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› KEATRONIC 130W BEAM Moving Head Robotic Light Instruction Manual

## KEATRONIC LGT130 BEAM

# KEATRONIC 130W BEAM Moving Head Robotic Light

Model: LGT130 BEAM

## INTRODUCTION

Thank you for choosing the KEATRONIC 130W BEAM Moving Head Robotic Light. This professional stage light is designed to deliver dynamic visual effects with its powerful 130-watt LED light source, 18-prism effect, 8 vibrant colors, and 10 distinct patterns. It offers versatile control options including DMX512, automatic, master-slave, and voice control modes, making it suitable for various event and stage setups. This manual provides essential information for safe installation, operation, and maintenance of your device.

## SAFETY INFORMATION

Please read all safety instructions carefully before operating the device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the power supply voltage matches the device's requirements (110 Volts). Always connect to a grounded outlet. Disconnect power before cleaning or servicing.
- **Temperature Warning:** The device generates heat during operation. Do not place flammable materials near the light. Maintain adequate ventilation around the unit. The warning label on the device indicates a maximum external surface temperature of 120°C.
- **Installation:** Ensure the light is securely mounted using appropriate hardware. Avoid direct exposure to rain or moisture.
- **Eye Protection:** Do not look directly into the light source when the device is operating, as it can cause eye damage.



Image: Front view of the KEATRONIC 130W BEAM Moving Head Light, showing the main lens and the control panel with a visible warning label regarding flammable materials and temperature.

