



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 transponder interface (no key required) for many of the latest models of Mitsubishi vehicles. Features include door trigger sensing, tach output and FOB control.



– **European Models Only** –

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| | |
|---|---|
| TECHNICAL SUPPORT / INFORMATION | |
|  | web resources: www.xpresskit.com www.directechs.com |

Vehicle Application Guide

| Vehicles | | | | | | | 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 |
|--|------|------|------|------|------|------|--------------------------|-------------------------|----------------------------|----------------------|----------------|---------------------------|--------------------------|--|---|----------------------|-----------------------------------|-------------------------------------|--------------------------------|-------------------------------------|------------------------------|----------------------|--------------------|
| | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | | | | | | | | | | | | | | | | | |
| Mitsubishi (European Models Only) | | | | | | | | | | | | | | | | | | | | | | | |
| Lancer | 1 | 1 | 1 | 1 | | | • | • | • | • | • | • | D | • | • | • | D | • | • | • | • | D | |
| Lancer (Smart Key) | 1 | 1 | 1 | 1 | | | • | • | • | • | • | • | D | • | • | • | D | • | • | • | • | D | |
| Lancer Evolution | 1 | 1 | 1 | 1 | | | • | • | • | • | • | • | D | • | • | • | D | • | • | • | • | D | |
| Outlander | 1 | 1 | 1 | 1 | 1 | | • | • | • | • | • | | D | • | • | • | D | • | • | • | • | D | |
| Outlander (Smart Key) | 1 | 1 | 1 | 1 | | | • | • | • | • | • | | D | • | • | • | D | • | • | • | • | D | |
| ASX | 2 | | | | | | • | • | • | • | • | • | D | • | • | • | D | • | • | • | • | D | |
| ASX (PTS) | 2 | | | | | | • | • | • | • | • | • | D | • | • | • | D | • | • | • | • | D | |

* - Hood status is ONLY supported if the vehicle is equipped with an OEM anti-theft security alarm.

Legend:

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

AV: Horn & Lights Control
CC: Comfort & Convenience Controls

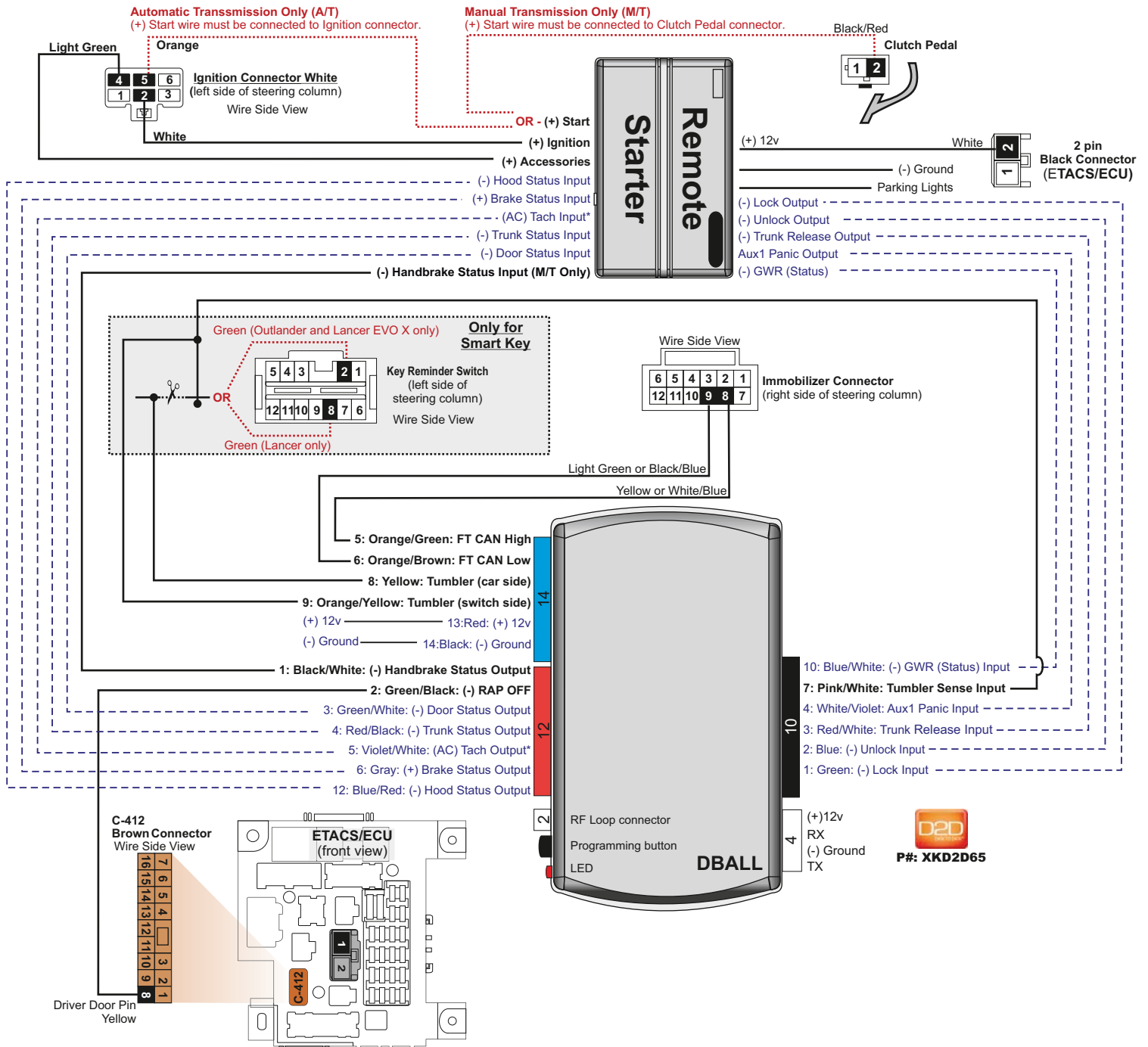
DL: OE Door Lock & Alarm Controls
PK: Transponder & Immobilizer Override

RS: Engine Start & Status
SS: Entry Point Status-Security

ST: Function/Feature Status

Installation Type 1

Refer to the **Locating Components in the Vehicle (Types 1)** section on page 5 for more information.



Note: Takeover is not available, the engine will stop when you open the door.

