> ⚠️ **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

The NISS1HT firmware for DBALL2 is an all-in-one door lock and override module compatible with specific Chevrolet, Infiniti, Nissan and Suzuki vehicles.

⚠️ This module can only be flashed and configured using XpressVIP at www.directechs.com or using the Directechs Mobile application for smartphones. Refer to the Module Programming section on page 11 for more information.

Note: NISS1HT is compatible with all key type Nissan and Infiniti vehicles (it does NOT cover knob or Push-to-Start (PTS) vehicles). See NISS2HT for knob or NISS3HT and NISS4HT for PTS.

🚦 **Important:**

This guide is compatible with the NISS1HT firmware **version 3.23 and higher**.

Index

Platform: DBALL2
Firmware: NISS1HT

XPRESS**KIT**

Rev.: 20170125

Vehicle Application Guide

The table below lists the vehicles and features which are compatible with this product. Refer to the following pages for more information on installation wiring, programming and troubleshooting for these vehicles.
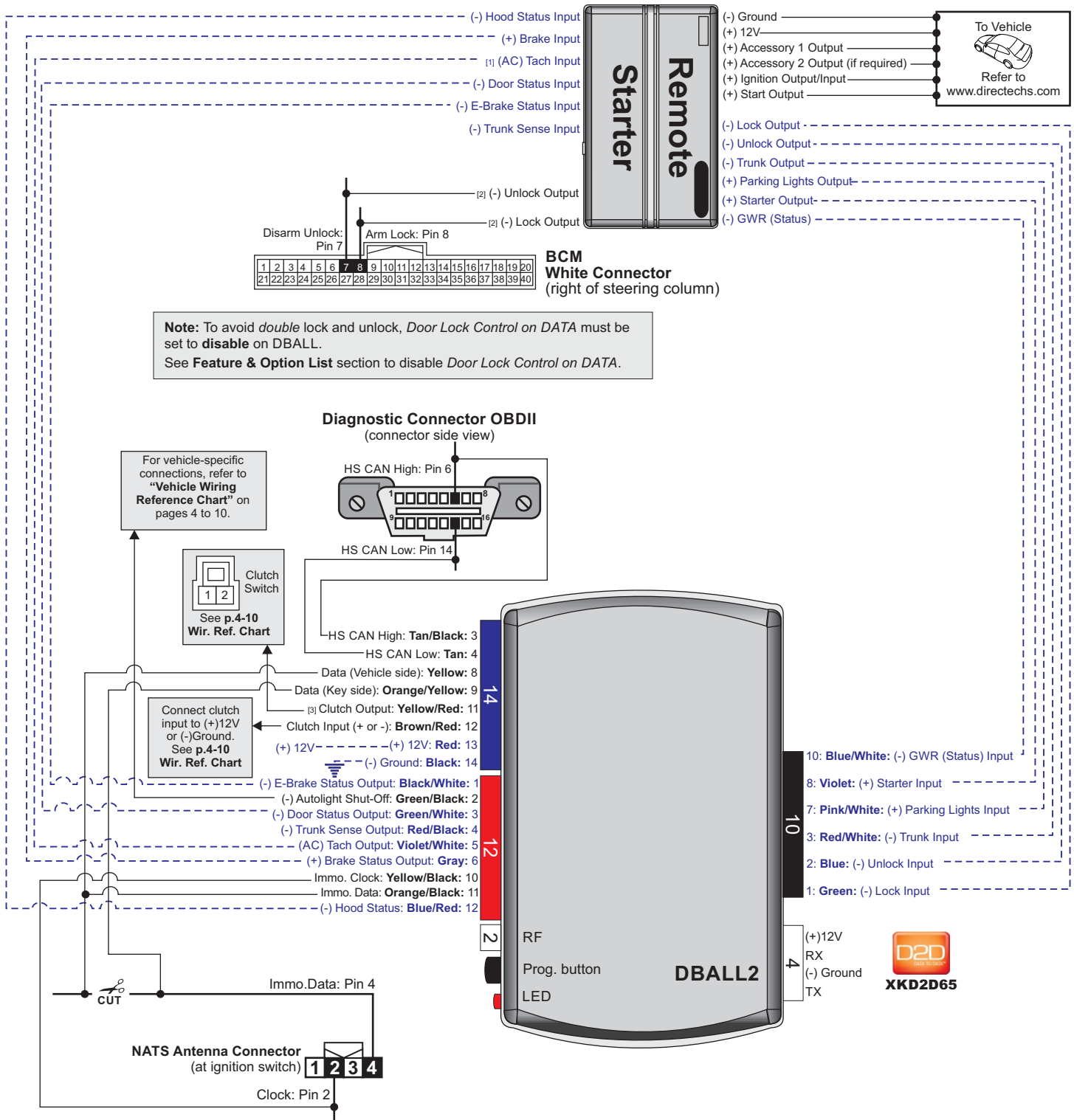
Vehicles	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	PK-Immobilizer Bypass-Data No Key Req'd	AV-Parking Lights Control	DL-Door Lock Control	DL-Door Unlock	DL-Driver Priority Unlock	DL-Trunk / Hatch Release	FOB-Control of aftermarket alarm with OEM remote	RS-RAP Shut Down (Retained ACC Power)	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-E-Brake Status	ST-Ignition Status
Chevrolet																													
City Express		•												•	•	•	•	•		D	•	•	•	D	•		•	•	•
Infiniti																													
FX35									•	•	•	•		•	•	•	•	•	•	D	•	•	•	D	•	•	•	•	D
FX45									•	•	•	•		•	•	•	•	•	•	D	•	•	•	D	•	•	•	•	D
G35									•	•				•	•	•	•	•	•	D	•	•	•	D	•	•	•	•	D
G35 Coupe									•	•	•	•		•	•	•	•	•	•	D	•	•	•	D	•	•	•	•	D
QX56								•	•	•	•	•		•	•	•	•	•	•	D	•	•	•	D	•	•	•	•	D
Nissan																													
350Z								•	•	•	•			•	•	•	•	•		D	•	•	•	D	•	•	•	•	D
Altima									•	•				•	•	•	•	•		D	•	•	•	D	•	•	•	•	D
Armada		•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	D	•	•	•	D	•	•	•	•	•
Cube			•	•	•	•	•	•						•	•	•	•	•		D	•	•	•	D	•	•	•	•	•
Frontier	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•		D	•	•	•	D	•		•	•	•
JUKE			•	•	•	•								•	•	•	•	•		D	•	•	•	D	•	•	•	•	•
Maxima						•	•	•	•	•	•			•	•	•	•	•	•		•	•	•	D	•	•	•	•	•
Micra	•	•												•	•	•	•	•		D	•	•	•	D	•	•	•	•	•
NV	•	•	•	•	•									•	•	•	•			D	•	•	•	D	•	•	•	•	D
NV200	•	•	•	•										•	•	•	•	•		D	•	•	•	D	•		•	•	•
Pathfinder				•	•	•	•	•	•	•	•			•	•	•	•	•		D	•	•	•	D	•	•	•	•	•
Quest								•	•	•	•	•	•	•	•	•	•			D	•	•	•	D	•	•	•	•	D
Rogue			•	•	•	•	•	•						•	•	•	•	•	•	D	•	•	•	D	•	•	•	•	•
Rogue Select		•	•											•	•	•	•	•	•	D	•	•	•	D	•	•	•	•	•
Sentra	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•		D	•	•	•	D	•		•	•	•
Titan		•	•	•	•	•	•	•	•	•	•			•	•	•	•	•			•	•	•					•	D
Versa	•	•	•	•	•	•	•							•	•	•	•	•		D	•	•	•	D	•	•	•	•	•
Versa Note	•	•	•											•	•	•	•	•		D	•	•	•	D	•	•	•	•	•
Xterra		•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•		D	•	•	•	D	•	•	•	•	D
X-Trail										•	•	•		•	•	•	•	•		D	•	•	•	D	•	•	•	•	D
Suzuki																													
Equator					•	•	•							•	•	•	•			D	•	•	•	D	•		•	•	D

