Linkr M1 MOBILE

USA SMARTPHONE VEHICLE INTERFACE

Installation And Testing Guide

(ENGLISH / INGLÉS)

Quick Reference - LINKR-M1 Install Overview

1. Download the Linkr app to your smartphone. Search 'omega linkr' in your app store - iphone & android only.
2. Mount the Linkr module with the label facing the sky. There cannot be metal between the module and sky.
3. Make all necessary wiring connections. See "Connecting the device" on page 4 for details.
4. After 30 seconds with the vehicle ignition ON, check the indicator lights to make sure the unit has cellular service and GPS signal. See page 9 for LED status definitions
5. Login at www.omegadealer.com to temporarily activate the device for testing.
6. Add the device to your Linkr app to configure & test. See "Testing the device" on page 10.
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 >

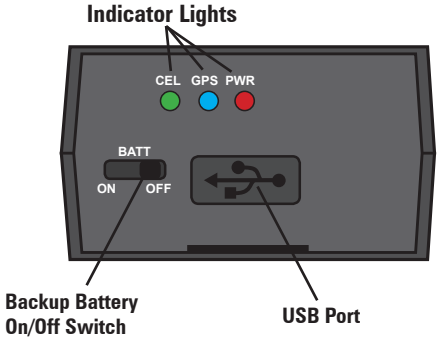
WIRE DIAGRAM LOCATED IN THE CENTER OF THIS MANUAL (p.6)

by ΩMEGA

LINKR-M1 install guide EN A6.indd 1 5/24/2016 4:00:51 PM

LINKR-M1 Module Overview

Module End View:



Indicator Lights:
These lights indicate Cellular Service, GPS connectivity, & Power conditions. For full descriptions of indications, see page 9.

Backup Battery Switch:
The unit is shipped with this switch in the OFF position. Move it to the ON position AFTER wiring the device.

USB Port:
A USB interface cable is available for purchase. It is rarely needed but allows you to update the device firmware manually. Otherwise, the user can update firmware from their phone app (appropriate service plan required).

LINKR-M1 install guide EN A6.indd 2 5/24/2016 4:00:51 PM

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 (optional):
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.
NOTE: DO NOT CONNECT IF USING DATA CONNECTOR WITH AN OMEGA ALARM OR REMOTE START SYSTEM.

BLUE (-) output #1 wire (optional):
This is a negative pulse 150mA output (add a relay if necessary) configurable for 0.8 second, 3 second, or 10 second pulse. It can be assigned to most command buttons in the Linkr app.

LINKR-M1 install guide EN A6.indd 3 5/24/2016 4:00:51 PM

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, 3 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.

LINKR-M1 install guide EN A6.indd 4 5/24/2016 4:00:51 PM

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.

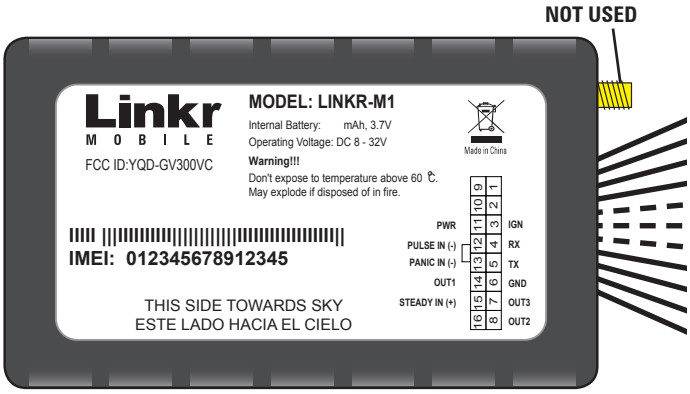
YELLOW +12v ignition input wire (required):
This is an ignition input wire to the device. It must be connected to an ignition +12V source. This can be found in the ignition switch harness or at a fuseblock. Be certain that this wire has +12V with the ignition key is in the ON position.

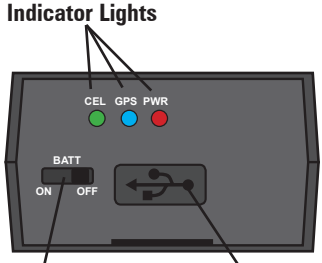
BLUE (-) output #1 wire (optional):
This is a negative pulse 150mA output (add a relay if necessary) configurable for 0.8 second, 3 second, or 10 second pulse. It can be assigned to most command buttons in the Linkr app.

GREEN (-) output #2 wire (optional):
This is a negative pulse 150mA output (add a relay if necessary) configurable for 0.8 second, 3 second, or 10 second pulse. It can be assigned to most command buttons in the Linkr app.

