle control green 1 dimming |
| 18      | 0-255  | Circle control blue 1 dimming  |
|         | .....° |                                |
| 25      | 0-255  | Circle control red 4 dimming   |
| 26      | 0-255  | Circle control green 4 dimming |
| 27      | 0-255  | Circle control blue 4 dimming  |
| 28      | 0-255  | X2 motor                       |
| 29      | 0-255  | X2 motor fine adjustment       |
| 30      | 0-255  | Y2 motor                       |
| 31      | 0-255  | Y2 motor fine adjustment       |
| 32      | 0-255  | XY motor operating speed       |
| 33      | 0-255  | Color 2 motor                  |
| 34      | 0-255  | Pattern 2 motor                |
| 35      | 0-255  | Large White Light 2 Dimming    |
| 36      | 0-255  | Green laser                    |
| 37      | 0-255  | PAR light 2 red dimming        |
| 38      | 0-255  | PAR light 2 green dimming      |

|    |         |                                       |
|----|---------|---------------------------------------|
| 39 | 0-255   | PAR light 2 blue dimming              |
| 40 | 0-255   | PAR light 2 white dimming             |
| 41 | 0-255   | Circle control red 5 dimming          |
| 42 | 0-255   | Circle control green 5 dimming        |
| 43 | 0-255   | Circle control blue 5 dimming         |
|    | .....°  |                                       |
| 50 | 0-255   | Circle control red 8 dimming          |
| 51 | 0-255   | Circle control green 8 dimming        |
| 52 | 0-255   | Circle control blue 8 dimming         |
| 53 | 0-255   | Butterfly Motor 1                     |
| 54 | 0-255   | Butterfly 1 Red Dimming               |
| 55 | 0-255   | Butterfly 1 Green Dimming             |
| 56 | 0-255   | Butterfly 1 Blue Dimming              |
| 57 | 0-255   | Derby 1 White Dimming                 |
| 58 | 0-255   | Derby Motor 2                         |
| 59 | 0-255   | Derby 2 Red Dimming                   |
| 60 | 0-255   | Derby 2 Green Dimming                 |
| 61 | 0-255   | Derby 2 Blue Dimming                  |
| 62 | 0-255   | Derby 2 White Dimming                 |
| 63 | 0-255   | Strobe Beads                          |
| 64 | 0-5     | No effect                             |
|    | 6-64    | Auto effect 1                         |
|    | 65-128  | Auto effect 2                         |
|    | 129-192 | Voice control effect 1                |
|    | 193-255 | Voice control effect 2                |
| 65 | 0-255   | Macro speed/voice control sensitivity |
| 66 | reset   | 250-255 (5seconds)                    |

### 36 Channel Mode

| Channel | Value | Description              |
|---------|-------|--------------------------|
| 1       | 0-255 | LED overall dimming      |
| 2       | 0-255 | Flash speed adjustment   |
| 3       | 0-255 | X1 motor                 |
| 4       | 0-255 | Y1 motor                 |
| 5       | 0-255 | XY motor operating speed |
| 6       | 0-255 | Color 1 motor            |