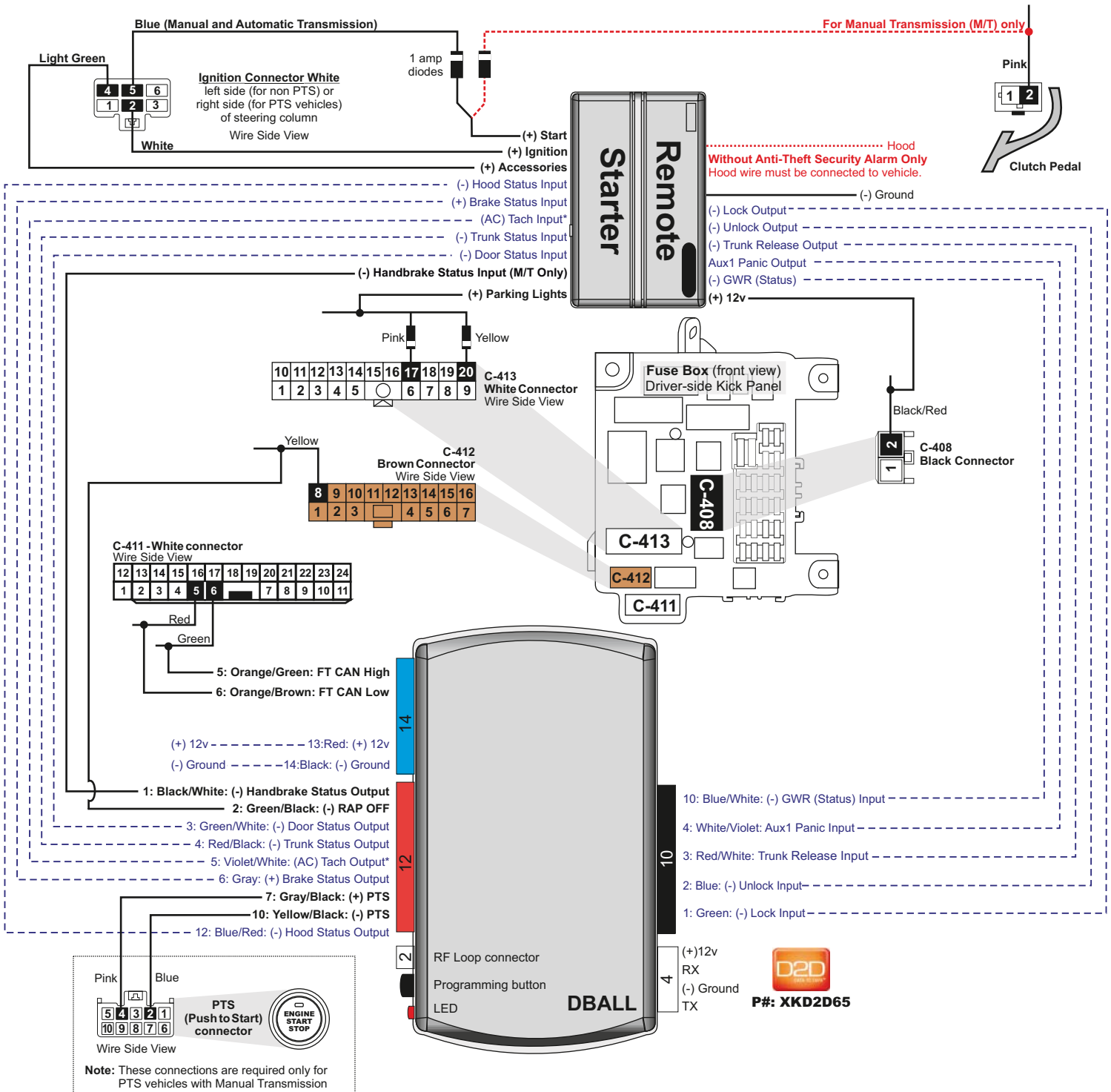
---- Not required in D2D mode.

* The Tach wire is an optional connection required on some remote starters, which do **NOT** support a tach signal in D2D.

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

Installation Type 2

Refer to the **Locating Components in the Vehicle (Type 2)** section on page 6 for more information.



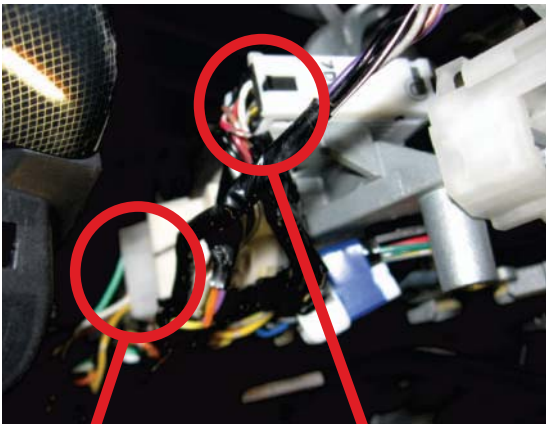
Note: Takeover is not available, the engine will stop when you open the door.

----- Not required in D2D mode.

* The Tach wire is an optional connection required on some remote starters, which do **NOT** support a tach signal in D2D.

