



Update Alert: Firmware updates are posted on the web on a regular basis. We recommend that you check for firmware and/or install guide updates prior to installing this product.

Installation Guide

Door lock control and transponder override firmware compatible with Acura and Honda vehicles. Controls and monitors standard factory security and convenience features such as door locks, alarm, sliding doors, hood and trunk status, as well as tach output plus data transponder interface.



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Vehicle Application Guide

The following table lists the vehicles and features which are compatible with this product. The number assigned to each year allows you to determine which installation type should be used for your vehicle.

Vehicles	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	PK-Immobilizer Bypass-Data No Key Req'd	DL-Arm Factory Security	DL-Disarm Factory Security	DL-Door Lock Control	DL-Door Unlock	DL-Driver Priority Unlock	DL-Sliding Door Control Driver	DL-Sliding Door Control Passenger	DL-Trunk / Hatch Release	FOB-Control of aftermarket alarm with OEM remote	RS-Tach / RPM Output	SS-Entry Monitoring ALL Door Pins	SS-Entry Monitoring Driver Door Pin	SS-Entry Monitoring Hood Pin	SS-Entry Monitoring Trunk/Hatch Pin	ST-Brake Status (foot brake)	ST-E-Brake Status
Acura																															
CSX				2	2	2	2	2	2						*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
EL										3	3	3	3	3	*	*	*	*	*	*			*	D							
MDX		2	2	2	2	2	2	2							*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
MDX									4	4	4	4			*	*	*	*	*	*			*	D							
RDX			2	2	2	2	2	2							*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
RL			5	5	5	5	5	5	5	5					*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
RSX									3	3	3	3	3		*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
TL							1	1	1	1	1				*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
TSX							1	1	1	1	1				*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
Honda																															
Accord								1	1	1	1	1			*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
Accord Hybrid								1	1	1					*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
Civic				2	2	2	2	2	2						*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
Civic										3	3	3	3	3	*	*	*	*	*	*			*	D							
Civic Hybrid					2	2	2	2	2						*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
Civic Hybrid										3	3	3			*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
CRV				2	2	2	2	2							*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
CRV									3	3	3	3	3		*	*	*	*	*	*			*	D	*	*		*	*	*	*
CR-Z	2	2	2	2											*	*	*	*	*	*				D	*	*	D	*	*	*	*
Element				3	3	3	3	3	3	3	3	3			*	*	*	*	*	*			*	D	*	*		*	*	*	*
Fit		2	2	2	2	2									*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
Fit							4	4							*	*	*	*	*	*			*	D	*	*		*	*	*	*
Insight					2										*	*	*	*	*	*			*	D	*	*	D	*	*	*	*
Odyssey					1	1	1	1	1	1					*	*	*	*	*	*		*	*	D	*	*	D	*	*	*	*
Pilot							6	6	6	6					*	*	*	*	*	*		*	*	D	*	*		*	*	*	*
Ridgeline	1	1	1	1	1	1	1	1	1						*	*	*	*	*	*			D	*	*	D	*	*	*	*	*


Legend:

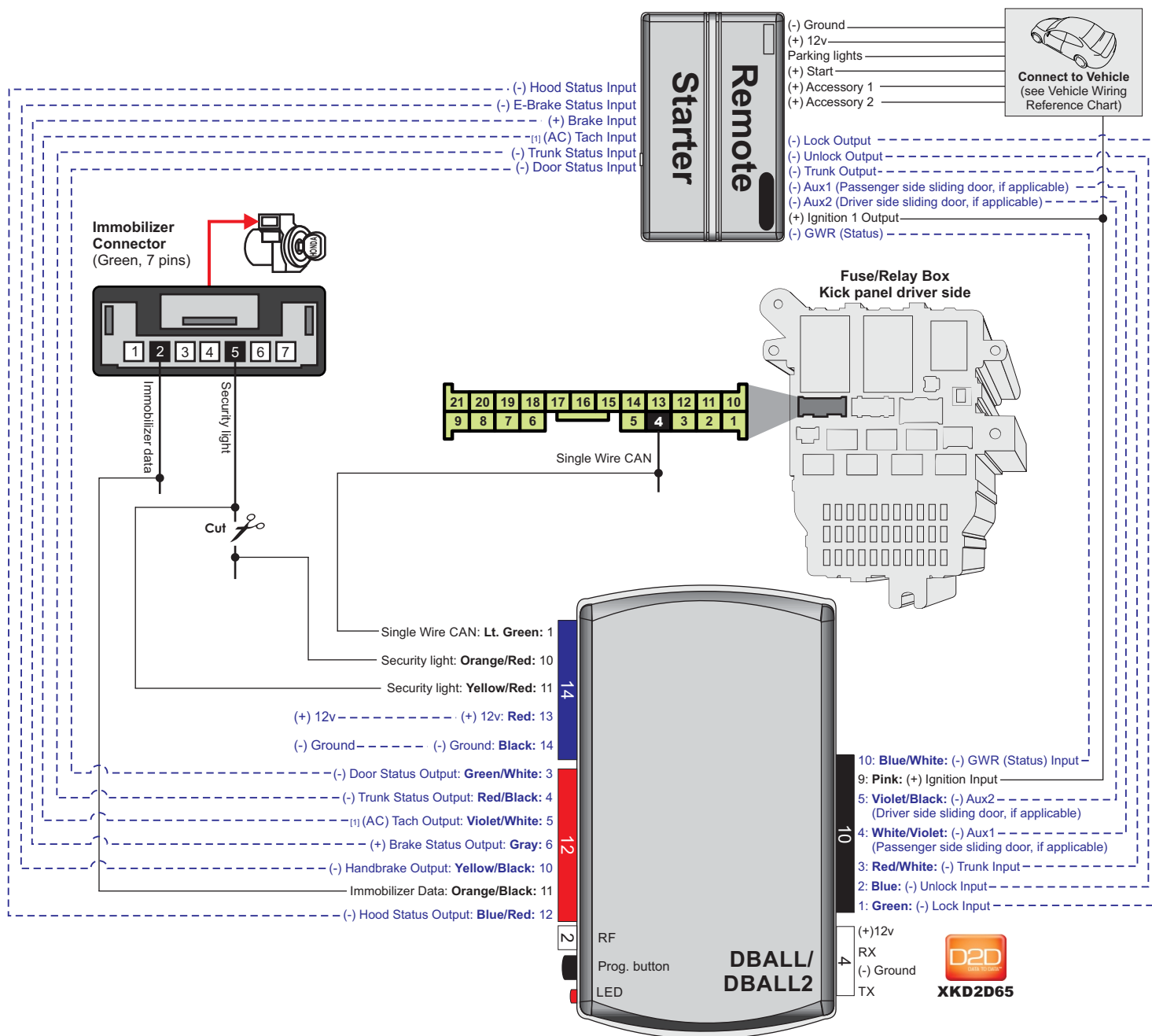
D: Data-to-Data (D2D) only
W: Wire-to-Wire (W2W) only
*: D2D and W2W

DL: OE Door Lock & Alarm Controls
FOB: Sync CAN Interface w / FOB Remote
PK: Transponder & Immobilizer Override

RS: Remote Start & Engine Controls
SS: Entry Point Status-Security
ST: Function/Feature Status


Installation Type 1

 See Vehicle Wiring Reference Chart for more information.




