

EXCALIBUR

REMOTE START & SECURITY PERFECTED

AL-80 & RS-80

QUICK INSTALLATION GUIDE

FIRMWARE V1.2

Use LINKR-MOBILE app or Weblink to update firmware.



Scan to get the latest guides at omegarules.com/support

Installation Overview - How To Get Started!

- 01 MAKE ALL SYSTEM WIRING CONNECTIONS:
- Make all required connections for the system and the vehicle. See the wire diagram below.

NOTE: There may be a T-HARNESS available for this vehicle.

Search t-harnesses & interface solutions at www.WireSheet.com.
- 02 INSTALL AND PROGRAM INTERFACE/BYPASS MODULE (IF REQUIRED):
- Search for interface/bypass solutions at www.WireSheet.com.

- Follow the install guide for the interface module. If using a t-harness & OmegaLink module, installation & programming instructions are included.

- Test for basic functions like lock & unlock if connected.
- 03 CONNECT ANTENNA/PROGRAMMING BUTTON & ANY OTHER SYSTEM ACCESSORIES:
- Connect the antenna or programming button (for OEM fob or smartphone only start).

- Connect the siren and any sensors you intend to use for alarm applications.
- 04 PERFORM VEHICLE LEARN:
- See the 'Quick Programming Guide' for instructions. This is the quickest way to ensure optimized remote start performance and confirm proper operation.
- 05 TEST & TUNE ALARM (IF APPLICABLE):
- Perform "Alarm Quick Test" to quickly validate all zones are functioning properly.

- This avoids repeated disarm/arm cycles and annoying alarm triggers.

- See the instructions on this page.

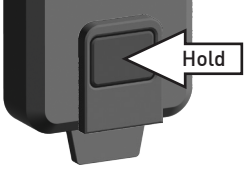
- Use remote start & alarm diagnostics to troubleshoot any undesired behaviors.
- 06 CONFIGURE ANY OTHER DESIRED OPERATIONS/FEATURES:
- LINKR-MOBILE smartphone app & programmer is strongly recommended for programming features.

- See the 'Quick Programming Guide' for the full feature chart and manual programming instructions.
- 07 TEST ALL FUNCTIONS AND ENJOY!

Alarm Quick Test & Tune

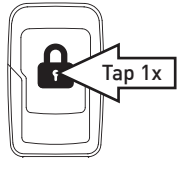
This powerful installer tool lets you adjust sensors and test all trigger zones faster (and less annoying) than ever before!

- Chirps to indicate triggered zone - no more blaring sirens & horns
- Test sensor adjustments without having to disarm/rearm.

01

TIME RESTRICTION: Perform steps 1 & 2 within 2 seconds

Hold the programming button

02

Tap LOCK on the remote

- The status LED will start flashing rapidly

- The system is now in alarm test mode

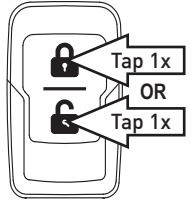
NOTE: Press LOCK or UNLOCK at any time to exit.

03

Test all trigger zones - SEE ALARM DIAGNOSTICS FOR ZONE CHART

- The siren/horn will chirp indicating any triggered zones and will repeat as long as the zone is triggered. If multiple zones are triggered, the chirps will cycle through each triggered zone before repeating.

- If the system has a 2-way controller, it will also display the open zones

04

Tap LOCK on the remote

- The system will exit test mode & lock/arm normally

~OR~

Tap UNLOCK on the remote

- The system will exit test mode & unlock/disarm normally

Remote Start Diagnostics	
If remote start fails to activate, the system will chirp, flash the lights, and flash the status LED to indicate the cause. If remote start shuts down prematurely, you can recall the violation by putting the system in valet mode (see operation guide). Before the status LED turns on (valet mode), the LED will flash to indicate any violated zones.	
LED Flashes	Violated Zone
1	Hood
2	Brake
3	Bad tach signal or engine over-rev.
4	BLACK/WHITE wire lost ground
5	3D sensor detected vehicle motion while cranking (only w/ '3D' antennas)
6	Received engine stop command (remote, telematics, etc.)
7	Alarm was triggered
8	Run time expired
9	Low vehicle battery voltage detected

Alarm Diagnostics		
Zone Violation Recall: To diagnose the cause of alarm triggers:		
- Disarm the alarm with the remote - The status LED will flash to indicate which zone(s) were triggered last. It will list them pause and repeat. If multiple zones were triggered, it will list them in order before repeating. - Turn the ignition key "ON" to clear alarm trigger memory.		
Horn/Siren Chirps	Trigger Input Zone	NOTE
1	Hood	Supported by input wire and data
2	Trunk	Available via programmable input wire and data
3	Door	Supported by input wires and data
4	Sensor Port Warning	
4	Sensor Port Trigger *	
5	Sensor 2 Warning	Available on RS-80-B / AL-80-B only
5	Sensor 2 Trigger *	Available on RS-80-B / AL-80-B only
6	Antenna Digital Tilt Sensor	Available with '3D' antennas only
7	Sensor 3 Warning	Available via programmable input wire
7	Sensor 3 Trigger *	Available via programmable input wire

Alarm Test Mode: See "Alarm Quick Test & Tune" for process.

