



**Update Alert:** Firmware updates are posted to the web on a regular basis. We recommend you check for firmware and/or install guide updates prior to installation of this product.

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### TECHNICAL SUPPORT / INFORMATION

**XPRESSKIT**



#### web resources:

[www.xpresskit.com](http://www.xpresskit.com)  
[www.xpressvip.com](http://www.xpressvip.com)  
[www.directechs.com](http://www.directechs.com)

## 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; **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 **PENDING:** 2,291,306; **MADE IN CANADA**

### Vehicle Compatibility Chart

Vehicle Years & Installation Type (CANMAX400DEI)	2010	2009	2008	2007	2006	2005	Electronic Ignition Interfaces	DL - Door Lock Control	DL - Door Unlock ALL doors	DL - Door Unlock Driver Priority	DL - Arm Factory Security	DL - Disarm Factory Security	DL - Trunk / Hatch Release	CC - Auto-Unlock Ign Key Off & Out	CC - Sunroof closure	CC - Comfort Closure	CC - Window Vent	AV - Parking lights control	AV - Turn Signal Control ON/OFF	SS - Entry Status ALL Door Pins	SS - Entry Status Hood Pin	SS - Entry Status Trunk/Hatch Pin	SS - Entry Status Drivers Door Pin	MC - Keypense Status	RS - Tach Output	RS - Ignition Status	RS - Brake Status	RS - Handbrake Status
	<b>Audi</b>																											
A6 - (4F)	A	A	A	A	A	A	D	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	D	■	D	D	D
A6 Allroad - (4F)	A	A	A	A			D	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	D	■	D	D	D
S6 - (4F)	A	A	A	A	A		D	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	D	■	D	D	D
R56 - (4F)	A	A	A	A			D	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	D	■	D	D	D
Q7 - (4L)	A	A	A	A	A		D	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	D	■	D	D	D

VIN description vwvXXX4L123456789

**Legend:**

- = Available in Wire to Wire & Data to Data mode
- D = Available in Data to Data mode only
- A = Installation Type A

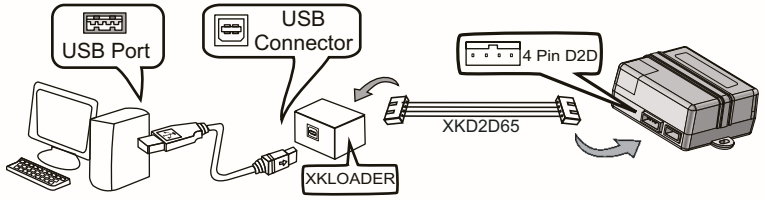
- PK = Transponder & Immobilizer Override
- DL = OE Door Lock & Alarm Controls
- AV = Horn & Lights Control
- SS = Entry Point Status -Security
- FOB= Factory Remote Status Control
- RS = Engine Start & Status
- NKR= No Key Required

**ATTENTION:** If the module is already programmed for a specific vehicle model and you need to move the module to another vehicle you either need to reset the module (if the new vehicle model is part of the flashed firmware coverage) or to flash the module once again (if the vehicle model is not part of firmware coverage).

# BOOTLOADING

## with XKLOADER 2

Connect USB cable to the Bootloader and plug USB to any available USB port on your PC. Then connect the XKD2D65 wire into the CANMAX400, and connect the XKD2D65 to bootloader.



## Flash Vehicle Interface Kit

To Flash Vehicle Interface Kit you must use Vehicle Interface Program - **Xpress VIP**.

**Xpress VIP** is a flash utility that can be used to verify and save firmware images onto the Upgradeable Vehicle Interface Kit.

- for **Xpress VIP**'s installation guide, go to: <http://www.xpressdownload.com/installingvip3.aspx>
- for instructions about using **Xpress VIP**, go to: <http://www.xpressdownload.com/Downloads/vipguide.pdf>

\*If the module has never been programmed, the LED will come ON red, then change to Green when programmed. If the module is already programmed, the LED will come ON Green 3 sec and shut off.

For features & options programming, please go to pages 9-10.

## Installation (overview)

**Please Note:** Failure to proceed in the following order could result in possible vehicle damage.

1

### 20 PIN Wiring

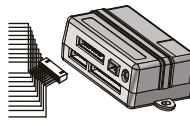


Connect wires to the vehicle according to the installation type. Refer to the vehicle application chart on page 3 for details.

