

Installation And Testing Guide

ENGLISH / INGLÉS

Quick Reference Install Guide

- 1** Visit www.omegacarlink.com/SMS/ and download the device setup utility. It allows you to install the USB adapter's driver and configure the device's outputs for your installation.
- 2** Install the customer's SIM card into the device. Make sure the SIM card is activated and you have its phone number.
- 3** Connect the CARLINK-SMS to the USB adapter and configure the outputs and testing information using the configuration utility. **WRITE DOWN THE CONFIGURATION CODE** on the back of this guide to give to the vehicle owner.
- 4** 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.
- 5** Route wiring from the mounting location and make all necessary wiring connections - SEE "CONNECTING THE DEVICE" ON PAGE 4.
- 6** After a few minutes, check the indicator lights to make sure the unit has cellular service and GPS signal - SEE PAGE 6.
- 7** Using any mobile phone, test your installation for proper functions. SEE "INSTALLATION TEST" ON PAGE 6.
- 8** Complete the installation by reassembling the vehicle's interior.

IMPORTANT: Be sure to give the configuration code and app info to the vehicle's owner.

Detailed instructions continued on following pages ->

Step 1: Configure the device by computer

Use this method if you do not have a smartphone with the CarLink-SMS app installed or you wish to configure several devices at once. If you plan to configure and test the device from a smartphone, skip to Step 2.

Download The Setup Utility

Before you can install the device, you must configure the outputs to match the desired functions. This is done on a Windows PC using the included USB adapter cable. You'll need to download the Carlink-SMS Setup Utility from www.OmegaCarlink.com/SMS/ then install the setup utility and the USB driver. Installation instructions are on the web page.

Requirements:

- Windows XP, or Windows 7 (32 or 64 bit)
- Available USB port (be sure other USB serial devices are disconnected)

NOTE: DO NOT CONNECT THE USB CABLE TO THE COMPUTER UNTIL AFTER THE SOFTWARE IS INSTALLED.

Configure The Device's Outputs

Once the setup utility is installed and functioning, you can connect the device to the USB port (make sure the SIM card is not installed) and configure the outputs to match desired functions. The smartphone app offers several functions to the user.

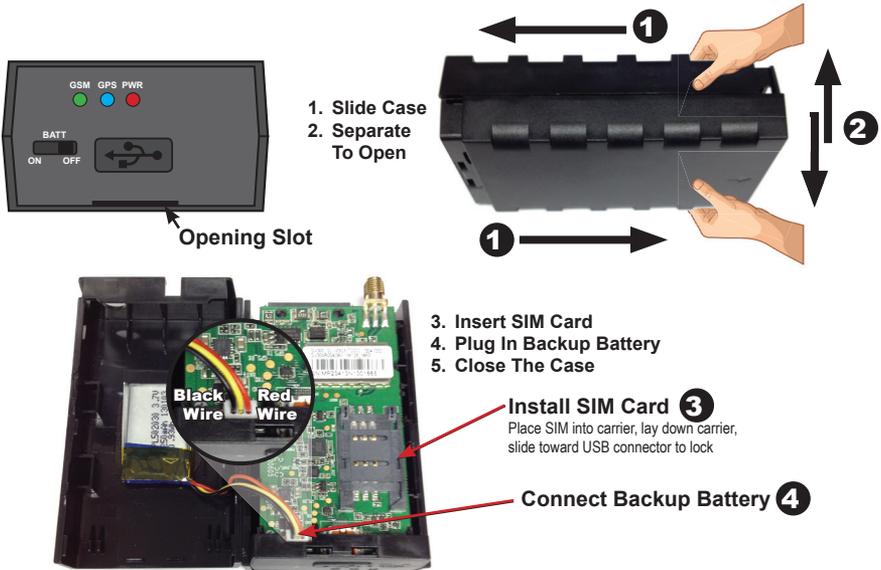
- Make sure the backup battery switch is set to the OFF position before configuring the device.
- Any function can be assigned to the device's outputs. Keep in mind that the device only has 3 outputs.
- Each output can be configured for different pulse lengths for each function.
- Any functions, other than LOCK & UNLOCK, that are left "disabled" will not be available in the smartphone app.
- If LOCK is "disabled" it will still allow the activation of the SECURITY FENCE alert feature.
- If UNLOCK is "disabled" it will still allow the deactivation of the SECURITY FENCE alert feature.
- Installation testing is performed from any mobile phone capable of text messaging. A smartphone is not required. **So, be certain to enter the phone number of the test phone in the "Installer Mobile Number" field BEFORE clicking "Save Settings/Get Code" button.**

YOU MUST WRITE DOWN THE CONFIGURATION CODE FOR THE VEHICLE OWNER OR THEY WILL NOT BE ABLE TO PROPERLY SETUP THEIR PHONE APP.