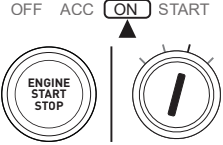
- Trigger zones are detected via the input wires and via data from a vehicle interface module (if connected).
- * Some sensors are dual zone with a warning zone and a trigger zone. The warning zone will only give the chirps. The trigger zone will give a long chirp/honk before the zone number chirps.

3D Sensor Enable/Disable ('3D' Antennas Only)

The '3D' sensor in equipped antennas is designed to detect motion when the remote start activates the starter in manual transmission vehicles that were accidentally left in gear. If motion is detected, the remote start will shut down immediately. Some vehicle vibrate significantly during cold starts and cause a false trigger. In this case, you may wish to disable the sensor and use a suitable 'Manual Transmission Reservation' mode.

- Compatible antennas will have the "3D" Logo on them

- 'Manual Transmission Reservation Mode' must be enabled for the 3D sensor to work.

01

TIME RESTRICTION: Perform all steps within 10 seconds

Turn ignition ON (do not start)

- Push-to-start: Most cars - tap button 2x w/o brake (see car user manual)

- The instrument cluster should turn on with the engine off

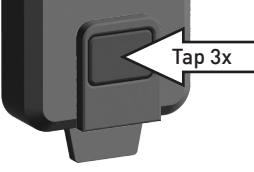
02

Hold the brake pedal

- The siren/horn will chirp and the parking lights will flash 1 time

- The status light will turn off

- All features are rest and the system has exited programming

03

Tap the programming button 3 times

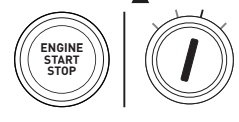
- The 3D sensor will alternate between enabled & disabled

- **ENABLED:** Status LED & parking lights will flash 3 times

- **DISABLED:** Status LED & parking lights will turn on for 1 second

Tach Learn - For VIOLET/WHITE Tach Wire Connection Only

When using the VIOLET/WHITE tach wire circuit for engine detection, the vehicle's tach signal must be learned. Tach signal is learned during Vehicle Learn and usually does not have to be relearned. To manually learn the idle RPM, follow the procedure below. NOTE: 'DataTach' does not need to learn idle rpm.

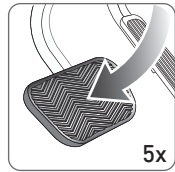
01

TIME RESTRICTION: Perform steps 1 & 2 within 10 seconds

Turn ignition ON (do not start)

- Push-to-start: Most cars - tap button 2x w/o brake (see car user manual)

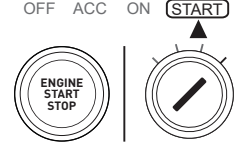
- The instrument cluster should turn on with the engine off

02

Tap the brake pedal 5 times

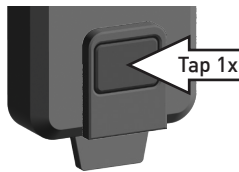
- You only need to tap the pedal enough to turn on the brake lights

- The status LED will flash rapidly (awaiting tach signal)

03

Start the engine & wait for the engine to settle at a normal idle rpm.

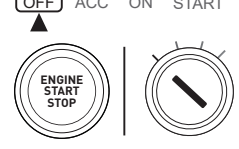
- As soon as a valid tach signal is detected, the status LED will turn ON

04

OPTIONAL: Tap the programming button to resample idle RPM

- This is useful if prior samples resulted in starter grinding during remote start. This is usually due to sampling of too high an idle RPM

- Otherwise, this step can be skipped

05

Turn ignition OFF

- Tach Learn is now complete

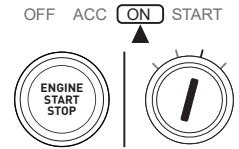
Programming Remotes

ABOUT PROGRAMMING REMOTE CONTROLLERS:

- Remotes included with the system are programmed at the factory and do not need to be learned.

- If included remotes do not work, test both remotes. 2-way remotes may be accidentally in "Car 2" mode.

- Program all remotes in one session. When a remote is learned, all previous learned remotes are deleted.

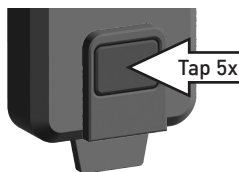
01

TIME RESTRICTION: Perform steps 1 & 2 within 10 seconds

Turn ignition ON (do not start)

- Push-to-start: Most cars - tap button 2x w/o brake (see car user manual)

- The instrument cluster should turn on with the engine off

02

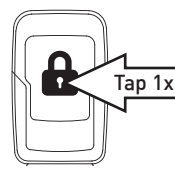
Tap the Programming button 5 times

- The siren/horn will sound & the parking lights will flash

- The status light will turn ON

- You are now in transmitter learn mode

NOTE: The system will exit programming with 30 seconds of no activity.

