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› CHINLY Starlight Headliner Kit Meteor (Model QJ-L016) - Installation and Operation Manual

CHINLY QJ-L016

CHINLY Starlight Headliner Kit Meteor (Model QJ-L016) - Installation and Operation Manual

Model: QJ-L016 | Brand: CHINLY

PRODUCT OVERVIEW

The CHINLY Starlight Headliner Kit Meteor is designed to create a dynamic starry sky effect in various environments, including car interiors, home theaters, and other decorative spaces. This kit combines a powerful RGBW light engine with numerous fiber optic cables and a dedicated meteor light engine to produce both static star patterns and shooting star effects.



Image: The CHINLY Starlight Headliner Kit Meteor installed in both a car interior and a home theater, showcasing the starry sky and meteor effects.

Package Contents

- 1 x 16W RGBW Light Engine (No-twinkle)
- 1 x Meteor Light Engine
- 550 x 0.03in/0.75mm diameter, 9.8ft/3m length End Glow Fiber Optic Cables
- 96 x Special Meteor Fiber Optic Cables
- 1 x RF Remote Controller
- 1 x Power Adapter (for home use)
- 1 x Car Cigarette Lighter Adapter (for car use)
- 1 x User Manual

Key Features

- **Dual Light Engines:** Includes a 16W RGBW light engine for static and dynamic star effects, and a separate meteor light engine for shooting star effects.
- **High-Quality Fiber Optics:** 550 pieces of 0.03-inch diameter, 9.8-foot long PMMA plastic fiber optic cables, offering safety, non-conductivity, waterproofing, flexibility, and excellent color rendering.
- **Wide Operating Temperature:** Designed to function reliably in temperatures ranging from -58°F to 167°F (-50°C to 75°C).

- **Control Options:** Manage lighting effects, colors, brightness, and meteor patterns via Bluetooth APP or the included RF remote controller.
- **Sound-Activated Mode:** The lighting system can synchronize with music or ambient sounds, creating dynamic visual effects.
- **Versatile Application:** Suitable for car headliners, home theaters, bedrooms, bathrooms, festivals, stores, malls, swimming pools, bars, and other creative lighting projects.

TECHNICAL SPECIFICATIONS

Feature	Detail
Model Number	QJ-L016
Light Source Type	LED
Light Engine Wattage	16 Watts (RGBW)
Voltage	12 Volts (DC)
Fiber Optic Cable Quantity	550 pcs (star lights) + 96 pcs (meteor cables)
Fiber Optic Cable Diameter	0.03 inches (0.75mm)
Fiber Optic Cable Length	9.8 feet (3 meters)
Operating Temperature	-58°F to 167°F (-50°C to 75°C)
Control Method	Bluetooth APP, RF Remote Control
Power Source	Corded Electric (Adapter/Cigarette Lighter)
Material	Aluminum (light engine), PMMA Plastic (fiber optics)
Product Dimensions (Light Engine)	3.9"L x 3.1"W x 1.4"H (approx.)
Item Weight	4.09 pounds (approx.)
Batteries Required (Remote)	1 CR2032 battery (included)

INSTALLATION GUIDE

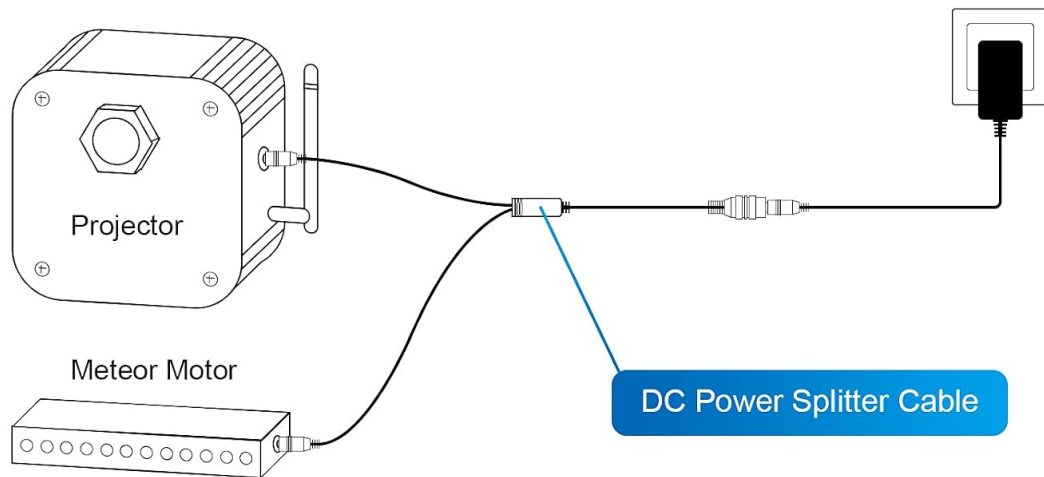
This section provides detailed instructions for installing your CHINLY Starlight Headliner Kit. Installation requires careful planning and execution. It is recommended to watch relevant video tutorials for visual guidance, especially for headliner removal and reinstallation.

