



INSTALLATION GUIDE

AlphaRex LXOS Bluetooth Module



LXOS2026001

FCC Statement

1.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.
(2)This device must accept any interference received, including interference that may cause undesired operation.

2.Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Note: 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.

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

ISED Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps..

Disclaimer : This installation article is a tutorial guide. By reading this article, you agree it is for reference only and AlphaRex USA and its distributors make no guarantee of the finished results. Under no circumstances whatsoever shall AlphaRex USA nor its distributors be liable for any damage, misuse or personal injuries. If you do not fully understand the installation procedure, it is highly recommended that you seek help from professional mechanics to do the installation.

OVERVIEW

IMPORTANT SAFETY WARNING

1. THE USE OF THE ALPHAREX GEAR APP SHOULD NOT BE USED WHILE DRIVING OR OPERATING A VEHICLE. A FULL COPY OF THE TERMS AND CONDITIONS OF USE CAN BE FOUND UPON REGISTRATION IN THE ALPHAREX GEAR APP.
2. THIS DEVICE IS INTENDED TO BE USED WITH ALPHAREX EXCLUSIVE DEVICES ONLY.
3. DO NOT DISASSEMBLE THE DEVICE. TOUCHING THE INTERNAL COMPONENTS OF THE PRODUCT MAY RESULT IN INJURY, DEVICE MALFUNCTION AND/OR VOIDED WARRANTY. IN CASE OF MALFUNCTION, CONTACT ALPHAREX FOR ASSISTANCE.

INTRODUCTION

Congratulations on your purchase of the AlphaRex App Controlled module! This module will allow you to change the different activation light styles (based on availability), the color of your daytime running lights (DRL), and your turn signal style from sequential to static either using the module itself or on the fly using your iOS/Android device. Welcome to the next evolution of Unrivalled Lighting, by AlphaRex.

SPECIFICATIONS

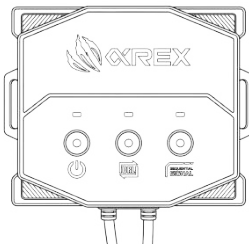
Model	AlphaRex Gear BT Module
Working Voltage	12V
Wireless Frequency Range	2.400GHz - 2.4835GHz
Operating Temperatures	0-85°C
Length (inch)	2.5
Width (inch)	3
Height (inch)	0.5
Weight	137g

INCLUDED IN THE BOX

- 1x AlphaRex Bluetooth Module
- 2x Control board for your Alpharex Gear (if not already pre-equipped)
- 2x Double sided tape
- 6x Zip ties

FEATURES

The AlphaRex App Controlled module is used to change certain features of your AlphaRex Gear by either controlling it on the module itself or via the AlphaRex Gear App.



ALPHAREX GEAR APP SCAN TO DOWNLOAD

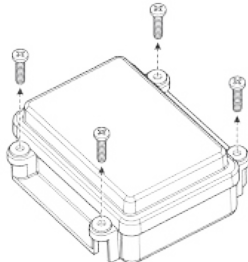


INSTALLATION

IMPORTANT NOTICE: Disconnect the positive terminal to your battery before installation!

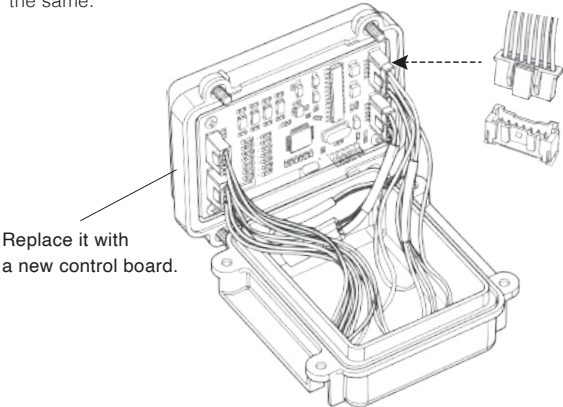
- **SAFETY NOTICE:** Disconnect the positive terminal to your battery before installation!
- **IMPORTANT NOTICE:** It is highly recommended that you install the DRL harness that came with your AlphaRex Headlights for full functionality
- **NOTE :** If your headlight is pre-equipped with the Bluetooth feature, your kit will not include new control boards. Locate the 4-pin plug located with the primary wiring bundle and skip to STEP 5.