03

Tap LOCK on the remote

- The status light will turn OFF then back ON.

The remote transmitter has been learned.

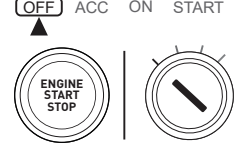
NOTE: On 1-button remotes, tap START (also used for LOCK)

04

Repeat STEP 3 for any additional remotes

- The system will learn a maximum of 4 remotes.

- If 4 are learned, the system will auto-exit learn mode

05

Turn ignition OFF

- Remote programming/pairing is now complete

AL-80 / RS-80 Wire Diagram

A

HIGH/MED CURRENT POWER HARNESS - BLACK 6 PIN (P/N: H-RS6HC)

IMPORTANT: T-Harnesses available (wiresheet.com) | H-RS6BLC low current (18 awg) harness available

PIN	COLOR	DEFAULT FUNCTION	POL.	I/O	AMPS	FUSE	PROG.	DATA SUPPORT
1	PINK/WHITE	IGNITION 2 / Accessory / Start	(+)	IN/OUT	30A		•	•
2	VIOLET	START	(+)	IN/OUT	30A		•	•
3	ORANGE	ACCESSORY / Ignition / Start	(+)	IN/OUT	30A		•	•
4	RED/BLACK	Feed For PNK/WHT, VLT, ORNG	(+/-)	IN	30A	30A		
5	RED	System Power, Feed for PINK	(+)	IN	20A	20A		
6	PINK	IGNITION 1 / Accessory / Start	(+)	IN/OUT	20A		•	•

B

MEDIUM CURRENT HARNESS - WHITE 4 PIN (P/N: H-RS4MC)

PIN	COLOR	DEFAULT FUNCTION	POL.	I/O	AMPS	FUSE	PROG.	DATA SUPPORT
1	WHITE/BLACK	Light Flash	(-)	OUT	250ma		•	•
2	BLACK	System Ground	(-)	IN	10A			
3	WHITE	Light Flash	(+)	OUT	10A	10A	•	•
4	BROWN	Siren	(+)	OUT	1A		•	

C

LOW CURRENT HARNESS - WHITE 12 PIN (P/N: H-RS12LC)

PIN	COLOR	DEFAULT FUNCTION	POL.	I/O	AMPS	FUSE	PROG.	DATA SUPPORT
1	LT. GREEN/BLACK	OEM Alarm Disarm	(-)	OUT	250ma		•	•
2	LT. GREEN/RED	OEM Alarm Arm	(-)	OUT	250ma		•	•
3	VIOLET	Door Status	(+)	IN			•	•
4	WHITE/BLUE	Remote Start Activation	(-)*	IN			•	•
5	BROWN/RED	Brake Pedal Status	(+)	IN			•	•
6	BLACK/WHITE	Parking Brake / Neutral	(-)	IN			•	•
7	BROWN/BLACK	Horn Honk	(-)	OUT	250ma		•	•
8	ORANGE	Starter Interrupt / Anti-grind	(-)	OUT	250ma		•	•
9	GRAY	Hood Status	(-)	IN			•	•
10	RED/WHITE	Trunk Release	(-)	OUT	250ma		•	•
11	GREEN	Door Status	(-)	IN			•	•
12	VIOLET/WHITE	Tach Signal	(-)	IN			•	•

* Supports direct connection to reversal rest at ground (5-wire) for 3x Lock Start. A pulse to (+) then back to (-) = 1 activation pulse.

D

LOW CURRENT EXPANSION HARNESS - RED 3 PIN (P/N: H-RS3LC)

PIN	COLOR	DEFAULT FUNCTION	POL.	I/O	AMPS	FUSE	PROG.	DATA SUPPORT
1	BLUE/WHITE	GWR/Status	(-)	OUT	250ma		•	•
2	RED	+12v Supply For Accessories	(+)	OUT	500ma			
3	GREEN/BLACK	Start	(-)	OUT	250ma		•	•

E

DOOR LOCK/UNLOCK HARNESS - RED 3 PIN (P/N: DLP-N3)

PIN	COLOR	DEFAULT FUNCTION	POL.	I/O	AMPS	FUSE	PROG.	DATA SUPPORT
1	GREEN	Lock Pulse	(-)	OUT	250ma		•	•
2	EMPTY PIN	+12v Supply For DL Adapters	(+)	OUT	500ma			
3	BLUE	Unlock Pulse	(-)	OUT	250ma		•	•

F

ANTENNA / TELEMATICS / STATUS LIGHT / VALET PORT - WHITE 4-PIN - For any compatible plug-in antennas, LINKR, or push-button status light (P/N: AU-LED-PB2 - adapter P/N: H-4LEDPB80 required)

G

DATA PORT - BLACK 4-PIN - For Telematics / Data Sensor (Shock, Tilt, etc) / Vehicle Interface Module. (DBI & iDataLink protocols supported - see 'Vehicle Learn' or programmable features)

H

DATA PORT - GREEN 4-PIN - For Telematics / Data Sensor (Shock, Tilt, etc) / Vehicle Interface Module. (DBI & iDataLink protocols supported - see 'Vehicle Learn' or programmable features)

I

SENSOR PORT - WHITE 4 PIN - For (harness included w/ optional sensors)

J

TEMPERATURE SENSOR - DO NOT COVER (For high/low temp auto start and for automatic low temp crank extender)

Push-Button Status Light P/N: AU-LED-PB2 NOTE: H-4LEDPB80 adapter required

Drill 5/16" Diameter Hole

OR

Antenna Pass Through Port (Permanent install)

OR

Antenna Module

Programming (Valet) Button

Status Light

Smartphone Programmer, Updater Tool

SCAN TO GET YOURS!

