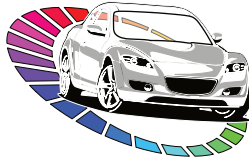




VAIS TECHNOLOGY

www.vaistech.com

Installation & Operation Manual



LitLED
ambient lighting

AL6-K01



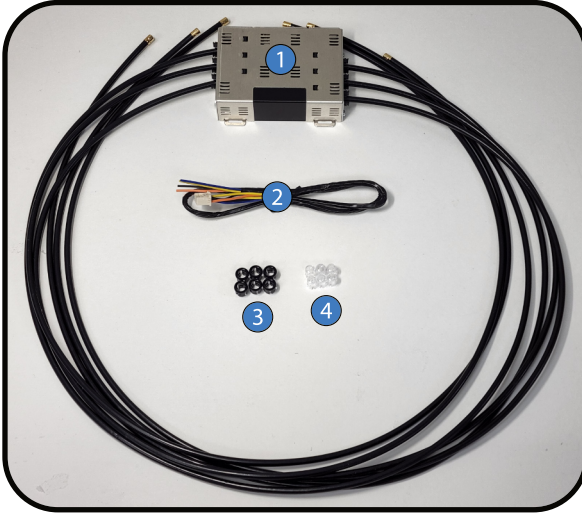
 **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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1 Ambient Lighting Kit

WHAT'S INCLUDED



- 1 ECU - Main Unit
- 2 Power & Input Harness
- 3 Mounting Bezel (x6)
- 4 Output Lens (x6)

BEFORE YOU START

WARNING

DO NOT BLOCK THE AIRBAG

Do not mount product or any added equipment where it can obstruct the operation of any safety devices such as the airbag.

DISTRACTION WARNING

Do not let product or any added equipment distract you while you are driving.

CAUTION

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS

Cables or wiring that obstruct or get caught on places such as the steering wheel, shift lever, brake pedals, etc. can be extremely hazardous.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST

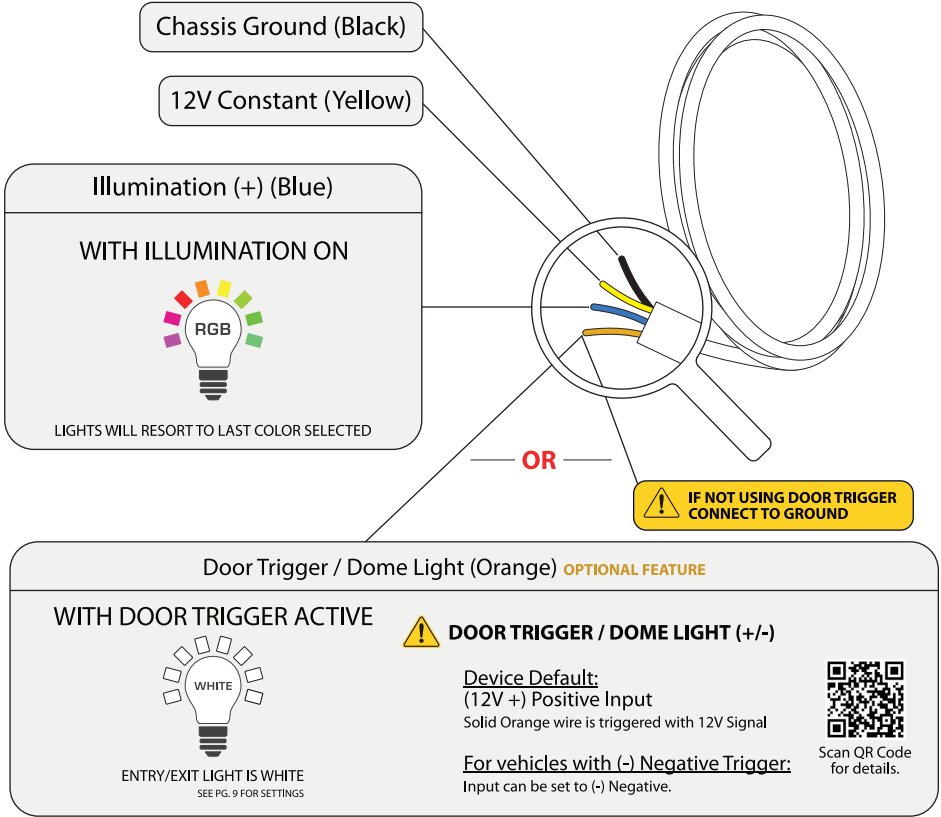
Moisture or dust may result in product failure.

