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LeeKooLuu LK1

LeeKooLuu LK1 Backup Camera Mirror Instruction Manual

Model: LK1
Brand: LeeKooLuu

INTRODUCTION

The LeeKooLuu LK1 Backup Camera Mirror System is designed to enhance driving safety by providing a clear, wide-angle view of the area behind your vehicle. Featuring a 4.3-inch HD 1080P display integrated into a rearview mirror, a waterproof license plate camera with super night vision, and customizable guide lines, this system offers a reliable solution for parking and reversing. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and user satisfaction.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x 4.3 Inch Monitor (integrated into rearview mirror)
- 1 x Backup Camera (license plate mount)
- 1 x Suction Cup (for alternative monitor mounting)
- 2 x Power Cords
- 1 x Cigarette Lighter Adapter
- Flexible Rubber Mounting Straps (pre-attached or included for mirror monitor)

The Package Contains



5 inch mirror monitor



Camera



Cigarette lighter adapter



Power cord*2



Rubber mounting straps



Green connector



T-Taps*2

Image: All components included in the LeeKooLuu LK1 package.

PRODUCT OVERVIEW & KEY FEATURES

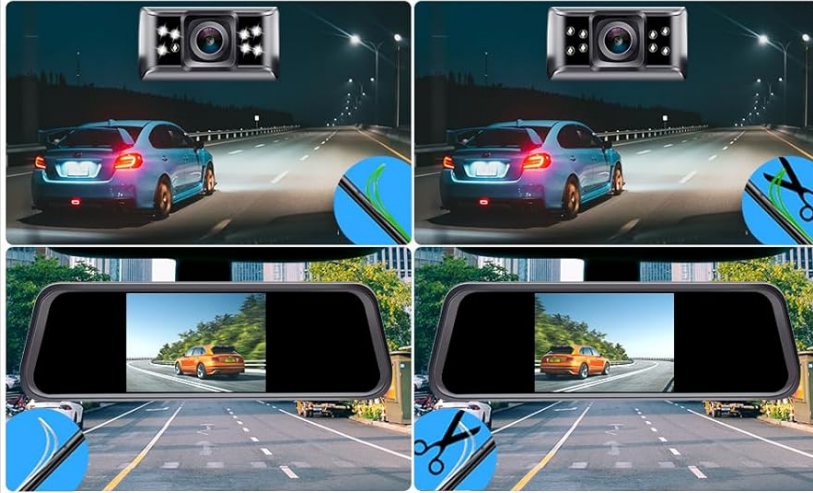


Image: Overview of the LeeKooLuu LK1 Backup Camera Mirror System.

4.3-Inch HD 1080P Mirror Monitor

The system features an upgraded 4.3-inch HD 1080P streaming media screen integrated into a rearview mirror. The anti-glare blue glass ensures clear visibility. The monitor can be securely fixed over your vehicle's original rearview mirror using the provided flexible rubber mounting straps.

Cut the green wire to turn off the 7 white LED light



Cut the white wire, the image turn into normal facing image

1080P HD Resolution

High pixels bring clearer visuals and brighter colors



Image: The 1080P HD resolution display and wire cutting options for customization.

Super Night Vision & Wide Angle Camera

The LK1 camera is equipped with a 150-degree viewing angle and 5 white LED lights, providing crystal clear color images whether day or night, ensuring enhanced driving safety in low-light conditions.



LED Night Vision Lens Ordinary

7 LED night keep image clear even when driving at night



Super Night Vision



Ordinary Night Vision

Image: Comparison of Super Night Vision versus Ordinary Night Vision.

Image: 150-degree wide viewing angle for comprehensive rear coverage.

IP69 Waterproof & High/Low Temperature Resistance

The rearview mirror backup camera kit utilizes advanced sealing technology, providing an IP69 waterproof rating. This protects the lens from water or fog intrusion. The system is also designed to withstand high and low temperatures, ensuring reliable operation in various weather conditions.