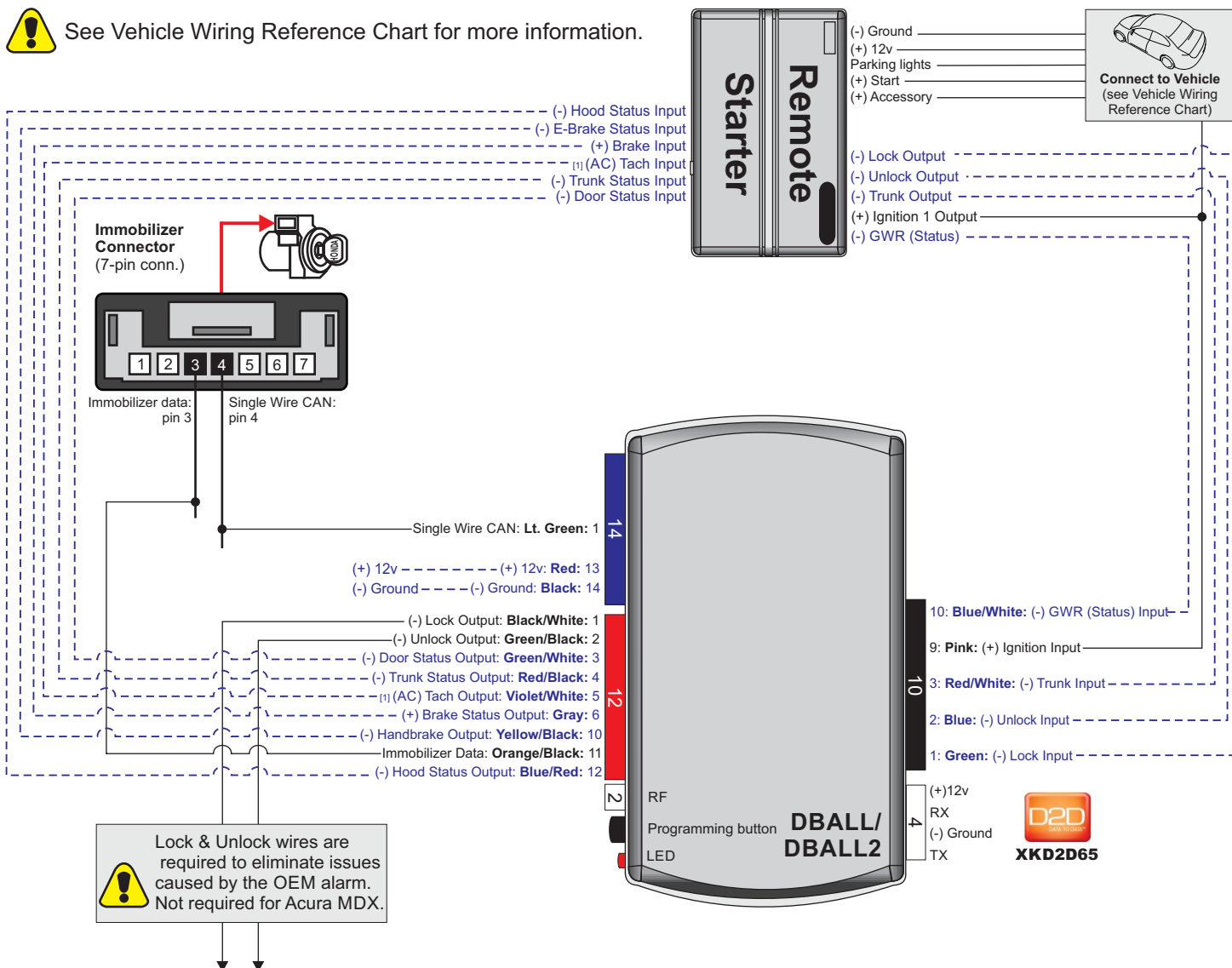
----- Not required in D2D mode.

[1] Tach wire is an optional connection required on some remote starters, which do not support a tach signal in D2D.

 All connectors are displayed from the wire side (unless specified otherwise).

Installation Type 2

 See Vehicle Wiring Reference Chart for more information.




Reference Chart for Lock / Unlock wires & Immo. connector color


Vehicle	Year	Location	Lock wire color & pin #	Unlock wire color & pin #	Immo. connector color
Acura CSX	2006-2011	Above driver kick, white 18 pin plug	Green, pin 16	Gray, pin 12	White connector
Acura RDX	2009-2012	Above driver kick, blue 23 pin plug	Blue, pin 5	Gray, pin 22	Green connector
Acura RDX	2007-2008	Above driver kick, white 16 pin plug	Blue, pin 13	Gray, pin 12	Green connector
Honda Civic	2006-2011	Above driver kick, white 18 pin plug	Green, pin 16	Gray, pin 12	White connector
Honda CRV	2007-2011	Above driver kick, brown 18 pin plug	Blue, pin 16	Gray, pin 12	White connector
Honda CR-Z	2011-2012	Above driver kick, green 12 pin plug	Green, pin 11	Light Green, pin 6	Green connector
Honda Fit	2009-2013	Driver kick, door harness	Light Blue	Gray	Green connector
Honda Insight	2010	Driver kick, door harness	Green	White	Green connector

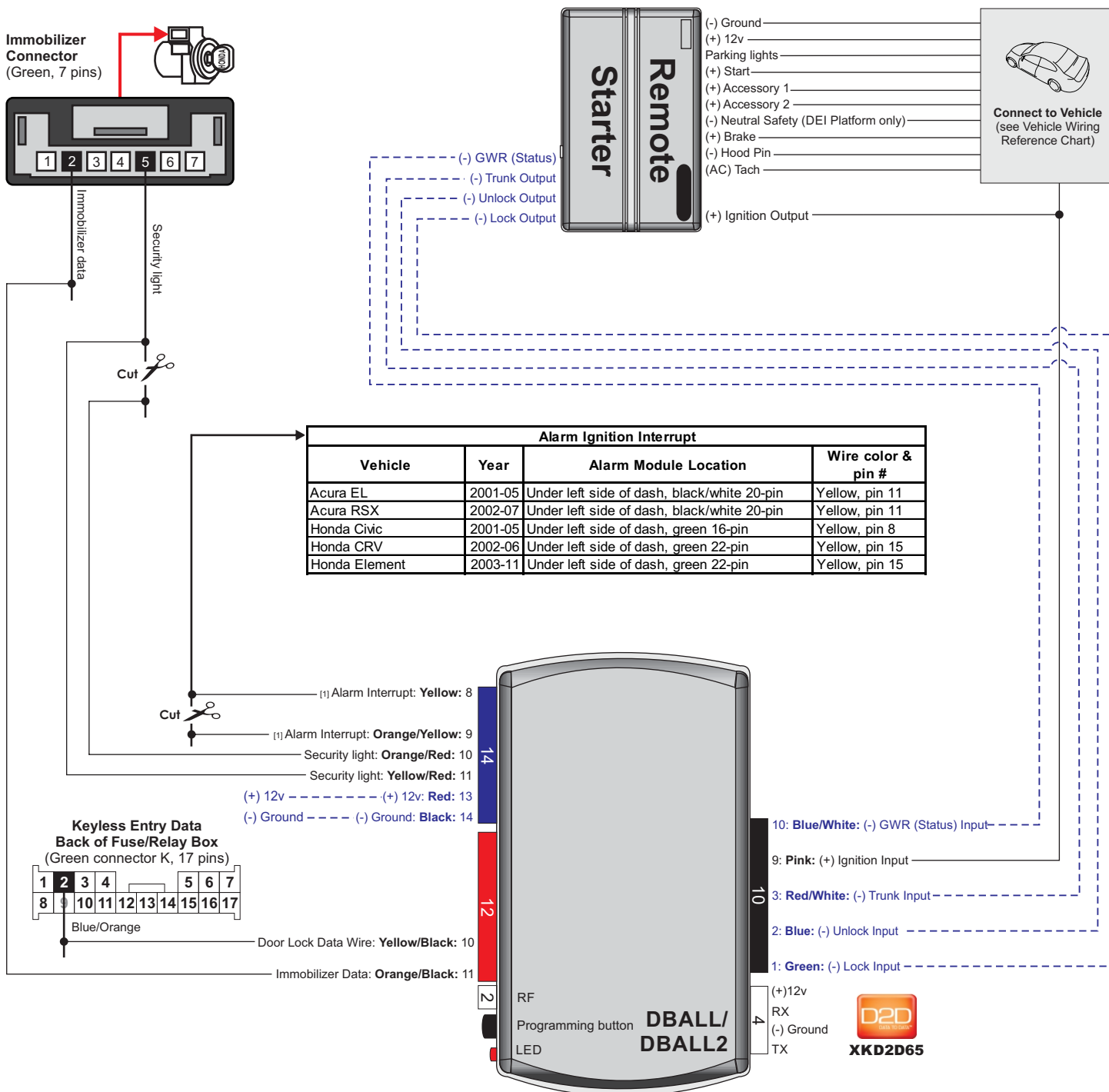
----- Not required in D2D mode.

