

CHINLY QJ-L016

CHINLY Star Lights Headliner Kit with Meteor Effect (Model QJ-L016)

Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CHINLY Star Lights Headliner Kit. This kit is designed to create a dynamic starry sky effect with twinkle and meteor features, suitable for various applications including car interiors, home theaters, and other rooms. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The kit includes a 16W RGBW LED light engine, 460 pieces of 0.03in diameter fiber optic cables, and 96 pieces of 0.03in diameter meteor effect cables, all 9.8ft (3m) in length. Control is available via a dedicated mobile application and a remote control.



Image 1.1: Overview of the CHINLY Star Lights Headliner Kit components.

2. SAFETY INFORMATION

- Ensure the power supply is disconnected before any installation or maintenance.
- The light projector is not waterproof. Avoid exposure to moisture or liquids.
- Do not bend fiber optic cables sharply, as this can damage them and affect light transmission.
- Keep the light engine in a well-ventilated area to prevent overheating.
- Use only the provided power adapter and accessories.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x 16W RGBW Twinkle LED Light Engine
- 1x Meteor Motor

- 1x Fiber Optic Bundle (460pcs x 0.03in x 9.8ft)
- 1x Meteor Fiber Optic Cable Bundle (96pcs x 0.03in x 9.8ft)
- 1x RF Remote Control
- 1x AC Power Adapter
- 1x Car Cigarette Lighter Adapter
- 1x DC Power Splitter Cable
- User Manual (this document)

4. SETUP AND INSTALLATION

Careful planning and execution are key for a successful installation. The process involves preparing the surface, drilling holes, inserting fiber optics, and connecting the light engines.

