

## Installation And Testing Guide

(ENGLISH / INGLÉS)

### Quick Reference - Install Overview

- 1** Download the Linkr app to your smartphone.  
Search 'omega linkr' in your app store - iphone & android only.
- 2** Install the customer's activated SIM card into the device and make note of its phone number.
- 3** Mount the Linkr module with the label facing the sky.  
There cannot be metal between the module and sky.
- 4** Make all necessary wiring connections  
See "Connecting the device" on page 4 for details.
- 5** After 2-5 minutes, check the indicator lights to make sure the unit has cellular service and GPS signal  
See page 6 for LED status definitions
- 6** Add the device to your Linkr app to configure & test.  
See "Testing the device" on page 6.
- 7** Write the configuration code & device info on the back cover of this manual and give it to the vehicle's owner.

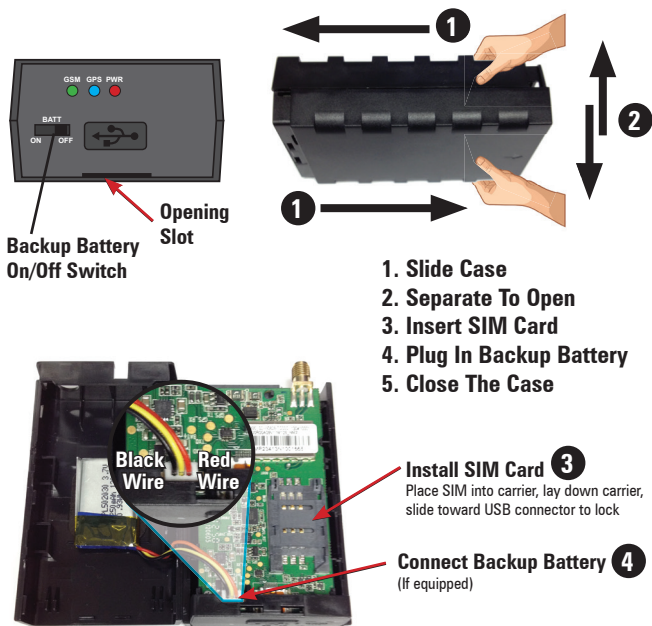
Detailed instructions on the following pages >

WIRE DIAGRAM LOCATED IN  
THE CENTER OF THIS  
MANUAL (p.6)

## Step 1: Install 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 2: 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 & speakers. The cellular portion of this device could cause radio interference.
- **DO NOT SECURE THE DEVICE UNTIL TESTING IS COMPLETE**

## Step 3a: Connect The Device - Serial / Data Port Installation

**NOTE: IF YOU ARE NOT CONNECTING TO A DATA PORT AND  
HARDWIRING ALL CONNECTIONS, SKIP TO STEP 3B**

### **BLACK 4-Pin Serial Data Connector (required):** **Plug-N-Play**

This allows for a quick plug-in installation when used with a compatible Omega security or remote start system. Plug this into the matching port on the host system and program the data port for iDataLink protocol. Power and Ground are provided by the data port.

### **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 is in the ON position.

### **BLUE (-) output #1 wire (optional):**

This is a negative pulse 150mA output (add a relay if necessary) configurable for 0.8 second or 10 second pulse. It can be assigned to most command buttons in the Linkr app.

## Step 3a: Connect The Device - Data Port (cont'd)

### **GREEN (-) output #2 wire (optional):**

This is a negative pulse 150mA output (add a relay if necessary) configurable for 0.8 second or 10 second pulse. It can be assigned to most command buttons in the Linkr app.

### **ORANGE (-) output #3 wire (optional):**

This is a negative pulse 150mA output (add a relay if necessary). It's primary function is for ENGINE DISABLE but can be assigned to other command buttons in the Linkr app if desired.

