



Update Alert: Firmware updates are posted to 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 and key interface compatible with the latest Hyundai vehicles. The available features include brake, hand brake, hood, trunk and door trigger sensors, as well as tach output.



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TECHNICAL SUPPORT / INFORMATION

XPRESSKIT



web resources:

www.xpresskit.com
www.xpressvip.com
www.directechs.com

Vehicle Application Guide

Vehicles	2011	2010	2009	AV-Panic Mode Activation	DL-Arm Factory Security	DL-Disarm Factory Security	DL-Door Lock Control	DL-Door Unlock	DL-Driver Priority Unlock	DL-Trunk / Hatch Release	FOB-Control of aftermarket alarm with OEM remote	PK-Immobilizer Bypass-Data No Key Req'd	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-Hand Brake Status	ST-Ignition Status
Hyundai																				
Genesis (Smart Key)	1	1	1	D	•	•	•	•	D	•	D	•	•	•	D	•	•	•	D	D
Genesis Coupe (Smart Key)	2	2	2	D	•	•	•	•	D	•	D	•	•	•	D		•	•		D
Sonata (Smart Key)	3			D	•	•	•	•	D	•	D	•		•	D	•	•	•		D

Legend:

D: Data-to-Data (D2D) only

•: D2D and Wire-to-Wire (W2W)