4.1 Component Overview and Dimensions

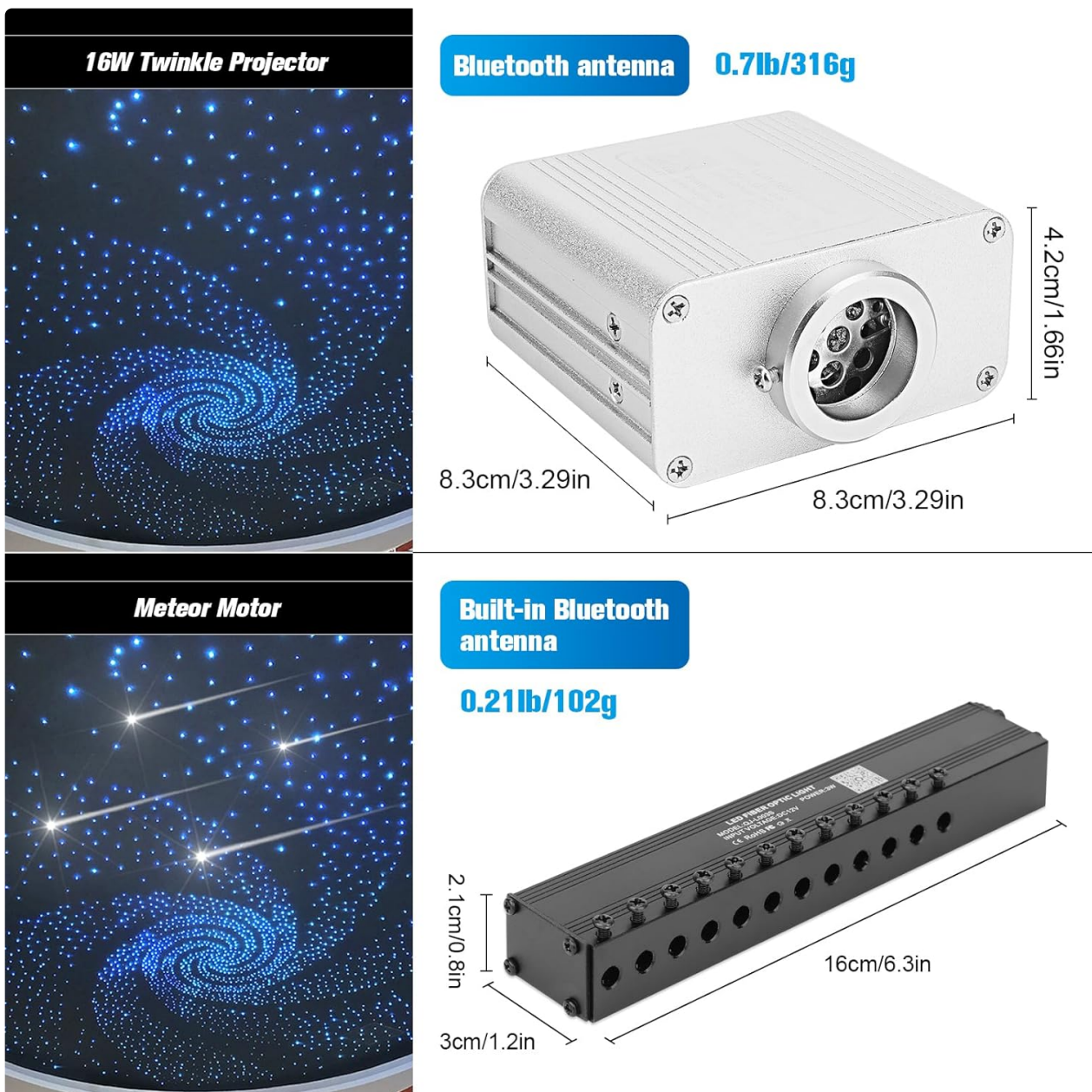


Image 4.1: Dimensions of the 16W Twinkle Projector and Meteor Motor.

- **16W Twinkle Projector:** 8.3cm (3.29in) x 8.3cm (3.29in) x 4.2cm (1.66in), Weight: 0.7lb/316g. Features

a built-in Bluetooth antenna.

- **Meteor Motor:** 16cm (6.3in) x 3cm (1.2in) x 2.1cm (0.8in), Weight: 0.21lb/102g. Features a built-in Bluetooth antenna.

4.2 Installation Steps

1. **Prepare the Surface:** For car headliners, remove the headliner from the vehicle. For home ceilings, ensure the area is clear and accessible.
2. **Plan Your Design:** Decide on the pattern for your stars. Mark the locations where you will insert the fiber optic cables. Consider varying the density of stars for a more realistic effect.
3. **Drill Holes:** Using a small drill bit (slightly larger than 0.03in), carefully drill holes at your marked locations. Ensure the holes are clean and free of debris.
4. **Insert Fiber Optic Cables:** Thread the individual fiber optic cables through the drilled holes from the front (visible side) to the back. For the meteor effect, group the 96 meteor cables into desired patterns before inserting.
5. **Secure Cables:** Once all cables are inserted, you may use a small amount of adhesive (e.g., hot glue) on the back of the surface to secure them, ensuring they do not pull out.
6. **Trim Excess:** On the visible side, trim the fiber optic cables flush with the surface using a sharp knife or scissors.
7. **Connect to Light Engines:** Gather all the fiber optic cables and insert them into the connector on the 16W Twinkle Projector. Secure them tightly. Insert the meteor effect cables into the Meteor Motor.
8. **Connect Power:** Connect the 16W Twinkle Projector and the Meteor Motor to the DC Power Splitter Cable. Then, connect the splitter cable to either the AC Power Adapter (for home use) or the Car Cigarette Lighter Adapter (for car use).