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

Locating Components in the Vehicle (Types 1)

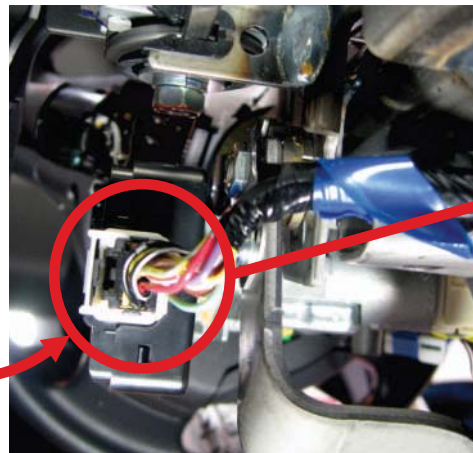


Ignition Connector
White
(left side of steering column)
(+) Accessory: (pin 6) Light Green
(+) Ignition: (pin 2) White
(+) Start: (pin 5) Orange

Key Reminder Switch
Black & White
(left side of steering column)
(+) Tumbler Sense:
(pin 4) Green (Outlander only)
(pin 10) Green (Lancer only)

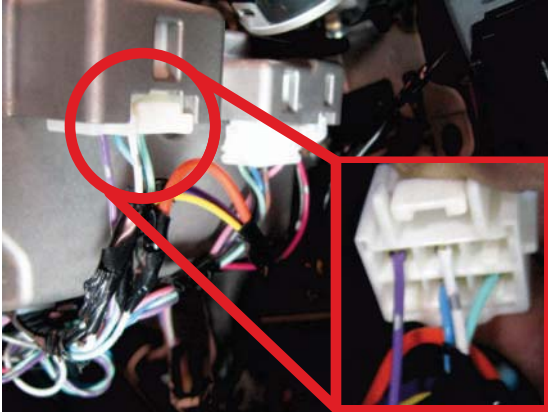


ETACS/ECU Connector
Black
(driver-side kick panel)
(+) 12v: (pin 1) White



Immobilizer Connector
Black & White
(right side of steering column)
FT CAN Low: (pin 10) Light Green
FT CAN High: (pin 11) Yellow

Locating Components in the Vehicle (Type 2)

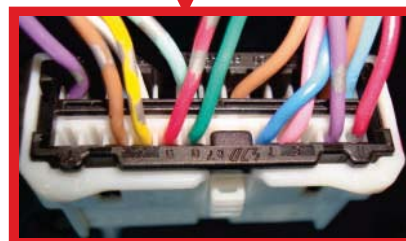
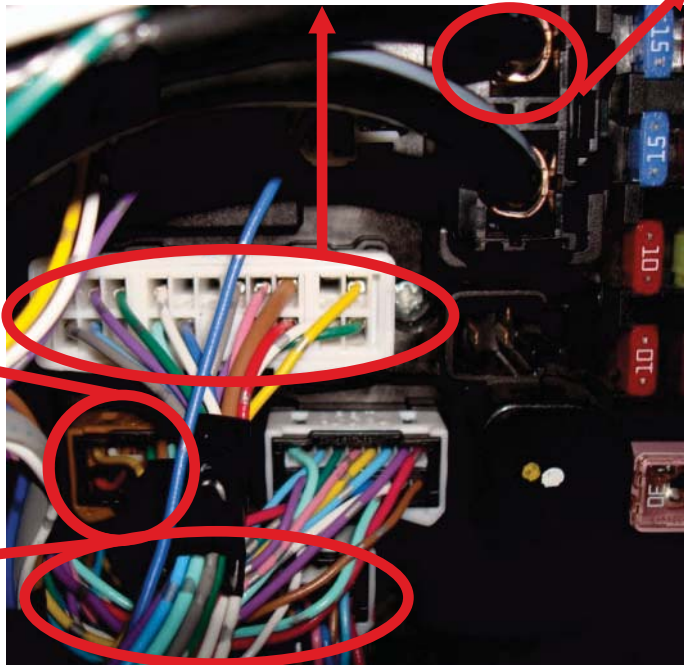
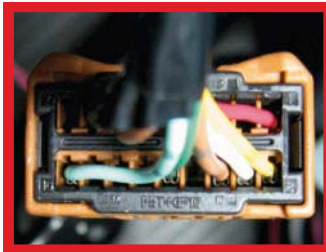