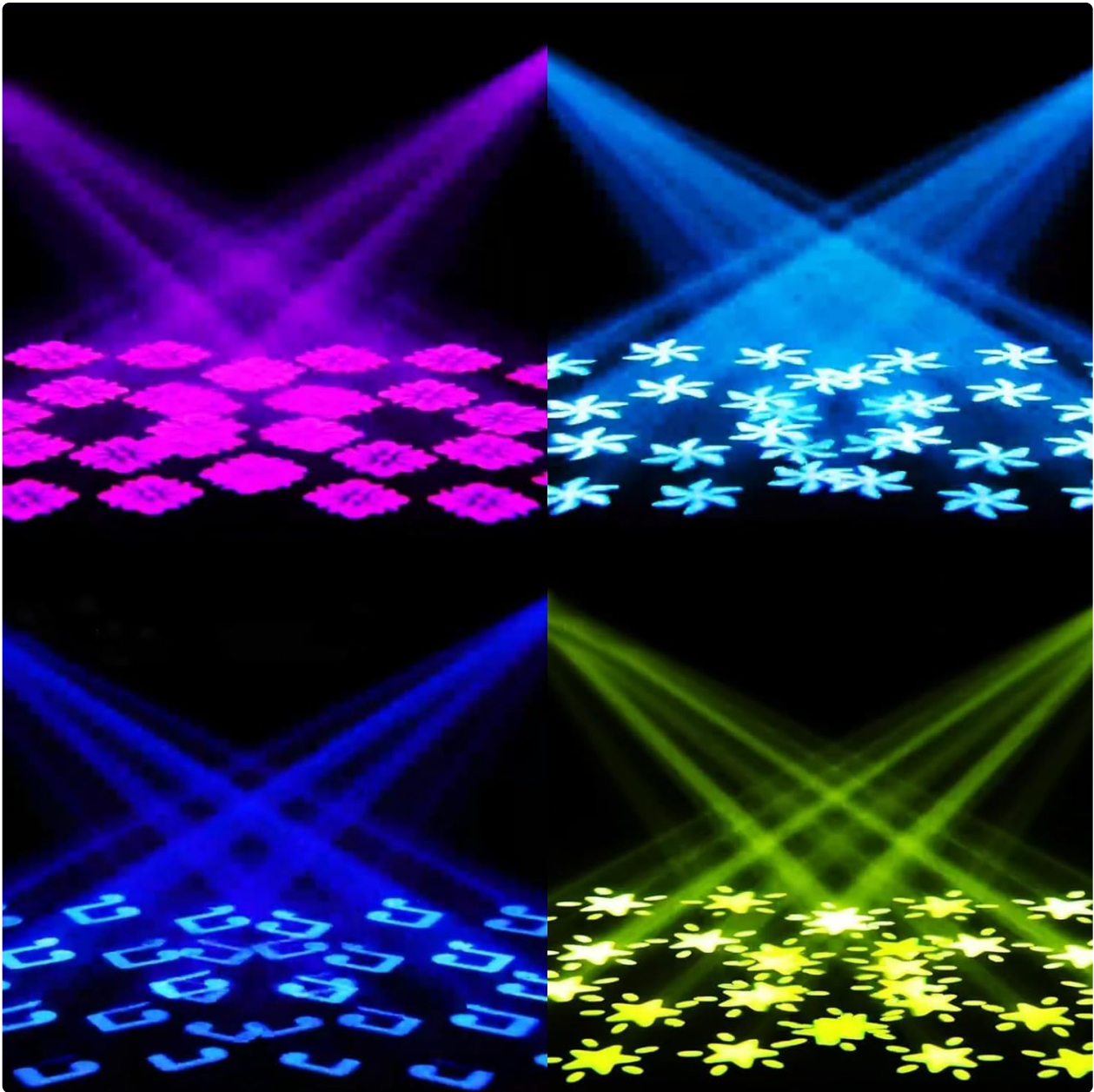
## PRODUCT OVERVIEW

Familiarize yourself with the components of your moving head light:

- **Optical Lens:** High-definition lens for clear and powerful light projection.
- **Control Panel:** Digital display and buttons for mode selection and settings.
- **Cooling Fan:** Integrated 10W fan for efficient heat dissipation, ensuring longevity of the LED.
- **DMX IN/OUT Ports:** For connecting to DMX controllers and other DMX-compatible lights.
- **Power Switch & Fuse:** Main power control and fuse for electrical protection.
- **Mounting Brackets:** For secure installation on trusses, walls, or for floor placement.



Image: Detailed diagram illustrating the dimensions (23cm x 15cm x 31cm) and key components of the light, including the MIC, Control Panel, UP, MENU, DOWN, and ENTER buttons.



*Image: Rear view of the light, highlighting the DMX IN, DMX OUT ports, FUSE, and POWER switch, along with the control panel.*