Installation

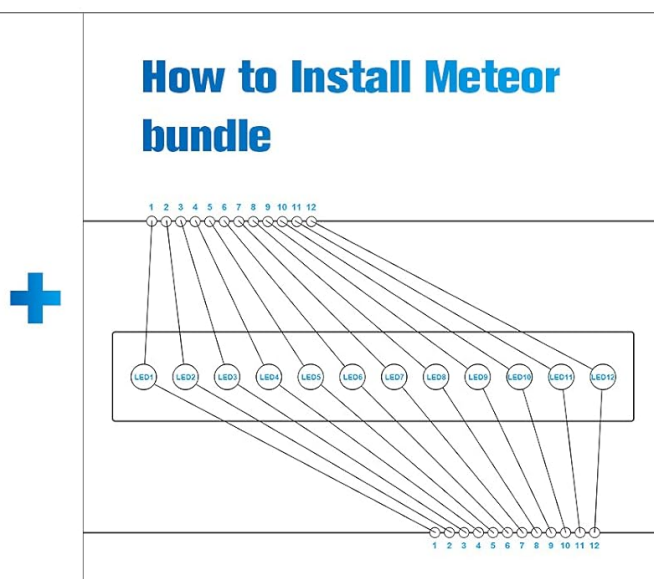
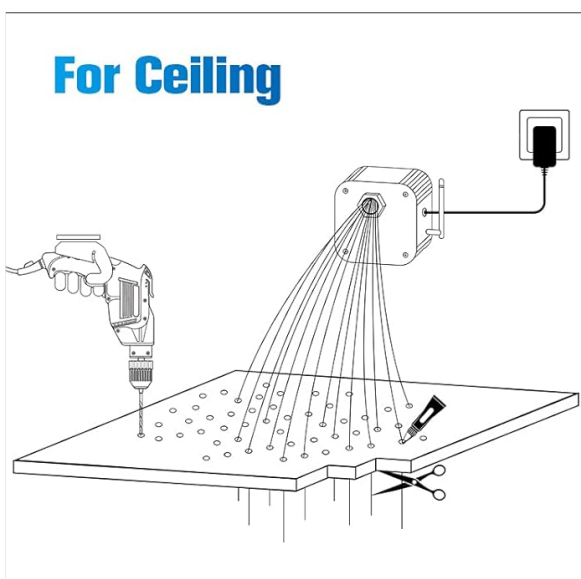
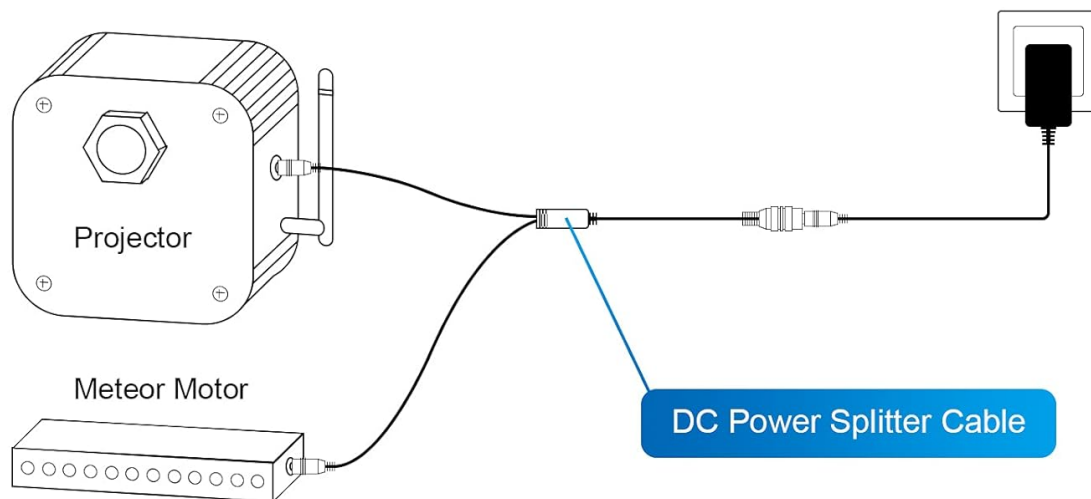


Image 4.2: Installation diagram for the light engine and fiber optic cables.

4.3 Application Examples



Image 4.3: Examples of the star lights installed in a home cinema and a car.

5. OPERATING INSTRUCTIONS

Your CHINLY Star Lights Headliner Kit can be controlled via a mobile application or the included RF remote control.

