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.

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## Vehicle Compatibility Chart

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

<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>AUDI</strong></td>
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<td>A4/S4/RS4 - (8E)</td>
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<td>Octavia Tour - (1U)</td>
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<td>Octavia Scout - (1Z)</td>
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<td>Superb - (3T)</td>
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<td>New Beatle - (1Y/9C)</td>
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<td>Passat - (3BC)</td>
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</tbody>
</table>

**VIN description:** VWVXXX(1K)123456789

**Legend:**
- **D:** Data-to-Data (D2D) only
- **AV:** Horn & Lights Control
- **CC:** Comfort & Convenience Controls
- **DL:** Door Lock Control
- **DS:** Security
- **F1:** Trunk Release
- **F2:** ROBD (Realtime OBD) Interface
- **F3:** FOB Control of aftermarket alarm
- **F4:** Trunk Status
- **F5:** Engine Start & Status
- **F6:** Brake Status
- **F7:** Handbrake 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**

- (-) Trunk Status Input
- (-) Handbrake Status Input (M/T only)
- (+) Brake Status Input
- (AC) Tach Input*
- (-) Hood Status Input
- (-) Door Status Input
- (-) Lock Output
- (-) Unlock Output
- (-) Trunk Release Output
- (+) Parking Lights Output
- (+) Start Output
- (+) Ignition Output
- (+) Accessory Output

---

Installations:

1. Blue/White: (-) GWR (Status) Input
2. Pink: (+) Ignition Input
3. Violet: (+) Start Input
4. Pink/White: (+) Parking Lights Input
5. Red/White: (-) Trunk Release Input
6. Blue: (-) Unlock Input
7. Green: (-) Lock Input

---

Remote Starter:

- (+) 12 V
- (-) Ground

---

STEERING COLUMN HARNESS

- Orange/Brown Can L
- Orange/Green Can H
- 10: Blue/White: (-) GWR (Status) Input
- 9: Pink: (+) Ignition Input
- 8: Violet: (+) Start Input
- 7: Pink/White: (+) Parking Lights Input
- 3: Red/White: (-) Trunk Release Input
- 2: Blue: (-) Unlock Input
- 1: Green: (-) Lock Input

---

- (+) 12 V
- (-) Ground

---

Remote

Starter

Ignition Switch

Red

Yellow/Black (+ Accessory)

Red/Black (+ Starter)

---

STEERING COLUMN HARNESS

- Orange/Green FT CAN High
- Orange/Brown FT CAN Low
- (+) 12 V
- (-) Ground
- (+) 12 V
- (-) Ground

---

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**

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Green: Lock Input</td>
</tr>
<tr>
<td>2</td>
<td>Blue: Unlock Input</td>
</tr>
<tr>
<td>3</td>
<td>Red/White: (-) Trunk Release Input</td>
</tr>
<tr>
<td>4</td>
<td>Red/Black: (-) Hood Status Output</td>
</tr>
<tr>
<td>5</td>
<td>Violet/White: (AC) Tach Status Output*</td>
</tr>
<tr>
<td>6</td>
<td>Orange/Brown: FT CAN Low</td>
</tr>
<tr>
<td>9</td>
<td>Orange/Green: FT CAN High</td>
</tr>
<tr>
<td>12</td>
<td>Blue/Red: (-) Trunk Status Output</td>
</tr>
<tr>
<td>13</td>
<td>Red: (+) 12 V</td>
</tr>
<tr>
<td>14</td>
<td>Black: (-) Ground</td>
</tr>
</tbody>
</table>

* 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.

---

**Not required in D2D mode**

---

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INSTALLATION TYPE 3

(-) Handbrake Status Input (MT only)
(+): Brake Status Input
(+): Brake Switch
(+): Lights
(-) Handbrake Switch

(-) Trunk Status Input
(+): Trunk Status Input
(+): Trunk Status Input
(-): Handbrake Status Input

(-): Hood Status Input
(-): Door Status Input
(-): Tach Status Input*
(+): Ignition Status Input
(+): Parking Lights Output
(+): Accessory Output
(+): Remote Starter
(+): 12 V
(-): Ground

(-): Lock Output
(-): Unlock Output
(-): Trunk Release Output
(+): Start Output
(+): Ignition Output
(+): Accessory Output
(+): Parking Lights Output

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

- (-) Trunk Status Input
- (+) Ignition Output
- (-) Lock Output
- (-) Unlock Output
- (-) Trunk Release Output

Aux 1 Output
Aux 2 Output
Aux 3 Output
(+) 12 V
(-) Ground

(-) Handbrake Status Input (M/T only)
(+) Brake Status Input

(-) Door Status Input
(+) Parking Lights Output

Remote Starter

Ignition Switch

Can Low (pin 7) - Black
Can High (pin 6) - Yellow

(+12 V
(-) Ground

5: Orange/Green FT CAN High
6: Orange/Brown FT CAN Low
13: Red: (+) 12 V
14: Black: (-) Ground

3: Green/White (-) Door Status Output
4: Red/Black (-) Hood Status Output
5: Violet/White: (AC) Tach Status Output*
12: Blue/Red: (-) Trunk Status Output

2: Blue: (-) Unlock Input
1: Green: (-) Lock Input

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

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.

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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

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