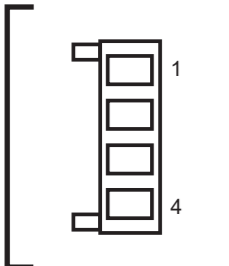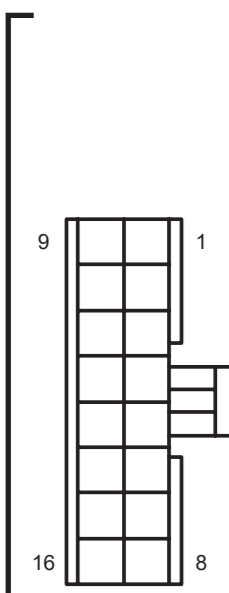# AL-XX70 Wire Diagram

A — BACKUP BATTERY PORT - Uses standard 9v battery (not included) with included bracket & plug.
Featuring PowerMaze technology - It only supports security critical functions!

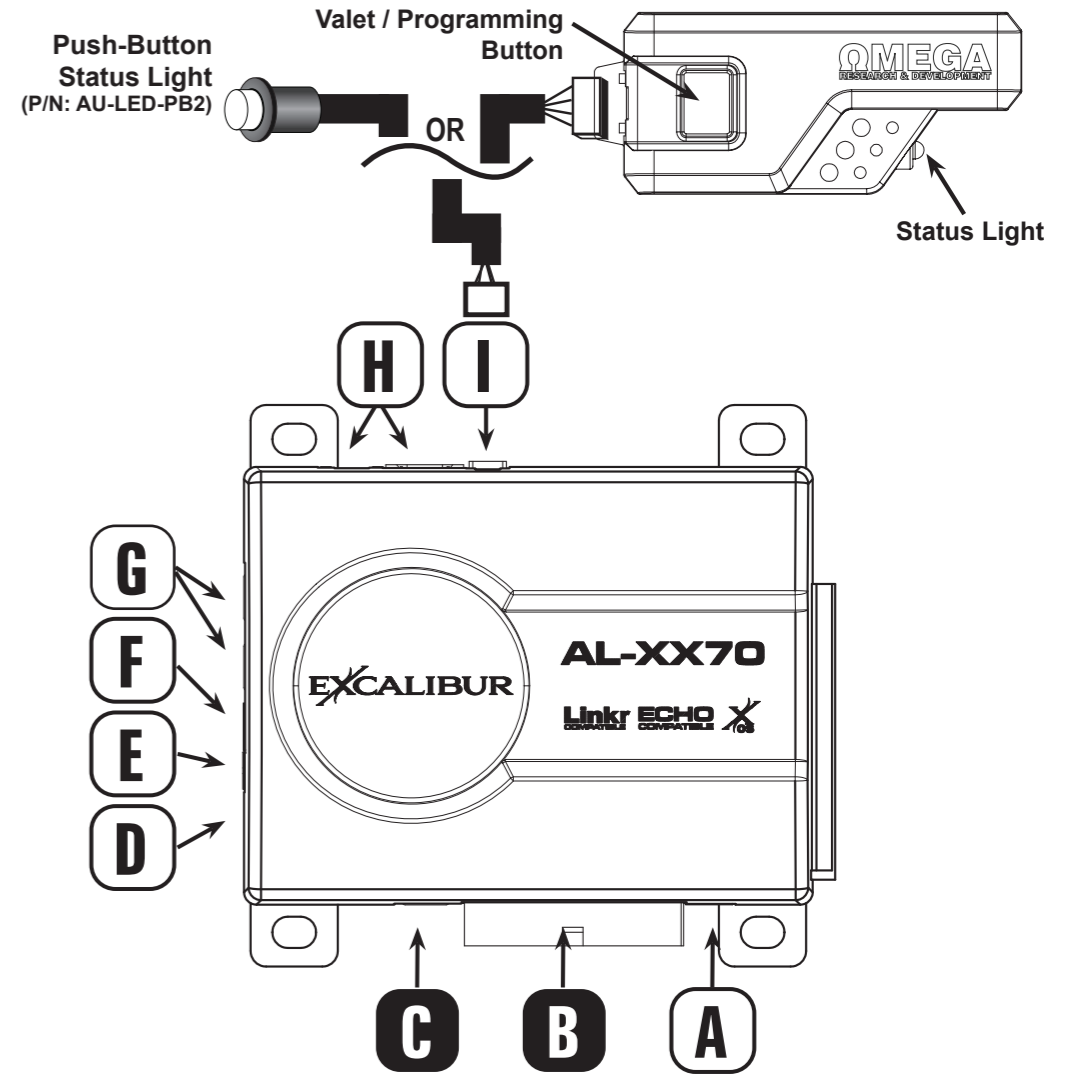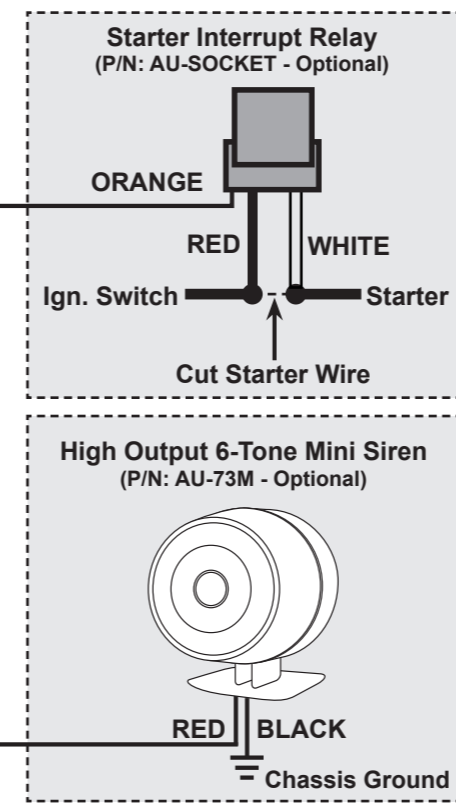### WHITE 16 PIN MAIN INPUT/OUTPUT HARNESS (P/N: H-AL16B)