Step 2: Install a SIM card & connect the backup battery

A GSM SIM CARD IS REQUIRED & MUST BE ACTIVATED WITH A WORKING PHONE NUMBER & TEXT MESSAGING PLAN

The device should be partially opened. If not, insert a small flat tool in the slot at the edge of the case just below the USB port and gently pry down. Looking at the USB port, the bottom half of the case should slide away from you about 1/4 inch and you should be able to separate the 2 halves of the case.



Step 3: 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 UNTIL TESTING IS COMPLETE

Step 4: Connect the device

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.

Step 4: Connect the device (cont'd)

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.

YELLOW +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 in the ON position.

GREEN (-) output wire (optional):

This is a negative pulse 250mA output (add a relay if necessary) configurable for many applications. It's primary function is for LOCK but can be assigned to most of the other functions if desired.

BLUE (-) output wire (optional):

This is a negative pulse 250mA output (add a relay if necessary) configurable for many applications. It's primary function is for UNLOCK but can be assigned to most of the other functions if desired.

ORANGE (-) output wire (optional):

This is a negative pulse 500mA output (add a relay if necessary) configurable for many applications. It's primary function is for ENGINE DISABLE but can be assigned to other functions if ENGINE DISABLE is not used.

BROWN/WHITE (-) pulsed alarm trigger input wire (optional):

This input will send a VEHICLE ALARM notification to the user's phone when it detects 7 negative pulses within 10 seconds. Connect this to the alarm's horn honk output or flashing light output.

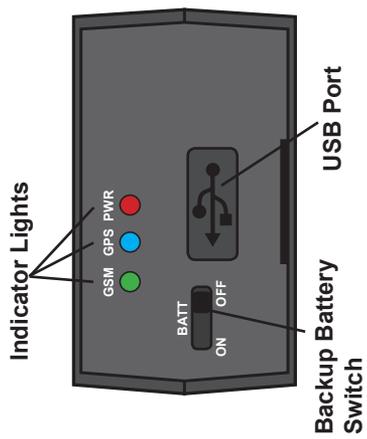
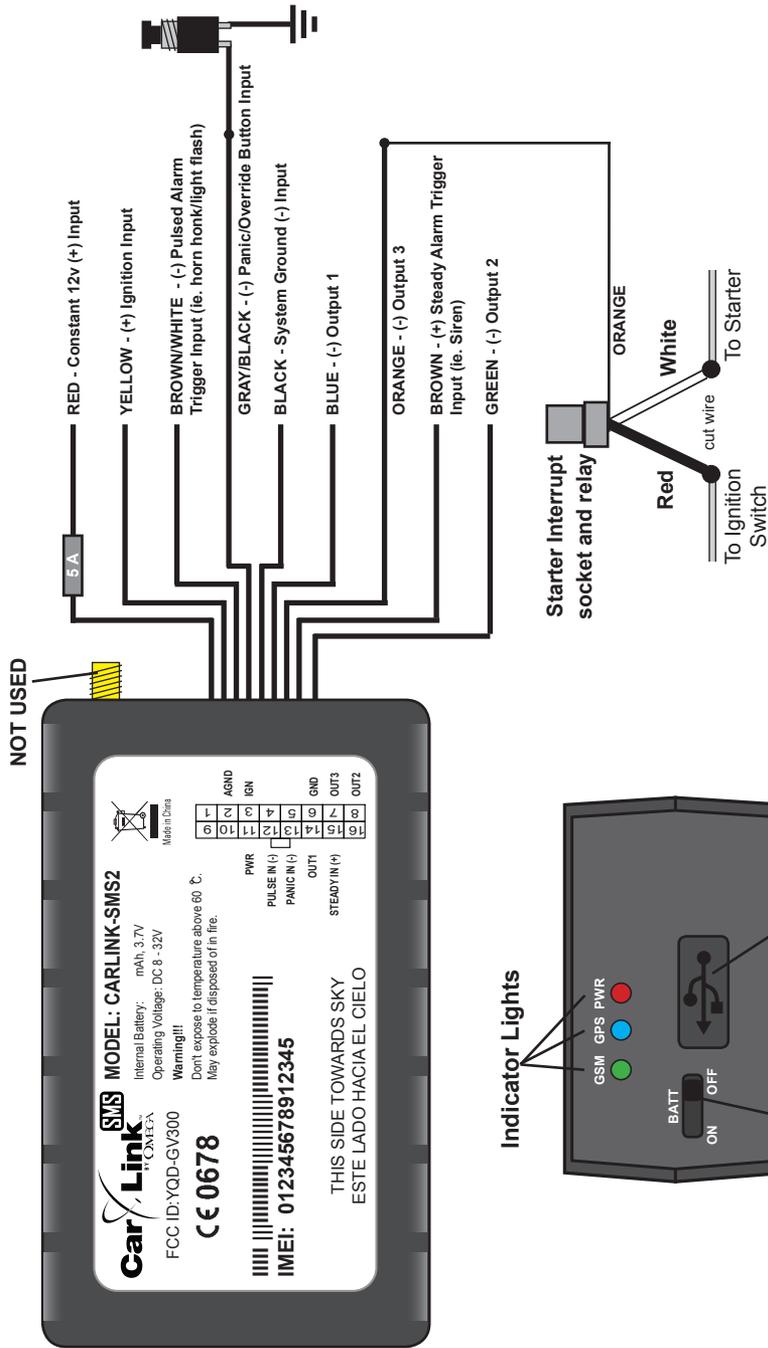
BROWN (+) steady alarm trigger input wire (optional):