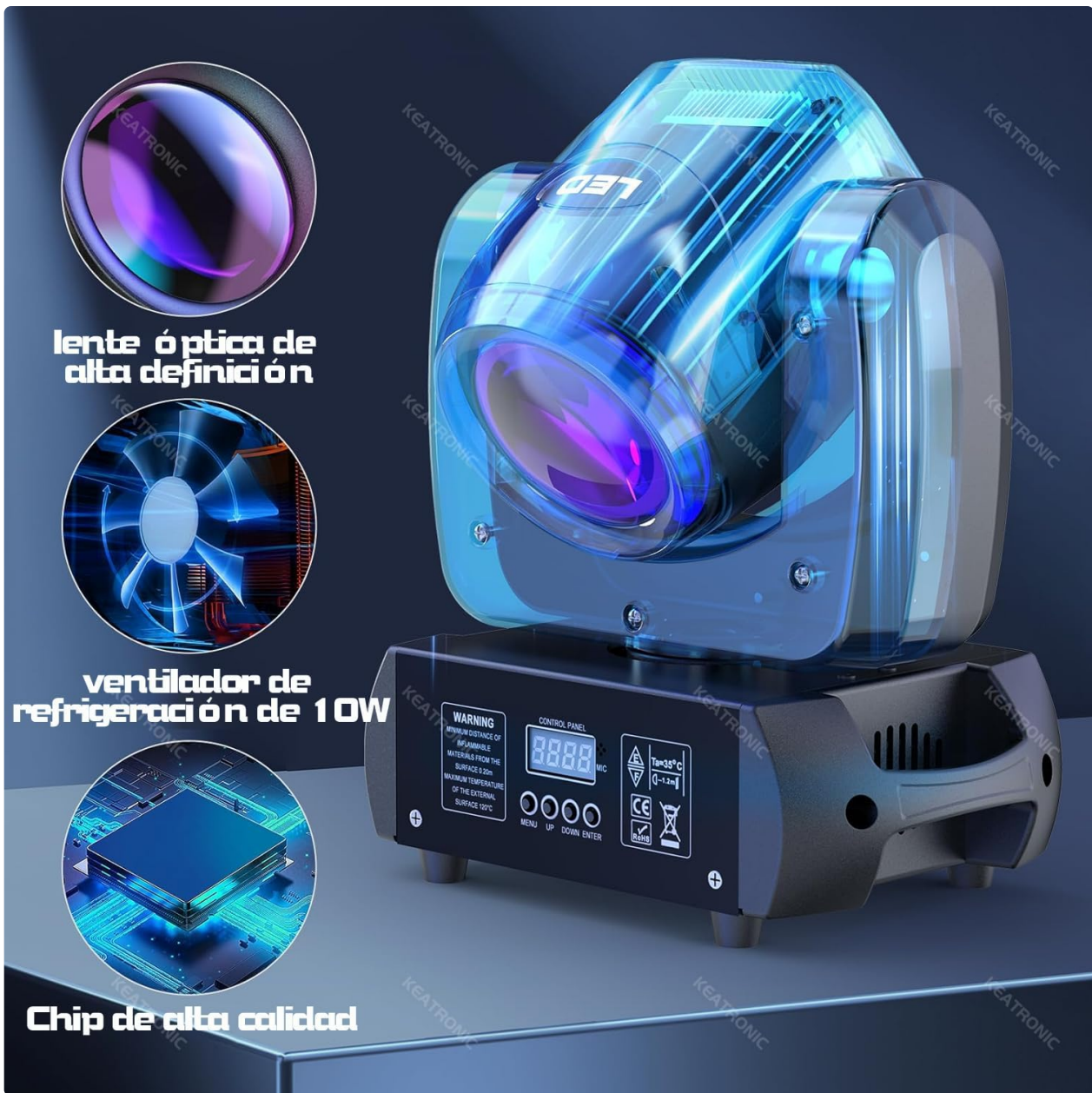


Image: An exploded view showing the internal components: the high-definition optical lens, the 10W cooling fan, and the high-quality chip, emphasizing the advanced design.

## SETUP

Follow these steps to set up your KEATRONIC moving head light:

1. **Unpacking:** Carefully remove the light from its packaging. Inspect for any damage during transit.
2. **Mounting:** The light can be installed on a truss, wall, or placed on the floor. Use the provided mounting brackets and two mounting screws on the bottom of the unit to secure it. Ensure the mounting surface or structure can support the weight of the light.
3. **Power Connection:** Connect the power cable to the light's power input and then to a standard 110V AC power outlet.
4. **DMX Connection (Optional):** If using DMX control, connect a DMX cable from your DMX controller's output to the light's DMX IN port. For multiple lights, daisy-chain them by connecting the DMX OUT of the first light to the DMX IN of the next.

## OPERATING INSTRUCTIONS

The KEATRONIC 130W BEAM Moving Head Light offers multiple control modes and effects:

### Control Modes:

- **Voice Control Mode:** The light reacts to sound and music, changing patterns and colors in sync with the audio.
- **Automatic Mode:** The light cycles through pre-programmed patterns and color changes automatically.
- **Master-Slave Mode:** Connect multiple lights via DMX cables. Set one light as the master, and others as slaves. The slave units will automatically mimic the master's movements and effects.
- **DMX512 Mode:** For professional control, connect the light to a DMX controller. The light supports 12 professional DMX channels, allowing precise control over pan, tilt, color, gobo, prism, strobe, and other functions. When connected to a DMX console, the light automatically switches to DMX mode.

### Effects and Features:

- **Colors:** The light features 8 distinct colors (RGBW).
- **Patterns (Gobos):** It includes 10 unique patterns that can be projected.
- **18-Prism Effect:** Create stunning multi-beam effects by activating the 18-prism.
- **Strobe:** Adjustable strobe speed for dynamic lighting effects.
- **Pan & Tilt:** The moving head offers 540° horizontal pan and 270° vertical tilt for wide area coverage.
- **Beam Angle:** The light projects a focused 2-degree beam.