[1] Tach wire is an optional connection required on some remote starters, which do not support a tach signal in D2D.

 All connectors are displayed from the wire side (unless specified otherwise).

Installation Type 3

 See Vehicle Wiring Reference Chart for more information.



----- Not required in D2D mode.

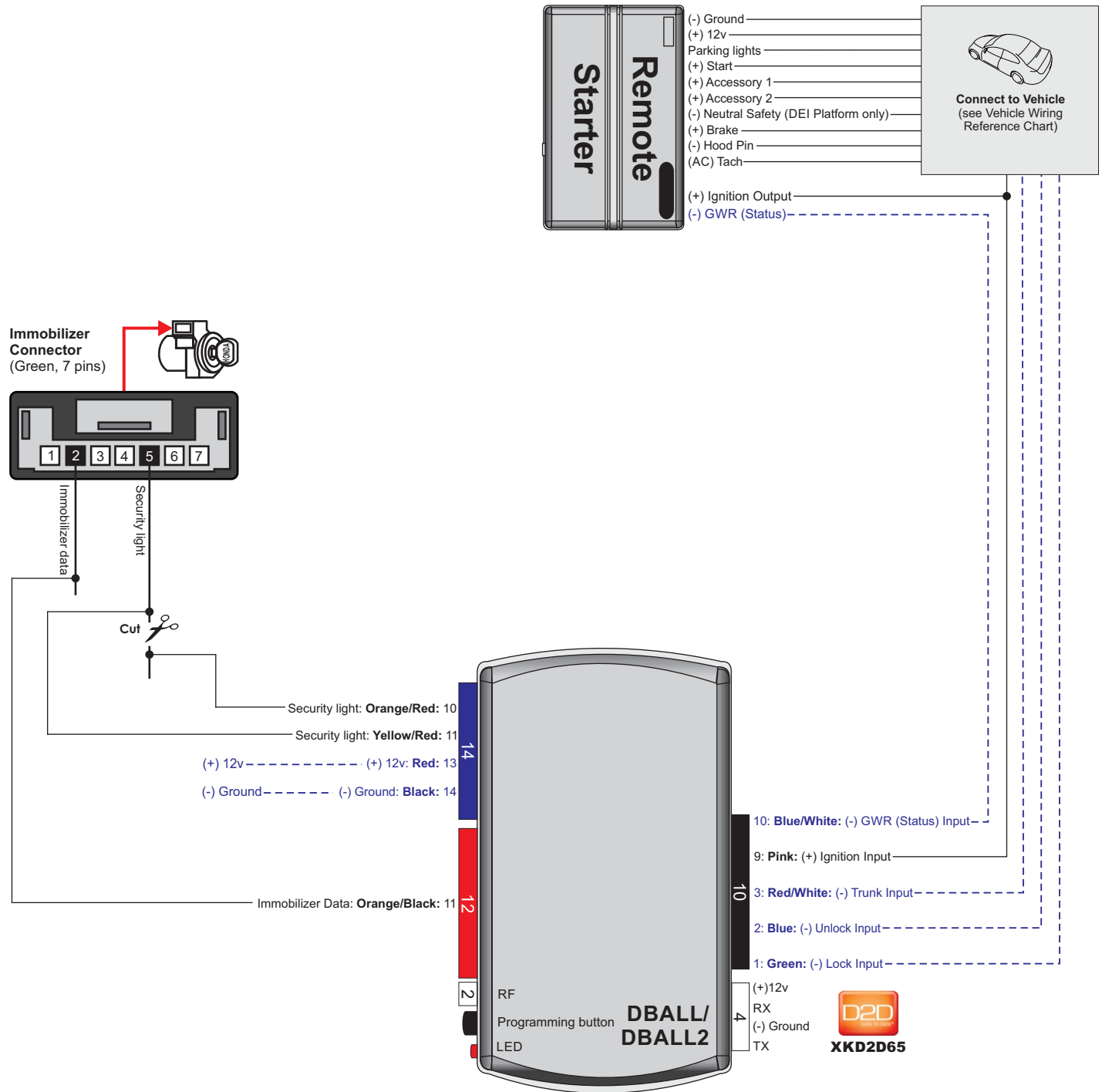
[1] Only required if the vehicle is equipped with a factory alarm system.

 All connectors are displayed from the wire side (unless specified otherwise).

Installation Type 4



See Vehicle Wiring Reference Chart for more information.