PIN	POL.	COLOR	FUNCTION	REQUIRED	DATA*
1	(-)	WHITE/BLACK	Light Flash - OUTPUT (250ma)		✔
2	(-)	BROWN/BLACK	Horn Honk - OUTPUT (250ma)		✔
3	(-)	ORANGE	Starter Kill - OUTPUT (500ma)		
4	(-)	PINK	3rd Channel - OUTPUT (250ma)		✔
5	(-)	GRAY	Trunk Relaese - OUTPUT (250ma)		✔
6	(+)	BROWN	Siren - OUTPUT (1A)		
7	(+)	WHITE	Light Flash - OUTPUT (10A Fused)		✔
8	(+/-)	WHITE/RED	Light Relay ** Relay Pin 87a - INPUT		
9	(+/-)	BLACK/RED	Light Relay ** Relay Pin 87 - INPUT		
10	(+/-)	GREEN/VIOLET	Light Relay ** Relay Pin 30 - OUTPUT (10A)		
11	(-)	BLUE	Hood Trigger - INPUT		✔
12	(+)	VIOLET	Door Trigger - INPUT		✔
13	(-)	GREEN	Door Trigger - INPUT		✔
14	(+)	YELLOW	Ignition Status - INPUT		✔
15	(-)	BLACK	System Ground - INPUT	✔	
16	(+)	RED	System Power - INPUT (15A - Fused)	✔	

B

9 ... 1
16 ... 8

C — RED 4 PIN DOOR LOCK/UNLOCK HARNESS (P/N: DLP-N4)

