FIREFRACKER

Order code: STR012

user manual
WARNING
FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

CAUTION!
Keep this equipment away from rain, moisture and liquids.

SAFETY INSTRUCTIONS
Every person involved with the installation, operation & maintenance of this equipment should:
- Be competent
- Follow the instructions of this manual

CAUTION! TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!

Before your initial start-up, please make sure that there is no damage caused during transportation. Should there be any, consult your dealer and do not use the equipment.

To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.

Please note that damages caused by user modifications to this equipment are not subject to warranty.
IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power-cable come into contact with other cables. Handle the power-cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the equipment.
- Do not open the equipment and do not modify the equipment.
- Do not connect this equipment to a dimmer-pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system’s life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available voltage is between 220v/240v.
- Make sure that the power-cable is never crimped or damaged. Check the equipment and the power-cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately. Have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- WARRANTY; One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void.

Incorrect operation may lead to danger e.g.: short-circuit, burns, electric shocks, lamp failure etc.

Do not endanger your own safety and the safety of others!

Incorrect installation or use can cause serious damage to people and property.

HALOGEN LAMP WARNING!

This fixture is fitted with halogen lamps which are highly susceptible to damage if improperly handled. Never touch the lamp with your bare fingers as the oil form your hands will shorten the lamp life, Also never move the fixture until the lamps have had ample time to cool. Remember, lamps are not covered under warranty conditions.
You should find inside the Equinox carton the following items:

1, Equinox Firecracker strobe  
2, Instruction manual

Technical Specifications:

DMX channels: 2  
Voltage: AC 240V - 50Hz  
Fuse: 15 Amp  
Power Consumption: 1500W  
Dimensions: 378 x 100 x 165mm  
Weight: 2.1Kgs

Operations:

There are 3 operating modes to choose from:

1, Manual  
2, Sound Active  
3, DMX

Manual Mode

To run the Firecracker Strobe in Manual mode, set all dip switches to the “OFF” position. In manual mode the unit will function as a normal strobe light, Rate (speed) and intensity (brightness) are set directly on the unit. Note that these settings are made by using the controls on the rear of the unit. Once the settings are made they can only be changed by physically adjusting the controls on the unit. Be aware of this if you plan on installing your strobe in a permanent installation.

Flash speed is controlled via the SPEED control  
Flash dimming is controlled via the DIMMER control

Sound Active Mode

To run the Firecracker Strobe in Sound active mode, set dip switch 9 to the “ON” position. The Dimming will still be controlled by the DIMMER control on the back of the unit. Note that these settings are made using the controls on the rear of the unit. Once the settings are made they can only be changed by physically adjusting the controls on the unit. Be aware of this if you plan on installing your strobe in a permanent installation.

Flash Dimming is controlled via the DIMMER control  
Flash Speed is controlled by the Music

DMX Mode

To run the Firecracker Strobe into DMX mode, set dip switch 10 to the “ON” position. You can now set the required DMX address using dip switches 1 to 9. The start address for this fixture is 1. Please refer to the chart below for DMX functions.

DMX Chart

<table>
<thead>
<tr>
<th>Channel</th>
<th>Value</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0-255</td>
<td>Flash speed</td>
</tr>
<tr>
<td>2</td>
<td>0-255</td>
<td>Flash dimmer</td>
</tr>
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</table>
Equinox Firecracker

Overview

Main features

- Bright 1500 Watt Lamp
- Thermostat protection
- Adjustable flash and intensity rate
- Large coverage area
- Flash rate range of 1 - 15 Fps
- Easy lamp replacement
- Adjustable hanging yoke

Overheat protection

1. The internal micro processor will automatically limit the flash dimmer level when the lamp flashes for a long period of time. The lamp can flash continuously for about 5 minutes with the highest flash speed and dimmer level. After that, the flash dimmer will gradually decrease to the level of 50%.

2. When the inside thermostat’s temperature exceeds 100˚C the lamp will automatically switch off. *Note: If the user does not want this thermostat function enabled, keep the fixtures angle (to the vertical surface) more than 45˚.

Identification:

1. DMX input
2. DMX output
3. Dip switches
4. Power input
5. Flash dimmer control
6. Speed control
7. Fuse

A = Lighting angle
DMX-512:
• DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions form 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).

DATA Cable (DMX cable) requirements (for DMX operation):
• The Equinox Firecracker can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit and your DMX controller require a standard 3-pin XLR connector for data input/output (figure 1).

Figure 1

Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight dealers. Please quote:
- CABL10 – 2M
- CABL11 – 5M
- CABL12 – 10M

Also remember that DMX cable must be daisy chained and cannot be split.
Notice:
• Be sure to follow figures 2 & 3 when making your own cables. 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 behaviour.

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 behaviour.

Using a cable terminator (part number CABL90) will decrease the possibilities of erratic behaviour.

5-Pin XLR DMX Connectors:
• Some manufacturers 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 into a 3-pin line a cable adaptor must be used. The Chart below details the correct cable conversion.
# Dip Switch Reference Chart

## DMX Dip Switch Quick Reference Chart

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<th>Dip Switch Position</th>
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<th>#8</th>
<th>#7</th>
<th>#6</th>
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## Dip Switch Position vs. DMX Address

- **Dip Switch Position**
- **DMX Address**