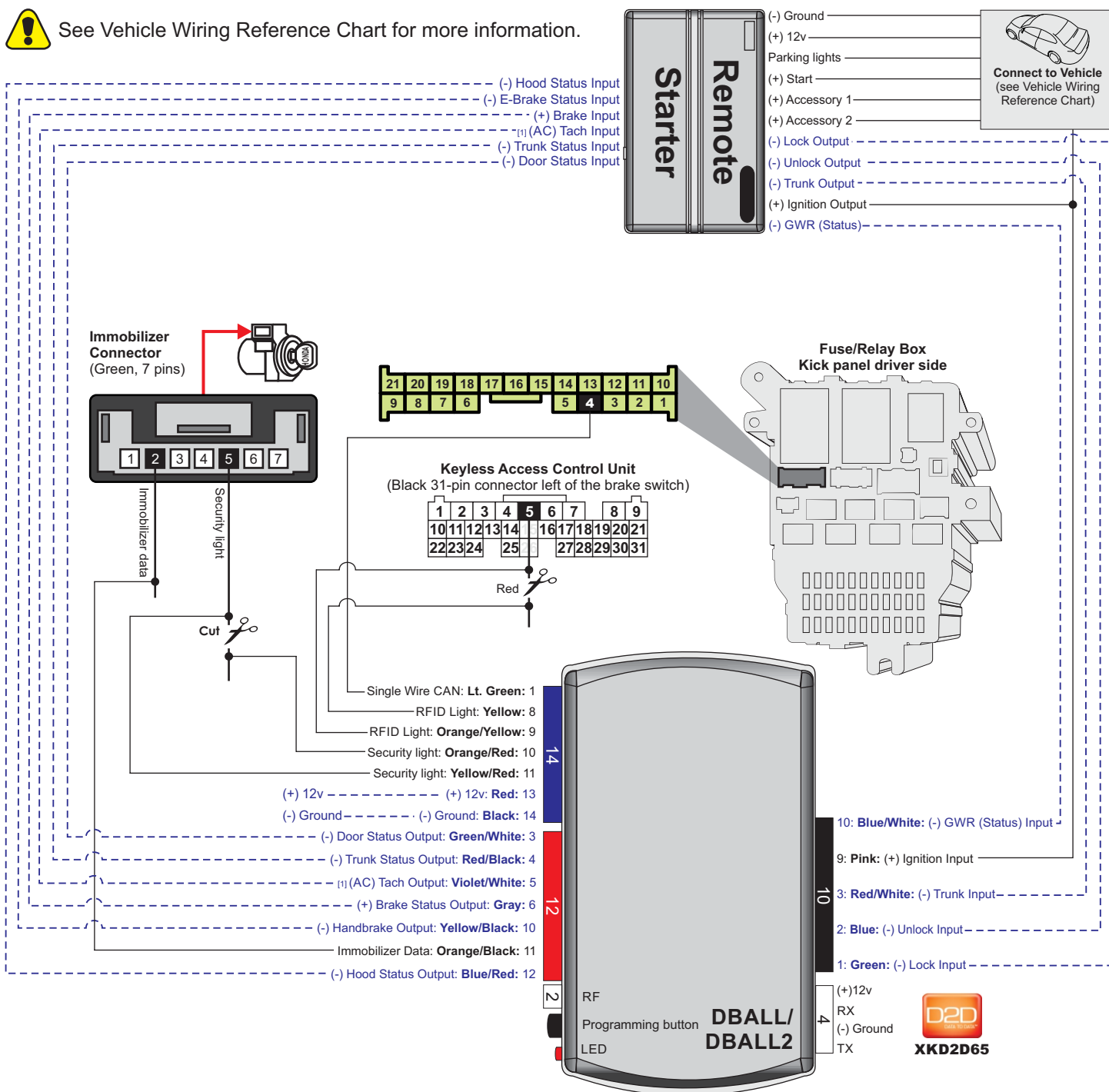


All connectors are displayed from the wire side (unless specified otherwise).

Installation Type 5



See Vehicle Wiring Reference Chart for more information.



----- Not required in D2D mode.

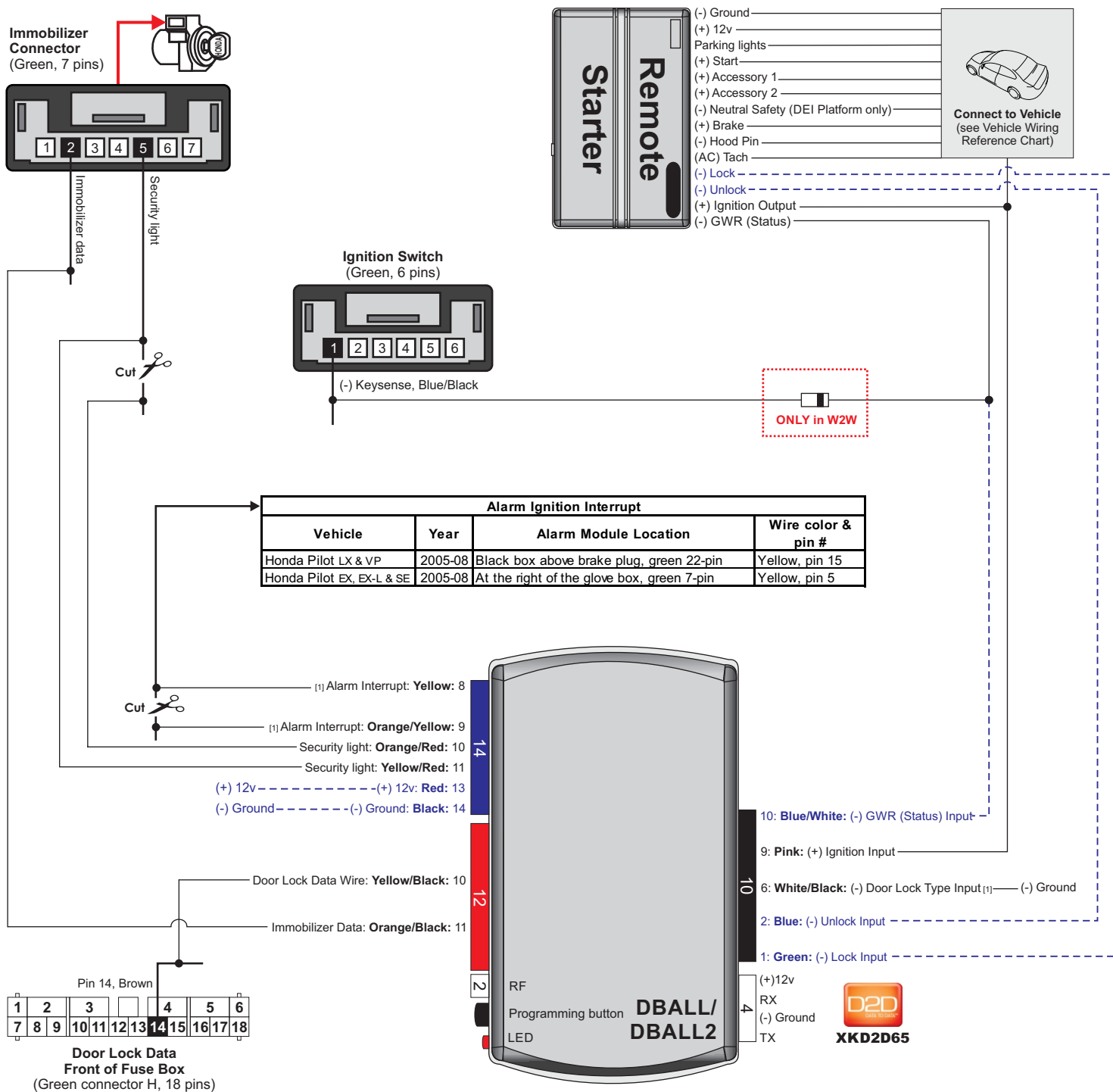
[1] Tach wire is an optional connection required on some remote starters, which do not support a tach signal in D2D.



All connectors are displayed from the wire side (unless specified otherwise).

Installation Type 6

 See Vehicle Wiring Reference Chart for more information.



----- Not required in D2D mode.

[1] Only required if the vehicle is equipped with a factory alarm system.

 All connectors are displayed from the wire side (unless specified otherwise).

Vehicle Wiring Reference Chart

Function	Connector Location	Pin	Wire
Acura CSX 2006-2011			
Immo. Data	7-pin immobilizer connector	3	Light Green
SW CAN	7-pin immobilizer connector	4	Pink
Ignition	Ignition switch	6	Blue
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Yellow
Accessory 1	Ignition switch	4	Orange
Accessory 2	Ignition switch	5	Red
Parking Lights	Headlight switch, Black/White 12 pins	11	Gray
Brake	Brake switch	2	Light Green
Hood Pin	Hood switch	2	Light Blue
Acura EL 2001-2005			
Immo. Data	7-pin immobilizer connector	2	Red/Blue
Security Light	7-pin immobilizer connector	5	Blue/Orange
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch, Gray 16 pins	13	Blue
Brake	Brake switch	2	White/Black
Tach	Fuel injector 4	2	Yellow
Acura MDX 2003-2006			
Immo. Data	7-pin immobilizer connector	2	Red
Security Light	7-pin immobilizer connector	5	Pink
Ignition	Ignition switch	-	Black/Yellow
12 Volts	Ignition switch	-	White
Starter	Ignition switch	-	Black/White
Accessory 1	Ignition switch	-	Yellow
Accessory 2	Ignition switch	-	White/Black
Parking Lights	Headlight switch, White 14 pins	7	Red/Yellow
Brake	Brake switch	2	White/Black
Hood Pin	Hood switch	2	Yellow
Acura MDX 2007-2013			
Immo. Data	7-pin immobilizer connector	3	Light Green
SW CAN	7-pin immobilizer connector	4	Light Green
Ignition	Ignition switch	6	Pink
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Yellow
Accessory 1	Ignition switch	4	Orange
Accessory 2	Ignition switch	5	Red
Parking Lights	Headlight switch, Green 10 pins	3	Brown
Brake	Brake switch	2	Light Green
Hood Pin	Hood switch	2	Green
Tach	Fuel injector 4	2	Yellow

* Vehicles with blue-highlighted wires do **NOT** have a connector at the ignition switch or headlight switch.

