Description: American Door Lock Interface & GM Immobilizer Override

Functions: Lock/Unlock, Driver's Priority Unlock, Trunk/Hatch, Sliding Door Left & Right , OEM Security Alarm Arm/Disarm, Data to Analogue Door Trigger Output (-) **GM ONLY:** Override GM Passkey3 Transponder Immobilizer & Passlock 2 Immobilizer via data bus

Downloadable Firmware for Platform #01: AMDL, FODL, GMDL6, GMDL7, HODL4, HYDL, KIADL, KIADL2, TOYDL, VWDL, VWDL2

WARNING: Before beginning your install go to www.XPRESSKIT.com and be sure to print the LATEST corresponding installation manual for the firmware that is flashed to the platform you are using.

SEE WIRE CONNECTION GUIDE FOR DETAILED INFORMATION REGARDING WIRE FUNCTIONALITY

Section A

Fig. 2

Relay wiring for Windows Roll-Up Option

Fig. 1: TYPE 4 ONLY
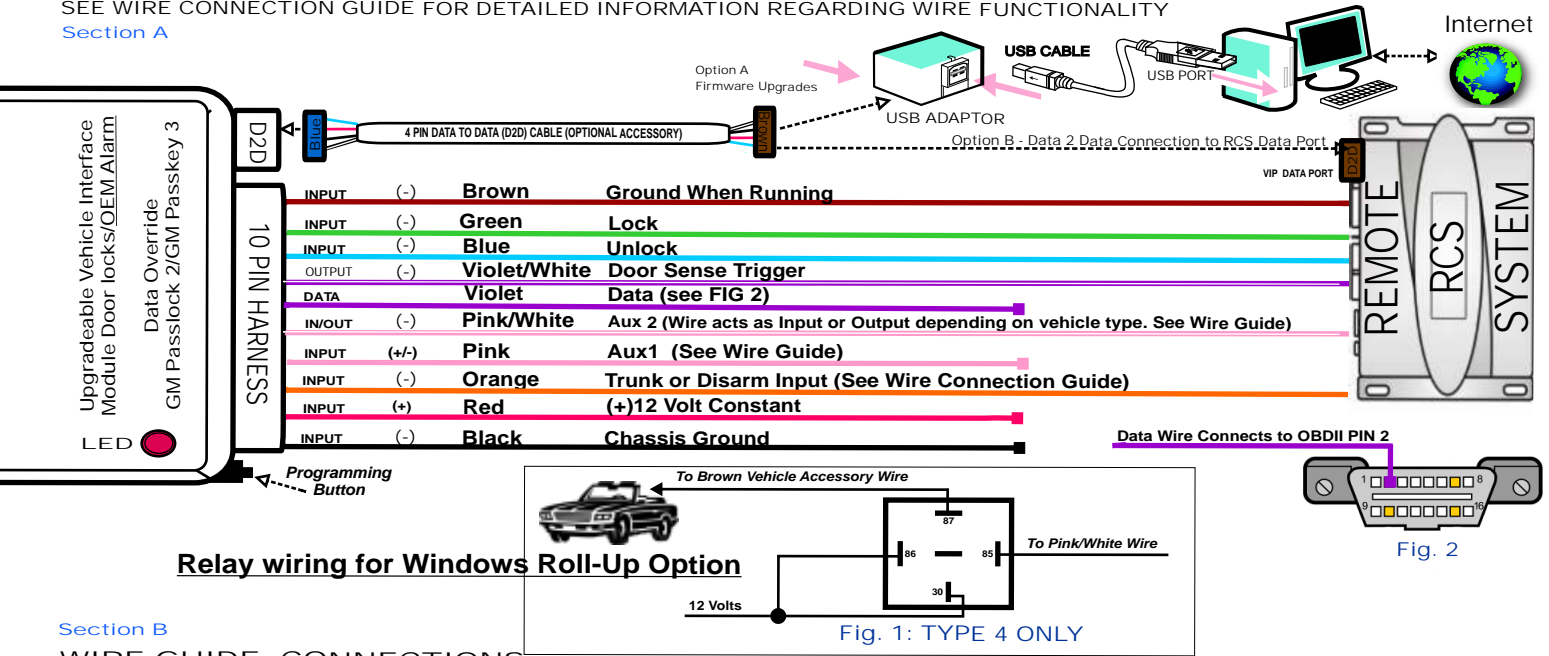
Section B

WIRE GUIDE: CONNECTIONS

10 PIN HARNESS → D2D = Optional use of 4 Pin Data to Data (D2D) cable will replace the analogue wire (w2w) connection

PIN	WIRE COLOR	VEHICLE TYPE	D2D w2w	I/O STATUS	(-) /(+)	Connect Location	SPECIFIC WIRE CONNECTION LOCATION	ACTIVATION and/or FUNCTIONALITY
1	Brown	1 to 4	D2D w2w	Input	(-)	RCS	Ground When Running Output of Remote Starter	OEM Security Arm/ Disarm + Immobilizer Bypass + Defrost + Heated Seats at 32ºF (0ºC)
		5 to 7	D2D w2w	Input	(-)	RCS	Ground When Running Output of Remote Starter	OEM Security Arm/Disarm + Defrost + Heated Seats at 32ºF (0ºC)
2	Green	1 to 5	D2D w2w	Input	(-)	RCS	Lock Output wire	-Locks All Doors -Window Roll-Up Feature: Activated with 2ND press of aftermarket remote (See User Settings, MODE 5)
		6 to 7	D2D w2w	Input	(-)	RCS	Lock Output wire	Locks All Doors
3	Blue	All Types	D2D w2w	Input	(-)	RCS	Unlock Output wire	Unlocks All Doors (See User Setting, MODE1)
4	Violet/ White	All Types	D2D w2w	Output	(-)	RCS	Door Sense Trigger Input wire	Detects Door status (Open/Close) via data bus: then converts to an analogue output (-)
5	Violet	All Types		Data		Vehicle	On Board Diagnostic Connector (OBDII) PIN 2 (See Fig.2)	Data Commands from Module to Vehicle