High Output 6-Tone Mini Siren (P/N: AU-73M - Optional)

RED BLACK Chassis Ground

Starter Interrupt/Anti-Grind Relay (P/N: AU-SOCKET - Optional)

ORANGE RED WHITE Ign. Switch Starter Cut Vehicle's Starter Wire

EXCALIBUR RS-80 AL-80

C B A

Tech Support
Phone: 800-921-TECH (8324)
Web: OmegaDealer.com | WireSheet.com
FaceBook dealer support group: Facebook.com/groups/omegadealer
Corporate Site / Product Info: CarAlarm.com

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AL-80 & RS-80

FEATURE PROGRAMMING GUIDE

FIRMWARE V1.2

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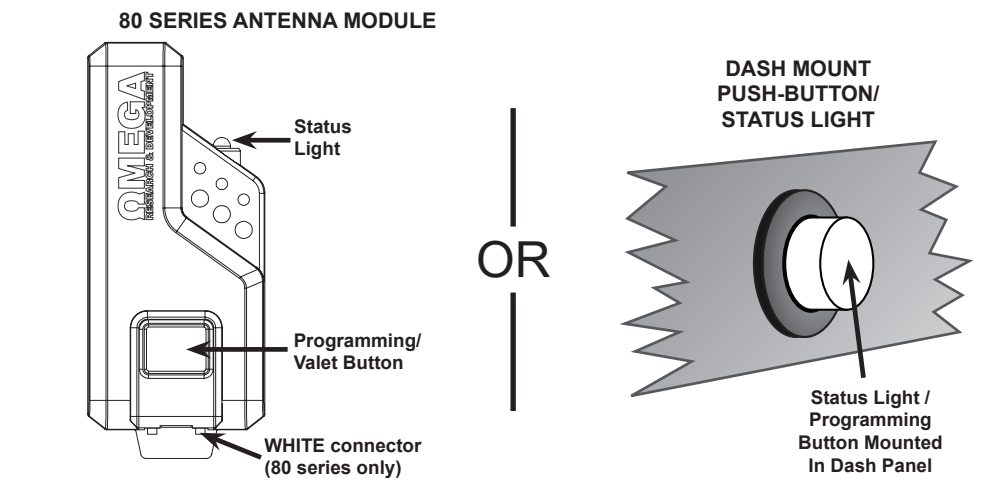
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Programming Basics - How To Get Started!

ACCESSING THE PROGRAMMING (AKA VALET) BUTTON:

To configure this system or change features, you will need access to the programming button.

- There are 2 possible programming button configurations:
- If the system includes remotes, the programming button is built into the antenna.
 - If the system works from the factory fob or smartphone control only, the programming button is built into the dash mounted status light.



Vehicle Learn Requirements

IMPORTANT: VEHICLE LEARN IS STRONGLY RECOMMENDED TO ENSURE THIS SYSTEM IS OPTIMIZED FOR THE BEST REMOTE START PERFORMANCE. MANUALLY CHANGING REMOTE START BEHAVIOR SETTINGS IS ONLY RECOMMENDED IN SPECIAL VEHICLE CIRCUMSTANCES.

ABOUT VEHICLE LEARN (US PATENT #10,151,289):

This process will automatically configure installation critical features, correct ignition switch wiring internally as needed, and take advantage of any vehicle features that ensure the best remote start performance. It is faster and more accurate than manually programming even 1 feature manually (or with Weblink). It even saves you from having to research which settings are needed for the vehicle to remote start. All in just a few seconds.

- WHAT IT DOES:**
- Detects and tells you how many IGN/ACC/START circuits are connected
 - Identifies and matches all connected Ignition, Accessory, & Start circuits.
 - Auto-detects and matches data port protocol of all connected accessories
 - Detects and utilizes the best available engine detection method
 - Allows quick selection of crank delay for diesel engines and special applications
 - Allows quick selection of preferred Manual Transmission Reservation Mode

- BEFORE YOU BEGIN:**
- Make all wire connections.
 - Program any bypass module used to the vehicle per the module instructions.
 - Connect any additional accessories/modules to the data ports and sensor ports.
 - **MANUAL TRANSMISSION VEHICLES ONLY:** Set the parking brake & place the transmission in neutral. The BLACK/WHITE wire must be connected to the parking brake wire.
 - NOTE: Vehicle learn will auto-exit if 60 seconds passes between any steps.

