Section 1 - **Profile+ Components**

- **Lights**
- **Remote**
- **AC Adaptor**
- **LED Controller**

**Profile + LED Light Kit**

**INSTRUCTIONS**
**INSTALLATION & OPERATION**
Section 1 - Attaching Controller

**Please Note:** This should be done first, before affixing lights to screen frame.

1. On the back side of the frame, locate preferred corner (ideally, closest to power source) (Fig. 1) and mount controller onto frame. Suggested method: a strong piece of hook-and-loop.

**Please Note:** Ensure that eye extends out from behind frame, as this is the receiver for the IR remote.

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Section 2 - Attaching Lights

1. Lights ship rolled onto a plastic reel, with a strong adhesive backing.

2. Beginning at corner where controller is located, adhere lights to back of frame, on edge indicated in Fig. 3.

**Please Note:** Utilizing this particular edge for mounting lights ensures the best lighting angle, while still hiding the light strip from audience view.

3. When corner is reached, crimp the light strip to form a right angle and proceed to adhere lights on next perpendicular section.

4. When the end of that section is reached, use sharp snips to cut light strip on cut line, located every 4" on light strip. (Fig. 2).

5. Return to the controller and repeat process. In total, there should be two lengths of light strip, both originating at the controller. Both will also follow one corner each.

**Please Note:** Take care to mount strips in a straight line, and each side should be a uniform distance from the edge.

6. When strips are adhered firmly to back of frame, wire them into the controller as shown in **Section 6 - Wiring Diagrams**, Page 4.

7. Connect controller to AC adaptor (supplied).
Section 3 - **IR Controller**

**Please Note:** 44Key IR LED Controller (Aluminium-IR44B)

IR Controller adopts the advanced micro control unit. It has many advantages such as convenient connection and simplicity of use. User can customize lighting patterns and colors.

### Technical parameters

- **Supply voltage:** DC5V, 12V, 18V, 24V (optional) (for orders specify voltage)
- **Output:** 3 channels
- **External dimension:** L 130mm x 64mm w x 24mm H
- **Net weight:** 166 g
- **Static Power Consumption:** <1 W.
- **Output Power:** 5V: <60W, 12V: <144W, 24V: <288W
- **Connecting Mode:** Common anode
- **Packing size:** L140 x w 70 x h 52 mm
- **Gross Weight:** 192g
- **Output current:** <4 A (each channel)
- **Working temperature:** -20 to 60°C

### Figure 4

![IR Controller Image]

Section 4 - **Control Operation**

1. Connect the LED wire first, then the power wire.
   **Please Note:** Ensure that short circuit cannot occur between connecting wires before turning on power.

2. Adopt IR control. Every key-press function is as follows:

<table>
<thead>
<tr>
<th>Brightness rise (total of 8 grading)</th>
<th>Brightness Fall (total of 8 grading)</th>
<th>OFF</th>
<th>ON</th>
</tr>
</thead>
<tbody>
<tr>
<td>Static red</td>
<td>Static Green</td>
<td>Static Blue</td>
<td>Static White</td>
</tr>
<tr>
<td>Static Orange</td>
<td>Static Light Green</td>
<td>Static Dark Blue</td>
<td>Static Milk White</td>
</tr>
<tr>
<td>Static Dark Yellow</td>
<td>Static Cyan</td>
<td>Static Lyons Blue</td>
<td>Static White Pink</td>
</tr>
<tr>
<td>Static Yellow</td>
<td>Static Sky Blue</td>
<td>Static Purple</td>
<td>Static Green White</td>
</tr>
<tr>
<td>Static Light Yellow</td>
<td>Static Light Blue</td>
<td>Static Brown</td>
<td>Static Blue White</td>
</tr>
<tr>
<td>Increase Red</td>
<td>Increase Green</td>
<td>Increase Blue</td>
<td>Speed Up</td>
</tr>
<tr>
<td>Decrease Red</td>
<td>Decrease Green</td>
<td>Decrease Blue</td>
<td>Speed Down</td>
</tr>
<tr>
<td>DIY key1</td>
<td>DIY key2</td>
<td>DIY Key3</td>
<td>Automatic Change</td>
</tr>
<tr>
<td>DIY key4</td>
<td>DIY key5</td>
<td>DIY Key6</td>
<td>Flash On &amp; Off</td>
</tr>
<tr>
<td>3 color jumpy change</td>
<td>7 color jumpy change</td>
<td>3 color fade change</td>
<td>7 color fade change</td>
</tr>
</tbody>
</table>
**Section 5 - External Dimensions**

- **2.5” (64mm)**
- **2.5” (64mm)**
- **2.5” (64mm)**
- **5.1” (130mm)**
- **1.18” (30mm)**
- **.31” (8mm)**
- **.16” (4mm)**
- **.12” (3mm)**
- **.12” (3mm)**

**Section 6 - Wiring Diagrams**

- **Power Adaptor**
  - Input power is 100 volts AC/240 volts AC

- **AC POWER**
  - 12V

- **SrIGNAL LIGHT**
- **POWER LIGHT**
- **LED Wires**
- **IR Controller**

- **B, G, R, V+**