2



### Connect 20 pin to module

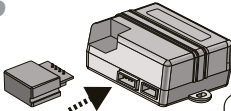


Connect the 20 pin harness to the module.



Caution:  
20 pin connector can be easily plugged in backwards.

3



### XPRESSKEY

If applicable, insert the XPRESSKEY in the bypass module.



4

### Connect the remote starter to the vehicle.

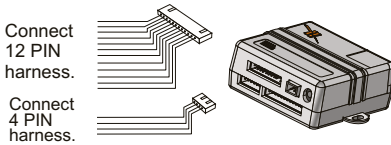


Connect the system to the vehicle according to its instruction.

5

### Powerup the CANMAX

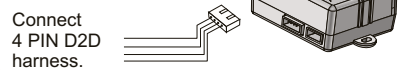
#### a) If connected Without D2D



If the module is use **without** D2D (Data to Data), connect the 12 & 4 PIN harness to the Alarm Module. Go to the 12 & 4 PIN harness installation page for details.

Once done, the bypass red LED will turn ON.

#### b) If connected in D2D mode only



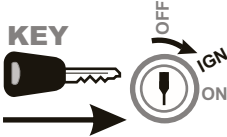
### Jumper

Make sure both jumpers of the Responder LE/LC3 are in the horizontal position to **operate**.

Once done, the bypass red LED will turn ON.

6

### Module programming



Within 30 sec. from power up turn IGN ON

7

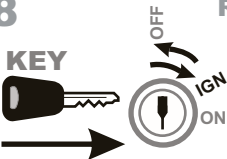
### Ready to learn ignition



Green LED will start flashing quickly

8

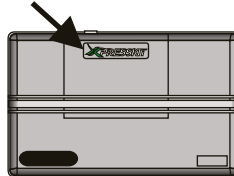
### RS programming



Within 30 sec from green LED start flashing quickly remove key from ignition and then turn IGN ON.

9

### Ready to use\*



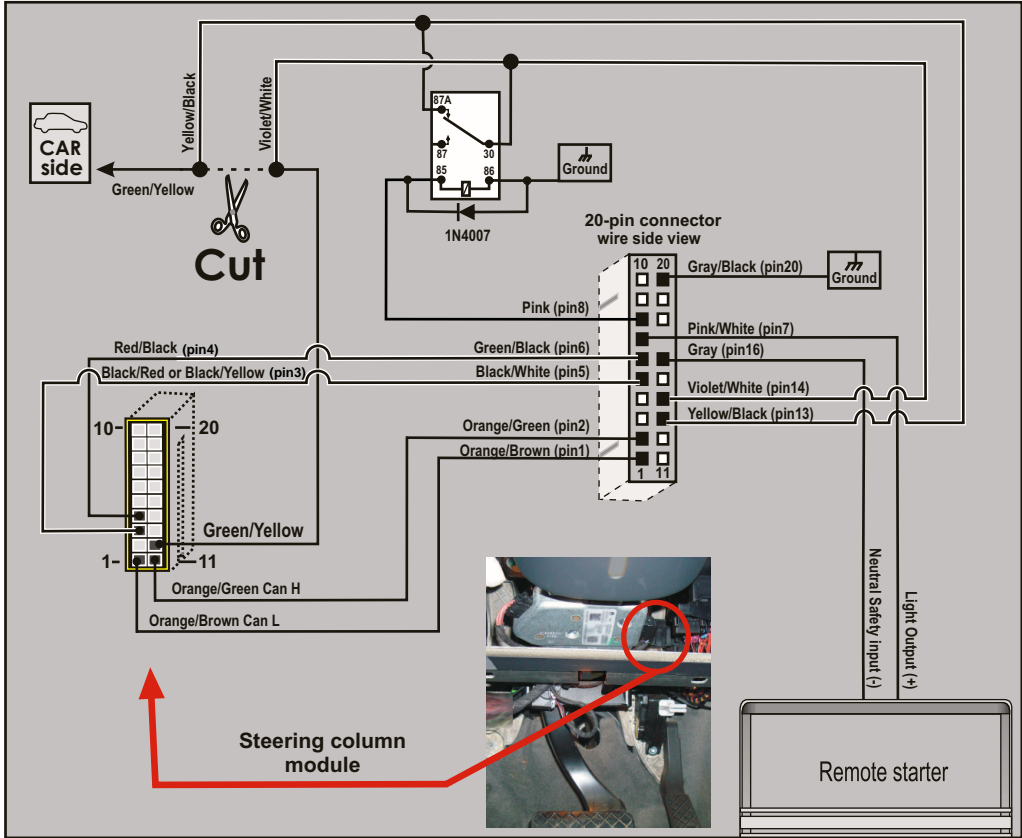
Green LED will turn ON 3 seconds and then turn OFF.