LINKR-M1 install guide EN A6.indd 5 5/24/2016 4:00:51 PM

Linkr-M1 Wiring Overview



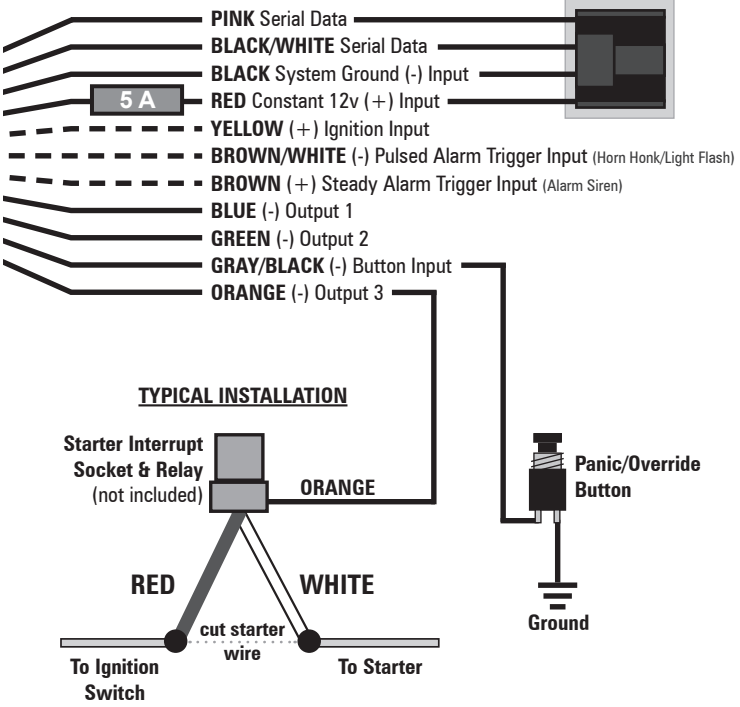


*backup battery unavailable on some versions

LINKR-M1 install guide EN A6.indd 6 5/24/2016 4:00:51 PM

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.



LINKR-M1 install guide EN A6.indd 7 5/24/2016 4:00:51 PM

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.

LINKR-M1 install guide EN A6.indd 8 5/24/2016 4:00:51 PM

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
CEL (green)	Transmitting	Searching the cellular network	***Connected to cellular network***	-
GPS (blue)	***GPS connected***	Searching for GPS	GPS data error	GPS is off
PWR (red)	***Power connected & battery is charged***	Power connected, internal battery is charging	Power is not connected, backup battery is ON.	No Power

LINKR-M1 install guide EN A6.indd 9 5/24/2016 4:00:52 PM

Step 4: Test The Device

1. Install the Linkr app on your smartphone.
   search "Omega Linkr" in the app store.

2. Login at www.omegadealer.com to activate the device for install testing. This can be done from your phone or computer.

3. Press "add" on the App's home screen & follow the on-screen intructions to enter test mode.

4. Press the edit button next (*+ symbol*) to the configuration code field to set the output function options.
   See the common configuration codes on page 11.

5. Enter the device name & mobile phone number

6. Do not add any other information and press "Save". You should receive a text message from the device confirming that settings have been updated.

7. Use the command screen to test all connected functions.

8. **IMPORTANT:** When the test is successful, enter the the configuration code at www.omegadealer.com to complete setup. Write it and the device phone number on the user activation card and give it to the vehicle owner. You can now delete the device from your app.

ABOUT INSTALLER TEST MODE:

The Linkr device will remain in test mode until the 'primary alert receiver' is added. After it is set, only that phone/user can update it. If it is set incorrectly and needs to be updated manually, perform the following steps:

1) Turn the Vehicle ignition ON/OFF 5 times within 10 seconds.
   You will have 5 minutes to complete step 2.
2) Send the new settings from the app to the device.
   You will receive a confirmaiton message if it is successful.

LINKR-M1 install guide EN A6.indd 10 5/24/2016 4:00:52 PM

LINKR-M1 install guide EN A6.indd 11

Code	Lock	Unlock	Start	Trunk	Engine Disable	Aux 1	Aux 2
Common Serial Data Data Configurations							
00091B	**Serial Data**	**Serial Data**	**Serial Data**	**Serial Data**	Disabled	Disabled	Disabled
00081B	**Serial Data**	**Serial Data**	**Serial Data**	Disabled	Disabled	Disabled	Disabled
0C991B	**Serial Data**	**Serial Data**	**Serial Data**	**Serial Data**	**Orange - Latched**	**Green - 800ms**	**Blue - 800ms**
00191B	**Serial Data**	**Serial Data**	**Serial Data**	**Serial Data**	**Orange - Latched**	Disabled	Disabled
Common Hardwire Only Configurations							
001009	**Green - 800ms**	**Blue - 800ms**	Disabled	Disabled	**Orange - Latched**	Disabled	Disabled
001048	Disabled	**Blue - 800ms**	Disabled	**Green - 800ms**	**Orange - Latched**	Disabled	Disabled
009008	Disabled	**Blue - 800ms**	Disabled	Disabled	**Orange - Latched**	**Green - 800ms**	Disabled
0C9000	Disabled	Disabled	Disabled	Disabled	**Orange - Latched**	**Green - 800ms**	**Blue - 800ms**
001408	Disabled	**Blue - 800ms**	**Green - 800ms**	Disabled	**Orange - Latched**	Disabled	Disabled

5/24/2016 4:00:52 PM

LINKR-M1 install guide EN A6.indd 12 5/24/2016 4:00:52 PM