|           |                |                                       |
|-----------|----------------|---------------------------------------|
| <b>7</b>  | <b>0-255</b>   | Pattern 1 Motor                       |
| <b>8</b>  | <b>0-255</b>   | Daylight 1 Dimming                    |
| <b>9</b>  | <b>0-255</b>   | Red laser                             |
| <b>10</b> | <b>0-255</b>   | Circle Control 1 Red Dimming          |
| <b>11</b> | <b>0-255</b>   | Circle Control 1 Green Dimming        |
| <b>12</b> | <b>0-255</b>   | Circle Control 1 Blue Dimming         |
| <b>13</b> | <b>0-255</b>   | X2 motor                              |
| <b>14</b> | <b>0-255</b>   | Y2 motor                              |
| <b>15</b> | <b>0-255</b>   | XY motor operating speed              |
| <b>16</b> | <b>0-255</b>   | Color 2 motor                         |
| <b>17</b> | <b>0-255</b>   | Pattern 2 motor                       |
| <b>18</b> | <b>0-255</b>   | Large White Light 2 Dimming           |
| <b>19</b> | <b>0-255</b>   | Green laser                           |
| <b>20</b> | <b>0-255</b>   | Circle Control 2 Red Dimming          |
| <b>21</b> | <b>0-255</b>   | Circle Control 2 Green Dimming        |
| <b>22</b> | <b>0-255</b>   | Circle Control 2 Blue Dimming         |
| <b>23</b> | <b>0-255</b>   | PAR light red dimming                 |
| <b>24</b> | <b>0-255</b>   | PAR light green dimming               |
| <b>25</b> | <b>0-255</b>   | PAR light blue dimming                |
| <b>26</b> | <b>0-255</b>   | PAR light white dimming               |
| <b>27</b> | <b>0-255</b>   | Derby Motor 1                         |
| <b>28</b> | <b>0-255</b>   | Derby Motor 2                         |
| <b>29</b> | <b>0-255</b>   | Derby Red Dimming                     |
| <b>30</b> | <b>0-255</b>   | Derby Green Dimming                   |
| <b>31</b> | <b>0-255</b>   | Derby Blue Dimming                    |
| <b>32</b> | <b>0-255</b>   | Derby White Dimming                   |
| <b>33</b> | <b>0-255</b>   | Strobe Beads                          |
| <b>34</b> | <b>0-5</b>     | No effect                             |
|           | <b>6-64</b>    | Auto effect 1                         |
|           | <b>65-128</b>  | Auto effect 2                         |
|           | <b>129-192</b> | Voice control effect 1                |
|           | <b>193-255</b> | Voice control effect 2                |
| <b>35</b> | <b>0-255</b>   | Macro speed/voice control sensitivity |
| <b>36</b> | <b>reset</b>   | 250-255 (5 seconds)                   |

## 18 Channel Mode

| Channel | Value   | Description                           |
|---------|---------|---------------------------------------|
| 1       | 0-255   | X motor                               |
| 2       | 0-255   | Y motor                               |
| 3       | 0-255   | Motor operating speed                 |
| 4       | 0-255   | LED overall dimming                   |
| 5       | 0-255   | Flash speed adjustment                |
| 6       | 0-255   | Color motor                           |
| 7       | 0-255   | Pattern motor                         |
| 8       | 0-255   | Large white light dimming             |
| 9       | 0-20    | Red laser on/off                      |
|         | 21-255  | Red laser strobe                      |
| 10      | 0-20    | Green laser on/off                    |
|         | 21-255  | Green laser strobe                    |
| 11      | 0-255   | Strobe Beads                          |
| 12      | 0-255   | Circle control color selection        |
| 13      | 0-255   | PAR light color selection             |
| 14      | 0-255   | Derby light motor                     |
| 15      | 0-255   | Derby Lamp Color Selection            |
| 16      | 0-5     | No effect                             |
|         | 6-64    | Auto effect 1                         |
|         | 65-128  | Auto effect 2                         |
|         | 129-192 | Voice control effect 1                |
|         | 193-255 | Voice control effect 2                |
| 17      | 0-255   | Macro speed/voice control sensitivity |
| 18      | reset   | 250-255 (5 seconds)                   |

## **6. Technical Specifications**

- **Input Voltage:** AC100 ~ 240V 50/60Hz w/ Power-con link in/out
- **Max Power Draw:** 300W
- **Light Source:**
  - Mini Movers:** 1\*30W White LED each, 7 gobos +open, 7 colors + white (2)
  - Pars:** 6\*5W 4in1 RGBW LEDs each (2)
  - Strobe:** 2x10W White LEDs
  - Derby:** 10W 4in1 RGBW LEDs each (2)
  - Laser:** 2x Red/Green 130 mA laser diodes
- **Control Modes:** DMX512, Auto, Sound Active, Master-Slave Mode, Remote Control
- **DMX Channel Modes:** 18, 36 & 66 channel modes
- **Working Temperature:** -30°C ~ 50°C
- **DMX Connection:** DMX512 3-pin XLR in/out
- **Product Size (LxWxH):** 37.75" x 6" x 7"
- **Net Weight:** 8.5 lbs
- **Stand included**

## **7. Warranty**

This product carries a 1-year manufacturer's warranty which covers factory defects or internal issues not caused by the owner/operator of the fixture. Misuse, physical damage, water damage, or any other issues caused by misuse by the customer are not covered under manufacturer's warranty. All warranty claims must be handled directly through the manufacturer and not the dealer. Original sales receipt required for all warranty claims. Submit all claims to [Info@Acuelighting.com](mailto:Info@Acuelighting.com).

For more information about this product as well as all our other products please visit:

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