Platform #03   Firmware: CHDL7

Description: **Chrysler Dodge Jeep Door Lock Alarm Interface (NO KEY REQUIRED)**
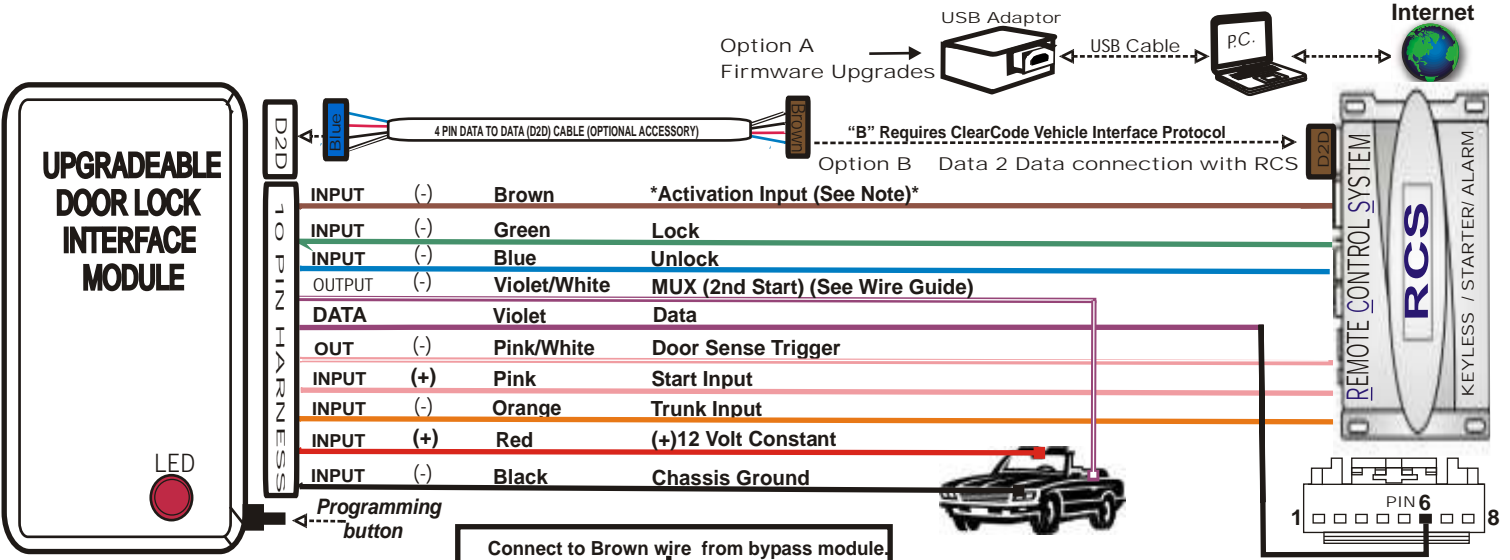
Functions: Data Bus Interface: Lock/Unlock, Trunk/Rear Hatch, OEM Security Arm/Disarm, Starter Enable, Door Sense Trigger

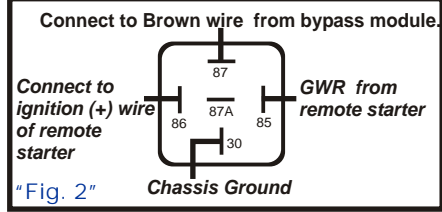Downloadable Firmware for Platform #03: CHDL7,JDL,CHDL6+,CHDL2, CHDL3, CHDL4

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

Section A

See Wire Connection Guide for detailed information regarding wire functionality

Option A Firmware Upgrades — USB Adaptor — USB Cable — P.C. — Internet

"B" Requires ClearCode Vehicle Interface Protocol
Option B   Data 2 Data connection with RCS

UPGRADEABLE DOOR LOCK INTERFACE MODULE

4 PIN DATA TO DATA (D2D) CABLE (OPTIONAL ACCESSORY)

10 PIN HARNESS

INPUT	(-)	Brown	*Activation Input (See Note)*
INPUT	(-)	Green	Lock
INPUT	(-)	Blue	Unlock
OUTPUT	(-)	Violet/White	MUX (2nd Start) (See Wire Guide)
DATA		Violet	Data
OUT	(-)	Pink/White	Door Sense Trigger
INPUT	(+)	Pink	Start Input
INPUT	(-)	Orange	Trunk Input
INPUT	(+)	Red	(+)12 Volt Constant
INPUT	(-)	Black	Chassis Ground

LED

Programming button ◁

REMOTE CONTROL SYSTEM — RCS — KEYLESS / STARTER / ALARM

PIN 6   1 ... 8

"Fig. 1"

NOTE: If the remote control system does not have an activation output that turns on at exactly the same time as the 1st ignition, then add relay and install as per Fig.2. Most remote systems GWR or (-) 3rd ign. outputs turn on before the main ignition and will cause diagnostic codes.