Legend:

AV: Horn & Lights Controls

DL: OE Door Lock & Alarm Controls

FOB: Sync CAN Interface w/ FOB Remote

PK: Transponder & Immobilizer Override

RS: Remote Start & Engine Controls

SS: Integrated Security & Monitoring

ST: Function/Feature Status

•: D2D & Wire-to-Wire (W2W)

W: Wire-to-Wire

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Wiring Diagram

(-) Hood Status Input
(+) Brake Input
[1] (AC) Tach Input
(-) Door Status Input
(-) E-Brake Status Input
(-) Trunk Sense Input

Remote Starter

(-) Ground
(+) 12V
(+) Accessory 1 Output
(+) Accessory 2 Output (if required)
(+) Ignition Output/Input
(+) Start Output

To Vehicle
Refer to
www.directechs.com

(-) Lock Output
(-) Unlock Output
(-) Trunk Output
(+) Parking Lights Output
(+) Starter Output
(-) GWR (Status)

[2] (-) Unlock Output
[2] (-) Lock Output

Disarm Unlock: Pin 7
Arm Lock: Pin 8

BCM
White Connector
(right of steering column)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

Note: To avoid *double* lock and unlock, *Door Lock Control on DATA* must be set to **disable** on DBALL.
See **Feature & Option List** section to disable *Door Lock Control on DATA*.

