

Installation And Testing Guide

Quick Reference Install Guide

- 1** If you have not already, visit omegacarlink.com and register as a CarLink dealer for access to install testing and configuration tools. Sooner is better since registrations are processed manually and are not instant.
- 2** Keep track of the SIM/ICC ID number located on the card included with this system. It is needed to test / activate the device later.
- 3** Choose a discreet yet ideal mounting location for the module. This is a cellular device with GPS and performance is dependant on cellular signal strength and clear view of the horizon. Mount the module flat with the label facing the sky.
- 4** Route wiring from the mounting location and make all necessary wiring connections - SEE "CONNECTING THE DEVICE" ON PAGE 2.
- 5** After a few minutes, check the indicator lights to make sure the unit has cellular service and GPS signal - SEE "CHECKING THE INDICATOR LIGHTS" ON PAGE 6.
- 6** Login into your dealer account at omegacarlink.com to activate the device, configure the installed options, and perform the installation test. Be sure to have the SIM/ICC ID number available.
- 7** Complete the installation by reassembling the vehicle's interior.
- 8** **IMPORTANT:** Be sure to give the activation code and app info to the vehicle's owner. For more info, see the dealer portal guide by logging in to your dealer account at omegacarlink.com.

Detailed instructions continued on following pages ->

Step 1: Determine a mounting location

Find a discreet and secure mounting location for the module. Make sure the module is free from moisture, excessive heat, direct sunlight, or moving vehicle parts.

- The large white sticker must be facing towards the sky
- There cannot be any metal between the module and the sky
- Mount as high in the dash as possible
- Mount at least 12 inches away from the radio and speakers. The cellular portion of this device could cause radio interference.
- DO NOT SECURE THE DEVICE YET

Step 2a: Connect the device - SERIAL (typical install)

This device is initially configured to operate as a simple plug-in upgrade to compatible Omega systems. Any Omega system that supports the iDatalink/ADS data protocol also supports CarLink as a plug-in upgrade. This includes all BLADE compatible systems (be sure the system is updated to the latest firmware).

GREEN & YELLOW Auxiliary output wires (optional):

These are a negative pulse 250mA outputs (add a relay if necessary) configurable for many applications. During the install test on the omegacarlink.com website, you can configure these outputs for a 1, 3, or 10 second pulse AND you can assign each of them to any one of the two AUX icons in the phone app.

WHITE +12v Ignition input wire (required):

This is an ignition input wire to the device. It must be connected to an ignition +12V source. This can be found in the ignition switch harness or at a fuseblock. Be certain that this wire has +12V with the ignition key is in the ON positions.

GREEN 4-pin data connector:

STEP 1: Before connecting this to the host system's data port, be sure that the host system is programmed for "iDatalink/ADS protocol". See the system's programmable features for more information. BLADE systems will automatically switch to the iDatalink/ADS protocol when a BLADE cartridge is inserted.

STEP 2: Connect the data connector to the host system and wait for the indicator lights to show proper connectivity (see "Check indicator lights" on page 6). Make sure the vehicle is outside with a clear view of the sky and the ignition is "ON". This will ensure the quickest initial GPS lock and the best cell coverage.

STEP 3: Activate the host system's remote start function with the original remote. This will synchronize the start/stop functions of the CarLink system for proper operation. You don't have to allow the remote start to completely start. You can simply activate it then shut it down within a few seconds.

Step 2b: Connect the device - ANALOG

This system can be installed as a stand-alone system or to control analog activation inputs on an older host system that does not support the iDatalink/ADS protocol for CarLink. To be connected this way, you will need to cut off the GREEN 4-pin data connector.

NOTE: As an analog system, it cannot report alarm violations but it will still give 2-way confirmations for all control functions and GPS based alerts.

BLACK Ground wire (required):

This provides chassis ground to the device. It should be connected directly to the metal structure of the vehicle. Strip the end of the wire and crimp on the supplied ring terminal. Route this wire to a solid grounding point, like an existing bolt in the vehicle and securely ground the wire.

RED Constant power wire (required):

This is the power supply wire to the device. It must be connected to a FUSED constant +12V source. This can be found in the ignition switch harness, a fuseblock, or at the vehicle's battery. Be certain that this wire has +12V under all circumstances and when the ignition key is in the ON and OFF positions.

WHITE +12v Ignition input wire (required):

This is an ignition input wire to the device. It must be connected to an ignition +12V source. This can be found in the ignition switch harness or at a fuseblock. Be certain that this wire has +12V with the ignition key is in the ON positions.

