



## LED WHEEL RING LIGHT



(Operation Guide Video)



(Download "Magic-Lantern" from the App Store or Google Play Store.)

## LED Wheel Ring Light

### Includes

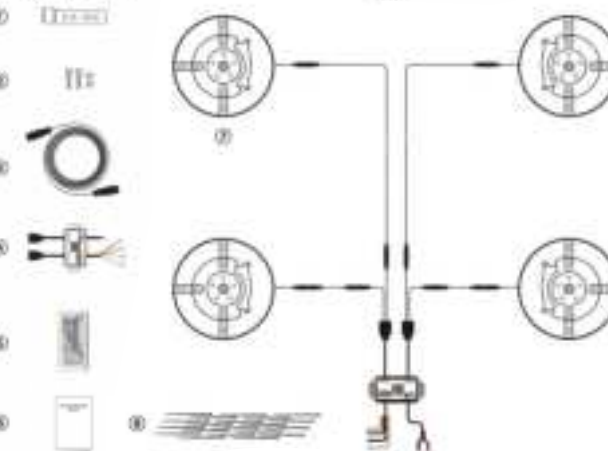
Thank you for purchasing our Universal LED RGB Wheel Ring Light Kit. After receiving your package, please open it and check if the product has been damaged during shipping. Use the accessory list in the instruction manual to ensure that you have received all the necessary parts. If there are any issues or concerns, please do not hesitate to contact us at our customer support email: support@ehaho.com.

#### PARTS LIST:

1. LED Strip (10m X 20)
2. Screws X 44
3. Extension Cord X 4
4. Power Box X 1
5. RF Remote X 3
6. Manual X 1
7. LED WHEEL RING KIT X 4
8. CABLE ZIP TIES X 20

#### POSSIBLE REQUIRED TOOLS :

- Screwdriver
- Power Drill
- Wire Drill Bit
- Wire Cutter and Crimp
- Vehicle Tools to Remove Brake Components Jack and Jack Stands
- Tape Measure
- Safety Gloves
- Center Punch or Tilt-Up Marker
- Protective Eye wear



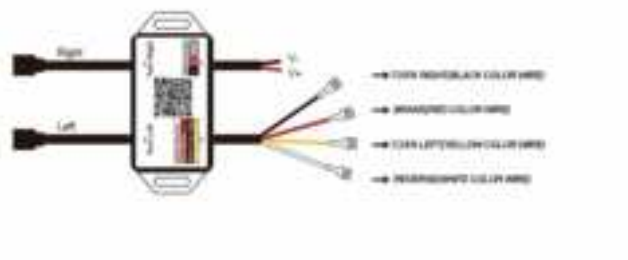
### Warning

NOTE: THIS UNIVERSAL KIT WILL FIT MANY DIFFERENT VEHICLES AND INVOLVES MAJOR VEHICLE MODIFICATION AND REQUIRES MECHANICAL SKILLS. PART OF THE BRAKE SYSTEM WILL HAVE TO BE REMOVED AND REINSTALLED DURING THE INSTALLATION OF THE LIGHT KIT. FUTURE SERVICE OF THE BRAKE SYSTEM WILL REQUIRE REMOVAL OF THE KIT. IF YOU ARE NOT CONFIDENT IN YOUR SKILLS, CONTACT A PROFESSIONAL INSTALLER. THE IMPROPER INSTALLATION OF THIS KIT WILL VOID ALL WARRANTIES.

CHECK YOUR STATE AND LOCAL LAWS BEFORE INSTALLING THIS LED WHEEL RING KIT. EVERY STATE HAS DIFFERENT POLICIES AND LAWS IN PLACE REGARDING AFTERMARKET VEHICLE ACCESSORIES. Ehaho is NOT RESPONSIBLE FOR ANY FINES THAT YOU MAY OCCUR WHILE USING THIS LIGHTING KIT. THIS KIT IS FOR OFF-ROAD AND SHOW USE ONLY.