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AL-80 & RS-80

FEATURE CHART | FW V1.2

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Feature Chart Key				FEATURE				OPTION ...			
#	FEATURE	OPTION 1	OPTION 2	OPTION 2		OPTION 2		OPTION 2		OPTION 2	
1	Common Feature For All Models	Default Option For RS-80		Default Option For All Models		Another Option		Another Option		Another Option	
2	"Alarm Functions" (Bank 3 /Feature 1) Must Be On	Default Option For All Models		Another Option		Another Option		Another Option		Another Option	

BANK 1 - USER - Remote Start Options											
#	FEATURE	OPTION 1	OPTION 2	OPTION 3	OPTION 4	OPTION 5	OPTION 6	OPTION 7	OPTION 8	OPTION 9	OPTION 10
1	Engine Run Time	3 min	10 min	15 min	20 min	30 min	45 min	60 min			
2	Low Volt Auto Start	Off	11.0v	11.25v	11.5v	11.75v	12.0v				
3	Low Temp Auto Start	Off	0F / -18C Deg	15F / -9C deg	32F / 0C deg						
4	High Temp Auto Start	Off	75F / 24C deg	90F / 32C deg	105F / 41C deg	120F / 49C deg					
5	Start Activation By Remote	Start x 1	Start x 2	Hold Start 2 sec							
6	Turbo Timer	Off	1 min	2 min	3 min						

BANK 2 - USER - Convenience Options											
1	Parking Light Confirmations	Unlock: ON Start: ON	Unlock: ON Start: Flash	Unlock: Flash Start: ON	Unlock: Flash Start: Flash						
2	Confirmation Chirp Behavior	Siren + Horn	Siren Only	Horn Only	On Demand	2-way only	Off				
3	Confirmation Chirp Volume	Low	Med-Low	Med-High	High						
4	Ignition Lock / Unlock	Off	Ignition On Lock	Ignition Off Unlock	Ignition Lock + Unlock	RPM Lock (Tach Required)	RPM Lock + Ign. Unlock				
5	Open Door Bypass Of Ignition Lock / Unlock (Feature #4)	Off	On								
6	1-Button Remote Lock/Unlock	Off (Start Only)	Lock + Unlock	Unlock Only							
7	2-Stage Unlock	Driver Door 1st	All Doors Unlock								

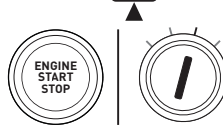
BANK 3 - USER - Security Options											
1	Alarm Functions	Off	Sensor Detect	On	On - RS Off						
2	Override Code 1st Digit	1	2	3	4	5	6	7	8	9	0
3	Override Code 2nd Digit	1	2	3	4	5	6	7	8	9	
4	Ignition Activated Override	Off	On	On w/ 15s Delay							
5	Alarm Trigger Duration	30 sec	60 sec	90 sec	120 sec						
6	Arming Delay	3 sec	15 sec	30 sec	45 sec						
7	Open Door Warning Upon Lock/Arm	Off	On								
8	Last Door Arming	Off	On w/o Door Lock	On w/ Door Lock							
9	Automatic Rearming	Off	On w/o Door Lock	On w/ Door Lock	Enhanced Rearm						
10	Lock On Sensor Warning	Off	On								
11	Horn Honk Trigger Pulse Timing	Short Pulse	Med Pulse	Long Pulse	Human Panic						
12	Alarm Trigger Horn Honk	All Zones	All Zones Except Sensors								
13	Anti-Carjacking	Off	Ignition	Door	Ignition + Door						

BANK 4 - INSTALLER ONLY - System Behaviors											
1	Engine Detection	Progressive Volt	Standard Volt	Tach Wire	Datatach	Crank Only					
2	Crank Delay	1.5 sec	3 sec	6 sec	15 sec	20 sec	30 sec				
3	Starter Crank Time (Volt Only)	Average	0.75 sec	1 sec	1.5 sec	2.25 sec	3 sec				
4	Cold Crank Extend (Volt Only)	0 ms	200 ms	300 ms	400 ms						
5	Data Ports Protocol	Green = DBI Black = DBI	Green = iData Black = iData	Green = DBI Black = iData	Green = iData Black = DBI						
6	Manual Transmission Reservation Mode	Off	Set: Park Brake + Remote Start Engine Off: Lock	Set: Park Brake + Remote Start Engine Off: Door Close	Set: Park Brake + Remote Start Engine Off: Door Close+10s	Set: Park Brake Engine Off: Lock	Set: Park Brake Engine Off: Door Close	Set: Park Brake Engine Off: Door Close+10s			
7	Remote Start Lock Control	Off	Lock After Start	Unlock Before Start	Unlock Before + Lock After Start	Lock After Engine Off					
8	Unlock/Disarm w/ Trunk Release	Off	On								
9	Pulse IGN+ACC On Disarm	Off	On								
10	Arm/Disarm by OEM Remote Via Data	Off	Arm + Disarm	Arm Only	Disarm Only						
11	Light Flash Timing	Standard Flash	Hazard Flash								
12	Starter Kill Function	Alarm Only N/C	Anti-grind Only N/C	Alarm + Anti-Grind N/C	Automatic - Alarm Only N/C	Alarm Only N/O	Automatic Alarm Only N/O	Brake N/C	Brake N/O		
13	Low Current Draw Mode	Off	On								