- 1 | Locate the control board that is usually located at the bottom of each headlight. **NOTE :** You may need to remove the headlight from your car to access this control board.



- 2 | Remove the control board by using a Phillips (+) screw driver to remove the 4 screws.

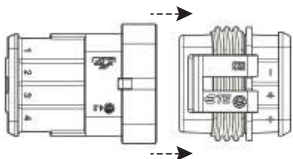
- 3 | Unplug all the existing connectors and transfer them to the new control board. Ensure that all the connectors are secured. **NOTE :** Do not use any dielectric grease, these connectors are meant to be attached directly! **NOTE :** The control board pictured is for reference only. Board and plug appearance may vary by model, but installation steps remain the same.



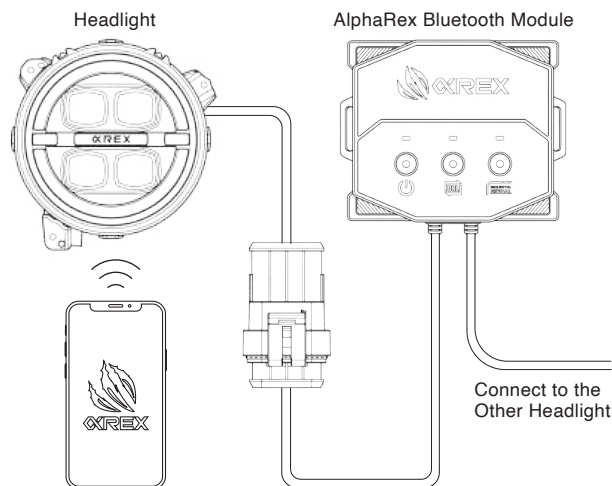
Replace it with a new control board.

4 | Secure the new control board to your headlight using the previously-removed screws.

5 | Remove the female dummy plug that is meant to protect the 4-pin plug on both headlights.



6 | Connect your Bluetooth module to each headlight. Do NOT use dielectric grease on the connectors.
NOTE : It is not side specific, choose which plug (longer/shorter wire) based on where you want to mount the Bluetooth module.



PRO TIP 1 : Do not fully assemble your vehicle until all testing is completed.
PRO TIP 2 : Save your original control board.

7 | Proceed to TESTING

8 | After testing is complete, reinstall all vehicle hardware and ensure all screws and mounting points are properly secured. Mount the AlphaRex Bluetooth module in a safe location away from moving components and heat sources such as the engine.

TESTING

HARDWARE TESTING

1. Turn your vehicle to the "on" position and make sure your vehicle's DRLs are on.
2. Push any of the 3 buttons on the Bluetooth control module and make sure the LED lights on.
3. Know your buttons:
 - a. Left button controls the Activation Light.
 - b. Middle button controls the DRL color (white/amber)
 - c. Right button controls the turn signals (non-sequential/sequential)
4. Test each of the buttons. Single press any button to preview current setting, then long press to change.

SOFTWARE TESTING

1. Download the AlphaRex Gear app.
2. Register your account with AlphaRex and follow the instructions on the app.

TROUBLESHOOTING GUIDE

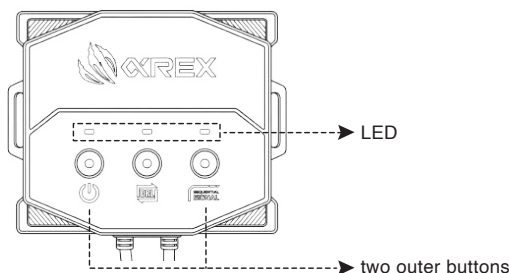
Before You Begin

Please verify the following before proceeding with troubleshooting :