Connect to Brown wire from bypass module.

Connect to ignition (+) wire of remote starter   87   87A   85   **GWR from remote starter**
86   30

"Fig. 2"   **Chassis Ground**

SKIM MODULE
DATA WIRE

Section B

WIRE GUIDE: CONNECTIONS

10 PIN HARNESS   Optional D2D VIP: **D**ata **to D**ata **V**ehicle **I**nterface **P**rotocol will replace specific analogue connections

PIN#	WIRE COLOR	VEHICLE TYPE	D2D VIP	I/O STATUS	(-)/(+)	Connect Location	SPECIFIC WIRE CONNECTION LOCATION	ACTIVATION and/or FUNCTIONALITY
1	Brown	N/A		Input	(-)	RCS	Ground When Igition is Activated. This wire must activate at the same time as main ignition. **(See Fig.2)**	Factory Alarm Arm/ Disarm
2	Green	N/A	D2D	Input	(-)	RCS	Lock connects to (-) Lock Output wire of RCS	Lock All Doors
3	Blue	N/A	D2D	Input	(-)	RCS	Unlock connects to (-) Unlock Output wire of RCS	Unlock All Doors **(See User Settings)**
4	Violet/ White	N/A		Output	(-)	Vehicle	MUX (Violet/Brown Pin 4 of Ignition Harness)	2nd Start and Accessory (Resistance) Output to Vehicle
5	Violet	N/A		Data		Vehicle	White/Orange PIN#6 of 8 PIN SKIM harness in steering column	**(See Fig. 1)**
6	Pink/ White	N/A	D2D	Output	(-)	RCS	Door Sense Trigger connects to (-) door trigger input wire of RCS	Detects Doors status (open/closed) via data bus then converts to an analogue output (-)
7	Pink	N/A		Input	(+)	RCS	Start Output - Connection is parallel to the vehicle and remote control system starter wires.	Enables 2nd Start
8	Orange	N/A	D2D	Input	(-)	RCS	Trunk Output	Trunk/Rear Hatch Release
9	Red	N/A	D2D	Input	(+)	Vehicle	Constant (+) 12 Volt Source	Power Source
10	Black	N/A	D2D	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: - D2D Port used to connect to USB Bootloader adaptor & computer to download & flash vehicle interface firmware.
OPTION B: - D2D Port used to connect to the data port of a remote control system equipped with ClearCode **V**ehicle **I**nterface **P**rotocol.
Remote control systems designed with ClearCode VIP can securely communicate via the D2D cable to transmit & receive data commands which initiate specific vehicle function such as doorlocks & immobilizer override and /or request information from the vehicle such as status of entry points (doors) or ambient température, diesel glow plug etc…ClearCode VIP represents the doorway to vehicle integration...

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Section C

VEHICLE PROGRAMMING:

1) Connect the module, LED comes **ON** solid.

2) Turn key to **ON** position. LED will turn **OFF**. Module is now programmed.

Section D

USER SETTINGS - OPTIONAL PROGRAMMING:

NOTE: Only MODES 1 & 8 are available.

USER MODES *are identified by a slow LED flash pattern. 1 slow flash=Mode1, 2 slow flashes=Mode 2 etc.*

1) Key **"OFF"** position, **press** and **hold** program button for 2 seconds, LED will flash rapidly for 2 seconds. Release button, LED will identify the MODE selection with a slow flash pattern (1- 8 slow flashes) and then will identify OPTION selection with a fast flash pattern. (1 or 2 fast flashes)

2) To change **MODE**, **push button** one time, LED will confirm **MODE** with slow flash pattern (1-8 slow flashes).

3) To change OPTION SELECTION within a MODE, **press LOCK or UNLOCK** button on the aftermarket remote control system. LED will identify option selection with either one or two fast flashes.

4) To save and exit programming, **press** and **hold button** until LED flashes one time rapidly, showing end of OPTION programming.

* = Default

MODE 1 =	***OPTION 1:** 1st pulse unlock all doors (Default)	**OPTION 2:** 1st pulse unlock driver door, 2nd pulse unlock all doors
MODE 8 =	***OPTION 1:** No reset (Default)	**OPTION 2:** Complete reset of option and module

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