DL: OE Door Lock & Alarm Controls

FOB: Sync CAN Interface w / FOB Remote

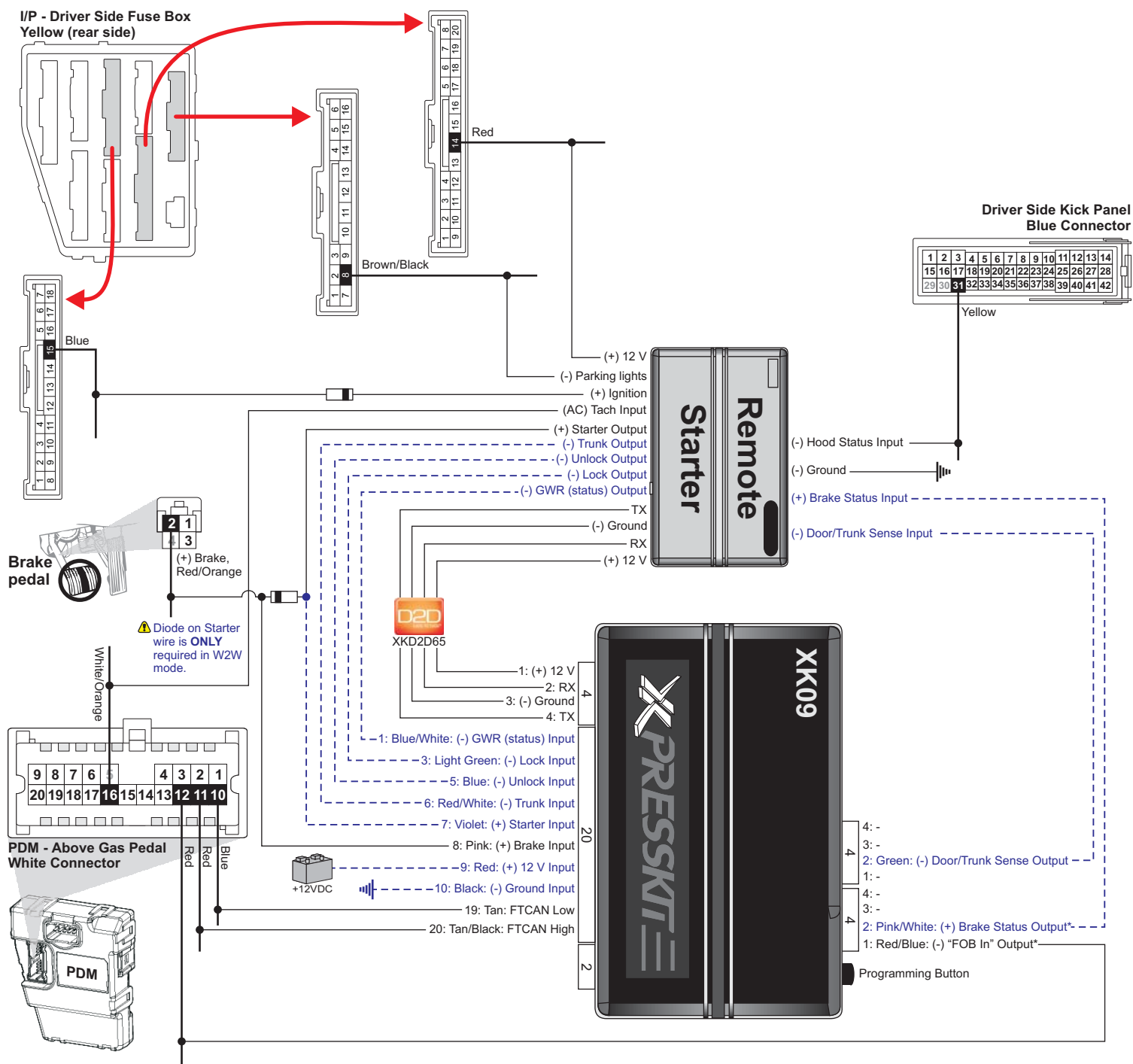
PK: Transponder & Immobilizer Override

RS: Engine Start & Status

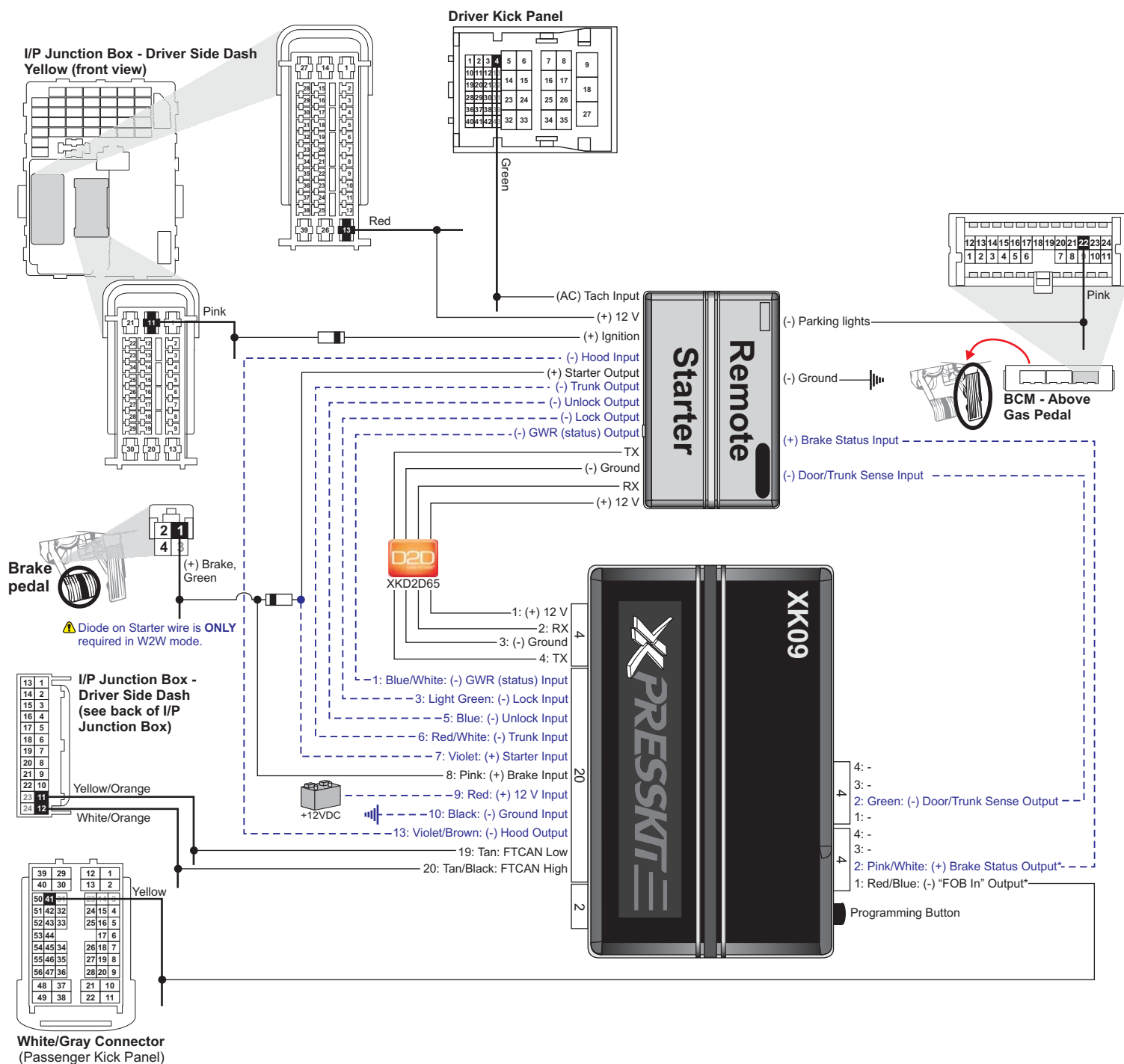
SS: Entry Point Status-Security

ST: Function/Feature Status

Installation Type 2: 2009-2011 Hyundai Genesis Coupe



Installation Type 3: 2011 Hyundai Sonata



---- Not required in D2D mode.

* If the kit you have purchased does not include a 4-pin black harness to accommodate these wires, use a D2D or relay pack harness.

⚠ Wires are listed by pin numbers. This display is not representative of connector pin layouts, which are often stacked.

Module Programming

Takeover

To perform a takeover once the vehicle is remotely started, press UNLOCK on the aftermarket remote and enter the vehicle with the factory proximity key, then press the brake pedal. You have 45 seconds after the UNLOCK button is pressed to perform a takeover or the engine will turn off if a door is opened.

! Refer to the LED Diagnostics section on page 7 for more information and for troubleshooting purposes.

If connected in D2D:

Connect the 4-pin D2D and the 20-pin harnesses.

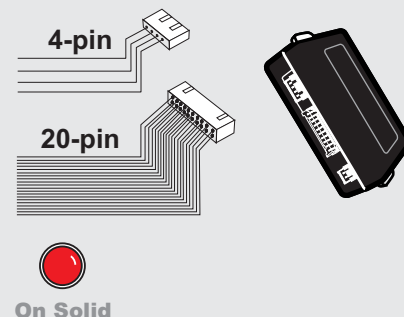
If connected in W2W:

Connect the 20-pin harness.

1

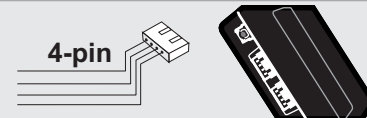
! **Caution!** The 20-pin connector can be easily plugged in backwards.

The LED turns ON solid.



2

Connect one or both of the other 4-pin harnesses, depending on the requirements of each installation types.



3

Make sure the key is inside the vehicle.



4

Press the Push-to-Start button twice to turn the ignition ON **without** pressing on the brake pedal. The LED will stay ON solid for 3 seconds, then turn OFF.



5

Press the Push-to-Start button once more to turn the ignition OFF. The module is programmed and ready to use.



Resetting the Module

1