DISCONNECT THE NEGATIVE BATTERY TERMINAL

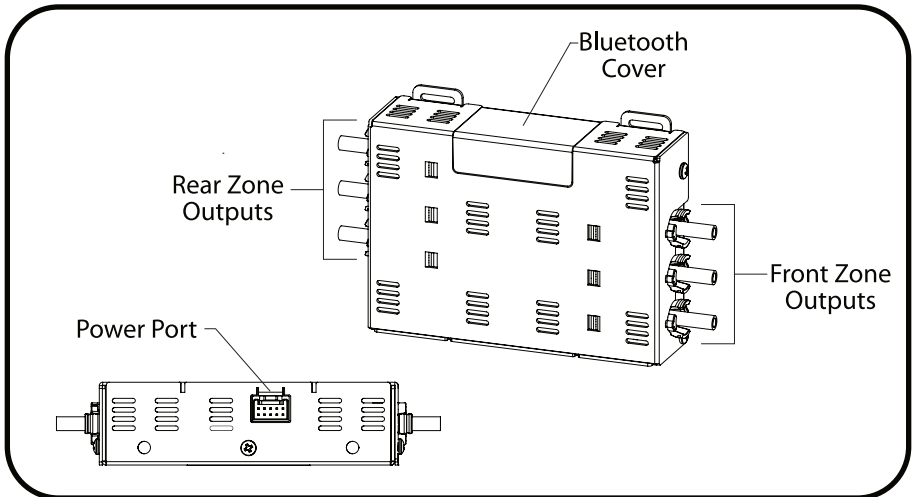
Before starting any installation work, you must wait 90 seconds after turning the ignition switch to the LOCK position and disconnecting the negative (-) terminal from the battery. The supplemental restraint system (airbag) is equipped with a backup power source. If installation work is started less than 90 seconds after disconnection of the negative (-) battery terminal, the SRS may deploy. VAIS Technology is not responsible for any vehicle settings lost due to a battery disconnect. Reference owner's manual for vehicle specific details.



POWER HARNESS CONNECTIONS



CONNECTORS AND PORTS



INSTALL THE ECU MODULE AND ROUTE THE FIBER OPTIC CABLES

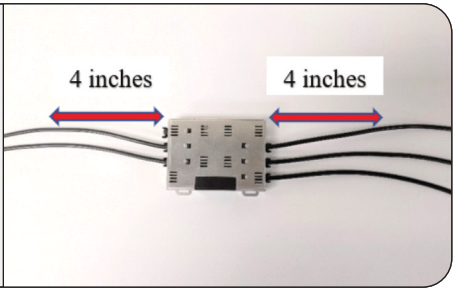
1
Remove the interior panels where you want to install the lenses.



2
Drill 8mm holes with a step drill bit. VAIS Recommends Irwin #111102.
Drill at a 90-degree angle to produce an even round hole.
* Thicker panels may require a larger opening



3
Do not bend the fiber optic cables closer than 4 inches from the ECU.

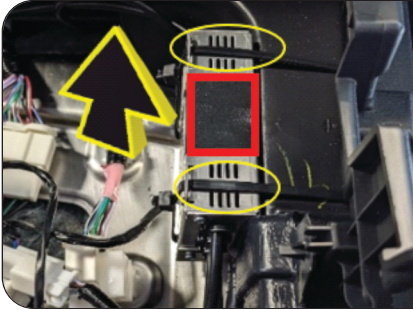


Gently bend cable




Do not over bend



SECURE THE MODULE

Secure the ECU Module, as shown, use zip ties and mounting tabs.

Make sure to mount the ECU Module with plastic cover facing up.

-  Keep plastic cover away from large metal plates.
Mount the module to a structure as shown.
DO NOT mount to wiring harnesses, etc.

INSTALL BEZELS AND LENSES

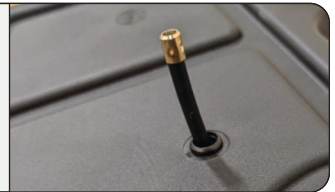
1

Install bezel into the hole that was drilled.



2

Route the fiber optic through the bezel.




3

Install lens on the end of the fiber optic cable.



4

Push the fiber optic cable with the lens into the bezel, pushing in until it clicks into the bezel.

