



**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 for many late model Audi, Volkswagen, Seat, and Skoda vehicles. Features include trunk release, comfort closure, turn signal control, door trigger sensing and tach output.



**Audi**



**SEAT**



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## Vehicle Compatibility Chart

**Note: One Factory Programed Key is required to install a Remote Starter**

Vehicle Years & Installation Type (DBALL)											DL-	DL-	DL-	FOB-	DL-	CC-	AV-	SS-	SS-	SS-	RS-	RS-	RS-
	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	Door Lock Control	Door Unlock ALL doors	Arm/Disarm Factory Security	Control of Aftermarket Alarm with OEM Remote	Trunk / Hatch Release	Comfort Closure **	Turn Signal Control ON/OFF *	Entry Status ALL Door Pins	Entry Status Hood Pin	Entry Status Trunk/Hatch Pin	Tach Output	Brake Status	Handbrake Status
<b>AUDI</b>																							
A4/S4/RS4 - (8E)					1	1	1	1			•	•	•	D	•	•	•	•	•	•	•	•	•
A4 Cabrio - (8H)				1	1	1	1	1			•	•	•	D	•	•	•	•	•	•	•	•	•
TT - (8N)							2	2	2	2	•	•	•	D	•	•		•				•	
<b>SEAT</b>																							
Exeo - (3R)	1	1	1	1							•	•	•	D	•	•	•	•	•	•	•	•	•
Leon - (1M)								2	2	2	•	•	•	D	•	•		•				•	
Toledo - (5M)								2	2	2	•	•	•	D	•	•		•				•	
<b>SKODA</b>																							
Octavia Tour - (1U)			4	4	4	4	4	4	4		•	•	•	D	•	•		•			•	•	
Octavia Scout - (1Z)				4	4	4	4	4			•	•	•	D	•	•		•	•		•	•	
Superb - (3T)					3	3	3	3	3		•	•	•	D	•	•		•				•	
<b>VOLKSWAGEN</b>																							
Golf IV - (1J)									2	2	•	•	•	D	•	•		•				•	
Jetta/Bora - (1J)									2	2	•	•	•	D	•	•		•				•	
New Beetle - (1Y/9C)			2	2	2	2	2				•	•	•	D	•	•		•				•	
Passat - (3BC)									3	3	•	•	•	D	•	•		•				•	