### **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.

**NOTE:** *Omega security systems will send alarm trigger status on the data port, in which case, this wire is not connected.*

### **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.

**NOTE:** *Omega security systems will send alarm trigger status on the data port, in which case, this wire is not connected.*

### **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.

## Step 3b: Connect The Device - Hard Wire Installation

***NOTE: YOU MUST CUT OFF THE BLACK 4-PIN CONNECTOR TO HARDWIRE POWER & GROUND CONNECTIONS***

### **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 +12v 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 is in the ON position.

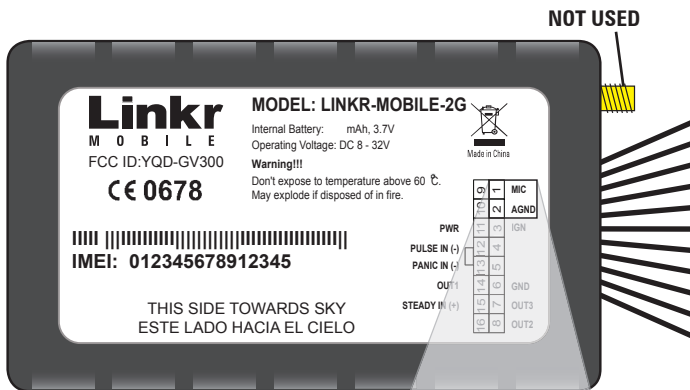
### **BLUE (-) output #1 wire (optional):**

This is a negative pulse 150mA output (add a relay if necessary) configurable for 0.8 second or 10 second pulse. It can be assigned to most command buttons in the Linkr app.

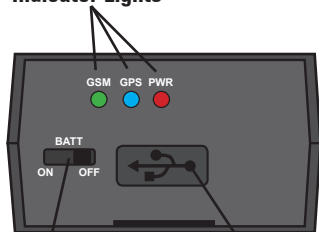
### **GREEN (-) output #2 wire (optional):**

This is a negative pulse 150mA output (add a relay if necessary) configurable for 0.8 second or 10 second pulse. It can be assigned to most command buttons in the Linkr app.

# Linkr-Mobile-2G Wiring Overview



## Indicator Lights



**Backup Battery\***  
**On/Off Switch**

**USB Port**  
(for update by PC)

## Upgrade Available

Our optional cabin microphone allows the owner to call the device and listen to what's happening in the vehicle. See page 8 for more info.

**P/N: LINKR-MIC**

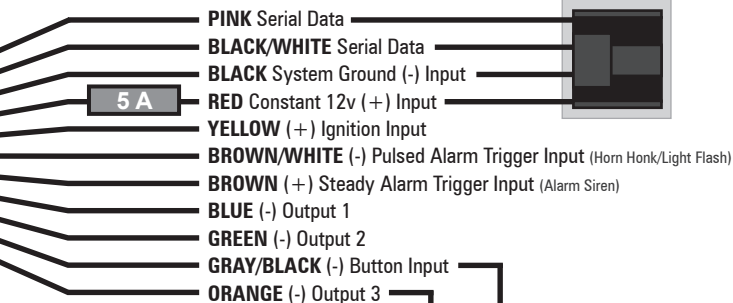
(may not be available on some versions)

\*backup battery unavailable on some versions

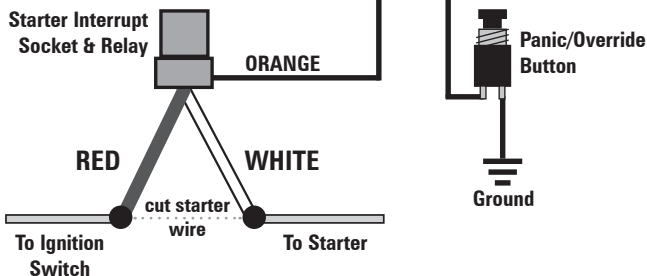
### **Black 4-Pin Data Port Connector**

**Serial data installation:** Program host system for iDatalink protocol and connect this to the system's matching data port.