Function	Connector Location	Pin	Wire
Acura RDX 2007-2012			
Immo. Data	7-pin immobilizer connector	3	Light Green
SW CAN	7-pin immobilizer connector	4	Pink
Ignition	Ignition switch	6	Blue
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Yellow
Accessory 1	Ignition switch	4	Orange
Accessory 2	Ignition switch	5	Red
Parking Lights	Headlight switch, Black/White 12 pins	3	Gray
Brake	Brake switch	2	Light Green
Hood Pin	Hood switch	2	Gray
Acura RL 2005-2006			
Immo. Data	7-pin immobilizer connector	2	Lt. Green or Orange
Security Light	7-pin immobilizer connector	5	Blue or Red
SW CAN	Fuse/relay box, Green 21 pins	4	Light Green
Ignition	Ignition switch	6	White
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Blue
Accessory 1	Ignition switch	4	Blue
Accessory 2	Ignition switch	5	Red
Parking Lights	Headlight switch	-	Red/Black
Brake	Brake switch	2	Light Green
Hood Pin	Hood switch	2	Green
Acura RL 2007-2012			
Immo. Data	7-pin immobilizer connector	2	Orange
Security Light	7-pin immobilizer connector	5	Red
SW CAN	Fuse/relay box, Green 21 pins	4	Light Green
Ignition	Ignition switch	6	White
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Blue
Accessory 1	Ignition switch	4	Blue
Accessory 2	Ignition switch	5	Red
Parking Lights	Headlight switch	-	Red/Black
Brake	Brake switch	2	Light Green
Hood Pin	Hood switch	2	Green
Tach	Fuel injector 4	2	Yellow
Acura RSX 2002-2003			
Immo. Data	7-pin immobilizer connector	2	Red/Blue
Security Light	7-pin immobilizer connector	5	Blue/Orange
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch, Gray 16 pins	13	Blue
Brake	Brake switch	2	White/Black
Hood Pin	Hood switch	2	Green/Black
Tach	Fuel injector 4	2	Yellow

* Vehicles with blue-highlighted wires do **NOT** have a connector at the ignition switch or headlight switch.

Function	Connector Location	Pin	Wire
Acura RSX 2004-2007			
Immo. Data	7-pin immobilizer connector	2	Red/Blue
Security Light	7-pin immobilizer connector	5	Blue/Orange
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch, Gray 16 pins	13	Blue
Brake	Brake switch	2	White/Black
Hood Pin	Hood switch	2	Green/Black
Tach	Fuel injector 4	2	Yellow
Acura TL 2004-2006			
Immo. Data	7-pin immobilizer connector	2	Red/Blue
Security Light	7-pin immobilizer connector	5	Blue/Orange
SW CAN	Fuse/relay box, Green 21 pins	4	Brown/Black
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White or Black
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch	-	Red/Black
Brake	Brake switch	2	White/Black
Hood Pin	Hood switch	2	Green/Black
Acura TL 2007-2008			
Immo. Data	7-pin immobilizer connector	2	Yellow
Security Light	7-pin immobilizer connector	5	Orange
SW CAN	Fuse/relay box, Green 21 pins	4	Brown/Black
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White or Black
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch	-	Red/Black
Brake	Brake switch	2	White/Black
Hood Pin	Hood switch	2	Green/Black
Acura TSX 2004-2005			
Immo. Data	7-pin immobilizer connector	2	Red/Blue
Security Light	7-pin immobilizer connector	5	Blue/Orange
SW CAN	Fuse/relay box, Green 21 pins	4	Brown/Red
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch	-	Red/Black
Brake	Brake switch	2	White/Black
Hood Pin	Hood switch	2	Green/Black

* Vehicles with blue-highlighted wires do **NOT** have a connector at the ignition switch or headlight switch.

Function	Connector Location	Pin	Wire
Acura TSX 2006-2008			
Immo. Data	7-pin immobilizer connector	2	Yellow
Security Light	7-pin immobilizer connector	5	Orange
SW CAN	Fuse/relay box, Green 21 pins	4	Brown/Red
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch	-	Red/Black
Brake	Brake switch	2	White/Black
Hood Pin	Hood switch	2	Green/Black
Honda Accord 2003-2007			
Immo. Data	7-pin immobilizer connector	2	Red/Blue
Security Light	7-pin immobilizer connector	5	Blue/Orange
SW CAN	Fuse/relay box, Green 21 pins	4	Brown/Red
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch	-	Red/Black
Brake	Brake switch	2	White/Black
Hood Pin	Hood switch	2	Green/Black
Honda Accord Hybrid 2005-2007			
Immo. Data	7-pin immobilizer connector	2	Yellow
Security Light	7-pin immobilizer connector	5	Red
SW CAN	Fuse/relay box, Green 21 pins	4	Dark Green
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch	-	Red/Black
Brake	Brake switch	2	White/Black
Hood Pin	Hood switch	2	Green/Black
Honda Civic 2001-2005			
Immo. Data	7-pin immobilizer connector	2	Red/Blue
Security Light	7-pin immobilizer connector	5	Blue/Orange
Keyless Entry Data	Back of fuse/relay box, Green 17 pins	2	Blue/Orange
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch, Gray 16 pins	13	Blue
Brake	Brake switch	2	White/Black
Tach	Fuel injector 4	2	Yellow

* Vehicles with blue-highlighted wires do **NOT** have a connector at the ignition switch or headlight switch.

Function	Connector Location	Pin	Wire
Honda Civic 2006-2011			
Immo. Data	7-pin immobilizer connector	3	Light Green
SW CAN	7-pin immobilizer connector	4	Pink
Ignition	Ignition switch	6	Blue
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Yellow
Accessory 1	Ignition switch	4	Orange
Accessory 2	Ignition switch	5	Red
Parking Lights	Headlight switch, Black/White 12 pins	11	Gray
Brake	Brake switch	2	Light Green
Hood Pin	Hood switch	2	Light Blue
Honda Civic Hybrid 2003-2005			
Immo. Data	7-pin immobilizer connector	2	Red/Blue
Security Light	7-pin immobilizer connector	5	Blue/Orange
Ignition	Ignition switch	6	Blue
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Yellow
Accessory 1	Ignition switch	4	Orange
Accessory 2	Ignition switch	5	Red
Parking Lights	Headlight switch, Gray 16 pins	13	Blue
Brake	Brake switch	2	White/Black
Tach	Fuel injector 4	2	Yellow
Honda Civic Hybrid 2006-2010			
Immo. Data	7-pin immobilizer connector	3	Light Green
SW CAN	7-pin immobilizer connector	4	Pink
Ignition	Ignition switch	6	Blue
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Yellow
Accessory 1	Ignition switch	4	Orange
Accessory 2	Ignition switch	5	Red
Parking Lights	Headlight switch, Black/White 12 pins	11	Gray
Brake	Brake switch	2	Light Green
Hood Pin	Hood switch	2	Light Blue
Honda CRV 2002-2004			
Immo. Data	7-pin immobilizer connector	2	White
Security Light	7-pin immobilizer connector	5	Blue/Orange
Keyless Entry Data	Back of fuse/relay box, Green 17 pins	2	Blue/Orange
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch, Gray 16 pins	13	Blue
Brake	Brake switch	2	White/Black
Hood Pin	Hood switch	2	Yellow/Red
Tach	Fuel injector 4	2	Yellow

* Vehicles with blue-highlighted wires do **NOT** have a connector at the ignition switch or headlight switch.