# 8 colores + 10 patrones

Contiene modo de rotación de patrón único y modo de 18 prismas

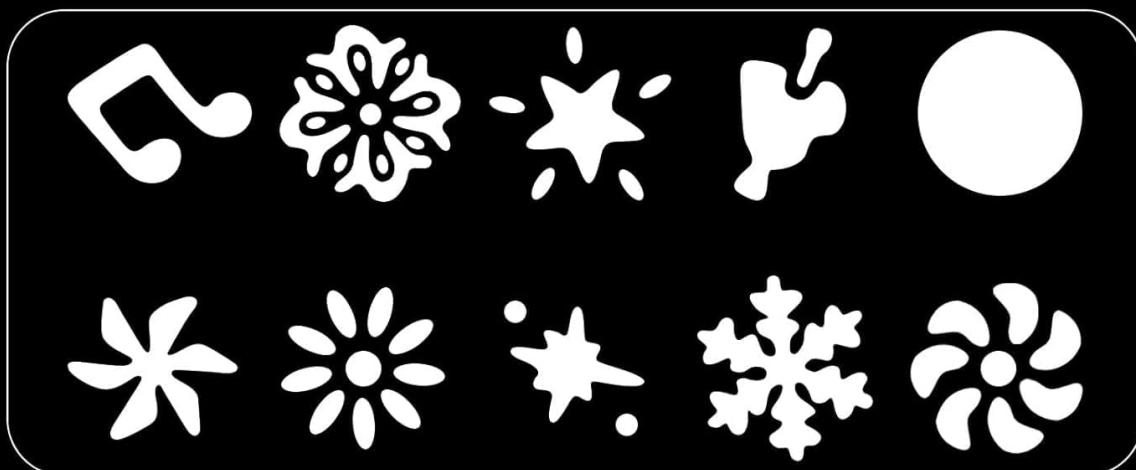
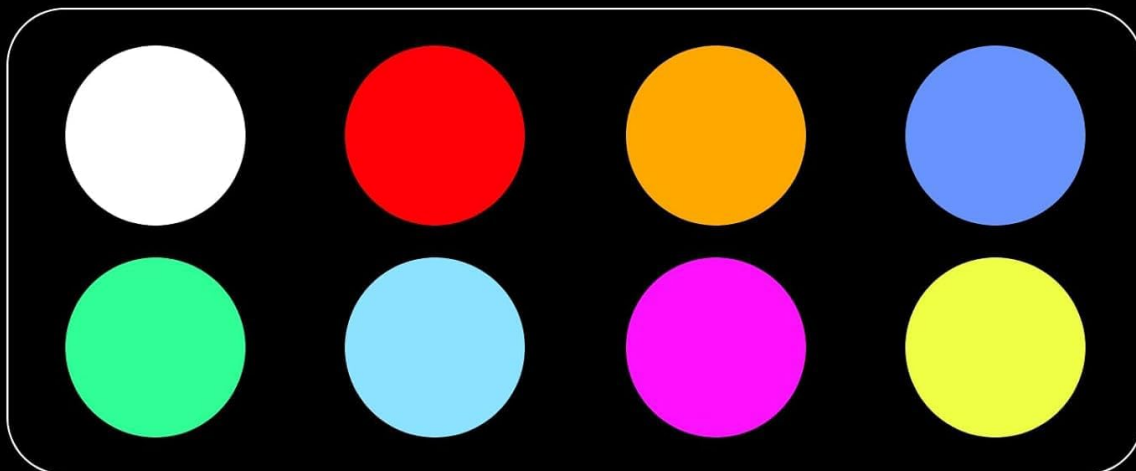
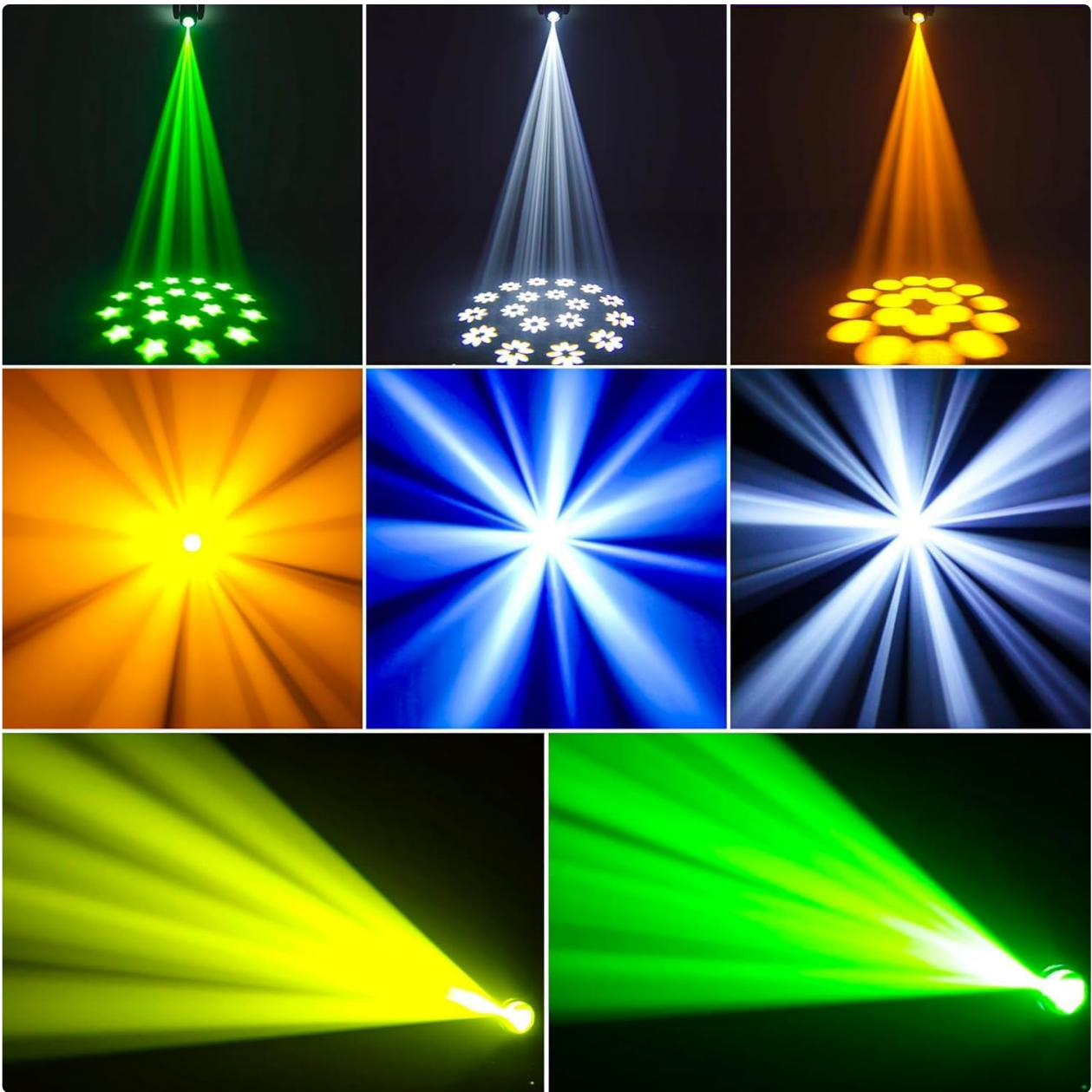