VIN description VWVXXX(1K)123456789

**Legend:**

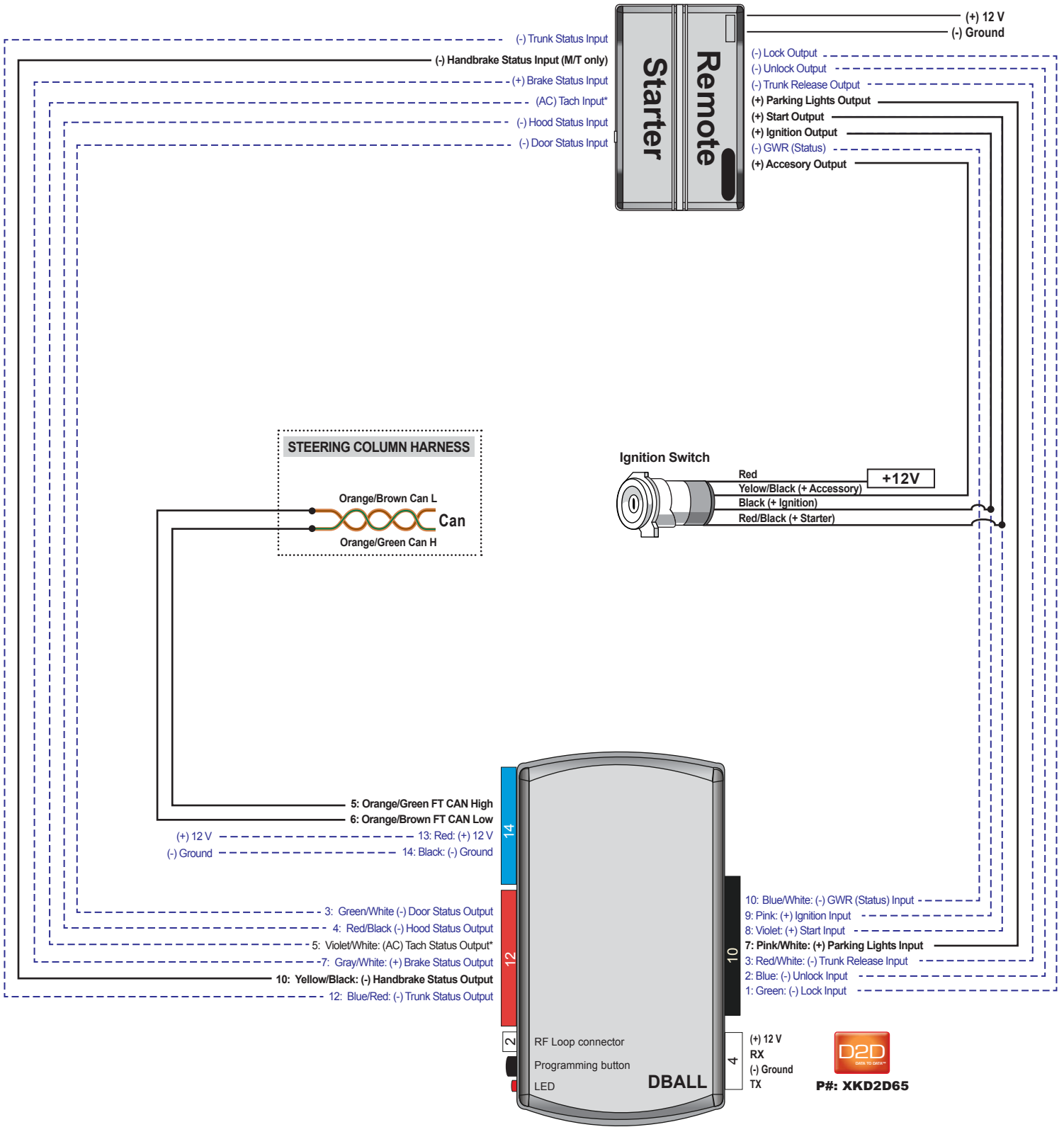
- D: Data-to-Data (D2D) only
- : D2D and Wire-to-Wire (W2W)
- AV: Horn & Lights Control
- CC: Comfort & Convenience Controls
- DL: OE Door Lock & Alarm Controls
- FOB: Sync CAN interface W/FOB Remote
- RS: Engine Start & Status
- SS: Entry Point Status-Security
- ST: Function/Feature Status

**Takeover procedure**

1. Disarm the Remote Starter
2. Within 60 seconds: a) for REGULAR KEY vehicles: open the door, turn the ignition to run position and press the brake.  
b) for PTS(Push To Start) vehicles: open the door and press the brake.