Function	Connector Location	Pin	Wire
Honda CRV 2005-2006			
Immo. Data	7-pin immobilizer connector	2	White
Security Light	7-pin immobilizer connector	5	Blue/Orange
Keyless Entry Data	Back of fuse/relay box, Green 17 pins	2	Blue/Orange
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch, Gray 16 pins	13	Blue
Brake	Brake switch	2	White/Black
Honda CRV 2007-2011			
Immo. Data	7-pin immobilizer connector	3	Green
SW CAN	7-pin immobilizer connector	4	Pink
Ignition	Ignition switch	6	Blue
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Yellow
Accessory 1	Ignition switch	4	Orange
Accessory 2	Ignition switch	5	Red
Parking Lights	Headlight switch, Black/White 12 pins	11	Blue
Brake	Brake switch	2	Light Green
Hood Pin	Hood switch	2	Light Blue
Honda CR-Z 2011-2012			
Immo. Data	7-pin immobilizer connector	5	Pink
SW CAN	7-pin immobilizer connector	4	Green
Ignition	Ignition switch	5	Yellow
12 Volts	Ignition switch	1	White
Starter	Ignition switch	3	Red
Accessory 1	Ignition switch	7	Orange
Accessory 2	Ignition switch	6	Red
Parking Lights	Headlight switch, 12 pins	8	Gray
Brake	Brake switch or dash fuse box, Green 49 pins, plug D	30	White
Hood Pin	Dash fuse box, Blue 36 pins, plug A	28	Violet
Honda Element 2003-2011			
Immo. Data	7-pin immobilizer connector	2	White
Security Light	7-pin immobilizer connector	5	Blue/Orange
Keyless Entry Data	Back of fuse/relay box, Green 17 pins	2	Blue/Orange
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch, Gray 16 pins	13	Blue
Brake	Brake switch	2	White/Black
Tach	Fuel injector 4	2	Yellow

* Vehicles with blue-highlighted wires do **NOT** have a connector at the ignition switch or headlight switch.

Function	Connector Location	Pin	Wire
Honda Fit 2007-2008			
Immo. Data	7-pin immobilizer connector	2	Lt. Green/Black
Security Light	7-pin immobilizer connector	5	Red/Black
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Yellow/Black
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch, Gray 16 pins	13	Blue
Brake	Brake switch	2	White/Black
Hood Pin	Hood switch	2	Green/Black
Tach	Fuel injector 4	2	Yellow
Honda Fit 2009-2013			
Immo. Data	7-pin immobilizer connector	3	Green
SW CAN	7-pin immobilizer connector	4	Light Green
Ignition	Ignition switch	6	Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Pink
Accessory 1	Ignition switch	4	Orange
Accessory 2	Ignition switch	5	Red
Parking Lights	Headlight switch, Black/White 12 pins	11	Gray
Brake	Brake switch	2	Light Green
Hood Pin	Hood switch	2	Violet
Honda Insight 2010			
Immo. Data	7-pin immobilizer connector	3	Light Green
SW CAN	7-pin immobilizer connector	4	Green
Ignition	Ignition switch	6	Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Red
Accessory 1	Ignition switch	4	Orange
Accessory 2	Ignition switch	5	Red
Parking Lights	Headlight switch, Black/White 12 pins	11	Gray
Brake	Brake switch	2	White
Hood Pin	Hood switch	2	Violet
Tach	Fuel injector 4	2	Yellow
Honda Odyssey 2005-2010			
Immo. Data	7-pin immobilizer connector	2	Red/Blue
Security Light	7-pin immobilizer connector	5	Blue/Orange
SW CAN	Fuse/relay box, Green 21 pins	4	Dk. Green/Orange
Ignition	Ignition switch	6	Black/Yellow
12 Volts	Ignition switch	3	White
Starter	Ignition switch	1	Black/White
Accessory 1	Ignition switch	4	Black/Red
Accessory 2	Ignition switch	5	White/Red
Parking Lights	Headlight switch	-	Red/Black
Brake	Brake switch	2	White/Black
Hood Pin	Hood switch	2	Green/Black
Tach	Fuel injector 4	2	Yellow

* Vehicles with blue-highlighted wires do **NOT** have a connector at the ignition switch or headlight switch.

Function	Connector Location	Pin	Wire
Honda Pilot LX, VP 2005-2008			
Immo. Data	7-pin immobilizer connector	2	Red/Green
Security Light	7-pin immobilizer connector	5	Pink
Keyless Entry Data	Front of fuse box, Green 18 pins, plug H	14	Brown
Ignition	Ignition switch	-	Black/Yellow
12 Volts	Ignition switch	-	White
Starter	Ignition switch	-	Black/White
Accessory 1	Ignition switch	-	Yellow
Accessory 2	Ignition switch	-	White/Black
Parking Lights	Headlight switch, Gray 16 pins	13	Red/Yellow
Brake	Brake switch, White 4 pins	2	White/Black
Hood Pin	Driver multiplex control unit, Green 22 pins	6	Yellow
Tach	Driver fuse box, Green 10 pins, plug E	4	Blue
Honda Pilot EX, EX-L, SE 2005-2008			
Immo. Data	7-pin immobilizer connector	2	Red/Green
Security Light	7-pin immobilizer connector	5	White/Blue
Keyless Entry Data	Front of fuse box, Green 18 pins, plug H	14	Brown
Ignition	Ignition switch	-	Black/Yellow
12 Volts	Ignition switch	-	White
Starter	Ignition switch	-	Black/White
Accessory 1	Ignition switch	-	Yellow
Accessory 2	Ignition switch	-	White/Black
Parking Lights	Headlight switch, Gray 16 pins	13	Red/Yellow
Brake	Brake switch, White 4 pins	2	White/Black
Hood Pin	Driver multiplex control unit, Green 22 pins	6	Yellow
Tach	Driver fuse box, Green 10 pins, plug E	4	Blue
Honda Ridgeline 2006-2013			
Immo. Data	7-pin immobilizer connector	2	Red/Blue
Security Light	7-pin immobilizer connector	5	Blue/Orange
SW CAN	Fuse/relay box, Green 21 pins	4	Brown/Black
Ignition	Ignition switch	-	Black/Yellow
12 Volts	Ignition switch	-	White
Starter	Ignition switch	-	Black/White
Accessory 1	Ignition switch	-	Yellow
Accessory 2	Ignition switch	-	White/Black
Parking Lights	Headlight switch, Green 6 pins	4	Blue
Brake	Brake switch	2	Light Blue
Hood Pin	Hood switch	2	Green/Black


* Vehicles with blue-highlighted wires do **NOT** have a connector at the ignition switch or headlight switch.

Module Programming

 Refer to the LED Diagnostics section for more information and for troubleshooting purposes.