Preparation

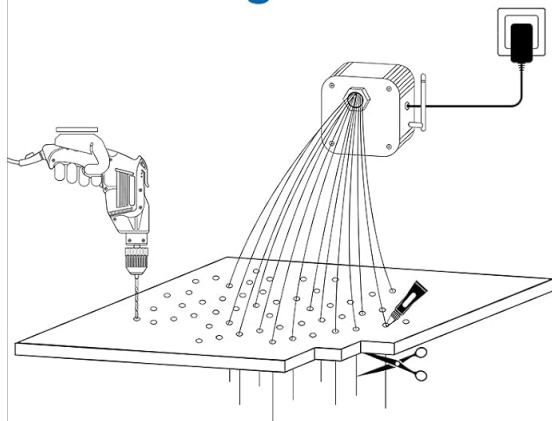
1. **Remove Headliner:** Carefully remove the headliner from your vehicle or prepare the ceiling panel for home installation. Refer to vehicle-specific guides if installing in a car.
2. **Clean Surface:** Ensure the installation surface is clean and free of dust or debris.
3. **Plan Layout:** Decide on the desired star pattern. Use a marker to lightly mark the positions where each fiber optic cable will be inserted. Consider varying the density of stars for a more realistic effect.
4. **Separate Fibers:** The fiber optic cables are typically bundled by size. Keep them separated to maintain the desired star size distribution.

Drilling and Inserting Fibers

Installation



For Ceiling



How to Install Meteor bundle

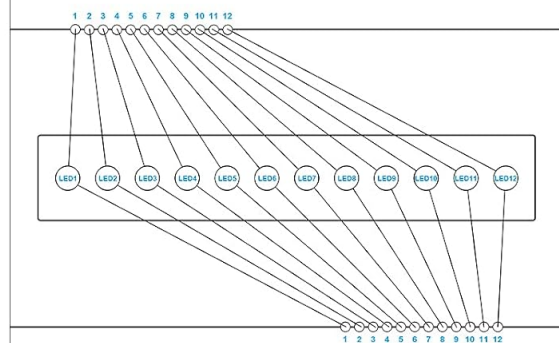


Image: Diagram illustrating the drilling process for fiber optic installation and the connection of the projector and meteor motor.

5. **Drill Holes:** Using a drill bit slightly larger than the fiber optic cable diameter (e.g., 0.03in/0.75mm), carefully drill holes at the marked positions. For meteor cables, ensure appropriate spacing for the desired effect.
6. **Insert Fiber Optic Cables:** Thread each fiber optic cable through its corresponding hole from the front (visible side) of the headliner/panel to the back.
7. **Secure Fibers:** Apply a small amount of adhesive (e.g., hot glue, E2000 adhesive) to the back of the headliner around each fiber to secure it in place. Ensure the glue does not block the light path. Allow sufficient drying time.
8. **Route Cables:** Once all fibers are secured, bundle them together and route them towards the designated location for the light engine. Ensure cables are not kinked or sharply bent.

Connecting Light Engines



Image: Dimensions of the 16W RGBW light engine and the meteor light engine. The 16W projector measures 10cm (3.9in) long, 8cm (3.1in) wide, and 3.5cm (1.4in) high. The meteor motor measures 16cm (6.3in) long, 3cm (1.2in) wide, and 2.1cm (0.8in) high. Both include built-in Bluetooth antennas.

9. **Connect Fiber Bundles:** Insert the bundled fiber optic cables into the light output port of the 16W RGBW light engine. Secure them with the provided connector.
10. **Connect Meteor Cables:** Insert the individual meteor fiber optic cables into the ports on the meteor light engine.
11. **Power Connection:** Connect the 16W RGBW light engine to the meteor light engine using the DC power splitter cable. Then, connect the main power adapter (for home use) or the cigarette lighter adapter (for car use) to the 16W RGBW light engine.
12. **Position Light Engines:** Place the light engines in a discreet, well-ventilated location. The 16W RGBW light engine is compact enough to be hidden in areas like a car's C-pillar or behind a ceiling panel. Ensure they are not waterproof.