**Note:** If you don't install Remote Start skip step 7 & 8

### INSTALLATION TYPE A

Data Interface for 400.AUKI

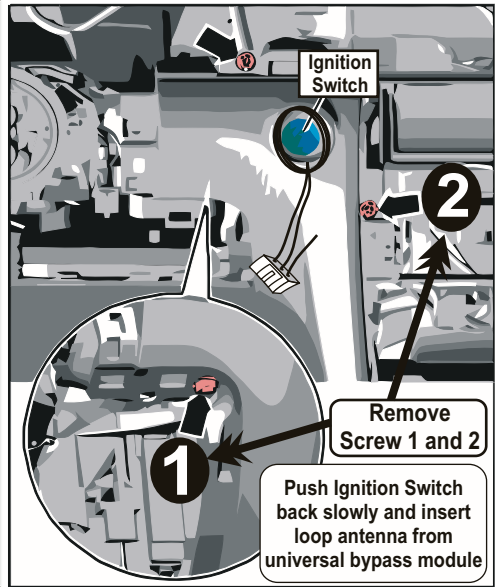
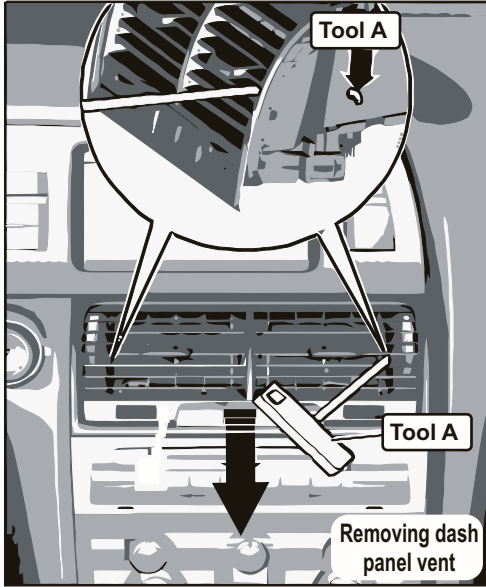
### Wiring Chart 20 PIN



### Vehicle color wire chart

CanMax 20 pins Connector	PIN #	Orange/Brown - CanL - (pin 1)	Orange/Green - CanH - (pin 2)	Green/Black Out 2(-) (pin 6)	Black/White Out 1(-) (pin 5)	Pink - Out 1(+) (pin 8)	Yellow/Black ISO 2 (pin 13)	Violet/White ISO 1 (pin 14)
	Funcnt	Can L	Can H	Ignition	Ignition	Relay	Ignition	Ignition
Vehicles	Location	Steerin Column Plug (pin1)	Steerin Column Plug (pin 11)	Steerin Column Plug (pin 4)	Steerin Column Plug (pin3)	Relay	Steerin Column Plug pin 12(car side)	Steerin Column Plug pin12 (plug side)
Audi A6 (2005 - 2010)		Orange/Brown	Orange/Green	Red/Black	Black/Yellow		Green/Yellow	Green/Yellow
Audi Allroad (2007 - 2010)		Orange/Brown	Orange/Green	Red/Black	Black/Yellow		Green/Yellow	Green/Yellow
Audi S6 (2006 - 2010)		Orange/Brown	Orange/Green	Red/Black	Black/Yellow		Green/Yellow	Green/Yellow
Audi RS6 (2008 - 2010)		Orange/Brown	Orange/Green	Red/Black	Black/Yellow		Green/Yellow	Green/Yellow
Audi Q7 (2005 - 2010)		Orange/Brown	Orange/Green	Red/Black	Black/Red		Green/Yellow	Green/Yellow