**Note:** If the brake is not pressed within 60 seconds after the unlock, takeover become inactive.

**INSTALLATION TYPE 1**

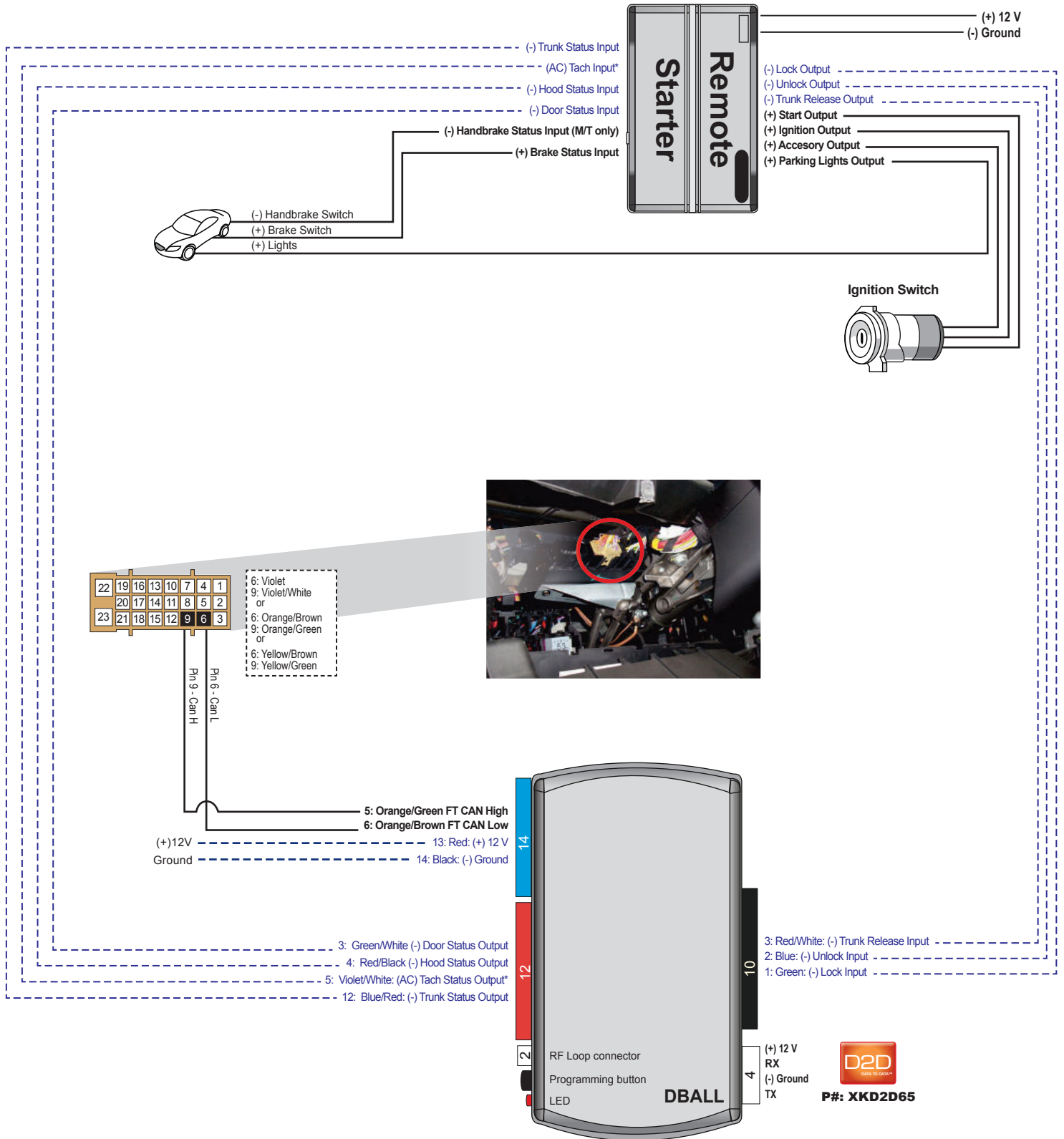


----- Not required in D2D mode

\* These wires are optional connections required on some remote starters, which do not support these signals in D2D.