Finishing Touches

13. **Test Lights:** Before re-installing the headliner, power on the system to ensure all lights are functioning correctly and to identify any light leakage.
14. **Trim Fibers:** Once the headliner is re-installed, carefully trim the fiber optic cables flush with the surface using sharp scissors or a craft knife.

OPERATING INSTRUCTIONS

Your CHINLY Starlight Headliner Kit can be controlled via the included RF remote or a dedicated Bluetooth smartphone application.

RF Remote Control



Image: The RF remote control features buttons for power, color selection (R, G, B, W, and preset colors), brightness adjustment, mode selection (jump, fade, breath, flash), and meteor control (on/off, speed). The smartphone app offers a color wheel, brightness slider, and various mode settings.

The RF remote allows for direct control of the light effects. Ensure the remote has a working CR2032 battery (included).

- **Power On/Off:** Press the **ON** or **OFF** buttons.
- **Color Selection:** Choose from Red, Green, Blue, White, or various preset mixed colors.
- **Brightness Adjustment:** Use the brightness up/down buttons to increase or decrease light intensity.
- **Mode Selection:** Select dynamic modes such as **JUMP3** (3-color jump), **JUMP7** (7-color jump), **FADE3** (3-color fade), **FADE7** (7-color fade), **BREATH**, and **FLASH**.
- **Meteor Control:** Activate or deactivate the meteor effect using **METEOR ON** / **METEOR OFF**. Adjust meteor speed with dedicated buttons.
- **Music Mode:** Press **MUSIC ON** to activate sound-activated mode. The lights will react to ambient sounds.

Bluetooth APP Control

For advanced control and customization, download the dedicated smartphone application (usually found by scanning a QR code in the product packaging or searching for "CHINLY" or a similar name in your app store).

1. **Download App:** Install the app on your smartphone.
2. **Enable Bluetooth:** Ensure Bluetooth is enabled on your device.
3. **Connect to Device:** Open the app and connect to the CHINLY light engine. The app should automatically detect the device.
4. **Control Features:** The app typically offers a color wheel for precise color selection, brightness sliders, custom mode creation, and detailed control over meteor effects and sound-activated settings.