6	Pink/ White	Type 4	w2w	Output	(-)	Vehicle	Connect to Vehicle's Brown Accessory Wire	Window Roll-Up (Relay Required, See Fig. 1)
		Type 7	D2D w2w	Input	(-)	RCS	AUX 2 Output	1sec. (-) Pulse Left Sliding Door Open/Close (See User Settings, MODE 3)
		1,2,3,5,6	N/C	N/C	N/C	N/C	N/C	N/C
7	Pink	1 & 4	w2w	Input	(+/-)	Vehicle	Connect to Domelight (2 Door Vehicle N/A)	Domelight = Rear Door Detection (See User Settings, MODE 2)
		Type 2	D2D w2w	Input	(-)	RCS	AUX 1 Output	Opens Fuel Door
		Type 7	D2D w2w	Input	(-)	RCS	AUX 1 Output	1 sec. (-) Pulse Right Sliding Door Open/Close (See User Settings, MODE 2)
		3,5 & 6	N/C	N/C	N/C	N/C	N/C	N/C
8	Orange	1, 4 & 5	D2D w2w	Input	(-)	RCS	Disarm Output	Connect if vehicle does not disarm upon remote start
		2,3,6 & 7	D2D w2w	Input	(-)	RCS	Trunk Release Output	Trunk Release
9	Red	All Types	D2D w2w	Input	(+)	Vehicle	Constant (+) 12 Volt Source	Power Source
10	Black	All Types	D2D w2w	Input	(-)	Vehicle	Chassis Ground	Ground Source

LEGEND: RCS = Remote Control System   N/C = No Connection   N/A = Not Applicable   W2W= analogue wire to wire   D2D= data 2 data

DATA to DATA PORT (D2D) : **Blue connector** of D2D Cable plugs into the upgradeable vehicle interface module.
OPTION A: - This option is used to connect to the USB Bootloader adaptor & computer to download & flash vehicle interface firmware.
OPTION B: - This option is used when two D2D compatible vehicle interface modules or systems communicate with each other.
Compatible remote control systems can securely communicate via the D2D cable to transmit & receive data commands which initiate specific vehicle function such as door locks & immobilizer override and /or request information from the vehicle such as status of entry points (doors) or ambient temperature, diesel glow plug etc… D2D protocol represents the doorway to vehicle integration...As an enhanced security feature, this upgradeable vehicle interface module automatically detects when the D2D protocol is present and deactivates the analogue override input wire (brown wire) ensuring that this module can only be activated by an authorized user.