Vehicle Learn Process - STRONGLY RECOMMENDED

01

OFF ACC ON START

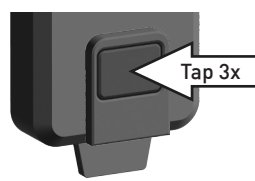


TIME RESTRICTION: Perform steps 1 & 2 within 5 seconds

Turn ignition ON (do not start)

- Push-to-start: Most cars - tap START button 2x w/o brake (see car manual)
- The instrument cluster should turn on with the engine off

02



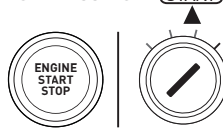
Tap the programming button 3 times

- The system will chirp/honk & flash lights to indicate crank delay (Default: 1 = 1.5 seconds - Most gas engines)
- Tap programming button again to scroll through crank delay options: 1 = 1.5 sec, 2 = 3 sec, 3 = 6 sec, 4 = 15 sec, 5 = 20 sec, 6 = 30 sec

- Data port protocols are now detected and matched

03

OFF ACC ON START



Start the engine & wait for the engine to settle at a normal idle rpm.

- All IGN/ACC/START circuits are detected and matched
- Data tach or tach wire is detected & RPM sampled. If not available, system uses 'progressive volt' mode & samples crank time.
- To force "crank only" mode, tap the programming button 1 time. The system will chirp & flash the lines 1 time to confirm.

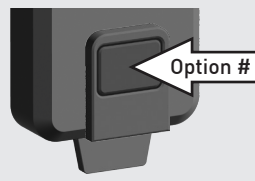
04

AUTOMATIC TRANSMISSIONS: SKIP TO STEP 7

MANUAL TRANSMISSIONS: Hold the brake pedal & release the parking brake.

- The system will chirp & flash the lights equal the # of IGN/ACC/START circuits detected on harness [A] (Max: 4)
- TIP: If this does not match the number you connected, turn the engine off to cancel, check your wiring, and start over.

05



MANUAL TRANSMISSIONS: Tap the programming button to scroll through 'Manual Transmission Reservation Mode' options. (See Bank 4, feature 6)

- The system will chirp & flash the light to indicate setting (default: 1 - Off)

06



MANUAL TRANSMISSIONS: Set the parking brake and complete selected 'MT Reservation Mode' activation method.

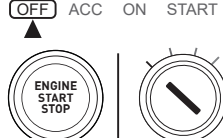
- Remote start will activate (parking lights will turn on)

07

MANUAL TRANSMISSIONS: Remove key from vehicle and exit. The engine will shut down per your selected option in the previous steps. NOTE: Some push-to-start vehicles require you to turn off the PTS button before exit.

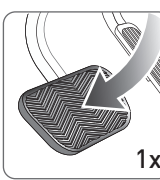
08

OFF ACC ON START



AUTOMATIC TRANSMISSIONS: Turn the ignition OFF. The system will chirp & flash the lights equal the # of IGN/ACC/START circuits detected on harness [A] (Max: 4). NOTE: If this does not match your connections, tap the programming button to cancel, check your wiring, and start over.

09



PUSH-TO-START VEHICLES: Ensure the OEM fob is at least 20 ft. away to allow remote start.

- Activate remote start by any available method
- Wait until the engine is running & status LED flashes slowly (may take up to 45 seconds after engine is running). If engine does not run, tap the Programming button to exit. Correct any issues & repeat this process.

TO SAVE SETTINGS & COMPLETE VEHICLE LEARN: Tap the BRAKE pedal (Remote start will turn off)

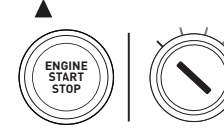
TO CANCEL & START OVER: Tap the programming button once

VEHICLE LEARN IS COMPLETE

Programming Features Manually (See Feature Chart Below)

01

OFF ACC ON START

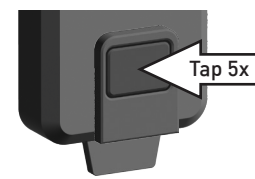


TIME RESTRICTION: Perform steps 1 & 2 within 10 seconds

Turn ignition ON (do not start) then OFF

- Ignition ON is when the instrument cluster gauges and warning lights turn on without the engine running

02



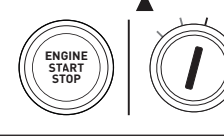
Tap the Programming button 5 times

- The siren/horn will sound
- The status light will flash rapidly
- You are now in feature programming mode

NOTE: The system will exit programming with 30 seconds of no activity

03

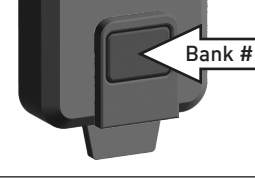
OFF ACC ON START



IF THE BRAKE PEDAL IS POWERED BY IGNITION (OR IF YOU'RE UNSURE), Turn the ignition ON.