GREEN, YELLOW, & BROWN Auxiliary output wires (optional):

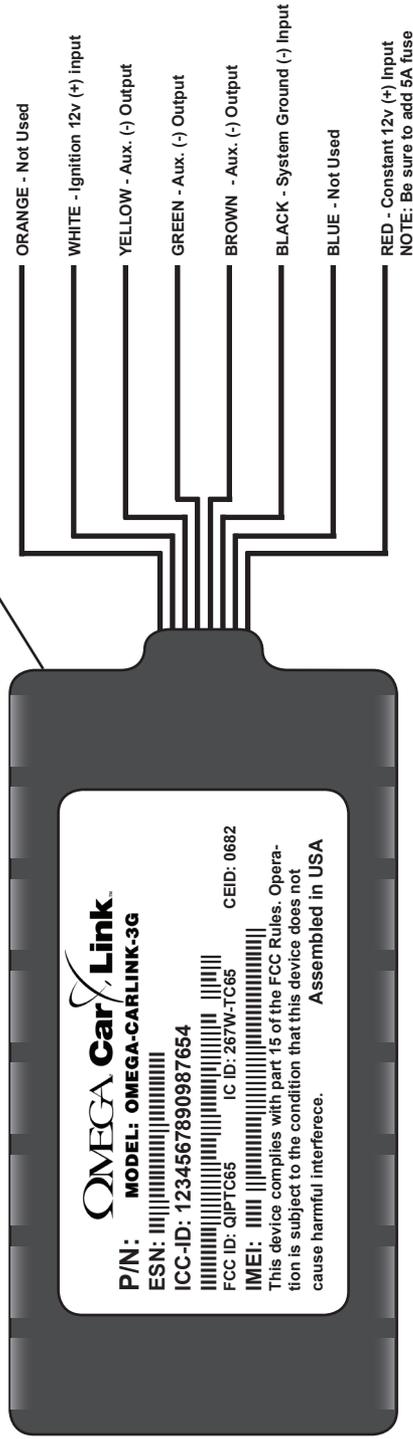
These are a negative pulse 250mA outputs (add a relay if necessary) configurable for many applications. During the install test on the omegacarlink.com website, you can configure these outputs for a 1, 3, or 10 second pulse AND you can assign each of them to any one of the 6 function icons in the phone app.

BLUE: NOT USED

ORANGE: NOT USED

Omega CarLink-3G Wiring Overview - ANALOG Connection

Indicator lights



Connecting Directly To Omegalink Module w/ RS Firmware

Connect the Carlink AUX outputs to these inputs and program the outputs for "1 second pulse" in the installation details during activation/configuration.

Remote Start Activation (-) Input - RED/WHITE
 Lock (-) Input - BROWN
 Unlock (-) Input - PURPLE/YELLOW



Visit www.omegaweblink.com/rs for more info and current vehicle applications.

Step 4: Check the indicator lights

Locate the indicator lights on the end of the module. They are next to the main harness. After powering up the device, you will notice the GREEN and ORANGE indicator lights will flash then eventually turn on solid. Solid lights indicate proper connectivity and you can proceed to the installation test.

GREEN light (GPS status):

-  **Off:** GPS Off.
-  **Slow Blinking:** GPS On
-  **Fast Blinking:** GPS Time Sync
-  **Solid:** GPS Fix

ORANGE light (cellular connectivity):

-  **Off:** The cellular radio is OFF.
-  **Slow Blinking:** The device is searching for the cellular network.
-  **Fast Blinking:** The device has found cellular service and is waiting to register to the network.
-  **Solid w/ Fast Blinking every 1 second:** The device is registered to the cellular network but is awaiting acknowledgement.
-  **Solid:** Cellular service has been found with good signal strength and the device is connected to the network with acknowledgement.

Step 5: Test installation and activation

1. Make sure you have the “Quick Reference Guide” with you and login to your dealer account at www.omegacarlink.com. You will need the ICC ID (aka SIM Number) to activate the device for testing. This is located on the label affixed to the “Quick Reference Guide” as well as on the module label.
2. Once you are logged in, click “Install or Diagnose” and follow the easy on-screen instructions. You will also see a link for the “Dealer Portal Guide” which gives you step by step instructions and additional info if needed.
3. Upon completing the installation tests successfully, you will be given a 4 digit Passcode for the vehicle owner to activate their device. **WRITE THE PASSCODE IN THE SPACE PROVIDED ON THE QUICK REFERENCE GUIDE.** You can also send the passcode to the vehicle owner by email or SMS text message.
4. If you know the phone number and carrier of the vehicle owner’s smart-phone, you can push the mobile app to their phone via SMS text. Or, the vehicle owner can find the app in their phone’s app store/marketplace.

Step 6: Complete the installation

After successfully completing the installation configuration and test, securely mount the module in the selected location with tie straps, high grade hook & loop tape, or any other reliable mounting method, and reassemble the vehicle’s interior.

BE SURE TO GIVE THE QUICK REFERENCE GUIDE TO THE VEHICLE OWNER. THEY CANNOT ACTIVATE OR USE THE DEVICE WITHOUT THE ICC ID AND PIN.

Useful Information

CarLink

Login Website: www.OmegaCarLink.com

Omega Research & Development, Inc.

Corporate Website: www.CarAlarm.com

Corporate Phone: 800-554-4053

Tech Support Phone: 800-921-TECH (8324)

Dealer Tech Support Web: www.WireSheet.com