Diagnostic Connector OBDII
(connector side view)

HS CAN High: Pin 6

HS CAN Low: Pin 14

For vehicle-specific connections, refer to **"Vehicle Wiring Reference Chart"** on pages 4 to 10.

Clutch Switch
See **p.4-10 Wir. Ref. Chart**

HS CAN High: **Tan/Black:** 3
HS CAN Low: **Tan:** 4
Data (Vehicle side): **Yellow:** 8
Data (Key side): **Orange/Yellow:** 9
[3] Clutch Output: **Yellow/Red:** 11
Clutch Input (+ or -): **Brown/Red:** 12
(+) 12V: **Red:** 13
(-) Ground: **Black:** 14

Connect clutch input to (+)12V or (-)Ground. See **p.4-10 Wir. Ref. Chart**

(-) E-Brake Status Output: **Black/White:** 1
(-) Autolight Shut-Off: **Green/Black:** 2
(-) Door Status Output: **Green/White:** 3
(-) Trunk Sense Output: **Red/Black:** 4
(AC) Tach Output: **Violet/White:** 5
(+) Brake Status Output: **Gray:** 6
Immo. Clock: **Yellow/Black:** 10
Immo. Data: **Orange/Black:** 11
(-) Hood Status: **Blue/Red:** 12

10: **Blue/White:** (-) GWR (Status) Input
8: **Violet:** (+) Starter Input
7: **Pink/White:** (+) Parking Lights Input
3: **Red/White:** (-) Trunk Input
2: **Blue:** (-) Unlock Input
1: **Green:** (-) Lock Input

RF
Prog. button
LED

DBALL2

(+)12V
RX
(-) Ground
TX

D2D
XKD2D65

Immo.Data: Pin 4

CUT

NATS Antenna Connector
(at ignition switch) | 1 | 2 | 3 | 4 |

Clock: Pin 2

- - - - Not required in D2D mode.

[1] These wires are optional connections required on some remote starters, which do not support this signals in D2D.

[2] Only required on vehicles equipped with a factory alarm or if the door locks are not controlled through CAN.

⚠ Unless specified otherwise, all connectors are displayed from the wire side, with the exception of the OBDII diagnostic connector.

Vehicle Wiring Reference Chart

Wire Information				Connector Information		
Function	Color	Pin	Polarity	Location	Color	Pins
Chevrolet City Express 2015						
HS CAN High	Blue	6	Data	OBDII diagnostic connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII ciagnostic connector.	Black	16
Clock	Pink	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Lt.Green	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Red	3	(+)	Ignition switch.	White	6
Starter 1	White	2	(+)	Ignition switch.	White	6
(+)12V	Blue	3	(+)	Ignition switch.	White	6
Accessory	Yellow	6	(+)	Ignition switch.	White	6
Autolight Off	Violet	33	(-)	At BCM,above driver's kick (Autolights shutoff Type 2).	White	40
Arm	Pink	8	(-)	At BCM, above driver's kick.	White	40
Disarm	Black	7	(-)	At BCM, above driver's kick.	White	40
Clutch	Blue or Red	2	(+)	Clutch switch.	White	2
Infiniti FX35 2005-2008						
HS CAN High	Blue	6	Data	OBDII diagnostic connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII diagnostic connector.	Black	16
Clock	Green/Black	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Black	3	(+)	Ignition switch.	White	6
Starter 1	Blue	2	(+)	Ignition switch.	White	6
(+)12V	Blue/Red to Red	1	(+)	Ignition switch.	White	6
Accessory	White	5	(+)	Ignition switch.	White	6
Autolight Off	Green	33	(-)	At BCM, right of steering wheel. (Autolights shutoff Type 2).	White	40
Arm	*Empty*	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	*Empty*	7	(-)	At BCM, right of steering wheel.	White	40
Infiniti FX45 2005-2008						
HS CAN High	Blue	6	Data	OBDII diagnostic connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII diagnostic connector.	Black	16
Clock	Green/Black	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Black	1	(+)	Ignition switch.	White	6
Starter 1	Blue	2	(+)	Ignition switch.	White	6
Starter 2	Pink	4	(+)	Ignition switch.	White	6
(+)12V	Blue/Red to Red	1	(+)	Ignition switch.	White	6
Accessory	White	5	(+)	Ignition switch.	White	6
Autolight Off	Green	33	(-)	At BCM, right of steering wheel (Autolights shutoff Type 2).	White	40
Arm	*Empty*	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	*Empty*	7	(-)	At BCM, right of steering wheel.	White	40
Infiniti G35 2005-2006						
HS CAN High	Blue	6	Data	OBDII diagnostic connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII diagnostic connector.	Black	16
Clock	Green	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Black/Red	3	(+)	Ignition switch.	White	6
Starter 1	White/Red	2	(+)	Ignition switch.	White	6
Starter 2	White/Green	4	(+)	Ignition switch.	White	6
(+)12V	White/Blue	1	(+)	Ignition switch.	White	6
Accessory	White/Black	5	(+)	Ignition switch.	White	6
Autolight Off	Blue	33	(-)	At BCM, right of steering wheel (Autolights shutoff Type 2).	White	40
Arm	*Empty*	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	*Empty*	7	(-)	At BCM, right of steering wheel.	White	40
Clutch	Gray/Red	2	(+)	Clutch switch. Door Lock Type 2	Blue	2
Infiniti G35 Coupe 2005-2007						
HS CAN High	Blue	6	Data	OBDII diagnostic connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII diagnostic connector.	Black	16
Clock	Green	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Black/Red	3	(+)	Ignition switch.	White	6
Starter 1	White/Red	2	(+)	Ignition switch.	White	6
Starter 2	White/Green	4	(+)	Ignition switch.	White	6
(+)12V	White/Blue	1	(+)	Ignition switch.	White	6
Accessory	White/Black	5	(+)	Ignition switch.	White	6
Autolight Off	Blue	33	(-)	At BCM, above driver's kick (Autolights shutoff Type 2).	White	40
Arm	*Empty*	8	(-)	At BCM, above driver's kick.	White	40
Disarm	*Empty*	7	(-)	At BCM, above driver's kick.	White	40