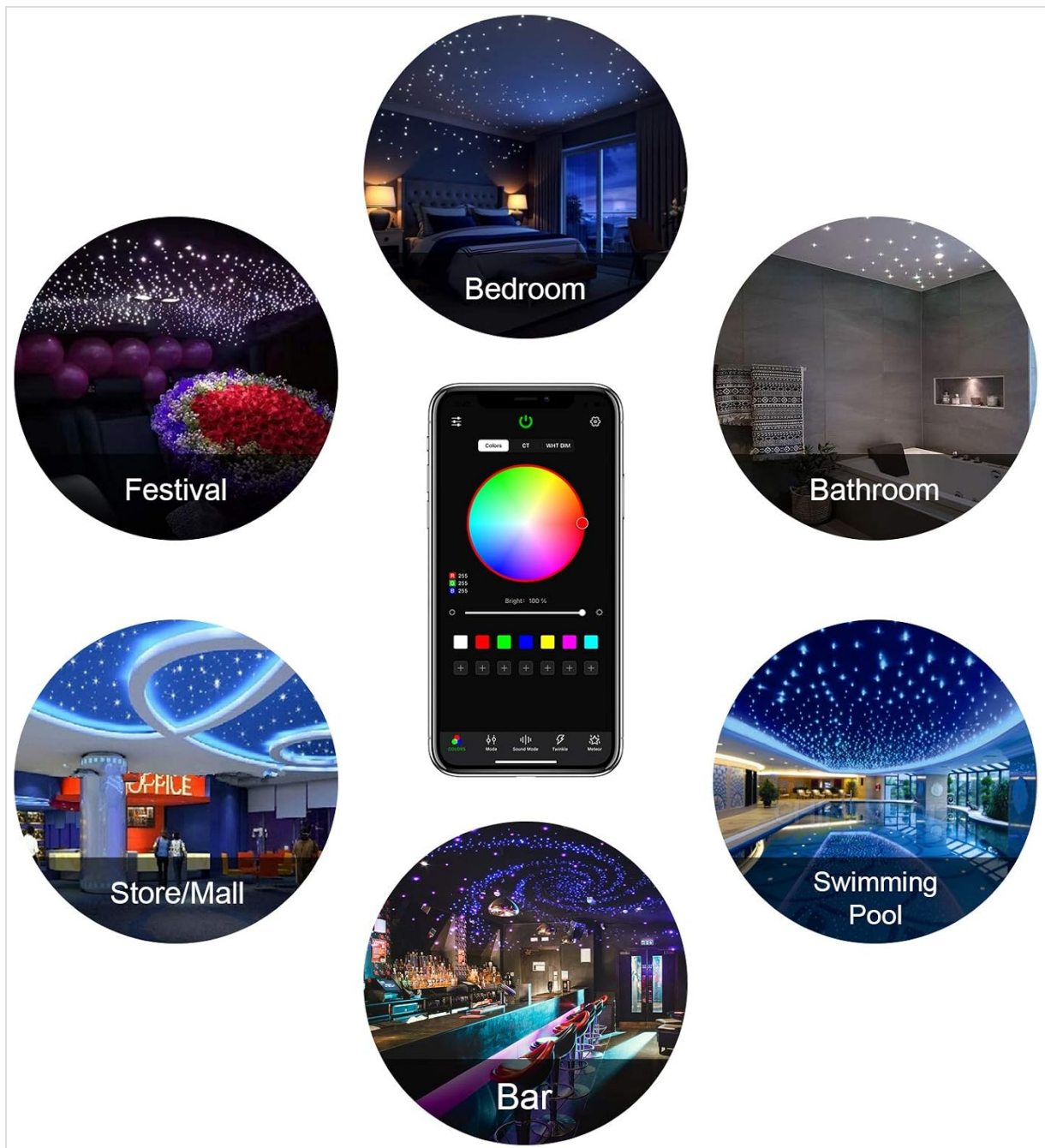


Image: Examples of the starlight headliner kit installed in various settings, including a bedroom, bathroom, festival, store/mall, swimming pool, and bar, demonstrating its versatility.

MAINTENANCE

The CHINLY Starlight Headliner Kit is designed for low maintenance. Follow these guidelines to ensure longevity and optimal performance:

- **Cleaning:** Gently wipe the exposed fiber optic ends with a soft, dry cloth if dust accumulates. Avoid using harsh chemicals or abrasive materials.
- **Light Engine Placement:** Ensure the light engine is placed in a well-ventilated area to prevent overheating. The light engine is not waterproof; protect it from moisture.

- **Fiber Optic Care:** Avoid bending or kinking the fiber optic cables sharply, as this can damage them and reduce light transmission.
- **Remote Battery:** Replace the CR2032 battery in the RF remote control when its responsiveness decreases.

TROUBLESHOOTING

If you encounter issues with your starlight headliner kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	No power supply; loose connection; faulty light engine.	Check power adapter/cigarette lighter connection. Ensure all cables are securely plugged into the light engine. Verify power outlet functionality.
Remote control not working.	Dead battery; remote out of range; interference.	Replace the CR2032 battery in the remote. Ensure you are within range of the light engine. Minimize obstructions between the remote and the light engine.
Bluetooth app cannot connect.	Bluetooth not enabled; app not paired; light engine off.	Ensure Bluetooth is active on your smartphone. Restart the app and the light engine. Try re-pairing the device within the app.
Some fiber optic lights are dim or not lit.	Fiber optic cable kinked or damaged; improper insertion into light engine; glue obstruction.	Inspect the affected fiber optic cable for damage. Re-insert the cable into the light engine port, ensuring it's fully seated. Check for any adhesive blocking the light path at the fiber end.
Meteor effect not working.	Meteor light engine not powered; meteor cables not connected.	Ensure the meteor light engine is properly connected to the main light engine via the splitter cable. Verify meteor cables are securely inserted.
Light leakage around fibers.	Insufficient adhesive; hole too large.	Apply additional adhesive around the base of the fiber on the back of the headliner. For larger holes, consider using a small amount of black tape or sealant to block unwanted light.

WARRANTY AND CUSTOMER SUPPORT

CHINLY provides a 2-year warranty service for this product. If you experience any manufacturing defects or issues within this period, please contact CHINLY customer support for assistance.

Warranty Coverage: The warranty covers faults or breakage due to manufacturing defects. It does not cover damage caused by improper installation, misuse, or accidental damage.

Contact Support: For warranty claims, technical assistance, or any product-related inquiries, please visit the official CHINLY store on Amazon or contact their customer service directly through the platform where you purchased the product. You may need to provide your purchase details and model number (QJ-L016).

For more information, visit the [CHINLY Store on Amazon](#).