Platform # 01 — Firmware: AMDL

Description: American Door Lock Interface & GM Immobilizer Override

Section C

VEHICLE TYPE PROGRAMMING:

*The interface kit is designed to operate on any one of 7 possible vehicle types. Once the 10 pin harness wires have been connected, the next step is to program the interface module to operate on the appropriate vehicle type. *Refer to the Vehicle Type Chart..*

1) Plug the 10 PIN harness into the module. LED will turn ON solid.
2) Turn the ignition key to the ON position. LED will turn off then it will begin a flash pattern that matches the vehicle type selection.
   (The default vehicle type selection is Type 1.)
   *If the module has already been programmed to the vehicle, LED will flash 4 times. If this happens, skip to step 4.
3) To change the vehicle type, press and release the program button until LED flash pattern matches the selected vehicle type.
   LED flash pattern will match the Vehicle Type selected. Example: 1 flash = Type 1, 2 flashes = Type 2 and so on.
4) To save the vehicle type selection, press and hold the program button until the LED flashes rapidly. The module will then exit the programming. The module is now programmed.*If LED comes on solid, turn the key to start the engine.

Section D

VEHICLE TYPE CHART:

VEHICLES	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997
BUICK											
Le Sabre			2	2	2	2	2	2			
Park Avenue			3	3	3	3	3	3	3	3	3
Rainier	1	1	1	1							
Ultra			3	3	3	3	3	3	3	3	
CADILLAC											
CTS	2	2	2	2	2						
DeVille		3	2	2	2	2	2	2	2	2	
Escalade		4	4	4	4						
Seville SLS		3	3	3	3	3	3	2	2	2	
Seville STS		3	3	3	3	3	3	2	2	2	
SRX		2	2	2							
CHEVROLET											
Avalanche		4	4	4	4						
*Impala LS			*2	*2	*2	*2	*2	*2			
*Monte Carlo			*2	*2	*2	*2	*2	*2			
Silverado	4**	4	4	4	4						
SSR		1	1	1							
Suburban		4	4	4	4						
Tahoe		4	4	4	4						
TrailBlazer		1	1	1	1	1					
CHRYSLER											
Pacifica	6	6	6	6							
Town & Country	7	7	7	7							

VEHICLES	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998
DODGE										
Caravan	7	7	7	7						
Grand Caravan	7	7	7	7						
GMC										
Envoy	1	1	1	1	1	1				
Sierra 1500, 2500, 3500	4**	4	4	4	4					
Yukon Denali		4	4	4	4					
HUMMER										
H2	4	4	4	4	4					
ISUZU										
Ascender	1	1	1	1	1					
JEEP										
Grand Cherokee				5	5	5	5	5	5	
Grand Cherokee Ltd				5	5	5	5	5	5	
Liberty	7	7	7							
OLDSMOBILE										
(with factory remote only) *Alero				*2	*2	*2	*2	*2	*2	
Aurora						2	2	2		
Bravada						1	1	1		
PONTIAC										
Bonneville			2	2	2	2	2	2		
(with factory remote only) *Grand Am				*2	*2	*2	*2	*2		
SAAB										
9-7X	1	1								

*In some cases the AMDL may only bypass the Passlock II via data. Once programmed, test the door lock inputs to determine if the AMDL will activate these functions via DATA (multiplexed). If there is no activation, then the door lock system is resistance based and will need to be controlled via analog.
**AMDL can be used only if PIN#2 (Violet Wire) is found at the ODBII connector in vehicle.