Disconnect the module from any power source.



2

Press and HOLD the Integrated Programming Button (IPB). While holding the button, connect the module to the power source.















3

Wait until the red LED flashes once and release the Integrated Programming Button (IPB).



LED Diagnostics

LED	Status	Description	Troubleshooting
Module Programming			
	Off	Module has no power.	Make sure the D2D harness is connected or the 12V is present between the red and black wires.
	Solid	Data Bus type cannot be detected.	Make sure the connections to the CAN Bus are correct, then press the Push-to-Start button twice to turn the ignition ON.
	Solid for 3 seconds and then off	Module is already or was successfully programmed.	Normal operation.
	Flashes once quickly	Module was reset.	Normal operation.
Active Ground While Running			
	Solid	Incorrect behavior.	Data is not processing correctly. Disconnect the power from the module and power up.
	Off	Ground while running (status) off.	Make sure the module was programmed, i.e. the D2D harness is properly connected or the ground while running (status) wire is connected (if in W2W mode).
	Flashes for 1 second	A command is processing.	Normal operation.
	Flashes	Ground while running (status) on.	Normal operation.
Inactive Ground While Running			
	Off	Ground while running (status) is off.	Normal operation.
	Flashes for 1 second	A command is processing.	Normal operation.
	Solid	Incorrect behavior.	Data is not processing correctly. Disconnect the power from the module and power up.
	Flashes	Ground while running (status) on.	Module did not receive ground while running (status) off. Make sure the D2D harness is properly connected or the ground while running (status) wire is not shorted to ground.

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.

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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**