Vehicle Wiring Reference Chart

Wire Information				Connector Information		
Function	Color	Pin	Polarity	Location	Color	Pins
Infiniti QX56 2005-2009						
HS CAN High	Blue	6	Data	OBDII diagnostic connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII diagnostic connector.	Black	16
Clock	Green	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Black/Red	1	(+)	Ignition switch.	White	6
Starter 1	Brown	2	(+)	Ignition switch.	White	6
Starter 2	Lt.Green	6	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	4	(+)	Ignition switch.	White	6
Autolight Off	Red/Yellow	33	(-)	At BCM, right of steering wheel (Autolights shutoff -Type 2).	White	40
Arm	*Empty*	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	Empty	7	(-)	At BCM, right of steering wheel.	White	40
Nissan 350Z 2006-2009						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Green/Black	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Black/Red	1	(+)	Ignition switch.	White	6
Starter 1	White/Red	2	(+)	Ignition switch.	White	6
Starter 2	White/Green	4	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	White/Black	5	(+)	Ignition switch.	White	6
Autolight Off				N/A		
Arm	*Empty*	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	*Empty*	7	(-)	At BCM, right of steering wheel.	White	40
Clutch	Gray/Red	2	(+)	Clutch switch.	Blue	2
Nissan Altima 2005-2006						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Pink	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Yellow/Black	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Black/Red	1	(+)	Ignition switch.	White	6
Starter 1	Black/Red	2	(+)	Ignition switch.	White	6
Starter 2	Black/Yellow	4	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	4	(+)	Ignition switch.	White	6
Autolight Off	Green/Yellow	33	(-)	At BCM, right of steering wheel (Autolights shutoff -Type 2).	White	40
Arm	*Empty*	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	*Empty*	7	(-)	At BCM, right of steering wheel.	White	40
Clutch	Green/Red	2	(-)	Clutch switch. Door Type 2.	Blue	2
Nissan Armada 2005-2013						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Green	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Black/Red	1	(+)	Ignition switch.	White	6
Starter 1	Brown	2	(+)	Ignition switch.	White	6
Starter 2	Lt.Green	6	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	4	(+)	Ignition switch.	White	6
Autolight Off	Red/Yellow	33	(-)	At BCM.	Black	15
Arm	*Empty*	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	*Empty*	7	(-)	At BCM, right of steering wheel.	White	40
Nissan Cube 2009-2013						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Pink/Blue	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Lt.Green	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	White/Red	1	(+)	Ignition switch.	White	6
Starter	White	2	(+)	Ignition switch.	White	6
(+)12V	Blue	3	(+)	Ignition switch.	White	6
Accessory	Yellow/Black	4	(+)	Ignition switch.	White	6
Autolight Off				N/A		
Arm	White/Black	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	White/Red	7	(-)	At BCM, right of steering wheel.	White	40
Clutch	Brown	4	(-)	Clutch switch. Door Type 2.	White	4