THE ROTOR DIAMETER MUST BE 17" OR SMALLER AND THE WHEEL DIAMETER 19" OR LARGER FOR THE 14" KIT. THE ROTOR DIAMETER MUST BE 19" OR SMALLER AND THE WHEEL DIAMETER 21" OR LARGER FOR THE 15.5" KIT. THE ROTOR DIAMETER MUST BE 21" OR SMALLER AND THE WHEEL DIAMETER 22" OR LARGER FOR THE 17" KIT. INCLUDE YOUR CALIPER WHEN MEASURING FOR FITMENT AS LARGER CALIPERS MAY INTERFERE WITH WHEEL RING MOUNTING. PRIOR TO INSTALLATION, ENSURE THE VEHICLE HAS BRAKE DUST SHIELDS THAT ARE IN GOOD CONDITION BEHIND THE ROTORS.

### Step 1 Installation of the wheel lights



Step 1. Before installing the wheel rings onto your vehicle, it is recommended to inspect the product for any defects, functional issues, and proper usage. Temporarily connect the Bluetooth RGB Controller, Wheel Rings, and the RGB Splitter to a 12-volt power source and test for full functionality. This will give you a better understanding of the product and help prevent any surprises when handling the vehicle. Make sure to download the Bluetooth Controller app from the instruction manual and check the package contents for completeness. If you encounter any issues, please contact us promptly. Our customer support email is support@ehaho.com.

Step 2. Once you are ready to install. Disconnect the negative side of the vehicle's battery.

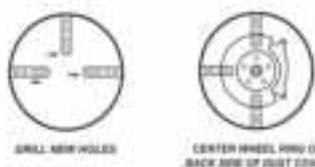
Step 3. Using a floor jack and jack stands, or an automotive lift, safely raise and support the vehicle.

Step 4. Remove the wheels from the vehicle. It is easier to take all 4 wheels off at the same time to install this wheel ring kit although it is not necessary by any means.

Step 5. Check the dust cover, and test fit the wheel rings to make sure you will have proper clearance from all moving parts, as well as the brake calipers. You should start figuring out where to install here. There are additional pre-tapped holes in the wheel ring which will allow you to adjust the position of the mounting bracket to best suit your vehicle.

Step 6. Remove the brake caliper and brake rotor in order to gain complete access to the brake dust shield. Remove the caliper bolts and secure the caliper so that it does not fall or bend brake lines. Do not remove the brake line from the caliper. Remove the rotor and set aside.

Step 7. All mounting brackets must be mounted to the backside of the dust shield. All mounting hardware must go through the dust shield from the front and into the wheel ring bracket. Ensure there is enough clearance between the mounting screw head and the brake rotor. Every vehicle is different and additional modification and adjustments of the brackets may be necessary for clearance of brake and suspension components



### Step 2 Installation of the wheel lights

Step 8. The mounting brackets will be installed behind the dust shield using the included M4 Mounting Hardware. Mark the hardware mounting locations on the brake dust shield with a marker and a punch. Drill the necessary 4mm hole for the hardware to go through. Again, ensure there is proper clearance between the rotor and the hardware you are using, and install these brackets to the brake dust shield. Not all brackets are going to be used, but be sure to use at least 3 brackets in order to keep the ring secure.

Step 9. Ensure the RGB wire is in an upward position facing forward. Check to ensure you have maintained clearance from the caliper and any moving parts. Tip: When the ring is mounted there should be a minimum of a 1/4" gap between the caliper and the wheel ring.

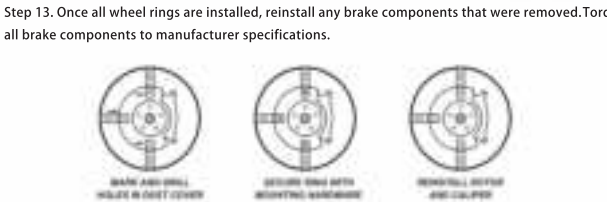
Step 10. Once clearance is verified, continue to mount and tighten the brackets to the dust shield using the included hardware.