This input will send a VEHICLE ALARM notification to the user's phone when it detects positive voltage (>5vDC) for 7 seconds continuously. Connect this to the alarm's positive siren output.

GRAY/BLACK (-) panic button/valet input wire (optional):

This input will send a PANIC notification to the user's phone when it detects a negative input for 3 seconds. It can also be used to turn off the ENGINE DISABLE feature if the device cannot be reached from the smartphone app. Connect this to the included push-button valet switch. Connect the other wire of the valet switch to chassis ground.

CarLink-SMS2 Wiring Overview



Step 5: 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, allow a few minutes to get the proper indicators. Make sure the vehicle is out in the open so the module has a clear view to the sky.

LED	ON	Fast Flashing	Slow Flashing	OFF
GSM	SIM is locked	Searching GSM network	Connected to GSM network	-
GPS	GPS connected	Searching for GPS	GPS data error	GPS is off
PWR	Power connected, internal battery is charged	Power connected, internal battery is charging	Power is not connected, internal battery is below 3.5v	No Power

NOTE: The LED's will automatically turn off 30 minutes after power on.

Step 6a: Test the device - Using a smartphone

You can configure & test the device from the CarLink-SMS smartphone APP, eliminating the need for a computer. Use the instructions on the included "Quick Setup & Test Guide".

Step 6b: Test the device - Using any mobile phone

Once the device has proper GSM and GPS connectivity, it will send a "heartbeat" message to the installer's mobile number entered in the setup utility to indicate everything is working properly and that it is ready to test. As long as the device password is still default as "omega", you can send single digit text messages to the device to test the outputs. Refer to the table below:

Text Message	Function	Proper Response
1	LOCK	The vehicle's doors will lock
2	UNLOCK	The vehicle's doors will unlock
3	TRUNK	The trunk will open
4	START / STOP	Remote start will activate/deactivate
5	ENGINE DISABLE / ENABLE	The engine will disable/enable
6	AUX 1	Aux 1 output will activate
7	AUX 2	Aux 2 output will activate
8	LOCATE	The device will reply with a link for the vehicle's location using Google Maps™ mapping service.
9	ERASE INSTALLER MOBILE NUMBER	Send this only once you are satisfied with all function tests.

If any functions fail or you do not receive responses from the device, check the wiring, confirm the configuration code with the setup utility, or you may have to reset the device's to factory defaults using the PC setup utility.

Step 7: 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 DEVICE'S PHONE NUMBER & CONFIGURATION CODE TO THE VEHICLE OWNER. THEY CANNOT ACTIVATE OR USE THE DEVICE WITHOUT THESE. WRITE THEM ON THE BACK OF THIS GUIDE AND GIVE THE PAGE TO THE VEHICLE OWNER.

Useful Information

CarLink

Download manuals & the setup utility: www.OmegaCarLink.com/SMS/

Omega Research & Development Technologies, Inc.

Corporate Website: www.CarAlarm.com

Corporate Phone: 800-554-4053

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

Tech Support Web: www.WireSheet.com



Download manuals: www.OmegaCarLink.com/SMS/

Your Carlink's Mobile Number: _____

Your Carlink's Configuration Code: _____

(NOTE: All "0" characters are the number zero)

Default Passcode: omega

Omega Research & Development
Corporate Website: www.CarAlarm.com
Corporate Phone: 800-554-4053