Important

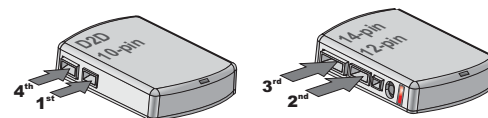
Make all the required connections to the vehicle, as described in the wiring diagram(s) found in this guide, and double check to ensure everything is correct prior to moving onto the next step.

 **Warning!** To take advantage of advanced features, you must use XpressVIP 4.5 or higher. Using version 2.9 or 3.1 will limit available functions and features.

1. Connect the interface module to your computer using the **XKLoader**.
2. Open an Internet Explorer browser (version 6 or higher), and go to www.directechs.com. The detail of the platform and firmware that is currently saved on the interface module will be indicated in the top right corner of the page.
3. Select the **year**, **make** and **model** of the vehicle; the page will refresh to display the compatible firmware.
4. In the search result page, select **Flash Standard install**, and follow the instructions provided on the screen.
5. Once you have configured your options, click on the **FLASH** button to upload the firmware onto the interface module.
6. The following message will be displayed when the upload is completed:
"The flashing is successfully completed. You may now unplug the kit."
You can now proceed with the programming instructions below.

D2D Installation

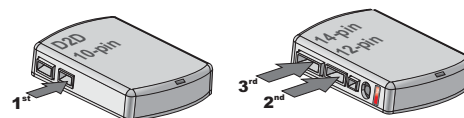
If required for your installation, connect the 10-pin, 12-pin and 14-pin harnesses to the module, then connect the 4-pin D2D harness.



OR

W2W Installation

If required for your installation, connect the 10-pin and 12-pin harnesses to the module, then connect the 14-pin harness to the module.



- 1 Wait until the LED turns ON solid red.



Turn the key to the ON position.



- 2 **TYPES 1, 2 & 5:**
The green LED turns ON for 3 seconds and shuts off.



TYPES 3, 4 & 6:
LED flashes orange. Press push-button 5 times to complete the programming.
The orange LED turns ON for 3 seconds and shuts off.



- 3 Remove the key from the ignition.



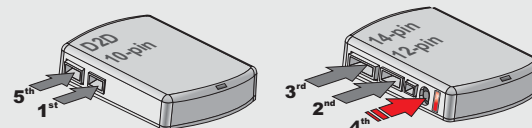
You have successfully completed the module programming sequence.

Module Reset

A module reset will only erase programming performed in the previous steps. All settings (firmware) and settings flashed to the module using the web config tool will not be affected.

D2D Installation

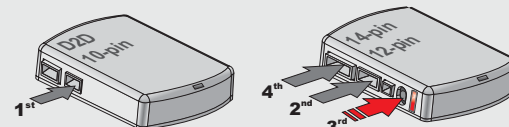
If required for your installation, connect the 10-pin, 12-pin & 14-pin harnesses to the module. Press and hold the programming button, then connect the 4-pin D2D harness.



1 **OR**

W2W Installation

If required for your installation, connect the 10-pin & 12-pin harnesses to the module. Press and hold the programming button, then connect the 14-pin harness to the module.



2

Wait 3 seconds until the LED turns ON solid orange then release the programming button. The LED then turns ON solid red.



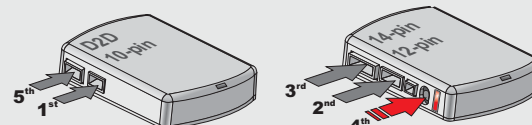
Hard Reset

Warning Against Executing a Hard Reset!

A hard reset will revert the flashed firmware back to its default settings. Depending on the installation, some settings (such as RFTD and D2D options) may have to be reconfigured. See the **Feature & Option List** section of this guide.

D2D Installation

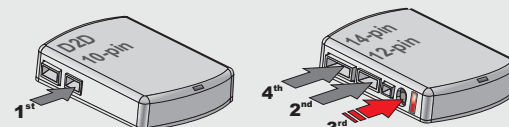
If required for your installation, connect the 10-pin, 12-pin & 14-pin harnesses to the module. Press and hold the programming button, then connect the 4-pin D2D harness.



1 **OR**

W2W Installation

If required for your installation, connect the 10-pin & 12-pin harnesses to the module. Press and hold the programming button, then connect the 14-pin harness to the module.



2

Wait 3 seconds until the LED turns ON solid orange, and wait 10 more seconds until the LED starts to flash orange and red.



3

Release the programming button. The LED turns ON solid red.



Feature & Option List

It is recommended to configure all the features and options listed below using the configuration tool found on the module flashing page on www.directechs.com. The web offers more options; however, manual configuration of the features is possible using the information on this page.

* Default option

Feat.	Operation	Flashes / Option	Description
1	RFTD Output Type	1. No RF Output*	Module is connected to a remote starter using a standard installation.
		2. RFTD Output	Module is connected to an XL202 using an RSR or RXT installation (when available).
		3. SmartStart	Module is connected to SmartStart using an RSR or RXT installation (when available).
2	Unlock Driver Priority	1. Driver priority*	Unlocks only the driver door when the button is first pressed, and unlocks all doors when it is pressed a second time within 5 seconds.
		2. All	Unlocks all doors when the button is first pressed.
3	Trunk	1. Trunk*	Will pop the trunk if available.
		2. Right Sliding Door	When available, will operate the right sliding door.
		3. Left Sliding Door	When available, will operate the left sliding door.
4	Aux1	1. Trunk	Will pop the trunk if available.
		2. Right Sliding Door*	When available, will operate the right sliding door.
		3. Left Sliding Door	When available, will operate the left sliding door.
5	Aux2	1. Trunk	Will pop the trunk if available.
		2. Right Sliding Door	When available, will operate the right sliding door.
		3. Left Sliding Door*	When available, will operate the left sliding door.
6	Smart OEM Alarm Control	1. Disabled	The OEM alarm will not be controlled by the interface upon remote start. No disarm or arm command will be executed at the beginning or end of the sequence; it must be controlled by the Remote Starter.
		2. Safelock	Smart OEM Alarm Control will behave like a standard Safelock feature on a remote starter. It will unlock at the beginning of the sequence, and relock after start and shutdown.
		3. Enabled*	Smart OEM Alarm Control will synchronize with the OEM alarm so that it will disarm and rearm the vehicle in the remote start sequence, only when required. The reason for this is, factory alarm control must often be done by lock or unlock operation. This could create unnecessary actions on door lock modules, such as the horn to honk. When possible, Smart OEM Alarm Control will monitor the alarm and door lock status to detect if the disarm or rearm is required. If the vehicle is unlocked or is not equipped with factory alarm, the disarm/rearm will not be executed. Smart OEM Alarm Control will also monitor the remote starter actions so that the factory alarm control is not done twice. A remote starter, for which the Safelock feature is active, will work perfectly with this option and will make it invisible to the user.

Feature Programming

Programming
Button



To enter feature programming routine

- Turn the ignition ON, then OFF.
- **Within 5 seconds**, press and HOLD the programming button until the LED turns ON orange (after 3 seconds). Release the programming button.
- The LED will flash green once slowly to indicate the feature number is 1. After a short delay, the LED flashes red rapidly to indicate the current option of feature 1 (i.e. 1x green followed by 1x red indicates feature 1 is set to option 1). The flashing sequence will repeat until a new command is entered.

Changing feature options

- Press the lock/arm or unlock/disarm button on aftermarket transmitter to change the option of the selected feature.
- The LED flashes red rapidly the number of times equal to the current option number. After a short delay, the LED flashes green slowly the number of times to indicate the current feature. The flashing sequence will repeat until a new command is entered.