Vehicle Wiring Reference Chart

Wire Information				Connector Information		
Function	Color	Pin	Polarity	Location	Color	Pins
Nissan Frontier 2005-2016						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Gray	2	Data	Located at N.A.T.S anterna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anterna connector.	White	4
Ignition	White/Green	1	(+)	Ignition switch.	White	6
Starter 1	Gray	2	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	4	(+)	Ignition switch.	White	6
Autolight Off	Gray	33	(-)	At BCM, right of steering wheel (Autolight shutoff Type 2).	White	40
Arm	Lt.Blue	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	Gray	7	(-)	At BCM, right of steering wheel.	White	40
Clutch	Red or Blue	2	(+)	Clutch switch. Door lock type 2.	Blue	2
Nissan JUKE 2011-2014						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Pink	2	Data	Located at N.A.T.S anterna connector.	White	4
Data	Lt.Green	4	Data	Located at N.A.T.S anterna connector.	White	4
Ignition	Red	1	(+)	Ignition switch.	White	6
Starter	White	2	(+)	Ignition switch.	White	6
(+)12V	Blue	3	(+)	Ignition switch.	White	6
Accessory	Yellow	4	(+)	Ignition switch.	White	6
Autolight Off				N/A		
Arm	Red	8	(-)	At BCM, behind glove box.	White	40
Disarm	Blue	7	(-)	At BCM, behind glove box.	White	40
Clutch	Brown	4	(+)	Clutch switch. Door lock type 2.	White	4
Nissan Maxima 2005-2008						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Green/Black	2	Data	Located at N.A.T.S anterna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anterna connector.	White	4
Ignition	Black/Red	1	(+)	Ignition switch.	White	6
Starter 1	Black/Red	2	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	4	(+)	Ignition switch.	White	6
Autolight Off	Green/Yellow	33	(-)	At BCM, right of steering wheel (Autolight shutoff Type 1).	White	40
Arm	*Empty*	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	*Empty*	7	(-)	At BCM, right of steering wheel.	White	40
Clutch	Green/Red	1	(+)	Clutch switch. Door lock type 2.	Blue	2
Nissan Maxima 2004						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Yellow or Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Gray	2	Data	Located at N.A.T.S anterna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anterna connector.	White	4
Ignition	Black/Red	1	(+)	Ignition switch.	White	6
Starter 1	Black/Red	2	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	4	(+)	Ignition switch.	White	6
Autolight Off	Green/Yellow	33	(-)	At BCM, right of steering wheel (Autolight shutoff Type 1).	White	40
Arm	*Empty*	8	(-)	At BCM, behind glove box.	White	40
Disarm	*Empty*	7	(-)	At BCM, behind glove box.	White	40
Clutch	Green/Red	1	(+)	Clutch switch.	Blue	2

Vehicle Wiring Reference Chart

Function	Color	Pin	Polarity	Location	Color	Pins
Wire Information				**Connector Information**		
Nissan Micra 2015-2016						
HS CAN High	Blue	6	Data	OBDII diagnostic connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII diagnostic connector.	Black	16
Clock	Pink	2	Data	Located at N.A.T.S antenna connector.	White	4
Data	Lt.Green	4	Data	Located at N.A.T.S antenna connector.	White	4
Ignition	Gray	1	(+)	Ignition switch.	White	6
Starter 1	White	2	(+)	Ignition switch.	White	6
(+)12V	Pink	3	(+)	Ignition switch.	White	6
Accessory	Yellow	4	(+)	Ignition switch.	White	6
Autolight Off				N/A		
Arm	Gray	8	(-)	At BCM, above driver's kick.	White	40
Disarm	White	7	(-)	At BCM, above driver's kick.	White	40
Clutch	Lt.Green	2	(+)	Clutch switch. Door Lock type 1.	N/A	N/A
Nissan NV 2012-2016						
HS CAN High	Blue	6	Data	OBDII diagnostic connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII diagnostic connector.	Black	16
Clock	Green	2	Data	Located at N.A.T.S antenna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S antenna connector.	White	4
Ignition	Blue	1	(+)	Ignition switch.	White	6
Starter 1	Yellow	2	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	4	(+)	Ignition switch.	White	6
Autolight Off				N/A		
Arm	Lt.Blue	8	(-)	At BCM, behind glove box.	White	40
Disarm	Yellow	7	(-)	At BCM, behind glove box.	White	40
Nissan NV200 2013-2016						
HS CAN High	Blue	6	Data	OBDII diagnostic connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII diagnostic connector.	Black	16
Clock	Pink	2	Data	Located at N.A.T.S antenna connector.	White	4
Data	Lt.Green	4	Data	Located at N.A.T.S antenna connector.	White	4
Ignition	Red	1	(+)	Ignition switch.	White	6
Starter 1	White	2	(+)	Ignition switch.	White	6
(+)12V	Blue	3	(+)	Ignition switch.	White	6
Accessory	Yellow	4	(+)	Ignition switch.	White	6
Autolight Off				N/A		
Arm	Pink	8	(-)	At BCM, behind glove box.	White	40
Disarm	Black	7	(-)	At BCM, behind glove box.	White	40
Nissan Pathfinder 2005-2012						
HS CAN High	Blue	6	Data	OBDII diagnostic connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII diagnostic connector.	Black	16
Clock	Gray	2	Data	Located at N.A.T.S antenna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S antenna connector.	White	4
Ignition	White/Green	1	(+)	Ignition switch.	White	6
Starter 1	Gray	2	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	4	(+)	Ignition switch.	White	6
Autolight Off	Gray	33	(-)	At BCM, right of steering wheel (Autolight shutoff Type 1).	White	40
Arm	*Empty*	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	*Empty*	7	(-)	At BCM, right of steering wheel.	White	40
Nissan Quest 2004-2009						
HS CAN High	Blue	6	Data	OBDII diagnostic connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII diagnostic connector.	Black	16
Clock	Orange	2	Data	Located at N.A.T.S antenna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S antenna connector.	White	4
Ignition	Black/White	1	(+)	Ignition switch.	White	6
Starter 1	Black/Red	2	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	4	(+)	Ignition switch.	White	6
Autolight Off	Red/Yellow	33	(-)	At BCM, above driver kick panel (Autolight shutoff Type 1).	White	40
Arm	Empty	8	(-)	At BCM,above driver kick panel.	White	40
Disarm	Empty	7	(-)	At BCM, above driver kick panel.	White	40