-  Do not damage the lens. Guide it directly into the bezel and do not bend the ends of the lens.




* Repeat these steps for each fiber optic cable.

DISASSEMBLING THE OUTPUT SIDE

1

Use an 8mm socket and wrap the end in protective tape.

 Protective tape is required to protect the bezel from getting scratched by the 8mm socket.



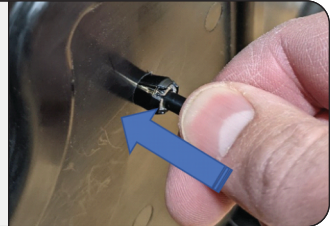
2

Press 8mm socket firmly against the bezel.



3

Push the fiber optic cable in the direction shown, until the lens comes out.



4

Remove the lens from the fiber optic cable, Pull the cable out of the hole.



DOWNLOAD & OPEN THE APP**SELECT THE DEVICE**

Select the LitLED device to start using the app.

Troubleshooting

If LitLED device does not appear:

Turn vehicle illumination OFF/ON

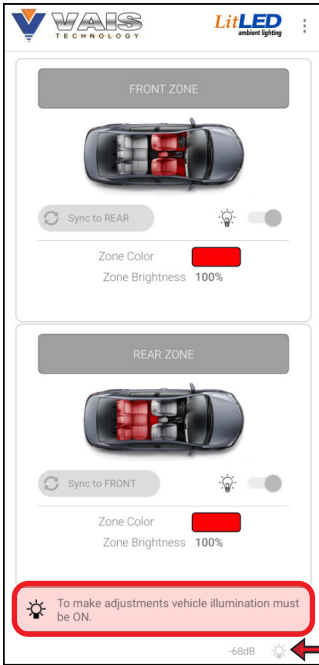
If LitLED app does not connect to the module:

Reboot the phone.

If ECU is inactive for over 5 minutes it will go to sleep mode.

To wake up, Open/Close the Door or turn illumination OFF/ON

VEHICLE ILLUMINATION



WHEN VEHICLE'S ILLUMINATION IS OFF

App buttons are Gray, and will not function



Illumination indicator at the bottom of the app screen will be Gray.

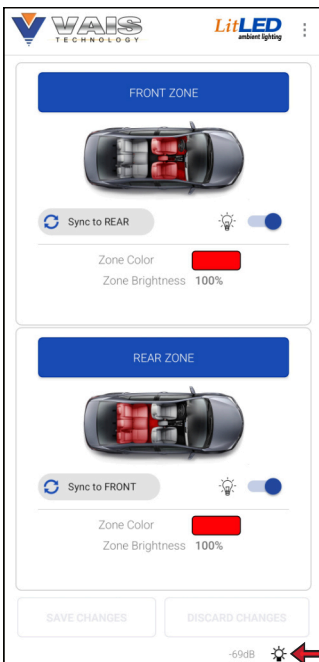


App will not work while Door Trigger is active. To change Door Trigger settings see Pg. 9



Icon will appear when Door Trigger is active.

Illumination Indicator OFF



WHEN VEHICLE'S ILLUMINATION IS ON

App buttons will illuminate Blue, and will now function.



Illumination icon will light up at the bottom of the screen.

Illumination Indicator ON

SELECT A ZONE TO CHANGE THE COLOR

Sync Front/Rear Zones together.

