

## Eurolite 41602140

# Eurolite THA-250F LED Theater Spot

Model: 41602140 User Manual

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Eurolite THA-250F LED Theater Spot. Please read this manual thoroughly before initial operation to ensure proper use and to prevent damage to the device or injury to yourself. Keep this manual for future reference.

The Eurolite THA-250F is a powerful 250W COB LED lighting fixture designed for indoor use, offering versatile dimming and focusing capabilities suitable for various theatrical and event lighting applications.

## 2. SAFETY INSTRUCTIONS

**WARNING: Failure to follow these safety instructions may result in fire, electric shock, or other injury or damage.**

- This device is designed for **indoor use only**. Do not expose it to rain or moisture.
- Ensure the power supply voltage matches the rating on the device.
- Always connect the device to a grounded power outlet.
- Do not open the housing. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Avoid direct eye exposure to the light source. The LED light is very bright.
- Ensure adequate ventilation around the unit. Do not block ventilation openings.
- Mount the device securely using appropriate clamps and safety cables.
- Disconnect from mains power before cleaning or servicing.
- Keep flammable materials away from the device.

## 3. PRODUCT OVERVIEW

Familiarize yourself with the components of your Eurolite THA-250F LED Theater Spot.



Figure 3.1: Front-side view of the Eurolite THA-250F LED Theater Spot, showing the lens and mounting bracket.



Figure 3.2: Side view of the unit, displaying the 'Eurolite LED THA-250F COB' branding.



Figure 3.3: Rear panel showing DMX IN/OUT, Power IN/OUT, and Fuse connections.



Figure 3.4: The included barndoors accessory, used to shape the light beam.

## 4. SETUP

### 4.1 Mounting

The THA-250F is equipped with a robust mounting bracket for secure installation. Ensure the mounting surface or truss system can support the weight of the fixture (approximately 9.35 kg) and any additional accessories. Use appropriate clamps and always attach a safety cable to prevent accidental drops.

### 4.2 Power Connection

Connect the supplied power cable to the **POWER IN** socket on the rear panel (refer to Figure 3.3). Plug the other end into a suitable grounded power outlet. The unit supports power linking via the **POWER OUT** socket for convenience, allowing multiple units to be powered from a single source (ensure total current draw does not exceed circuit limits).

### 4.3 DMX Connection

For DMX control, connect a DMX cable from your DMX controller's output to the **DMX IN** socket on the THA-250F (refer to Figure 3.3). To daisy-chain multiple units, connect a DMX cable from the **DMX OUT** socket of the first unit to the **DMX IN** socket of the next unit. Always terminate the last unit in a DMX chain with a 120 Ohm DMX terminator.

## 5. OPERATING INSTRUCTIONS

### 5.1 Control Panel

The control panel, located on the side of the unit, allows for configuration and manual control. It features a display screen, four buttons, and two rotary knobs.



Figure 5.1: Detailed view of the control panel, showing MODE, ENTER, UP, DOWN buttons, and DIMMING, FOCUS knobs.

- **MODE:** Cycles through the main menu options.
- **ENTER:** Confirms selections or enters sub-menus.
- **UP/DOWN:** Navigates through menu options or adjusts parameter values.
- **DIMMING Knob:** Manually adjusts the light intensity.
- **FOCUS Knob:** Manually adjusts the beam focus.





Figure 5.2: The display screen indicating the current DMX address (ADDR:032) and channel mode (CH:03).

## 5.2 Operating Modes

The THA-250F can operate in several modes:

- **DMX Mode:** Allows external control via a DMX controller. Set the DMX address and channel mode using the control panel.
- **Manual Mode:** Control dimming and focus directly using the knobs on the control panel.
- *Other modes (e.g., Standalone, Master/Slave) may be available. Refer to the on-screen menu for detailed options.*

## 5.3 Basic Operation

After powering on the unit, the display will show the current operating mode or DMX address. Use the MODE and ENTER buttons to navigate the menu. Use UP/DOWN to change values. The DIMMING and FOCUS knobs provide immediate manual control over light output and beam sharpness.



Figure 5.3: Two Eurolite THA-250F units in an operational setting, demonstrating their light output capabilities.

## 6. MAINTENANCE

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### 6.1 Cleaning

Regular cleaning helps maintain optimal performance and extends the lifespan of your device. Disconnect the unit from power before cleaning.