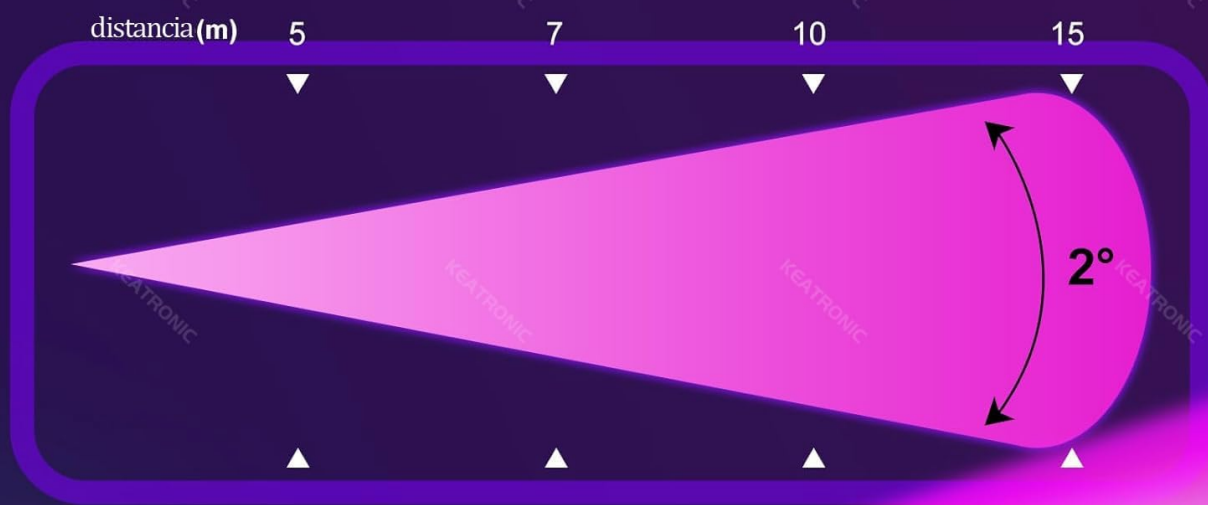
Image: A visual representation of the 8 available colors and 10 distinct patterns (gobos) that can be projected by the light.