MOST VEHICLES BRAKE LIGHTS ILLUMINATE WITH THE IGNITION OFF, IN WHICH CASE, YOU CAN SKIP THIS STEP

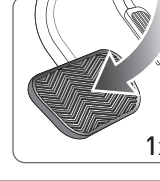
04



SELECT BANK: Tap the programming button = bank number. Example: for bank 3, tap the programming 3 times, followed by 3 chirps & flashes. If you hear 1 chirp per tap, you are tapping too slowly.

- The siren/horn will chirp, status light & parking lights will flash equal to the selection, pause, then repeat.

05

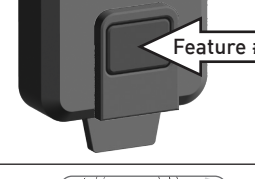


CONFIRM: Tap the brake pedal to confirm your selection.

- The siren/horn will chirp and the parking lights will flash 1 time
- The status light will turn on

TO RETURN TO BANK SELECTION, TAP BRAKE AGAIN.

06



SELECT FEATURE: Tap the programming button = feature number.

- The siren/horn will chirp, status light & parking lights will flash equal to the selection, pause, then repeat

07

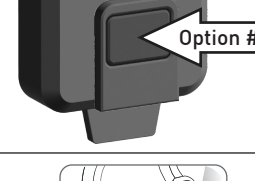


CONFIRM: Tap the brake pedal to confirm your selection.

- The siren/horn will chirp and the parking lights will flash 1 time
- The status light will turn on

TO RETURN TO FEATURE SELECTION, (STEP 6) TAP BRAKE AGAIN. TO RETURN TO BANK SELECTION (STEP 4), HOLD BRAKE FOR 2 SECONDS.

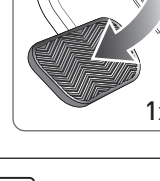
08



SELECT OPTION: Tap the Programming button = option number.

- The siren/horn will chirp, status light & parking lights will flash equal to the selection, pause, then repeat

09



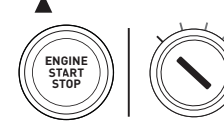
CONFIRM: Tap the brake pedal to confirm your selection.

- The siren/horn will chirp and the parking lights will flash 1 time
- The status light will turn on for 1 second

THE SYSTEM WILL AUTOMATICALLY RETURN TO STEP 06, FEATURE SELECTION, SO YOU CAN ACCESS OTHER BANKS & FEATURES

10

OFF ACC ON START



TO EXIT PROGRAMMING MODE IMMEDIATELY, Turn ignition ON then OFF.

- The siren/horn will sound
- The status light will turn off

NOTE: The system will exit programming with 30 seconds of no activity

BANK 5 - INSTALLER ONLY - Output Wires Behavior - [X] = Harness Position (See Wire Diagram & Module Layout)											
#	FEATURE	OPTION 1	OPTION 2	OPTION 3	OPTION 4	OPTION 5	OPTION 6	OPTION 7	OPTION 8	OPTION 9	OPTION 10
1	[A] ORANGE	Ignition	Accessory	Start							
2	[A] PINK/WHITE	Ignition	Accessory	Start							
3	[B] WHITE	Light Flash	Dome light Ill.								
4	[B] WHITE/BLACK	Light Flash	Dome light Ill.								
5	[B] BROWN	Siren	Starter Kill	Dome light Ill.							
6	[C] BROWN/BLACK	Horn	Dome light								
7	[C] LIGHT GREEN/BLACK	OEM Disarm	Ch4 0.8s Pulse	Ch4 Latch	Ch5 0.8s Pulse	Ch5 Latch	Status Light	Lock	Unlock	Unlock #2	
8	[C] LIGHT GREEN/RED	OEM Arm	Ch4 0.8s Pulse	Ch4 Latch	Ch5 0.8s Pulse	Ch5 Latch	Status Light	Lock	Unlock	Unlock #2	
9	[C] ORANGE	Starter Kill	Status Light								
10	[C] RED/WHITE	Trunk Release									
11	[D] BLUE/WHITE	GWR / Status	Ignition	Start	0.8s Defrost	10 min Defrost	Pulse After RS Off	Horn	Status Light	Accessory	
12	[D] GREEN/BLACK	GWR / Status	Ignition	Start	0.8s Defrost	10 min Defrost	Pulse After RS Off	Horn	Status Light	Accessory	
13	[E] BLUE	Unlock 0.125 sec	Unlock 0.4 sec	Unlock 0.8 sec	Unlock double 0.8 sec	Unlock 3 sec					
14	[E] GREEN	Lock 0.125 sec	Lock 0.4 sec	Lock 0.8 sec	Lock double 0.8 sec	Lock 3 sec	Lock 28 sec				