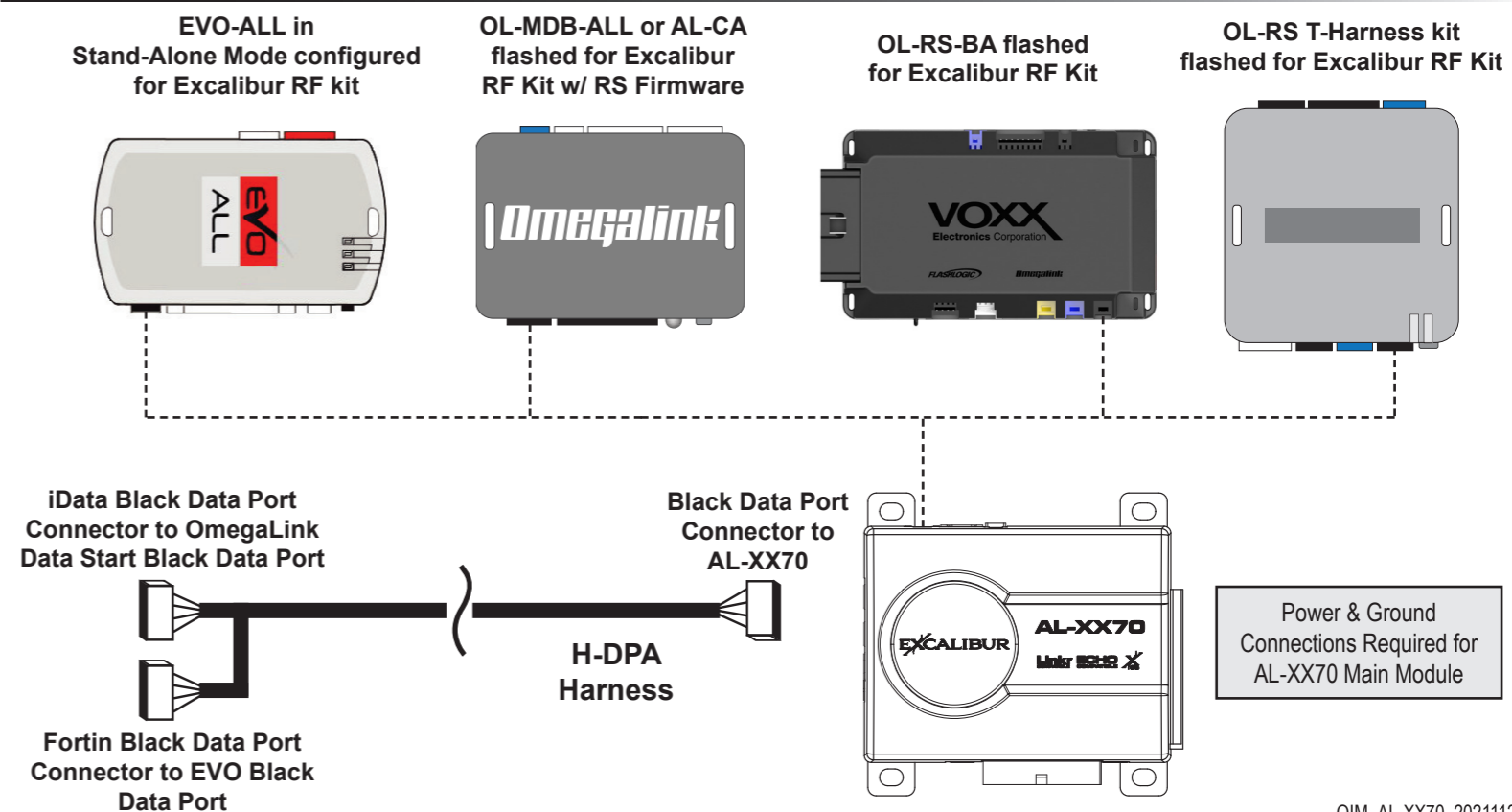| PIN	POL.	COLOR	FUNCTION	DATA*
1	(-)	GREEN	Lock Pulse - OUTPUT (250ma)	✔
2	(+)	EMPTY PIN	Constant +12V Supply To Plug-in Door Lock Adapters - OUTPUT (500ma)	
3	(-)	BLUE	Unlock #1 Pulse - OUTPUT (250ma)	✔
4	(-)	PINK	Unlock #2 Pulse - OUTPUT (250ma)	✔

* ✔ = The function is supported via the data ports. Confirm vehicle support in interface module install guide.
** The Light Relay function is programmable, see installer feature #2 for other options.

Starter Interrupt Relay (P/N: AU-SOCKET - Optional)
ORANGE
RED   WHITE
Ign. Switch   Starter
Cut Starter Wire

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

Push-Button Status Light (P/N: AU-LED-PB2) — OR — **Valet / Programming Button** — OMEGA — Status Light

H I
G
F
G F E
E
D

EXCALIBUR AL-XX70
Linkr ECHO X

C B A

D — TEMPERATURE SENSOR - DO NOT COVER
(For high/low temp auto start and 2-way remote temp request)

E — WHITE 2 PIN LED PORT - For optional remote mount status LED

F — BLUE 2 PIN VALET PORT - For optional hidden valet button

G — WHITE 4 PIN PLUG-IN SENSOR PORTS (harness included w/ optional sensors)

H — GREEN & BLACK DATA PORTS - For Telematics / Data Sensor / Vehicle Interface Module. (DBI & iDatalink protocols supported on both ports - installer feature #4)

I — ANTENNA / STATUS LIGHT / VALET PORT - Supports any compatible plug-in antennas or push-button status light (P/N: AU-LED-PB2)