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

**INSTALLATION TYPE 2**

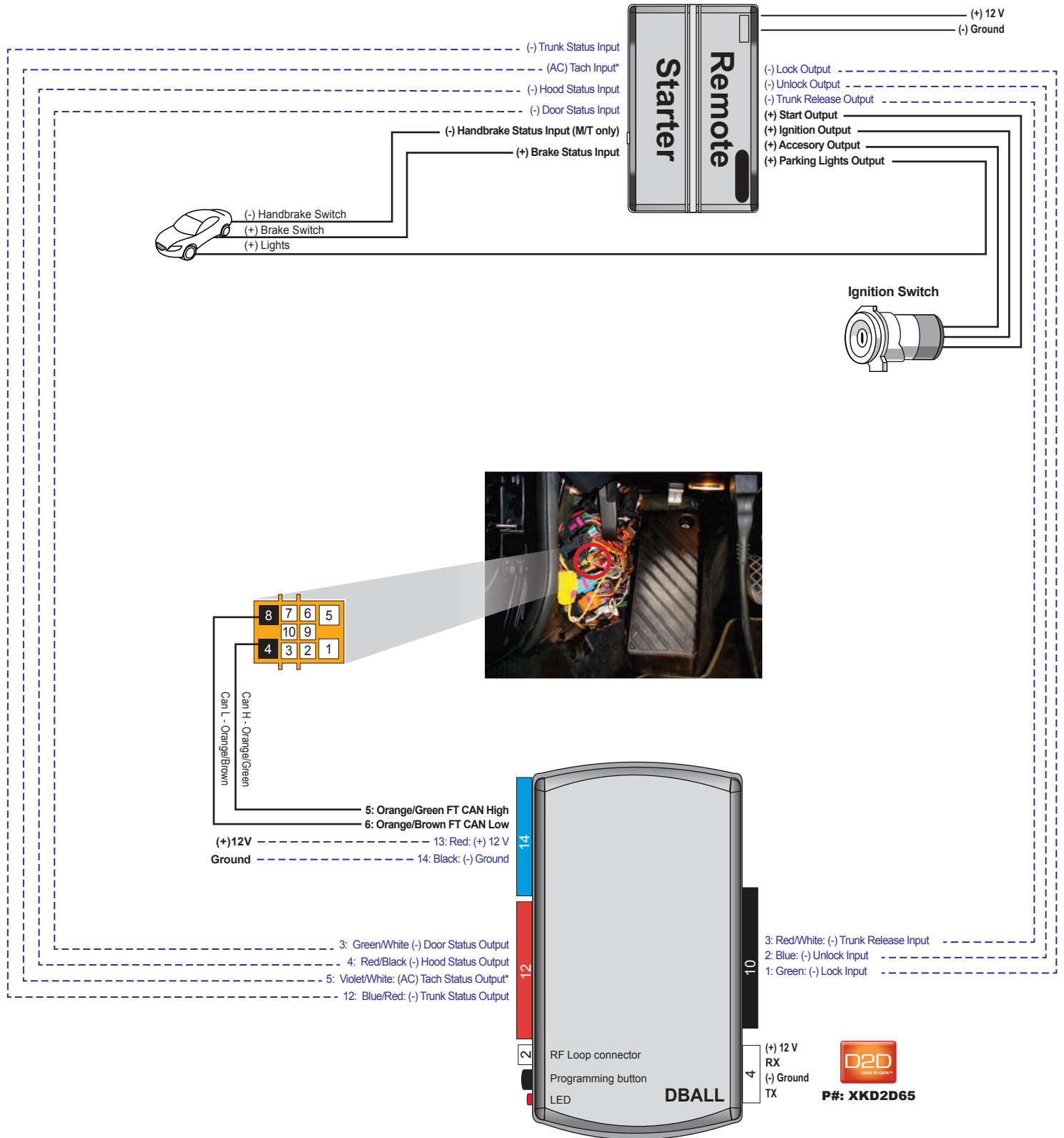


----- Not required in D2D mode

\* These wires are optional connections required on some remote starters, which do not support these signals in D2D.