*Image: A collage displaying various light patterns and beam effects, demonstrating the versatility of the KEATRONIC light's projections.*

# BEAM led 120W & ventilador 10W

Ángulo del BEAM: 2°



La vida útil del LED es de aproximadamente 100.000 horas

*Image: Four distinct examples of light patterns projected onto a surface, illustrating the variety of shapes and colors achievable.*



Image: A diagram showing the narrow 2-degree beam angle of the LED light and its effective projection distance, highlighting the focused light output.

### DMX Channel Table:

The following table details the DMX channels and their corresponding functions:

CH	Function	Description
1CH	X-axis	Pan movement
2CH	X-axis fine	Fine pan adjustment
3CH	Y-axis	Tilt movement
4CH	Y-axis fine	Fine tilt adjustment
5CH	XY axis speed	Speed of pan/tilt movement (fast to slow)
6CH	White light pattern	Dimming from dark to light
7CH	Strobe	0: No function; 1-255: Strobe speed (1Hz-25Hz)
8CH	Color Disc	0-15: White light; 16-31: Color 1; 32-47: Color 2; 48-63: Color 3; 64-79: Color 4; 80-95: Color 5; 96-111: Color 6; 112-127: Color 7; 128-255: Automatic color change (clockwise, fast to slow)
9CH	Pattern Disc	0-7: White light; 8-15: Pattern 1; 16-23: Pattern 2; 24-31: Pattern 3; 32-39: Pattern 4; 40-47: Pattern 5; 48-55: Pattern 6; 56-63: Pattern 7; 64-73: Pattern 7 shake (slow to fast); 74-82: Pattern 6 shake (slow to fast); 83-91: Pattern 5 shake (slow to fast); 92-100: Pattern 4 shake (slow to fast); 101-109: Pattern 3 shake (slow to fast); 110-118: Pattern 2 shake (slow to fast); 119-127: Pattern 1 shake (slow to fast); 128-255: Automatic pattern change (clockwise, fast to slow)
10CH	Prism	0-7: Close prism; 8-127: Open prism
11CH	Macro Function	0-49: Channel 1 to channel 10 valid sounds; 50-200: Auto; 201-255: Voice control
12CH	Reset	0-49: No function; 50-200: Reset light (effective for 5s)

## Instrucciones de operación



No.	Display	Descripción de las funciones
1	Addr	A001—a512 Código de dirección
2	Chnd	12CH Selección de canales
3	Slnd	Selección del modo de funcionamiento (control de voz autopropul DMX)
4	Pan	Sí, no motor x hacia adelante y hacia atrás
5	Tilt	Sí, no motor Y posición delantera Y trasera
6	Sene	Ajuste de la sensibilidad al control de la voz (0-100)
7	LED	Pantalla On, off siempre en ajuste
8	DISP	Pantalla On, off siempre en ajuste
9	TEMP	XXX Temperatura de visualización
10	Ver	V100 Número de versión del Software
11	Faet	Sí, NO restaurar la configuración de fábrica