- The AlphaRex DRL harness is properly installed.
- The **upgraded control board** is properly installed and securely connected to your headlights.
- The **headlights are connected** and receiving power when the vehicle ignition is in the **ON** position.
- The **Bluetooth module is receiving power** when the vehicle is **ON**.
 - To confirm, press any of the three physical buttons on the Bluetooth module and check:
 - Whether the LEDs on the Bluetooth module illuminate, **and/or**
 - Whether there is any functional changes in the headlight behavior, such as activation light, DRL color, and/or sequential turn signal.

Resetting the Bluetooth Connection

1. Turn the vehicle **ON** and confirm that the headlights are receiving power.
2. Confirm that the Bluetooth module is receiving power.
3. Press and hold the **two outer buttons** on the Bluetooth module (shown below) **simultaneously for ~3 seconds**.
4. Release the buttons once the **three green LEDs begin flashing**.
5. Turn your vehicle **OFF**.
6. Turn the vehicle back **ON**.
7. Restart the AlphaRex Gear app and select **"Add Your Gear."**



Troubleshooting / Help

Problem 1

Headlights and Bluetooth module are not working.

Solution :

1. Turn the vehicle **OFF**.
2. Verify that the upgraded control board is properly installed on **both headlights**.
3. Ensure the Bluetooth module is securely connected.
4. Turn the vehicle ignition **ON** or start the engine and recheck operation.

Problem 2

Headlights are on, but the Bluetooth module is not receiving power.

Solution :

- Check all connections between the headlight control board and the Bluetooth module.
- **Do NOT use dielectric grease** on any connectors, as it may interfere with proper electrical contact.

Problem 3

Headlights and Bluetooth module are powered on, but Bluetooth connection cannot be established.

Solution :

Follow the steps below in order:

1. Bluetooth connection must be made using the **AlphaRex Gear app** on an iOS or Android device.
2. With the vehicle **ON**, reset the Bluetooth module by pressing and holdin the **two outer buttons** (Activation Light and Sequential Light Control buttons) for **at least 3 seconds**, until all **three green LEDs begin flashing**.
3. Release the buttons and turn the vehicle **OFF**.
4. Fully close the AlphaRex Gear app on your mobile device. **Note :** The app must be completely closed, not running in the background.
5. Turn the vehicle **ON** again.
6. Open the AlphaRex Gear app and attempt to **"Add Your Gear"** once more.

Problem 4

Bluetooth module has power, headlights are on, vehicle is on, but the incorrect light appears when adding gear.

Solution :

1. Select **"Manual Connect"** in the AlphaRex Gear app.
2. Choose the correct category of your gear:
 - Headlight
 - Tail Light
 - Lighting Accessories
 - Fog Light
3. Select the **Make** of your vehicle from the drop-down menu.
4. Choose your **vehicle model** from the list.
5. Press "Save" and "Confirm" to connect.

LIMITED WARRANTY :

Warranties cover defects in design and manufacturing only. Warranties do not cover, among other things: installation errors, expenses related to installation and labor, vehicle down time, wear and tear, acts of God, misuse, abuse, neglect, accidents, collisions, defects due to custom specifications provided by you, or any product modifications, configurations or combinations not performed by us or on our behalf.

AlphaRex's 2 years manufacturer warranty periods start on the date of purchase. You must be the original owner with proof of purchase upon claim.

To learn more about AlphaRex's warranty policy, please visit <https://alpharexusa.com/pages/return-exchange-policy>.

PRIVACY POLICY :

We know you care about your personal information and how it's used and shared and we take your privacy seriously. A full copy of our Privacy Policy is available via the AlphaRex Gear app.

SUPPORT :

If you encounter any issues, please reach out to AlphaRex's support team.

Visit our website for support information.

<https://alpharexusa.com>

Send email inquiries to:

info@alpharexusa.com