Vehicle Wiring Reference Chart

Nissan Rogue 2008-2013						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Green/Black	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Pink	1	(+)	Ignition switch.	White	6
Starter 1	Red	2	(+)	Ignition switch.	White	6
(+)12V	Blue	3	(+)	Ignition switch.	White	6
Accessory	Pink	4	(+)	Ignition switch.	White	6
Autolight Off				*N/A*		
Arm	Red	8	(-)	At BCM, behind glove box (Type 1).	White	40
Disarm	Blue	7	(-)	At BCM, behind glove box.	White	40
Nissan Rogue Select 2014-2015						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Green	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Pink	1	(+)	Ignition switch.	White	6
Starter 1	Red	2	(+)	Ignition switch.	White	6
(+)12V	Blue	3	(+)	Ignition switch.	White	6
Accessory	Pink	4	(+)	Ignition switch.	White	6
Autolight Off				*N/A*		
Arm	Red	8	(-)	At BCM, behind glove box.	White	40
Disarm	Violet or Blue	7	(-)	At BCM, behind glove box.	White	40
Nissan Sentra 2007-2012						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Pink	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Orange	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Yellow	1	(+)	Ignition switch.	White	6
Starter 1	White	2	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	4	(+)	Ignition switch.	White	6
Autolight Off				*N/A*		
Arm	Brown	8	(-)	At driver kick, door harness.	White	40
Disarm	White	7	(-)	At driver kick, door harness.	White	40
Clutch	Brown	2	(+)	Clutch switch. Door Lock type 1.	Brown	2
Nissan Sentra 2013-2016						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Pink	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Lt.Green	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Red	1	(+)	Ignition switch.	White	6
Starter 1	Blue	2	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Pink	4	(+)	Ignition switch.	White	6
Autolight Off				*N/A*		
Arm	Violet	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	Blue	7	(-)	At BCM, right of steering wheel.	White	40
Clutch	Brown	2	(+)	Clutch switch. Door Lock type 1.	Brown	2