- Use a soft, lint-free cloth to wipe the exterior of the unit.
- For the lens, use a specialized lens cleaning solution and a microfiber cloth to avoid scratches.
- Periodically clean the ventilation openings to ensure proper airflow and prevent overheating. Use compressed air to remove dust.

### 6.2 Storage

When not in use, store the device in a dry, dust-free environment, away from extreme temperatures and humidity. If transporting, use appropriate protective cases.

## 7. TROUBLESHOOTING

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If you encounter issues with your Eurolite THA-250F, refer to the following common problems and solutions:



Problem	Possible Cause	Solution
No power / Unit does not turn on	No power from outlet; Loose power cable; Blown fuse	Check power outlet; Ensure cable is securely connected; Check and replace fuse if necessary (refer to Figure 3.3 for fuse location).
No light output	Dimming set to 0%; DMX signal issue; Unit in incorrect mode	Increase dimming level; Check DMX cable and controller; Verify operating mode settings.
Unit not responding to DMX	Incorrect DMX address; Faulty DMX cable; No DMX signal; Missing terminator	Verify DMX address matches controller; Test DMX cable; Ensure DMX signal is present; Add DMX terminator to the last unit.
Overheating	Blocked ventilation; Insufficient airflow	Ensure ventilation openings are clear; Provide adequate space around the unit for airflow.

If the problem persists after attempting these solutions, please contact Eurolite customer support or a qualified technician.

## 8. SPECIFICATIONS

Feature	Detail
Brand	Eurolite
Model Number	41602140
Light Source	LED (COB)
Power Consumption	265 Watts
Input Voltage	Con Filo Elettrico (Wired Electric)
Color	Multicolore (as per specification, refers to light output capability)
Weight	9.35 Kilograms (9350 Grams)
Dimensions	<i>(Information not available in provided data)</i>
Connectivity	DMX IN/OUT, Power IN/OUT
Environment	Indoor use only

## 9. WARRANTY AND SUPPORT

This product is manufactured to high-quality standards. For information regarding warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support, spare parts, or service inquiries, please contact Eurolite customer service directly or visit their official website.  
Manufacturer: Eurolite



[Eurolite LED IP PIX Strobe RGB CW+WW Outdoor Spotlight](#)

Detailed specifications and features of the Eurolite LED IP PIX Strobe RGB CW+WW, an outdoor spotlight for strobe, ambient, and animation effects. Includes technical data, logistic information, and intended use.



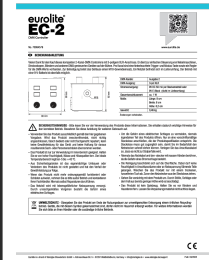
[Eurolite LED KLS Laser Bar FX Lichtset Bedienungsanleitung](#)

Die Eurolite LED KLS Laser Bar FX Lichtset ist eine vielseitige Lichteffektleiste mit RG-Laser, Derbys, Spots und Strobe-LEDs. Dieses Handbuch bietet Anleitungen zur Installation, Bedienung und Wartung für professionelle Veranstaltungen und mobile Einsätze.



[Eurolite LED PFE-60 WW/CW Profile Spot User Manual and Technical Details](#)

Comprehensive user manual and technical specifications for the Eurolite LED PFE-60 WW/CW Profile Spot, covering installation, operation, safety, DMX control, and product features for professional stage and event lighting.



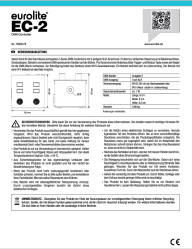
[Eurolite EC-2 2-Channel DMX Controller User Manual](#)

Comprehensive user manual for the Eurolite EC-2, a compact 2-channel DMX controller designed for easy operation of stage lighting equipment like fog machines, strobes, and blinders. Features include intuitive controls, DMX output, and versatile power options. Provides detailed safety, operation, and connection instructions.



[Eurolite PAR-16 Spot MR-16 Spotlight Housing User Manual and Technical Specifications](#)

Comprehensive user manual for the Eurolite PAR-16 Spot MR-16 spotlight housing. Includes detailed product features, safety instructions, installation guides, cleaning and maintenance procedures, environmental protection guidelines, and technical specifications. Suitable for professional event technology applications.

	<p><a href="#">Eurolite EC-2 DMX Controller User Manual   Stage Lighting Control</a></p> <p>Comprehensive user manual for the Eurolite EC-2 compact 2-channel DMX controller. Learn about setup, operation, safety, and specifications for stage lighting effects.</p>
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