No.	Función	Descripción
1CH	X-eje	
2CH	X-eje Ajuste fino	
3CH	Y-eje	
4CH	Y-eje Ajuste fino	
5CH	XY eje velocidad	Velocidad de rápido a lento
6CH	Patrón de luz blanca	Patrón de atenuación de la oscuridad a la luz
7CH	Estrobo	0: Sin función; 1 — 255: Velocidad estroboscópica sincrónica de lenta a rápida (1hz~25hz);
8CH	Disco de Color	0-15: Luz blanca; 16 - 31: color 1; 32-47: color2; 48 - 63: color3; 64 - 79: color4; 80 - 95: color5; 96 - 111: color 6; 112-127: color?; 128 - 255: Cambio automático de color en el sentido de las agujas del reloj de rápido a lento;
9CH	Disco del patrón	0-7: Luz blanca; 8-15: patrón 1; 16-23: patrón 2; 24-31: patrón 3; 32 - 39: patrón 4; 40 — 47: patrón 5; 48 - 55: patrón 6; 56 - 63: patrón 7; 64 - 73: patrón 7 Sacudir de lento a rápido; 74 - 82: patrón 6 Sacudir de lento a rápido; 83 - 91: patrón 5 Sacudir de lento a rápido; 92 - 100: patrón 4 Sacudir de lento a rápido; 101 - 109: patrón 3 Sacudir de lento a rápido; 110-118: patrón 2 Sacudir de lento a rápido; 119 - 127: patrón 1 Sacudir de lento a rápido; 128 - 255: Cambio automático de rápido a lento en el patrón horario;
10CH	El prisma	0-7: Cerrar el prisma; 8 - 127: El prisma abierto; 128 - 255: Rotación del prisma de lento a rápido;
11CH	Función Macro	0 - 49: Canal 1 al canal 10 son válidos; 50-200: Auto; 201 - 255: Control de la voz;
12CH	Restablecer	0 - 49: Sin función; 50 - 200: Reinicio del cuerpo de la lámpara, eficaz para 5S

Image: A comprehensive diagram showing the control panel layout and a table detailing the DMX channels, their functions, and descriptions for precise control.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your light:

- **Cleaning:** Regularly clean the optical lens and exterior casing with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Cooling System:** The built-in fan system automatically activates and deactivates based on the LED bead temperature, ensuring effective heat dissipation. Keep the fan vents clear of dust and obstructions.
- **Storage:** When not in use, store the light in a cool, dry place, away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

If you encounter issues with your KEATRONIC light, refer to the following common problems and solutions:

- **No Power:**

- Check if the power cable is securely connected to both the light and the power outlet.
- Ensure the power switch is in the 'ON' position.
- Check the fuse. If blown, replace it with a fuse of the same type and rating.
- **No Light Output:**
  - Verify the light is receiving power.
  - In DMX mode, ensure the DMX signal is present and the correct DMX address is set.
  - Check the selected mode (e.g., ensure it's not in a 'blackout' or 'no function' state).
- **No Movement/Incorrect Movement:**
  - In DMX mode, check the Pan and Tilt DMX channels for correct values.
  - Ensure the light is not obstructed.
  - Perform a reset (refer to DMX channel 12).
- **DMX Control Issues:**
  - Verify DMX cable connections and ensure they are not damaged.
  - Check the DMX address setting on the light.
  - Ensure the DMX controller is functioning correctly.

## SPECIFICATIONS

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Detailed technical specifications for the KEATRONIC 130W BEAM Moving Head Robotic Light:

Feature	Specification
Brand	KEATRONIC
Model Number	LGT130 BEAM
Light Source	120W LED Lamp Beads
Maximum Wattage	130 Watts
Voltage	110 Volts
Power Source	Corded Electric
Color	RGBW
Patterns (Gobos)	10
Prism Effect	18-Prism
Control Modes	Voice Control, Automatic, Master-Slave, DMX512 (12 Channels)
Pan Movement	540 degrees
Tilt Movement	270 degrees
Beam Angle	2 degrees
Material	Aluminum, Plastic
Finish Type	Polished
Assembled Dimensions (L x W x H)	23 x 15 x 31 cm (9.05 x 5.91 x 12.20 inches)
Included Components	Moving Head Light, Mounting Brackets
LED Lifespan	Approximately 100,000 hours
Compatibility	Freestyler, Sunlite Suite 2

## WARRANTY AND SUPPORT

Specific warranty information for the KEATRONIC 130W BEAM Moving Head Robotic Light is not provided in this manual. For details regarding warranty coverage, technical support, or service inquiries, please contact the manufacturer directly or refer to the product's purchase documentation.

The product is compatible with lighting control software such as Freestyler and Sunlite Suite 2, offering extended control capabilities for professional users.