Vehicle Wiring Reference Chart

Wire Information				Connector Information		
Function	Color	Pin	Polarity	Location	Color	Pins
Nissan Titan 2005-2015						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Green	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Black/Red	1	(+)	Ignition switch.	White	6
Starter 1	Brown	2	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	4	(+)	Ignition switch.	White	6
Autolight Off	Red/Yellow	33	Data	At BCM, right of steering wheel (Autolights shutoff Type 2).	White	40
Arm	*Empty*	8	(-)	At BCM,behind glove box.	White	40
Disarm	*Empty*	7	(-)	At BCM,behind glove box.	White	40
Nissan Versa 2007-2011						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Pink	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Lt.Green	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Red	1	(+)	Ignition switch.	White	6
Starter 1	White	2	(+)	Ignition switch.	White	6
(+)12V	Blue	3	(+)	Ignition switch.	White	6
Accessory	Yellow	4	(+)	Ignition switch.	White	6
Autolight Off				*N/A*		
Arm	Yellow	8	(-)	At BCM, behind glove box.	White	40
Disarm	Brown	7	(-)	At BCM, behind glove box.	White	40
Clutch	Brown	2	(+)	Clutch switch. Door Lock Type 1.	Brown	2
Nissan Versa 2012-2016						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Pink	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Lt.Green	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Gray	1	(+)	Ignition switch.	White	6
Starter 1	White	2	(+)	Ignition switch.	White	6
(+)12V	Pink	3	(+)	Ignition switch.	White	6
Accessory	Yellow	4	(+)	Ignition switch.	White	6
Autolight Off				*N/A*		
Arm	Gray	8	(-)	At BCM, behind glove box.	White	40
Disarm	White	7	(-)	At BCM, behind glove box.	White	40
Clutch Type Option	Lt.Green	2	(+)	Clutch switch. Door Lock Type 1.	Brown	2
Nissan Versa Note 2014-2016						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Pink	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Lt.Green	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Gray	1	(+)	Ignition switch.	White	6
Starter 1	White	2	(+)	Ignition switch.	White	6
(+)12V	Pink	3	(+)	Ignition switch.	White	6
Accessory	Yellow	4	(+)	Ignition switch.	White	6
Autolight Off				*N/A*		
Arm	Gray	8	(-)	At BCM, above driver kick.	White	40
Disarm	White	7	(-)	At BCM, above driver kick.	White	40
Clutch	Lt.Green	2	(+)	Clutch switch. Door Lock Type 1.	Brown	2
Nissan Xterra 2005-2015						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Gray	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	White/Green	1	(+)	Ignition switch.	White	6
Starter 1	Gray	2	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	4	(+)	Ignition switch.	White	6
Autolight Off				*N/A*		
Arm	Lt.Blue	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	Gray	7	(-)	At BCM, right of steering wheel.	White	40
Clutch	Red or Blue	2	(+)	Clutch switch. Door Lock Type 2.	Blue	2

Vehicle Wiring Reference Chart

Wire Information				Connector Information		
Function	Color	Pin	Polarity	Location	Color	Pins
Nissan X-Trail 2005-2007						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Red	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Orange	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	Black/Red	1	(+)	Ignition switch.	White	6
Starter 1	White/Red	2	(+)	Ignition switch.	White	6
(+)12V	Green/White	3	(+)	Ignition switch.	White	6
Accessory	White	4	(+)	Ignition switch.	White	6
Autolight Off				*N/A*		
Arm	Lt.Blue	8	(-)	At keyless module above driver kick panel.	White	40
Disarm	Gray	7	(-)	At keyless module above driver kick panel.	White	40
Suzuki Equator 2009-2011						
HS CAN High	Blue	6	Data	OBDII Diagnostic Connector.	Black	16
HS CAN Low	Pink	14	Data	OBDII Diagnostic Connector.	Black	16
Clock	Gray	2	Data	Located at N.A.T.S anternna connector.	White	4
Data	Brown	4	Data	Located at N.A.T.S anternna connector.	White	4
Ignition	White/Green	1	(+)	Ignition switch.	White	6
Starter	Gray	2	(+)	Ignition switch.	White	6
(+)12V	Green	3	(+)	Ignition switch.	White	6
Accessory	Red	5	(+)	Ignition switch.	White	6
Autolight Off				*N/A*		
Arm	Lt.Blue	8	(-)	At BCM, right of steering wheel.	White	40
Disarm	Gray	7	(-)	At BCM, right of steering wheel.	White	40

Vehicle Connection Types

See the Vehicle Wiring Reference Chart on pages 4-10.

Autolight Shutoff

TYPE 1

Relay Pin 30
Relay Pin 87a
Cut

Autolight wire at the vehicle. See the **Wiring Reference Chart**.

87   85
87a
86   30
(+) 12V

Pin 2 of 12-pin conn: Green/Black

The Autolight wire will show:
▪ **Ground:** when the switch is at AUTO.
▪ **Open circuit:** when the switch is at any other position.

TYPE 2

Wire Side View of BCM

| 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| 40 | 39 | 38 | 37 | 36 | 35 | 34 | **33** | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 |

Pin 2 of 12-pin conn: Green/Black

Autolight wire at the vehicle. See the **Wiring Reference Chart**.

The Autolight wire will show Ground when the switch is at any position other than AUTO.