5.1 Mobile Application Control (MySmartLED)

1. **Download the App:** Search for "MySmartLED" in your smartphone's (Android/iPhone) app store and download it.
2. **Enable Bluetooth:** Ensure Bluetooth is enabled on your smartphone.
3. **Connect to Device:** Open the MySmartLED app. The app should automatically detect and connect to the light engine via Bluetooth.
4. **Control Functions:** Within the app, you can:
 - Select any color from a 16 million color wheel, including pure white.
 - Adjust brightness and speed.
 - Choose from various modes: fade, jump, flash, breath.

- Activate Audio Mode, where the lights synchronize with music.
- Control the meteor effect speed and pattern.

5.2 Remote Control

The included RF remote control provides quick access to essential functions:

- **Power On/Off:** Dedicated buttons to turn the lights on or off.
- **Color Selection:** Buttons for primary colors (R, G, B, W) and other preset colors.
- **Mode Selection:** Buttons for various light modes (e.g., JUMP, FADE, FLASH, BREATH).
- **Brightness/Speed Adjustment:** Buttons to increase or decrease light brightness and mode speed.
- **Meteor Control:** Specific buttons to control the meteor effect.

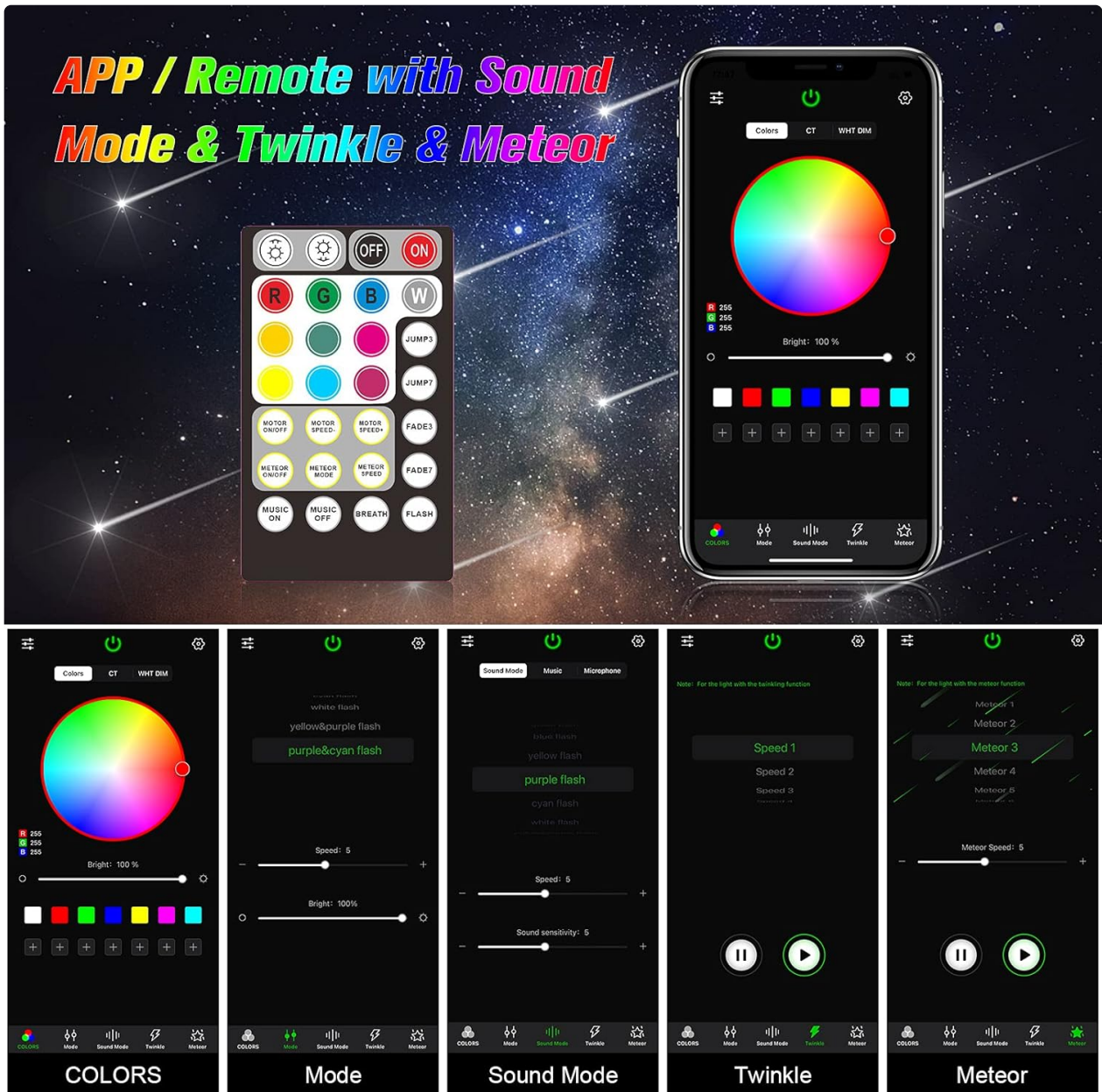


Image 5.1: MySmartLED App interface and RF Remote Control.

6. MAINTENANCE

To ensure the longevity and optimal performance of your CHINLY Star Lights Headliner Kit, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the light engine and fiber optic ends with a soft, dry cloth to remove dust. Do not use harsh chemicals or abrasive materials.
- **Fiber Optic Care:** Avoid sharp bends or kinks in the fiber optic cables, as this can cause light loss or breakage.
- **Ventilation:** Ensure the light engine is placed in an area with adequate airflow to prevent overheating.
- **Power Supply:** Regularly check the power adapter and cables for any signs of damage. Replace if necessary.

7. TROUBLESHOOTING

If you encounter issues with your Star Lights Headliner Kit, refer to the following common problems and solutions:

- **No Lights or Dim Lights:**
 - Check if the power adapter is securely connected to both the light engine and the power source.
 - Ensure the light engine is powered on.