Section E

USER SETTINGS - OPTIONAL PROGRAMMING:

USER MODES ARE IDENTIFIED BY A SLOW LED FLASH PATTERN. 1 SLOW FLASH=MODE1, 2 SLOW FLASHES=MODE 2 ETC.

1) Turn the ignition key to the OFF position.

2) To access USER MODES: Press & Hold the programming button until the LED flashes rapidly, then release.

3) To select a MODE: Press & Release the program button until the slow LED flash pattern matches the required MODE selection:
   Ex: 1 SLOW flash = MODE 1, 2 SLOW flashes = MODE 2.

4) To change the MODE OPTION: Press the LOCK or UNLOCK button on the aftermarket transmitter.
   LED will confirm selection of OPTION 1 with one fast flash or OPTION 2 with two fast flashes and so on.

5) To Save & Exit : Push & Hold the programming button until LED flashes once.

= Default

MODE 1 =	*OPTION 1: 1st Pulse Unlock All Doors*	*OPTION 2: 1st Pulse Unlock Driver Door, 2nd Pulse Unlock All Doors*
MODE 2=	*OPTION 1: (aux1) Pink Wire Negative	OPTION 2: (aux1) Pink Wire Positive
MODE 3 =	*OPTION 1: (aux2) Pink/White Wire Negative	OPTION 2: (aux2) Pink/White Wire Positive
MODE 4 =	*OPTION 1: (aux2) Pink/White Wire Output	OPTION 2: (aux2) Pink/White Wire Input
MODE 5 =	*OPTION 1: Window Roll-Up OFF	OPTION 2: Window Roll-Up ON
MODE 8 =	*OPTION 1: N/A	OPTION 2: Reset Mode With Unlock Button

INSTALLATION NOTES:

! The module will detect all door triggers through the data line. When the module detects an open door through the data line, it will send a negative pulse (-) trigger on the PURPLE/WHITE wire (Door trigger output).

! For Type 1 and 4 vehicles, the front doors and rear hatch ONLY are monitored via the data line. The rear doors are triggered separately and are not monitored via the data line. You need to use the PINK wire to detect rear doors (Option Programming Mode 2). These wires are usually found at the BCM

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IM-01 — Compatibility Chart

Make	Model	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997
Buick	LeSabre											
	Park Avenue		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Rainier	✓	✓	✓	✓	✓	✓	✓				
	Ultra											
Cadillac	CTS					✓	✓	✓				
	DeVille		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Escalade		✓	✓	✓	✓	✓	✓				
	Seville		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SRX		✓	✓	✓	✓						
Chevrolet	Avalanche	✓	✓	✓	✓	✓	✓	✓				
	Impala		✓	✓	✓	✓		✓	✓			
	Monte Carlo		✓	✓	✓			✓	✓			
	Silverado						✓					
	Silverado Classic	✓										
	SSR		✓	✓	✓	✓						
	Suburban	✓	✓	✓	✓	✓	✓	✓	✓			
	Tahoe	✓	✓	✓	✓	✓	✓	✓	✓			
	TrailBlazer	✓	✓	✓	✓	✓	✓					
Chrysler	Pacifica	✓	✓	✓	✓							
	Town & Country											
Dodge	Caravan				✓							
	Grand Caravan		✓	✓	✓							
GMC	Envoy	✓	✓	✓	✓	✓	✓					
	Sierra											
	Sierra Classic	✓										
	Yukon		✓	✓	✓	✓	✓	✓	✓			
Hummer	H2		✓	✓	✓	✓						
Isuzu	Ascender	✓	✓	✓	✓							
Jeep	Grand Cherokee				✓	✓	✓	✓	✓	✓		
	Grand Cherokee Limited											
	Liberty	✓	✓	✓	✓	✓						
Oldsmobile	Alero				✓	✓	✓	✓				
	Aurora							✓	✓			
	Bravada			✓	✓	✓						
Pontiac	Bonneville											
	Grand Am				✓	✓	✓	✓	✓	✓		
Saab	9-7X	✓	✓									

Number of keys required to program kit: 1

Number of keys required for kit operation: 0

IM-01

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