**Hardwire installation:** Cut and remove connector from harness.



### **TYPICAL INSTALLATION**



## Step 3b: Connect The Device - Hard Wire (cont'd)

### **ORANGE (-) output #3 wire (optional):**

This is a negative pulse 150mA output (add a relay if necessary). It's primary function is for ENGINE DISABLE but can be assigned to other command buttons in the Linkr app if desired.

### **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.

### **PINK serial data wire (DO NOT CONNECT):**

This wire has no function in a hardwire installation.

### **BLACK/WHITE serial data wire (DO NOT CONNECT):**

This wire has no function in a hardwire installation.

## Optional Cabin Microphone

Part # LINKR-MIC can be added to this system and allows the user to listen to what's happening inside of the vehicle by calling it. The system will only answer calls from alert receivers programmed in the app. This feature requires that the SIM card have a voice plan activated.



## Using Linkr To Monitor A Home / Building Alarm

Linkr can be installed for direct monitoring of any building alarm. It can alert the user of any alarm trigger condition and can control quick arm & disarm functions if the alarm panel supports it.

### **BLACK ground wire (required):**

Connect to the alarm panel (-)12v DC source.

### **RED +12v constant power wire (required):**

Connect to the alarm panel (+)12v DC source.

### **BLUE, GREEN, & ORANGE (-) output wires (optional):**

Typically, you will need to wire relays to connect/disconnect the key input terminals (aka 'key zone') on the panel. In most cases, resistors are required. See the panel instructions for more info.

### **BROWN (+) & BROWN/WHITE (-) alarm trigger input wires:**

If the siren/bell output is constant when triggered, use the BROWN wire. If the output is pulsed, use the BROWN/WHITE wire. Be sure the polarity matches, convert with a relay as needed.

## Step 4: Check The Status Indicator Lights

After powering the device, turn on the vehicle ignition and 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.

Indicator Lights →



LED	ON	Fast Flashing	Slow Flashing	OFF
<b>GSM</b> (green)	SIM is locked	Searching GSM network	<b>Connected to GSM network</b>	-
<b>GPS</b> (blue)	<b>GPS connected</b>	Searching for GPS	GPS data error	GPS is off
<b>PWR</b> (red)	<b>Power connected &amp; battery is charged</b>	Power connected, internal battery is charging	Power is not connected, internal battery is below 3.5v	No Power

## Step 4: Test The Device

- 1** Install the Linkr app on your smartphone (iPhone or Android only)
- 2** Press “add” on the home page
- 3** Press the edit button next to the configuration code field to set the output functions.
- 4** Enter the device name & mobile phone number
- 5** Do not add any other information and press “Save”. You should receive a text message from the device confirming that settings have been updated.
- 6** Use the command screen to test all connected functions.
- 7** When the test is successful, you can delete the device from your app.
- 8** Write the device info, configuration code, and place the space device label on the back page of this manual. Give it to the vehicle owner.

### ABOUT INSTALLER TEST MODE:

The Linkr device will remain in installer test mode until the ‘primary alert receiver’ is added by the end user. Once a ‘primary alert receiver’ number is saved, the device will only accept settings changes from that phone number.

### APP INSTRUCTIONS:

The Linkr app has a “help” button in the upper corner of every screen. Press this to view full user instructions for the app and system.



## User Device Activation

- 1 Install the Linkr app on your smartphone.  
*search "Omega Linkr" in the app store.*
- 2 Press "Add" on the home page
- 3 Enter the following required information:  
**Configuration Code:** \_\_\_\_\_  
**Device Name:** Use any name you'd like.  
**Device Mobile Number:** \_\_\_\_\_  
**Alert Primary Receiver:** This is the phone number of the primary user. This user has full permissions to change settings and is the only phone that can change the primary receiver later.
- 4 Press "Save". You will receive a text message from the device confirming that settings have been updated.



Available on the  
**App Store**

ANDROID APP ON  
**Google play**