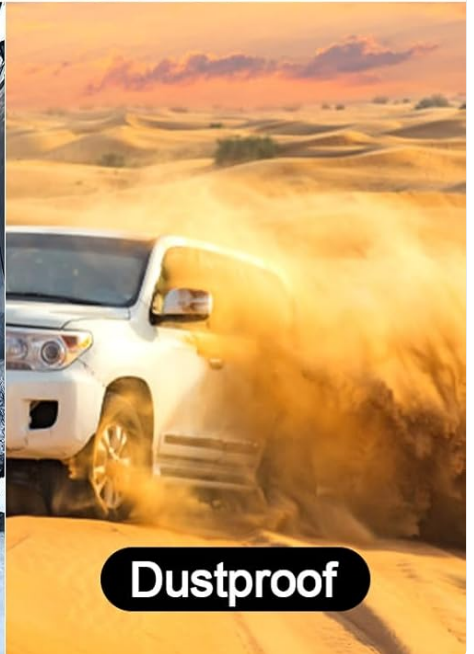
High and Low Temperature Resistance & IP69 Waterproof



Hot



Cold



Dustproof

Image: Durability features including IP69 Waterproof and temperature resistance.

DIY Backup Guide Lines & Image Flip

The system allows for customization of parking guide lines. You can adjust their width, move them left/right/up/down to fit specific vehicle conditions, or turn them off entirely. Additionally, the camera image can be flipped between mirror (rear view) and facing (front view) by cutting a specific green wire.

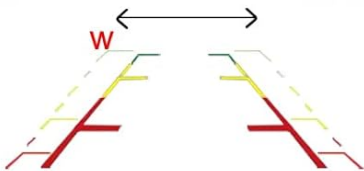
Flexibly Adjust Display Parameters

Adjust the brightness/contrast/HUE/saturation etc.

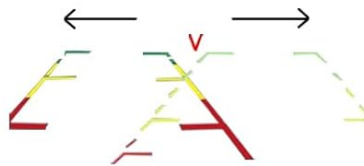


DIY Guide Lines

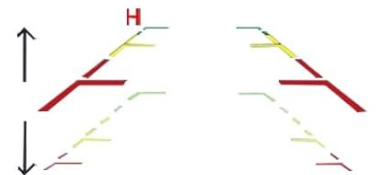
Guide lines moving up or down, adjusting height and adjusting width



Adjust the width of the guide lines



Move the guide lines up or down



Adjust the height of the guide lines

Image: Customization options for display parameters and DIY guide lines.

Wide Range of Application

The LeeKooluu LK1 system is compatible with a variety of vehicles, including cars, SUVs, Jeeps, pickups, campers, RVs, trucks, and trailers.

Wide Range of Application and Compatibility



Car

SUV

Jeep

Pickup



Camper

RV

Truck

Trailer

Image: Examples of vehicle types compatible with the LK1 system.

INSTALLATION GUIDE

The LeeKooLuu LK1 system is designed for easy installation. Please follow these steps carefully:

1. **Mount the Mirror Monitor:** Securely attach the 4.3-inch mirror monitor over your vehicle's existing rearview mirror using the flexible rubber mounting straps. Ensure it is firmly in place and does not obstruct your view.
2. **Install the Backup Camera:** Mount the license plate camera in a suitable position, typically above your rear license plate. Ensure the camera has a clear, unobstructed view of the area behind your vehicle.
3. **Connect Camera Power:** The camera can be powered by connecting its power cord to your vehicle's reverse lights. This allows the camera to activate automatically when the vehicle is shifted into reverse gear. Alternatively, for continuous use, the camera can be powered by directly connecting to a 12V source from your fuse box, cigarette lighter (using the provided adapter), or ignition switch.
4. **Route Video Cable:** Connect the video cable from the backup camera to the mirror monitor. Carefully route the cable through your vehicle's interior, ensuring it is tucked away safely and does not interfere with any moving parts or vehicle operation.

5. **Connect Monitor Power:** Connect the monitor's power cord. If you powered the camera via reverse lights, the monitor will typically receive power through the video cable when the camera activates. If you powered the camera for continuous use, ensure the monitor also receives continuous power from a 12V source. The cigarette lighter adapter can be used for easy power connection.
6. **Test the System:** Once all connections are made, start your vehicle and shift into reverse gear (if connected to reverse lights) or turn on the ignition (for continuous power). Verify that the camera image appears clearly on the mirror monitor.

For detailed wiring diagrams or specific vehicle considerations, it is recommended to consult a professional installer or refer to online resources specific to your vehicle model.