Accessing another feature

- Press and release the programming button a number of times to advance from the current feature to the next desired feature.
- The LED flashes green slowly the number of times equal to the feature number. After a short delay, the LED flashes red rapidly to indicate the current option of the current feature. The flashing sequence will repeat until a new command is entered.

When the maximum number of features or options is reached, the LED will start flashing again from the first feature or option.

















Once a feature is programmed

- Other features can be programmed.
- The feature programming can be exited.

Exiting feature programming

- No activity for 30 seconds; after 30 seconds, the LED will turn ON orange for 2 seconds to confirm the end of the programming sequence.
OR
- Press and HOLD the programming button for 3 seconds. After 3 seconds, the LED will turn ON orange for 2 seconds to confirm the end of the programming sequence.

LED Diagnostics & Troubleshooting

LED	Status	Description	Troubleshooting
Module programming - Firmware specific			
 OFF	OFF	Module has no power.	Check the power connection.
 Solid	Solid red	Waiting to begin the programming sequence.	Make sure that all the connections are correct (see wiring diagram).
 Flashes	Flashes green	FT CAN detected.	Normal operation
 Flashes	Flashes orange	Bypass is programmed.	Normal operation
 Solid x3secs	Solid green x 3 seconds	Bypass is programmed with convenience.	Normal operation
 Solid x3secs	Solid orange x 3 seconds	Bypass is programmed without convenience.	Normal operation
Module programming - Error codes			
 Flashes red x3	Flashes red x 3	Bypass data not detected.	Check the bypass line connection. If more than one wire is used, make sure they are not inverted. Start vehicle using the key to confirm the OEM equipment is still operational.
External Module Synchronisation			
 Solid red, then flashes orange x10	Flashes red, red then orange x10	OBDII feature not supported.	Diagnostic data bus not detected. Some features are not supported by SmartStart. This can be caused by missing wire connections or module hardware limitation. Refer to the wiring installation section to check the connections.
Active ground while running (status)			
 Flashes green	Flashes green	GROUND OUT ON (GWR) command received.	Otherwise, the Ground While Running (status) signal was lost or was never received by the module. Commands can come from RF, D2D or W2W.
 Solid red, then flashes orange	Solid red, then flashes orange	IGNITION ON command received.	Otherwise, the ignition signal was not received by the module. In a W2W install, it will show only if the ignition input wire is used.
 Flashes green quickly	Flashes green quickly	START ON command received.	Otherwise, the start signal was not received by the module. In a W2W install, it will show only if the ignition input wire is used.
D2D and W2W commands			
 Flashes orange x1	Flashes orange x 1	LOCK command received.	If the bypass module fails to flash, it means the module did not receive the signal. Commands can come from RF, D2D or W2W.
 Flashes orange x2	Flashes orange x 2	UNLOCK command received.	
 Flashes orange x3	Flashes orange x 3	TRUNK command received.	
 Flashes orange x4	Flashes orange x 4	AUX1 command received.	
 Flashes orange x5	Flashes orange x 5	AUX2 command received.	

Limited One Year Consumer Warranty

For a period of ONE YEAR from the date of purchase of a Directed Electronics remote start or security product, Directed Electronics. ("DIRECTED") promises to the original purchaser, to repair or replace with a comparable reconditioned piece, the security or remote start accessory piece (hereinafter the "Part"), which proves to be defective in workmanship or material under normal use, provided the following conditions are met: the Part was purchased from an authorized DIRECTED dealer; and the Part is returned to DIRECTED, postage prepaid, along with a clear, legible copy of the receipt or bill of sale bearing the following information: consumer's name, address, telephone number, the authorized licensed dealer's name and complete product and Part description.

This warranty is nontransferable and is automatically void if the Part has been modified or used in a manner contrary to its intended purpose or the Part has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defect in materials or construction.

TO THE MAXIMUM EXTENT ALLOWED BY LAW, EXCEPT AS STATED ABOVE, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NONINFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED; AND DIRECTED NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. DIRECTED HEREBY DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING DEALERS OR INSTALLERS. DIRECTED IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE, OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CONTENTS, AND DIRECTED HEREBY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT, DAMAGE, OR VANDALISM. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING DIRECTED OR ITS SUBSIDIARY, THE PROPER VENUE SHALL BE SAN DIEGO COUNTY IN THE STATE OF CALIFORNIA. CALIFORNIA STATE LAWS AND APPLICABLE FEDERAL LAWS SHALL APPLY AND GOVERN THE DISPUTE. THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST DIRECTED SHALL BE STRICTLY LIMITED TO THE AUTHORIZED DIRECTED DEALER'S PURCHASE PRICE OF THE PART. DIRECTED SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, THE MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR AT DIRECTED'S OPTION THE PART AS DESCRIBED ABOVE.

This warranty only covers Parts sold within the United States of America and Canada. Parts sold outside of the United States of America or Canada are sold "AS-IS" and shall have NO WARRANTY, express or implied. Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights and you may also have other rights that vary from State to State. DIRECTED does not and has not authorized any person or entity to create for it any other obligation, promise, duty or obligation in connection with this Part. For further details relating to warranty information of Directed products, please visit the support section of DIRECTED's website at: www.directed.com





















920-10012-01 2013-07

This Interface kit / Data Bus Interface part has been tested on the listed vehicles. Other vehicles will be added to the select vehicle list upon completion of compatibility testing. Visit website for latest vehicle application guide. **DISCLAIMER:** Under no circumstances shall the manufacturer or the distributors of the bypass kit / data bus interface part(s) be held liable for any consequential damages sustained in connection with the part(s) installation. The manufacturer and its distributors will not, nor will they authorize any representative or any other individual to assume obligation or liability in relation to the interface kit / data bus interface part(s) other than its replacement. **N.B.:** Under no circumstances shall the manufacturer and distributors of this product be liable for consequential damages sustained in connection with this product and neither assumes nor authorizes any representative or other person to assume for it any obligation or liability other than the replacement of this product only.

Protected by U.S. Patents: 5,719,551; 6,011,460 B1 *; 6,243,004 B1; 6,249,216 B1; 6,275,147 B1; 6,297,731 B1; 6,346,876 B1; 6,392,534 B1; 6,529,124 B2; 6,696,927 B2; 6,756,885 B1; 6,756,886 B2; 6,771,167 B1; 6,812,829 B1; 6,924,750 B1; 7,010,402 B1; 7,015,830 B1; 7,031,826 B1; 7,046,126 B1; 7,061,137 B1; 7,068,153 B1; 7,205,679 B1; Cdn. Patent: 2,320,248; 2,414,991; 2,415,011; 2,415,023; 2,415,027; 2,415,038; 2,415,041; 2,420,947; 2,426,670; 2,454,089; European Patent: 1,053,128; Pat. Pending: 2,291,306. Made in Canada.

List of Available Commands

Note that the information below is for Viper, Clifford and Python models. Icons and commands may differ depending on the remote brand and model purchased. Refer to your authorized installation center for more information.

Button(s)	Actions
	Press & hold for 1 second to lock.
	Press & hold for 1 second to unlock.
	Press & hold for 1 second to remote start.
	Press & hold for 5 seconds to activate the trunk release (optional).
 x1 + 	Press  once, then  to activate the right sliding door (optional).*
 x2 + 	Press  twice, then  to activate the left sliding door (optional).*
 x3 + 	Press  3 times, then  to activate the panic mode.
 x1 + 	Press  once, then  to reset the remote starter runtime.

* This output is configurable. see your authorized installation center for more information.

Notes