Using AL-XX70 and Data Start/RS Firmware

EVO-ALL in Stand-Alone Mode configured for Excalibur RF kit

OL-MDB-ALL or AL-CA flashed for Excalibur RF Kit w/ RS Firmware

OL-RS-BA flashed for Excalibur RF Kit

OL-RS T-Harness kit flashed for Excalibur RF Kit

EVO ALL | Omegalink | VOXX Electronics Corporation

iData Black Data Port Connector to OmegaLink Data Start Black Data Port

Black Data Port Connector to AL-XX70

H-DPA Harness

Fortin Black Data Port Connector to EVO Black Data Port

EXCALIBUR AL-XX70
Linkr ECHO X

Power & Ground Connections Required for AL-XX70 Main Module

QIM_AL-XX70_20211129

EXCALIBUR
REMOTE START & SECURITY PERFECTED

AL-XX70 QUICK REFERENCE

PROGRAMMING GUIDE (FOR FIRMWARE v1.6)

visit www.OmegaWeblink.com to get the latest firmware
visit www.OmegaDealer.com to download a complete guide

Scan To Download the full installation guide from OmegaDealer.com!
(login required)

Programming Features Manually

1. **Turn the ignition key "ON", then "OFF".**
2. **Press the valet button** equal to the desired bank (press 5x for Bank 5, etc.)
   - This must be done within 5 seconds of step 1.
   - The siren/horn will chirp & the status light will flash indicating the selected bank (see bank header).
   - NOTE: You cannot move from bank to bank. You must start over to change banks.
   - NOTE: When accessing BANK 10 (Installer), you will hear a long chirp after 5 presses (User features). Continue presses 6-10 without delay. You will hear a 2nd long chirp after 10 presses.
3. **Press the valet button** equal to the desired feature's number.
   - The siren/horn will chirp equal to the selected feature.
   - Finish presses before hearing any chirps. EXAMPLE: press the valet 5x, then you'll hear 5 chirps.
4. **Press the transmitter button** to select the desired setting.
   - 1-BUTTON MODELS: Change the feature by pressing the transmitter button equal to the desired setting. Complete all presses before hearing any chirps.
   - The siren/horn will chirp equal to the selected setting.
5. **Repeat steps 3 & 4** at this time IF you wish to change additional features.
6. **Turn the ignition key "ON" then "OFF"** to exit programming.
   - NOTE: The system will exit automatically at any time after 10 seconds of no activity.

SCAN TO WATCH HOW-TO VIDEO

Programming Transmitters

Standard Programming: Use this method to program additional or replacement transmitters.
BEFORE YOU BEGIN: Have all transmitters which are to operate the system at hand.
1. **Turn the ignition key "ON"** (do not start).
2. **Press the valet button 5 times** within 5 seconds of step 1.
   - The horn will briefly sound
3. **Press & release the "lock" button** on each transmitter one after the other.
   - 1-button models, press the "start" button.
   - The siren/horn will chirp once for each transmitter.
   - NOTE: When the first new transmitter is learned all previous transmitters are erased.
   - NOTE: All other button functions will automatically be assigned.
4. **Turn the ignition key "OFF".**
   - NOTE: The system will exit automatically at any time after 10 seconds of no activity.

SCAN TO WATCH HOW-TO VIDEO

Alarm Diagnostics

Alarm Quick Test Mode: Use this mode to test all zones of the alarm system and quickly adjust any sensors.
1. **Press & hold the valet button**.
2. **Press the Lock button on the remote** within 2 seconds of step 1 (before the system enters valet mode).
   - The LED will begin to flash rapidly.
3. **Release the valet button**.
   - The siren/horn will chirp indicating all alarm zone violations. See the table below.
   - NOTE: Chirps will repeat every 2 seconds while the trigger remains violated.
   - NOTE: If multiple zones are triggered the chirps will cycle thru the zones every 2 seconds then repeat.
4. **Press Lock or Unlock on the controller or power cycle the system to exit.**
   - NOTE: There is no exit timer to this feature, chirps will continure until the zone is clear or the mode is exited.

SCAN TO WATCH HOW-TO VIDEO

Zone Violation Recall: To diagnose alarm triggers, disarm/unlock the alarm with the remote and the status LED will flash to indicate which zone(s) were triggered last. Turn the ignition key "ON" to clear alarm trigger memory.

