

SCAN QR CODE BELOW FOR INSTRUCTIONS



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[Written Manual](#)

Or please visit our website's installation tab at www.levelrideairsuspension.com/installation

BELOW IS AN OVERVIEW OF THE FULL MANUAL

PLEASE REVIEW THE WRITTEN MANUAL, AS IT IS FAR MORE DETAILED

Please note wiring instructions of the harness can be found on the written manual in full detail

ALL OUR FEATURES MUST BE CONNECTED TO OPERATE CORRECTLY

INCLUDING THE VALET BUTTON, BRAKE WIRE CONNECTION, AND COMPRESSOR RELAY DRIVE MUST BE INSTALLED FOR THE SYSTEM TO OPERATE CORRECTLY.

ECU is not waterproof, mount it in a dry location inside the vehicle, and never under or in a location exposed to the elements.

The ECU is Bluetooth when using our controller or app, placing the ECU in a box, will limit its range and responsiveness. We recommend the ECU is mounted inside the car as many cars are heavily insulated, this too will restrict the range. Extension harnesses are available up to 10ft. The ECU cover is plastic, don't apply direct force to the cover when pushing on the wiring harness connectors as it will break. Hold the ECU on the top and bottom edges when pushing on the connectors.

Don't mount ECU powered up or unpowered within 24" of magnets found in speakers, stereo amplifiers, between compressors, electric window or seat motors including convertible top motors,

Magnets will permanently damage the Bluetooth aerial, causing connection issues which isn't covered by the warranty. Don't mount ECU inside a box lined with any sound deadener or steel, all these will affect the Bluetooth aerial range. The ECU MUST BE MOUNTED inside the trunk or under the seats, in trucks mount inside the cab. If your trunk is fully lined with sound deadener you need to relocate the ECU inside the car.

Your new iOS/Android ECU will likely need an update when you first connect to it. You can find this at the bottom of the settings page and takes approximately 15 mins.

The touch screen controller if ordered comes with its own charging cord, take it out first and place it on charge. Do not fully discharge it over and over this will deplete the battery and is not covered by the warranty.

To charge it you require a 3.1amp charger, charge times vary but fully depleted it may take up to 4 hours to fully charge at 3.1amps. Keep battery charged and keep out of heat, do not leave the controller always turned

on, turn off when not in use and recharge, remove it when fully charged. Turn Wi-Fi OFF once registered.
Android version in the Google Play store, iOS in the Appstore

All pressure sensors for bags and tank pressure sensors must face plug wire UP. This is to prevent water gathering inside of them. A particle trap must be fitted between the tank and manifold. Drain tap must be fitted to the tank at the lowest point and water released weekly.

Do not apply direct stream of water or a pressure washer to them, they are splash proof not waterproof. Mount them away from any direct water contact. For vehicles in subzero climates, you can spray the connectors with a sealant to prevent ice getting in.

Do not use a shared power supply for the 12v Red for the ECU main power; it must go directly to the battery with its own wire. Voltage drops from shared power other than cars battery WILL cause issues.

Grounds are very important; the body or frame of your car isn't a guaranteed ground.

We recommend running a ground wire from your battery to a power post where the components will be mounted.

Check Voltage with vehicle at idle with all cars component's running including aftermarket audio, AC, Lights etc., Check that you maintain 12.6 volts at engine idle with compressors running as well as heater lights and radiator fans if installed. Less than this and you may see operational issues. Check the voltage out from the relay to compressor is 12.6volts. Modern cars should be able to maintain 14.8V when everything is running.

There is a voltage meter on the top of main screen showing you what the ECU is seeing which will not always be the same as checking it at the battery as you drop voltage going front to rear. Improper grounding will affect this also.

Level Ride shuts down power to the compressors when voltage supply drops below 11.5 volts. We use Auto Tech Engineering in CA for all our high output alternators, a good investment in any upgrade along with new grounds and power posts.

If your using individual valves with high amp draw you will need to install a 10amp relay for each valve as the older style draw individual valves draw higher amps, this will be evident when using them and you see a voltage drop on the screen of 2V which indicates a 12 amp draw on the system, it is then you will need to use relays to switch the valves.

You must use our tank pressure switch and yellow trigger wire to control your compressors, the system will not function if you bypass this. If you have an engine driven compressor you will need a 20amp de latching style relay to switch the clutch. Removing the pressure switch from the system after calibration and installing a different range pressure may affect operation and message codes, if you must bypass our sensor the one you replace it with must match ours for ON/OFF settings, 130/150 –140-175 & 160-200.

Run all height sensor cabling under car and away from any magnets or power cables, Same for bag pressure sensors and tank pressure sensor harness, all operate from 0.5v to 4.5v so are sensitive to other electrical components.

Please check all contents of your kit, if you feel anything is missing you must raise it within 48 hours of receiving it to make a claim for lost or damaged goods. If purchased from a dealer, contact them first. Our YouTube page has an unpacking video showing what's in the box.

Kits that have been fitted cannot be returned for refund, there is 15% restocking fee on all kits, No refunds after 30 days of receipt of goods.

For Tech help you can chat with us for help on Instagram or our Facebook page both named Level Ride Air Suspension. Warranty for ECU is for the duration of the original owner and the rest of the components is 12 months from receipt of goods, incorrect fitment is not covered by warranty.