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

**INSTALLATION TYPE 3**

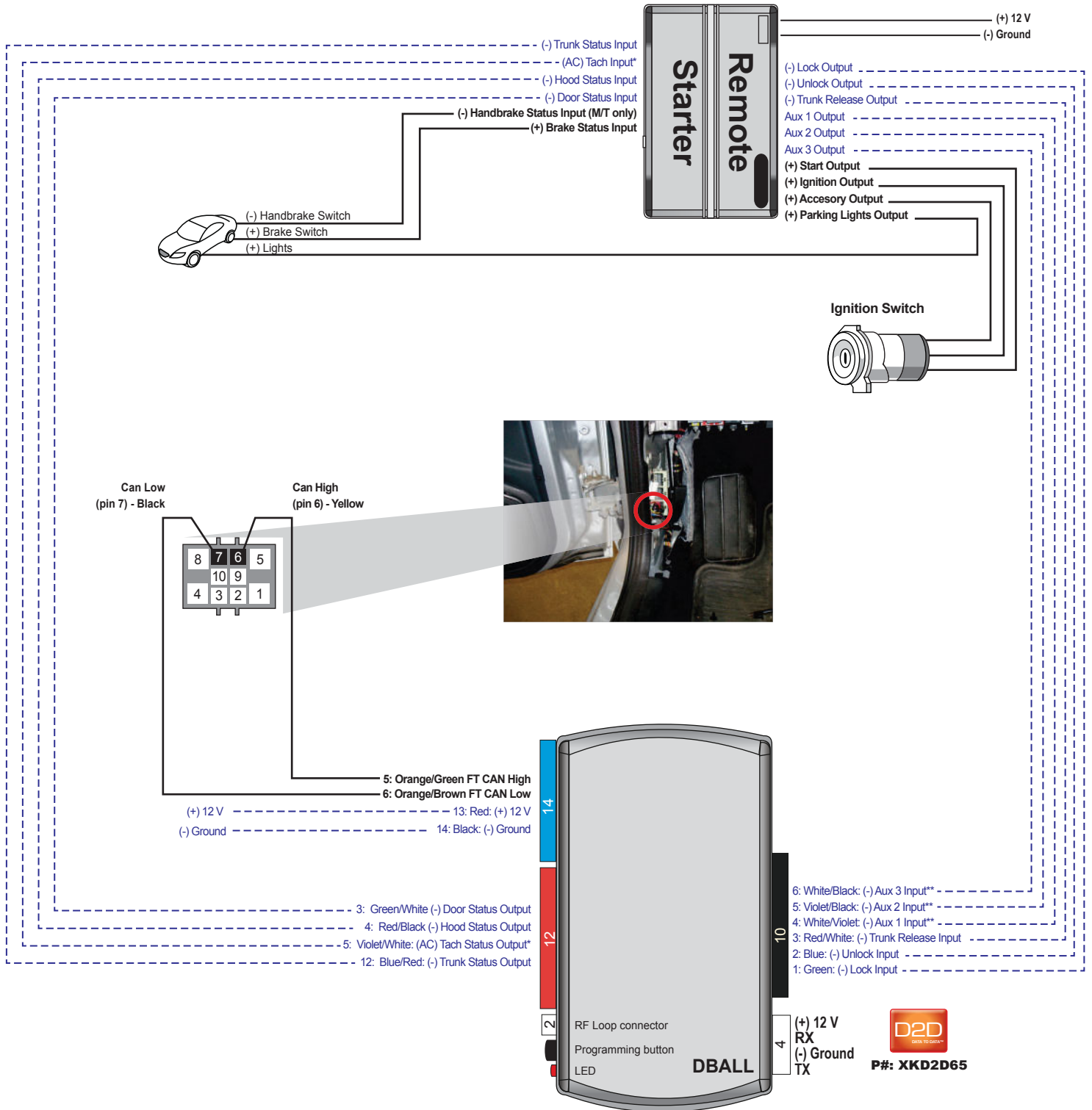


----- Not required in D2D mode

\* These wires are optional connections required on some remote starters, which do not support these signals in D2D.

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

**INSTALLATION TYPE 4**



----- Not required in D2D mode

\* These wires are optional connections required on some remote starters, which do not support these signals in D2D.