ON/OFF for Each Zone

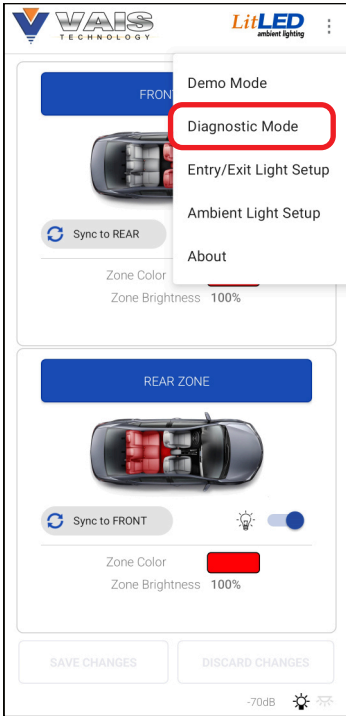
CHOOSE COLOR AND BRIGHTNESS

Select Color Wheel or Swatches

Select Color Range

Add White Balance

Select Brightness



ATTENTION INSTALLERS

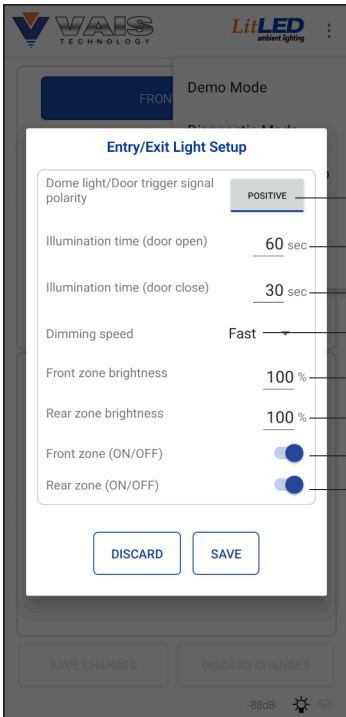
Run Diagnostic Mode prior to assembly

DIAGNOSTIC MODE

Verify the proper operation of each zone and channel as the app goes through the diagnostic mode.

AL6-K01 unit will cycle through each of the primary colors to verify LED functionality.


- ⚠ Diagnostic mode will be interrupted if application switches to background mode.
- ⚠ Diagnostic mode will start over after application returns to foreground mode.



ENTRY/EXIT LIGHT SETUP

- Select Positive or Negative signal polarity for dome light
- Timer for Entry Light when door is open
- Timer for Entry Light when door is closed
- Set the Dimming Speed for entry light
- Set the Front Zone brightness for entry light
- Set the Rear Zone brightness for entry light
- Toggle Front Zone (ON/OFF)
- Toggle Rear Zone (ON/OFF)

Troubleshooting Guide

Symptom	Check
No illumination from interior light by the shifter	<ol style="list-style-type: none"> 1. Turn headlights ON. 2. Check and verify harness connection.
LitLED app doesn't connect to module	<ol style="list-style-type: none"> 1. Turn headlights ON/OFF. 2. Reboot the phone.
No illumination from interior ambient light, all sources	<ol style="list-style-type: none"> 1. Turn headlights ON. 2. Light is turned off in the app. 3. ECU internal temp 65C (149F) and needs to cool down. * will be displayed. 4. Check and verify harness connection
One or more (not all) light sources do not have the light	<ol style="list-style-type: none"> 1. Light is turned off in the app for one or more zones. 2. Check and verify fiber optics cable connection at ECU and Bezel. 3. Make sure fiber optic cable isn't bent more than 30mm radius.

 **WARNING**

DO NOT DISASSEMBLE OR ALTER THE MODULE

Doing so may result in an accident, fire, or electric shock.

USE ONLY SPECIFIED ACCESSORY PARTS

Use of other than specified parts may damage product internally.

FOLLOW THE OPERATIONAL AND INSTALLATION MANUALS

YOU SHOULD READ AND FAMILIARIZE YOURSELF THOROUGHLY WITH THE FOLLOWING INFORMATION PRIOR TO INSTALLING AND USING THIS UNIT. IN ADDITION, YOU MUST CAREFULLY READ AND FOLLOW THE INSTALLATION SCHEMATICS/INSTRUCTIONS FOR THE PRODUCT AND THE VEHICLE IN WHICH IT IS BEING INSTALLED. FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS MAY DAMAGE THE PRODUCT AND THE VEHICLE, WILL VOID THE PRODUCT WARRANTY, AND MAY VOID THE VEHICLE WARRANTY.

FCC WARNING

Contains FCC ID:2APD9-RSL10SIP

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.

Any changes or modifications not expressly approved by On Semiconductor could void the user's authority to operate the equipment.

LIABILITY DISCLAIMER

VAIS Technology can not be held liable for damages or injuries caused by, or resulting from use of this guide. Strictly adhere to all car manufacturer warnings that pertain to the disassembly, maintenance, or servicing of the vehicle and any of its associated part systems. VAIS Technology can not be responsible for discrepancies, or inconsistencies that may occur due to automobile manufacturing changes.

TROUBLESHOOTING

Should this product fail to operate properly, please contact your Dealer or our Customer Service Department at sales@vaistech.com

Some visual assets were provided by Vecteezy.com and Grabcad.com



Warranty is available for download: <https://www.vaistech.com/download/15244>

To request a paper warranty copy please contact us:

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8811 American Way
Unit 125
Englewood, CO 80112
720-733-2348
sales@vaistech.com



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