LED Flashes/Chirps	Alarm Quick Test	Zone Violation Recall
1	Sensor Full Trigger	-
2	Hood	Hood
3	Door	Door
4	Sensor Warning	Sensor Port Trigger

SCAN TO WATCH HOW-TO VIDEO

Features Banks

BANK 5 - User Features: Ignition on, off, press valet 5 times (Long chirp/fast LED flash)

# Feature	Lock Button	Unlock Button	Trunk Button	Start Button	Lock + Unlock	Trunk+Start
1 External Remote Start Run Time	3 min	10 min	15 min	20 min	30 min	35 min
2 Flashing Light Upon Disarm	30 Seconds	Off (Flash)				
3 Confirmation Chirp Volume	Low	Med-Low	Med-High	High		
4 BROWN wire / HORN pulse	BROWN: Steady Pulse MED	BROWN: Pulse LO	BROWN: Pulse MED	BROWN: Pulse HIGH	BROWN: Steady HORN: Human Panic!	
5 Lock w/ Ignition On	On	Off				
6 Unlock w/ Ignition Off	Off	Unlock #1	Unlock #2	Unlock #1 & #2		
7 Door Open Bypass for Feat. #5	On	Off				
8 Unlock w/ Trunk Release	On	Off				
9 Last Door Arming	Off	On w/o Lock	On w/ Lock			
10 Automatic Rearming	Off	On w/o Lock	On w/ Lock	Enhanced		
11 Confirmation Chirps	Siren + Horn	Siren Only	Horn Only	On Demand	Off	
12 Ignition Anti-Carjacking	On	Off				
13 Door Anti-Carjacking	On	Off				
14 Remote Anti-Carjacking	On	Off				
15 Override Code	See operation guide for programming instructions. DEFAULT: 1,0					
16 Ignition Override	On	Off				
17 Alarm Trigger Duration	30 sec	60 sec	90 sec	120 sec		
18 Arming Delay	3 sec	15 sec	30 sec	45 sec		
19 Open Door Warning Upon Arming	On	Off				
20 RFID Anti-Carjacking (410-07 TX)	On	Off				

CONVENIENCE / SECURITY

BANK 10 - Installer Features: Ignition on, off, press valet 10 times (2nd Long chirp/fast LED flash)

# Feature	Lock Button	Unlock button	Trunk button	Start button	Lock + Unlock	Trunk + Start
1 PINK Wire / Data RS Activation	0.8sec Pulse & Data Start: 1 Press	0.8sec Pulse & Data Start: 2 Press	0.8sec Pulse & Data Start: 3 Press	0.8sec Pulse & Data Start: 4 Press	0.8 sec Defrost Pulse / Data Start 2 Press	10 min Defrost Pulse / Data Start 2 Press
2 Light Relay Function	Dome Light	Light Flash	Trunk	Horn	CH5 Pulse	CH5 Latch
3 Door Lock/Unlock Outputs	0.8 sec	3 sec	Double Unlock	Total Closure		
4 Data Port Protocol	Green: DBI Black: DBI	Green: iData Black: iData	Green: DBI Black: iData	Green: iData Black: DBI		
5 Alarm Functions	On	Off	Off-Unlock Only			
6 WHITE/BLACK | BROWN/BLACK Wire Functions	Light Flash | Horn	Light Flash | CH5 Pulse	CH4 Pulse | Horn	CH4 Pulse | CH5 Pulse	CH4 Latch | CH5 Pulse	CH4 Pulse | CH5 Latch
7 Lock On Prewarn	On	Off				
8 Starter Interrupt	Alarm Only	Off	Automatic			
9 Low Current Mode	On	Off				

FEATURE SETTING KEY: Default Setting

INSTALLER ONLY

TIP: You can program features via your computer at www.OmegaWeblink.com

Features Reset

1. **Enter Bank 10 feature programming** (Installer features - DO NOT SELECT ANY FEATURES).
2. **Press LOCK + UNLOCK**
   - 1-button/2-button models: Press the START button 5 times
   - You will hear a long siren chirp to indicate reset & exit programming.

SCAN TO WATCH HOW-TO VIDEO

Using AL-XX70 and Data Start/RS Firmware

The AL-XX70 can be installed as an alarm upgrade for OmegaLink data start units (flashed for "Excalibur RF kit"). Use the chart below to see compatible models, which protocols to use. You can use either data port on the AL-XX70 to free up the other for additional accessories.

Compatible Data Start	AL-XX70 Protocol	Data Start RF Kit Selection	Data Start Data Port
OL-MDB-ALL w/RS Firmware	DBI	Excalibur RF Kit	Black
OL-RS-BA	DBI	Excalibur RF Kit	Black
OL-RS (T-Harness Kits)	DBI	Excalibur RF Kit	Black
EVO-ALL in Stand-Alone Mode	DBI	H4 (FLRF)	Black
AL-CA w/RS Firmware	DBI	Excalibur RF Kit	Black