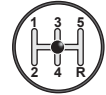
\*\* See the Feature and Option list section for the Auxiliary Channel programming options.

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

## Module Programming

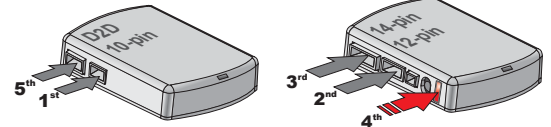
**1**

Please ensure that the vehicle is in a safe location and cannot move forward during programming. For vehicles equipped with a manual transmission, ensure the gearshift lever is in the neutral position.



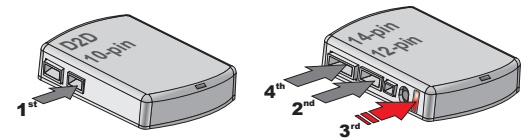
**2a**

**If using in D2D :** Connect the 10-pin, 12-pin & 14-pin harnesses to the module. Press & hold the Programming button, then connect the 4-pin D2D harness.



**2b**

**If using in W2W:** Connect the 10-pin & 12-pin harnesses to the module. Press & hold the Programming button, then connect the 14-pin harness to the module.



**3**

Wait until the LED turns ON orange then release the Programming button. The LED turns ON red.



**4**

Turn the Ignition ON using the Key



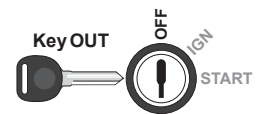
**5**

Wait until the LED turns ON solid green for 3 seconds, then turns OFF. The module has been successfully programmed.



**6**













Turn the Ignition OFF



**Module reset will be done automatically upon programming.**

**!** Refer to the LED Diagnostics section on page 8 for more information and for troubleshooting purposes.

## LED Diagnostics and Troubleshooting

LED	Status	Description	Troubleshooting
<b>Module Programming</b>			
 Solid	Solid red.	Waiting for the vehicle to be started.	Make sure that all the connections are correct (see install sheet) and start the vehicle to begin the programming sequence.
 Solid x30 secs Flashes x1	Solid red for 30 seconds, then flashes once.	FT CAN not detected.	The CAN wires may be incorrectly connected. Refer to the wiring diagram to make the right connections.
 Solid x30 secs Flashes x3	Solid red for 30 seconds, then flashes 3 times.	Invalid CAN network.	The CAN bus was detected but the ignition on CAN message is not detected. Check if the firmware from unit is correct.
 Solid x30 secs Flashes x4	Solid red for 30 seconds, then flashes 4 times.	Invalid VIN.	The VIN number is invalid. Report the issue to technical support.
 Solid x30 secs Flashes x5	Solid red for 30 seconds, then flashes 5 times.	Internal error.	Report the issue to technical support.
 Flashes	Flashes green continuously.	Vehicle has been successfully detected.	N/A.
 Solid x3 secs	Solid green for 3 seconds.	Module has been successfully programmed.	N/A.
<b>Active Ground While Running</b>			
 Flashes	Flashes green continuously.	Ground out (GWR) is active.	N/A.
 Off	Off.	N/A.	The Ground While Running (status) wire is incorrectly connected. Refer to the wiring diagram to make the right connections.
<b>Inactive Ground While Running</b>			
 Flashes x1	Flashes green once.	Lock command has been received.	If it does not flash, the bypass module did not receive the signal. Verify the connections between the bypass and the remote starter module.
 Flashes x2	Flashes green twice.	Unlock command has been received.	If it does not flash, the bypass module did not receive the signal. Verify the connections between the bypass and the remote starter module.
 Flashes x3	Flashes green 3 times.	Trunk release command has been received.	If it does not flash, the bypass module did not receive the signal. Verify the connections between the bypass and the remote starter module.



## 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, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NON INFRINGEMENT 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. 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.

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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 it's 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**