### Mounting loop antenna (Audi Q7)



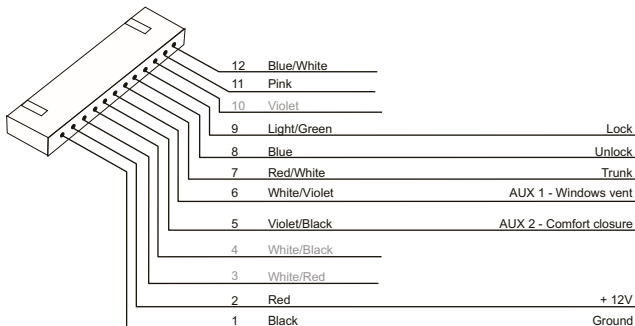
### WIRING INSTALLATION

Wiring for System without D2D (Data to Data) ONLY

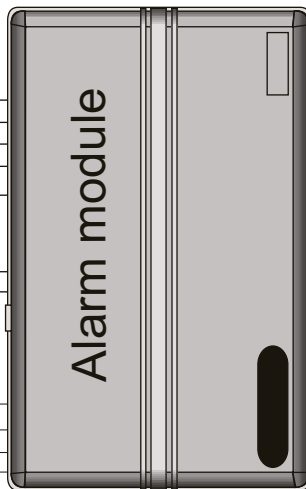
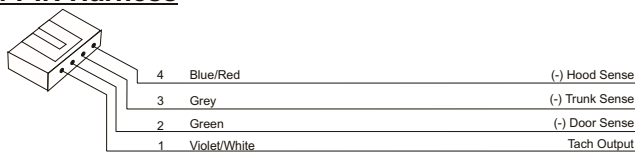
#### Note:

Remote Start is not possible in connection without D2D.

#### 12 PIN Harness



#### 4 PIN Harness



CANMAX400 - 12 PIN CONNECTOR - 400.AUKI / Without D2D

PIN #	Color	IN or OUT	Negative or Positive	Connect location	Functions and/or activation
1	Black	Input	Negative	Connect to the Ground wire of the remote starter.	Ground
2	Red	Input	Positive	Connect to the (+) 12 volts wire of the remote starter.	12 volts
5	Violet/Black	Input	Negative	Connect to the Comfort Closure - AUX2 of the remote starter. (If applicable)	AUX 2 - Comfort Closure
6	White/Violet	Input	Negative	Connect to the Windows Vent - AUX1 of the remote starter. (If applicable)	AUX 1 - Windows Vent
7	Red/White	Input	Negative	Connect to the Trunk (-) output wire of the remote starter.	Trunk
8	Blue	Input	Negative	Connect to the Unlock (-) output wire of the remote starter.	Unlock
9	Light Green	Input	Negative	Connect to the Lock (-) output wire of the remote starter.	Lock

CANMAX400 - 4 PIN CONNECTOR - 400.AUKI / Without D2D

PIN #	Color	IN or OUT	Negative or Positive	Connect location	Functions and/or activation
1	Violet/White	Output	Negative	Connect to the Tach Output of the remote starter.	Tach Output
2	Green	Output	Negative	Connect to the Door sense of the remote starter.	Door Sense
3	Grey	Output	Negative	Connect to the Trunk sense of the remote starter.	Trunk Sense
4	Blue/Red	Output	Negative	Connect to the Hood sense of the remote starter.	Hood Sense



## Feature programming

### To enter feature programming routine

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



### Accessing another feature

- Press and release the IPB 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 one time to indicate the current option of the current feature. It repeats until next action happens.

### Changing feature options

- Press the lock or unlock button on OEM 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.

**When the maximum number of feature or option is reached, the will LED 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 with saving changes

- Turn ignition ON until the Orange LED will turn ON for 2 seconds to indicate correct exit with saving changes.
- Press and HOLD the IPB for 3 seconds. After 3 seconds, the Orange LED will turn ON for 2 seconds to indicate correct exit with saving changes.

### Exiting feature programming without saving changes

- No activity for 30 seconds; after 30 seconds, the Red LED will turn ON for 2 seconds to indicate exit without saving changes.

## Reset Module

- Disconnect the module from any power source (undock the module from the system).
- Press and HOLD the integrated programming button (IPB).
- While holding integrated programming button, connect the module to the power source (dock it again)
- Wait until the orange LED turns ON (should be 3 seconds)
- Release the integrated programming button (IPB).

## Features and Options List

Features	Operation	Option
1	Unlock Driver Priority	<b>OFF*</b>
		ON
2	Comfort Closure with lock	OFF
		<b>ON*</b>
3	Key in arm defeat	<b>OFF*</b>
		ON
4	Aux 1	No Function
		<b>Comfort Closure*</b>
		Windows Vent
5	Aux 2	No Function
		Comfort Closure
		<b>Windows Vent*</b>

\* default options



### Important

- DIESEL TIMER feature from Remote Starter should be set to WAIT-TO-START INPUT.