Step 11. Run the RGB wires towards the area you will mount the bluetooth RGB controller. MAKE SURE that you connect the RGB wires, Arrow to Arrow when connecting. Use wire ties to keep the wires away from moving parts and heat. Ensure there is at least 6 inches between any moving parts or heat sources and the wheel ring wires.

(Tip: For the running direction of the left and right wheels to be consistent. The front and rear wheels on the left are installed clockwise according to the indicator arrows on the surface of the light strip, and the front and rear wheels on the right are installed counterclockwise according to the indicator arrows on the surface of the light strip.)

Tip: Illustration

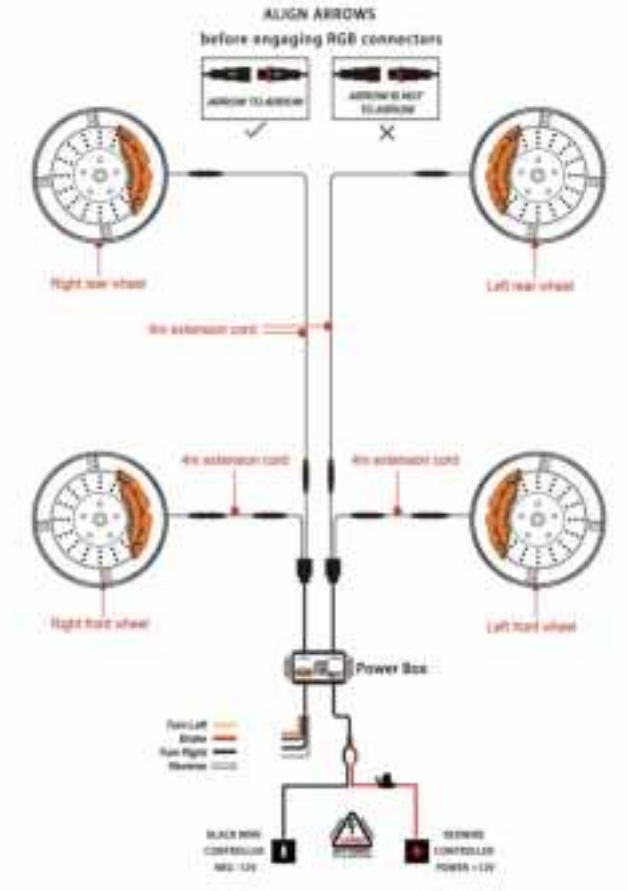
Step 12. Repeat installation steps 8-11 for the remaining 3 wheels.



Step 14. Reinstall the wheels. Rotate the wheel to ensure your rim and wheel ring have proper clearance , paying close attention to the location of any wheel balance A i weights that might have been installed.

Step 15. Safely lower the vehicle.

### WIRE DIAGRAM



### Step 3 Connect the power supply

Step 16. Connect the Bluetooth's red power wire to a positive (+) 12 volt source,

Tip: When connected to a constant source, you will need to physically turn the wheels lights off via the Bluetooth App or switch on/off every time as it will not shut off when your vehicle does.

If you are running the wires to your vehicle's battery, the wires must go through the firewall by using an existing grommet or by drilling a hole and adding a new grommet. Grommets are available at any auto parts store.

Be sure to use 16 or 18 gauge automotive grade wiring if you need to extend the red and black wires. Be sure to install the fuse within 6 inches of the battery so it is easy to find.

If you need to extend the red and black wires, be sure to use 16 or 18 gauge automotive grade wire (Please contact us, we can provide extension cables that meet the standard) . Be sure to mount the fuse within 6 inches of the battery so it's easy to find.