Ignition Connector
White
(left side of steering column)
(+) Accessory: (pin 6) Light Green
(+) Ignition: (pin 2) White
(+) Start: (pin 5) Blue

C-413 - White Connector
(at fuse box in driver-side kick panel)
(+) Parking Lights: (pin 10) Yellow
(+) Parking Lights: (pin 13) Pink

C-408 - Black Connector
(at fuse box,
in driver-side kick panel)
(+) 12v: Black/Red

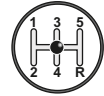
C-412 - Brown Connector
(at fuse box in driver-side kick panel)
(-) Auto Headlamp Shutoff Output: (pin 16) Yellow



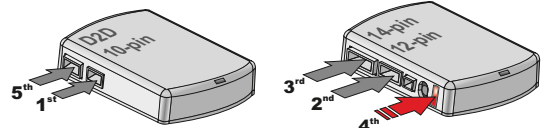
C-411 White Connector
(at fuse box in driver-side kick panel)
Can H: (pin 6) Green
Can L: (pin 5) Red

Module Programming

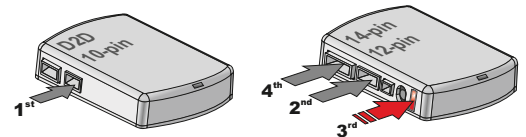
- 1** Please ensure that the vehicle is in a safe location and cannot move forward during programming. For vehicles equipped with a manual transmission, ensure the gearshift lever is in the neutral position.



- 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.



Module programming for vehicle with key or Knob.

- 4** Turn the Ignition ON using the key or knob



- 5** The LED turns ON solid green for 3 seconds, then turns OFF once the module has been successfully programmed.



- 6** Turn the Ignition OFF.



Module programming for vehicle with push-to-start.

- 4** Make sure the key is in the vehicle. Press the push-to-start button twice to the ON position. The green LED turns ON for 3 seconds and shuts off.



- 5** The module is now programmed, press once again to OFF position.



Module reset will be done automatically upon programming.

Refer to the LED Diagnostics section on page 9 for more information and for troubleshooting purposes.

Feature and Option List

| Features | Operation | Option |
|----------|---|------------------------------|
| 1 | RF Output type Activate this feature whenever an external RFTD module is used (i.e. Directed SmartStart™**, XL201 or XL202). | No RF Output* RFTD Output |

* **Default Option**

** RFTD Output must be enabled for Directed SmartStart™ to work properly.

Feature Programming



To enter feature programming routine

- Use the key to turn the ignition ON, then OFF.
- Within 5 sec, press and HOLD the Programming button. The orange LED turns ON after 3 seconds. Release the Programming button.
- The green LED starts flashing slowly one time to indicate the feature number is 1. After a short delay, the red LED flashes rapidly to indicate the current option of feature 1. It repeats until next action happens.

Changing feature options

- Press the lock/arm or unlock/disarm button on aftermarket transmitter to change the option of the selected feature.
- The red LED flashes rapidly the number of times equal to the current option number. After a short delay, the green LED flashes slowly the number of times to indicate the current feature. It repeats until next action happens.

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 green LED flashes slowly the number of times equal to the feature number. After a short delay, the red LED flashes rapidly to indicate the current option of the current feature. It repeats until next action happens.

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










Once a feature is programmed

- Another feature(s) can be programmed.
- The feature programming can be exited.

Exiting feature programming

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

LED Diagnostics and Troubleshooting

| LED | Status | Description | Troubleshooting |
|--|------------------------------|--|--|
| Module Programming | | | |
|  Solid | Solid red. | Waiting for the vehicle to be started. | Make sure that all the connections are correct (see install sheet) and turn the ignition ON to begin the programming sequence. |
|  Flashes | Flashes orange continuously. | Can has been successfully detected. | Make sure you keep the key to the ON position long enough to let the programming finish. |
|  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. |
| Active Ground While Running | | | |
|  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. |
| Inactive Ground While Running | | | |
|  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.

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.920-0007 07-06

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**