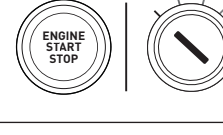
BANK 6 - INSTALLER ONLY - Input Wires Behavior - [X] = Harness Position (See Wire Diagram & Module Layout)											
1	[C] BLACK/WHITE	Parking brake	Door N/C	Trunk N/O	Trunk N/C	Zone 7: Warning	Zone 7: Trigger N/O	Zone 7: Trigger N/C	Wait To Start		
2	[C] BROWN/RED	Brake Pedal	Lock/Arm	Unlock/Disarm							
3	[C] GRAY	Hood N/O	Hood N/C	Trunk N/O	Trunk N/C	Zone 7: Warning	Zone 7: Trigger N/O	Zone 7: Trigger N/C	Wait To Start		
4	[C] GREEN	Door N/O	Door N/C	Trunk N/O	Trunk N/C	Lock/Arm	Unlock/Disarm	Zone 7: Trigger N/O	Wait To Start		
5	[C] VIOLET	Door N/O	Door N/C	Trunk N/O	Trunk N/C	Lock/Arm	Unlock/Disarm	Zone 7: Trigger N/O	Wait To Start		
6	[C] PURPLE/WHITE	Tach									
7	[C] WHITE/BLUE	RS: 1 Pulse	RS: 2 Pulses	RS: 3 pulses	Door N/C	Lock/Arm	Unlock/Disarm	Override Button	Wait To Start		
8	[H] BLUE	Sensor Trigger	Unlock+Disarm	Override Button							
9	[H] GREEN	Sensor Warning	Lock+Arm	Override Button							

Reset All Features To Default - PROCEED WITH CAUTION

WARNING: THIS WILL RENDER A WORKING SYSTEM INOPERABLE & WILL REQUIRE FULL SETUP AS IF THE SYSTEM IS IN FACTORY CONDITION. ONLY PERFORM IF ADVISED TO BY SUPPORT STAFF.

01

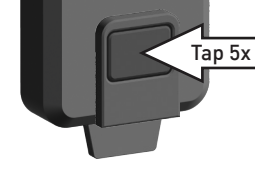
OFF ACC ON START



TIME RESTRICTION: Perform steps 1 & 2 within 10 seconds

Turn ignition ON (do not start) then OFF.

02



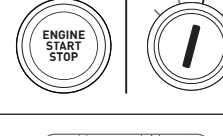
Tap the programming button 5 times

- The siren/horn will chirp & the parking lights will flash.
- The status light will flash rapidly.
- You are now in feature programming mode

NOTE: The system will exit programming with 30 seconds of no activity.

03

OFF ACC ON START



IF THE BRAKE PEDAL IS POWERED BY IGNITION (OR IF YOU'RE UNSURE), Turn ignition ON.

MOST VEHICLES BRAKE LIGHTS ILLUMINATE WITH THE IGNITION OFF, IN WHICH CASE, YOU CAN SKIP THIS STEP

04



Hold the brake pedal for 2 seconds

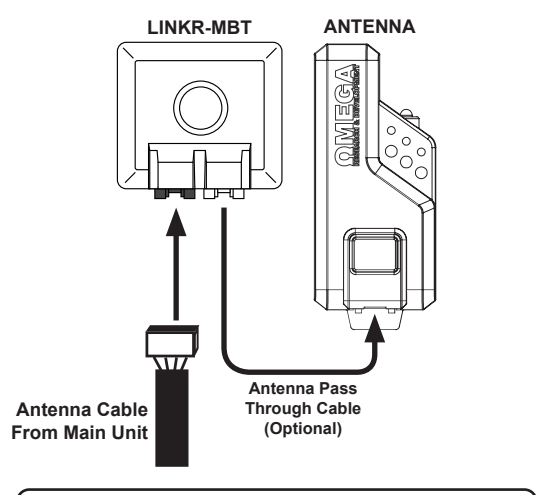
- The siren/horn will chirp and the parking lights will flash 1 time.
- The status light will turn off.
- All features are rest and the system has exited programming.

PROBLEMS? Contact Tech Support!

Phone: 800-921-TECH (8324)
Web: [OmegaDealer.com](https://omegadealer.com) | [WireSheet.com](https://wiresheet.com)
FaceBook dealer tech group: [Facebook.com/groups/omegadealer](https://facebook.com/groups/omegadealer)
Corporate Site / Product Info: [CarAlarm.com](https://caralarm.com)

Programming With LINKR-MOBILE App

- LINKR-MOBILE devices connect to the antenna cable for installers to gain quick programming access.
- Use included cable to connect antenna to the pass through port for permanent install and get unlimited control & sharing access for the price of a backup fob!
- Settings are saved to your account to aid Omega support staff on tech support calls!



Antenna Cable From Main Unit

Antenna Pass Through Cable (Optional)

LINKR-MOBILE:

- Program Faster & More Accurately!
- Update Firmware
- All While Installed!



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Programming With Weblink

- Program features with the OL-LOADER or OL-USB-HUB using the weblink desktop app.
- Visit [OmegaWebink.com](https://omegawebink.com) to learn how!

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