EXCALIBUR RS-450-EDP+

DELUXE KEYLESS ENTRY & REMOTE START SYSTEM

Transmitter/Controller Operations:
LOCK: Press and release "lock" once
UNLOCK: Press and release "unlock" once
TRUNK RELEASE/2ND CH: Press "trunk" for 3 seconds
REMOTE START: Press "start" twice in 5 seconds
   (see installer feature #1 for options)
PANIC: Press "lock" or "unlock" for 3 seconds
SILENT LOCK/UNLOCK: Press "trunk" twice in 5 seconds

The 1-Way Transmitter
Part number: 1410-07
Battery: CR2032
Frequency: 900MHz

1. LOCK button
2. UNLOCK button
3. TRUNK button
4. START button

Technology

ECHO TECHNOLOGY   CarLink BY OMEGA COMPATIBLE

Feature Programming:

1. Turn the ignition key "on, then "off"
2. Within 7 seconds of step 1, press the valet switch 5 times (user features) or 10 times (installer features). This siren/horn will sound.
3. Press the valet switch the number of times equal to the feature number you wish to access.
4. Press the controller/transmitter button that corresponds to the desired setting.
5. To change additional features, repeat steps 3-4.
6. To exit programming, turn the ignition key "on", then "off" or the system will exit automatically if there is a 10 second delay between any steps.

Tach Learning Procedure:

1. Turn the ignition key "on"
2. Within 10 seconds of step 1, press the brake pedal 5 times. The siren/horn will chirp 5 times.
3. Start the engine with the key. When tach is successfully learned, the status light will turn on solid.
4. If you need to relearn a later tach signal due to cold start/high idle, you can press the valet switch once to learn the current tach signal. The status light will turn off and back on to indicate it has relearned.
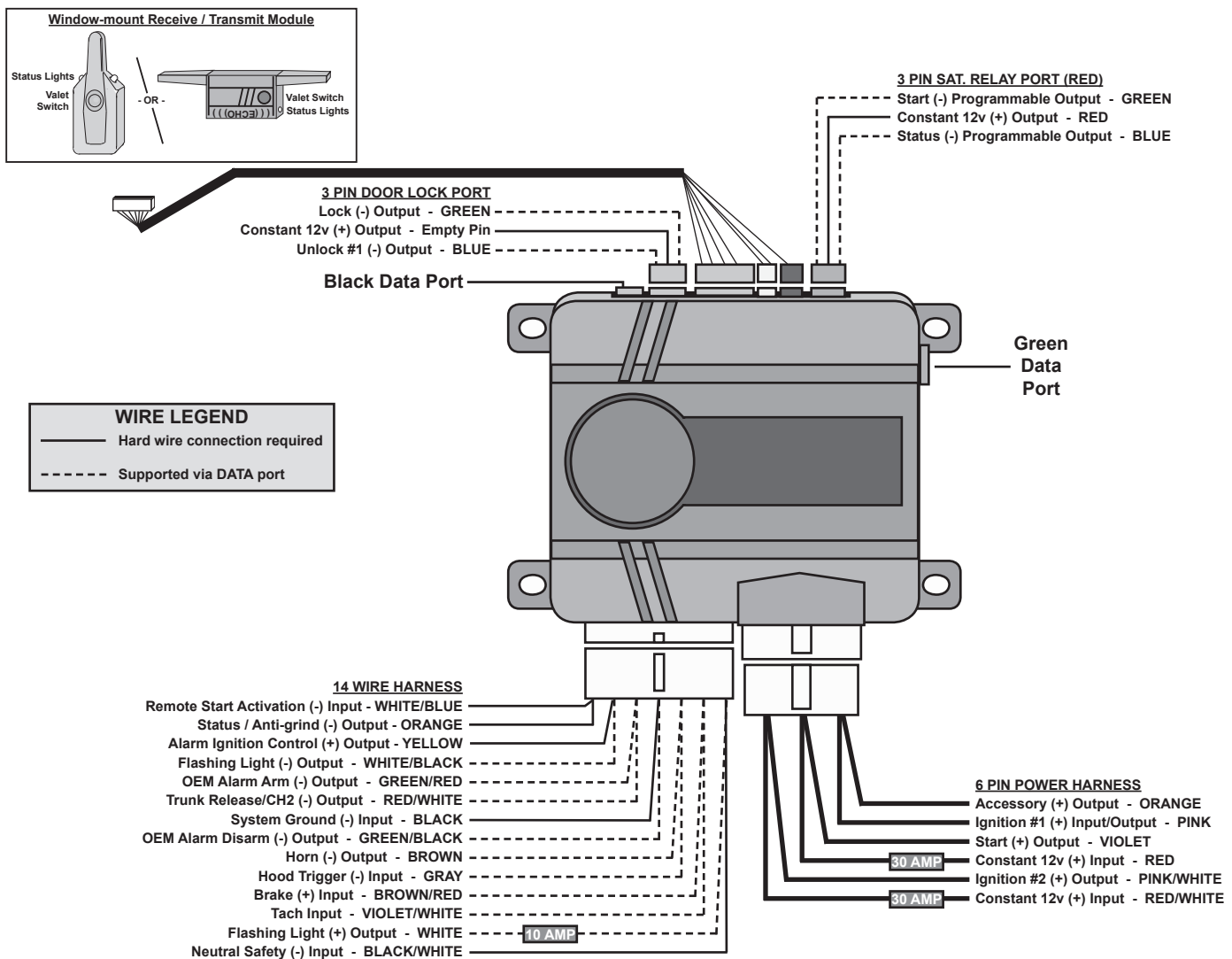
Programming Controllers/Transmitters:

1. Be sure to have all controllers/transmitters present and be sure the system is in a disarmed/unlocked state.
2. Turn the ignition key "on".
3. Within 7 seconds of step 1, press the valet switch 5 times. The siren/horn will sound.
4. Press LOCK on one transmitter/controller until you hear a single chirp.
5. Repeat step 4 for each transmitter/controller to be programmed.
6. To exit programming, turn the ignition key "off" or the system will exit automatically if there is a 10 second delay between any steps.

Programmable Features Matrix

User Feature Programming: Ignition on, off, press valet 5 times

# Feature	Lock Button	Unlock button	Trunk button	"START" button
1 Engine Run Time	10	5	15	20
2 RS Light Confirmation	Steady	Flashing		
3 Horn Honk Volume	Low	Hi	On Demand	OFF
4 Pulse Horn/Steady Siren	Pulse LO	Pulse MED	Pulse HI	Steady Siren
5 Lock w/ IGN on	On	Off		
6 Unlock w/ IGN Off	On	Off		
7 Unlock w/ Trunk release	On	Off		

Installer Feature Programming: Ignition on, off, press valet 10 times

# Feature	Lock Button	Unlock button	Trunk button	"START" button
1 Remote Start Activation	1 press	2 presses	3 presses	4 presses
2 PINK/WHITE Wire Function	Ignition	Accessory	Start	
3 Engine Detection	Tachless Hi	Tachless Lo	Tach Wire	Datatach
	Crank Only (press Lock + Unlock)			
4 Gas or Diesel Engine	Gas	Diesel (15 sec.)	Diesel (20 sec.)	Diesel (30 sec.)
5 Sat. Port Green Wire Function	Start	Pulse after start	Status	Dome Light
6 Sat. Port Blue Wire Function	Status	Ignition		
7 Crank Time	0.7 sec	1 sec	1.5 sec	2.25 sec
8 Low Temp Crank Extender	0ms	200ms	300ms	400ms
9 Door lock outputs	0.8 sec	3 sec	Double Unlock	Total Closure
10 Remote Start Lock Control	Off	Lock after start	Unlock before start	Both
11 Turbo Timer	Off	1 min	2 min	3 min
12 Manual Transmission	On	Off		
13 Data Port Protocol	D2D (Trilogix)	ADS (iData)		

Window-mount Receive / Transmit Module

Status Lights
Valet Switch

- OR -

Valet Switch
Status Lights

(ECHO)

3 PIN SAT. RELAY PORT (RED)
Start (-) Programmable Output - GREEN
Constant 12v (+) Output - RED
Status (-) Programmable Output - BLUE

3 PIN DOOR LOCK PORT
Lock (-) Output - GREEN
Constant 12v (+) Output - Empty Pin
Unlock #1 (-) Output - BLUE

Black Data Port

Green Data Port

WIRE LEGEND
Hard wire connection required
Supported via DATA port

14 WIRE HARNESS
Remote Start Activation (-) Input - WHITE/BLUE
Status / Anti-grind (-) Output - ORANGE
Alarm Ignition Control (+) Output - YELLOW
Flashing Light (-) Output - WHITE/BLACK
OEM Alarm Arm (-) Output - GREEN/RED
Trunk Release/CH2 (-) Output - RED/WHITE
System Ground (-) Input - BLACK
OEM Alarm Disarm (-) Output - GREEN/BLACK
Horn (-) Output - BROWN
Hood Trigger (-) Input - GRAY
Brake (+) Input - BROWN/RED
Tach Input - VIOLET/WHITE
Flashing Light (+) Output - WHITE
Neutral Safety (-) Input - BLACK/WHITE

10 AMP

6 PIN POWER HARNESS
Accessory (+) Output - ORANGE
Ignition #1 (+) Input/Output - PINK
Start (+) Output - VIOLET
Constant 12v (+) Input - RED
Ignition #2 (+) Output - PINK/WHITE
Constant 12v (+) Input - RED/WHITE

30 AMP
30 AMP

RS-450-EDP+ Parts List

Part Number	Description
REC-1N900	Window mount antenna module
H-RS6B	6-pin/wire main power harness
H-RS14A	14-pin/wire secondary harness
H-ANT-ECHO-COLOR	Antenna module harness
DLP-N3	3-pin/2-wire door lock/unlock harness
RS-OUTPUT	3-pin/3-wire satellite relay port harness
AU-47	Pinswitch