 - Verify that the fiber optic cables are properly inserted into the light engine's connector and secured.
 - Adjust brightness settings via the app or remote.
- **App Not Connecting:**
 - Ensure Bluetooth is enabled on your smartphone.
 - Make sure the light engine is powered on and within Bluetooth range.
 - Close and reopen the MySmartLED app.
 - Restart your smartphone.
- **Remote Control Not Working:**
 - Check the battery in the remote control (requires 1 CR2032 battery). Replace if necessary.
 - Ensure there are no obstructions between the remote and the light engine.
- **Inconsistent Light Output / Broken Fibers:**
 - Inspect fiber optic cables for sharp bends, kinks, or breaks. Damaged fibers may need replacement.
 - Ensure the fiber ends inserted into the light engine are clean and cut evenly.
- **Meteor Effect Not Functioning:**
 - Verify the meteor motor is properly connected to the power splitter and the meteor fiber bundle.
 - Check meteor settings in the app or on the remote.

If these steps do not resolve the issue, please contact CHINLY customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Model Number	QJ-L016
Light Source Type	LED (RGBW)
Maximum Wattage	16 Watts

Voltage	12 Volts
Material	Aluminum (Light Engine), PMMA Plastic (Fiber Optic)
Finish Type	Painted Silver
Product Dimensions (Light Engine)	3.3"L x 3.3"W x 1.65"H
Item Weight	4 Pounds (total package)
Fiber Optic Cable Quantity	460pcs (Twinkle) + 96pcs (Meteor) = 556pcs total
Fiber Optic Cable Length	9.8ft (3m)
Fiber Optic Cable Diameter	0.03in
Control Method	APP (MySmartLED) & RF Remote Control
Power Source	Corded Electric (AC Adapter or Car Cigarette Lighter)
Remote Battery Type	1 CR2032 (required, not included)
UPC	737655585155

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The CHINLY Star Lights Headliner Kit comes with a **2-year warranty**. This warranty covers manufacturing defects and product malfunctions under normal use. If the product is found to be faulty within this period, CHINLY will provide a replacement or refund.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact CHINLY customer support. You can typically find contact information on the product packaging or the official CHINLY website.

We are committed to providing a satisfactory solution for any issues you may encounter with your product.