OPERATION

Automatic Activation

If the camera is wired to your vehicle's reverse lights, the mirror monitor will automatically display the rear view when you shift your vehicle into reverse gear. The display will turn off or revert to a normal mirror when you shift out of reverse.

Continuous Operation

If the camera and monitor are wired to a continuous 12V power source (e.g., cigarette lighter, fuse box), the system will remain active as long as the vehicle's ignition is on or the power source is live.

Adjusting Display Parameters

The mirror monitor allows for adjustment of various display settings to optimize image quality. These typically include:

- **Brightness:** Adjust the overall luminosity of the screen.
- **Contrast:** Modify the difference between light and dark areas.
- **Hue:** Adjust the color tint.
- **Saturation:** Control the intensity of colors.

Refer to the monitor's on-screen menu or physical buttons for specific adjustment procedures.

Customizing Guide Lines

The parking guide lines can be adjusted to suit your preference and vehicle dimensions:

- **Width Adjustment:** Modify the horizontal spread of the lines.
- **Position Adjustment:** Move the lines up, down, left, or right on the screen.
- **Disable Guide Lines:** The guide lines can be turned off if not desired.

These adjustments are typically made through the monitor's settings menu.

Image Flip Function

To change the camera's image orientation between mirror view (for rear) and facing view (for front), locate the green wire on the camera's cable and carefully cut it. This action will toggle the image orientation.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your LeeKooLuu LK1 system.

- **Cleaning the Camera Lens:** Regularly clean the camera lens with a soft, damp cloth to remove dirt, dust, or water spots. Avoid abrasive cleaners that could scratch the lens.
- **Cleaning the Monitor Screen:** Use a soft, lint-free cloth to gently wipe the monitor screen. For stubborn smudges, a screen cleaner designed for electronics can be used. Do not spray liquid directly onto the screen.

- **Check Connections:** Periodically inspect all cable connections to ensure they are secure and free from corrosion or damage.
- **Avoid Extreme Temperatures:** While the system is designed for temperature resistance, prolonged exposure to extreme heat or cold when not in use can affect its lifespan.
- **Water Exposure:** Despite being IP69 waterproof, avoid directing high-pressure water sprays directly at the camera during car washes.

TROUBLESHOOTING

If you encounter issues with your LeeKooLuu LK1 system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on monitor	No power to monitor or camera; Loose video cable connection; Incorrect wiring.	Check all power connections to both monitor and camera. Ensure video cable is securely connected at both ends. Verify wiring according to installation guide.
Flickering or distorted image	Interference from vehicle's electrical system; Loose connection; Damaged cable.	Ensure proper grounding. Check for any loose connections. If problem persists, consider using a power filter or replacing the video cable.
Image is blurry or foggy	Dirty camera lens; Condensation inside lens; Damaged camera.	Clean the camera lens. If condensation is present, allow time for it to dissipate in a dry environment. If persistent, the camera may be damaged.
Guide lines are crooked or incorrect	Camera not mounted level; Guide line settings incorrect.	Ensure the camera is mounted level. Adjust the guide line settings through the monitor's menu to correct alignment.
Poor night vision performance	Dirty camera lens; LED lights obstructed or not functioning.	Clean the camera lens thoroughly. Check if the LED lights on the camera are clear and functional.

SPECIFICATIONS

Feature	Specification
Model Number	LK1
Screen Size	4.3 Inches
Product Dimensions	10 x 2 x 4 inches (10"L x 2"W x 4"H)
Item Weight	1.5 pounds
Voltage	12 Volts
Optical Sensor Technology	CMOS
Lens Type	Prime
Real Angle of View	150 Degrees

Feature	Specification
Connector Type	Wired
Installation Type	Surface Mount, Dashboard Mount
Compatible Devices	Monitor
Waterproof Rating	IP69

WARRANTY & SUPPORT

LeeKooLuu is committed to providing high-quality products and customer satisfaction. For any inquiries, technical assistance, or warranty claims, please contact LeeKooLuu customer support.



Image: LeeKooLuu offers 24-hour customer service.

Please retain your purchase receipt as proof of purchase for warranty purposes.



Image: Product certifications and compliance.