Step 17. Connect the black wire to a suitable, unpainted metal surface under the dash at any main bracket or grounding block. If you are connecting the wires to your vehicle's battery, connect the black wire to the negative (-) terminal of the battery or any engine ground.

Step 18. Reconnect the battery.

Step 19. Test for operation.

Step 20. Now that you have your new LED Wheel Ring Kit installed, wires routed and wire connectors assembled, it's time to download and install the Android or iPhone App in order to control your RGB colors. You will need to use this App to scan for the wheel rings in order for the App to control the RGB accenting, Scan the QR Code that will work with your smart phone. You will need to use the App to scan for the App to control the lights. You MUST USE THIS App and only this App. No other App will work!

Step 21. Once you successfully scan the QR Code, a new window will automatically open and confirm that you want to download the App from the App store. Click yes and allow the app to download to your phone. After successfully downloading the App, turn on your smart phone Bluetooth function and open the App.



This manual is a guide only to show you the fastest way to install these products on your vehicle. As with any installation, there are usually several ways to install a product and achieve the same result and each installer has his or her own experience and method of doing it. If any problems are found, or if you have installation problems, please contact our brand website: support@ehaho.com.

## LED Atmosphere Light App Guide

01 Open the app and click "on". If you accidentally click "don't allow", go into your phone's settings and find "Magic-Lantern". Then, allow Bluetooth through your phone's settings. This is essential to connect your phone to your lights.



02 Turn on your phone's Bluetooth. Then, plug in and turn on your LED Atmosphere Lights. After, click the icon in the top left corner of the app. You should see your lights appear under "my devices" (this may take up to 3 minutes). Click on your lights to finish pairing them with your app.



### Music Mode

Currently music mode is only available for songs that have been downloaded onto your phone. Apple Music, Spotify, and other streaming services generally do not download songs to your phone. As a solution, you can use the "Mic" mode so that your lights automatically adjust to the sound of music. To use mic mode, click "mic" in the bottom right of the screen. Then, click "ON" to allow the app to access your phone's mic.



Music dancing lights pattern can be triggered by your phone's mic or an external mic of the products. Set the sensitivity to adjust the External MIC to sense the external sound of frequency and intensity lights will sync with the sound's frequency and intensity. NOTE: If the MIC sensitivity is set too low, the music activation feature on the remote control may not work properly. To ensure its effectiveness, please adjust the sensitivity to a level of 50 or higher using the app before utilizing the remote control's music activation.



## LED CAR ATMOSPHERE LIGHTS CONTROLLED BY LOTUSLANTERN APP

- Works with APP
- Long-range control convenient and quick
- Brightness control from 1% to 100%
- Seven romantic scene modes are optional
- More Than 16million of Colors
- Multi modes can be controlled by one APP
- DIY selection by APP controller to create your great led mood lighting



## Remote controller



1. One-to-One Remote Control Setting: LED wheel ring kit locked and only control by your controller and not affected by others remote controller. How to set: (1) Locked: Within 10 seconds of powering on the product, press and hold the brightness "+" button for 5 seconds, and the light bar flashes white 3 times, and locked is successful. (It needs to be operated within 10 seconds after power on, other times are invalid) (2) Unlocked: Within 10 seconds of powering on the product, press and hold the brightness "-" button for 5 seconds, and the light bar flash white 1 times, and unlocked is successful (It needs to be operated within 10 seconds after powering on, and other times are invalid)

2. Brightness adjustment: Press the brightness adjustment button once a second, the brightness can be adjusted slowly.

3. DIY collection function: In the current mode, long press and hold the DIY button. When the white light flashes, you can save and remember the current mode. Memory is also retained when the power is turned off

◊Note: When the MIC sensitivity is too low, the remote control's music activation may not be available. Please adjust the sensitivity to an appropriate level of 50 or above using the APP before using the remote control's music activation.

FCC Warning: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. • Increase the separation between the equipment and receiver. • Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. • Consult the dealer or an experienced radio/TV technician for help. Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.