Door Lock Type 1

Nissan Micra 2015-2016
Nissan Quest 2005-2009
Nissan Sentra 2007-2012
Nissan Sentra 2013-2016
Nissan Titan 2005-2015
Nissan Versa 2007-2011
Nissan Versa 2012-2016
Nissan Versa Note 2014-2016
Nissan X-Trail 2007-2010

Door Lock Type 2

Chevrolet City Express 2015
Infiniti FX35 2005-2008
Infiniti FX45 2005-2008
Infiniti G35 2005-2006
Infiniti G35 Coupe 2005-2007
Infiniti QX56 2005-2008
Nissan Altima 2005-2006
Nissan Armada 2005-2015
Nissan Cube 2009-2014
Nissan Frontier 2005-2014
Nissan Frontier 2015-2016

Nissan JUKE 2010-2014
Nissan Maxima 2005-2008
Nissan NV 2012-2016
Nissan NV200 2013-2016
Nissan Pathfinder 2005-2012
Nissan Rogue 2008-2013
Nissan Rogue Select 2014-2015
Nissan Xterra 2005-2015
Suzuki Equator 2009-2011

Module Programming

⚠️ Refer to the LED Diagnostics section on pages 15-16 for more information and for troubleshooting purposes.

Important

Make all the required connections to the vehicle, as described in the wiring diagram(s) found in this guide, and double check to ensure everything is correct prior to moving onto the next step.

⚠️ **Warning!** To take advantage of advanced features, you must use XpressVIP 4.5 (and higher) or the Directechs Mobile app.

Flashing a module using your computer:

1. Connect the interface module to your computer using the XKLoader2.
2. Go to www.directechs.com using Internet Explorer, and select the **Flash Module** button.
3. Follow the instructions to select your vehicle, installation type, and configure your options.
4. Once you have configured the firmware options, click on the **FLASH** button.

Flashing a module using your smartphone or tablet

1. Connect the interface module to your XKLoader3.
2. Launch the Directechs Mobile app on your smartphone or tablet.
3. Select **FLASH YOUR MODULE** and follow the on screen instructions.

When the flashing operation is successful, you can proceed with the programming instructions below.

D2D Installation

If required for your installation, connect the 10-pin, 12-pin and 14-pin harnesses to the module, then connect the 4-pin D2D harness.

OR
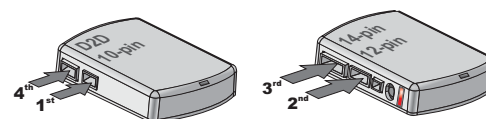
W2W Installation

If required for your installation, connect the 10-pin and 12-pin harnesses to the module, then connect the 14-pin harness to the module.

---
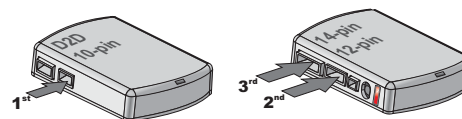
1 Wait until the LED turns ON solid red.

Note: To skip the transponder programming and use convenience features only, press the programming button 5 times.

Solid

---

2 **Insert** and **turn** the key to the ignition position. The LED flashes orange.

Key IN — Key at IGN **&** Flashes

---

3 **Turn** the key to the OFF position, then back to the ignition position. The LED turns ON solid green for 3 seconds, then shuts off.

Key IN **&** Key IN **&** Solid x3 secs **&** Off

---

4 **Turn** the key to the OFF position and remove it from the ignition barrel.

Key OUT
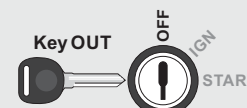
You have successfully completed the module programming sequence.

Module Reset

A module reset will only erase programming performed in the previous steps. All settings (firmware) and settings flashed to the module using the web config tool will not be affected.

1

D2D Installation

If required for your installation, connect the 10-pin, 12-pin & 14-pin harnesses to the module. Press and hold the programming button, then connect the 4-pin D2D harness.

OR

W2W Installation

If required for your installation, connect the 10-pin & 12-pin harnesses to the module. Press and hold the programming button, then connect the 14-pin harness to the module.

2
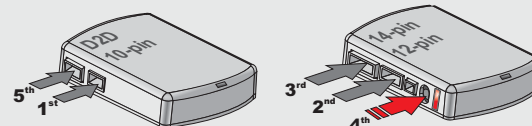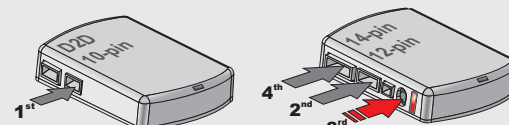
Wait 3 seconds until the LED turns ON solid orange then release the programming button. The LED then turns ON solid red.

Solid   Release   Solid

Hard Reset

Warning Against Executing a Hard Reset!
A hard reset will revert the flashed firmware back to its default settings. Depending on the installation, some settings (such as RFTD and D2D options) may have to be reconfigured. See the **Feature & Option List** section of this guide.

1

D2D Installation

If required for your installation, connect the 10-pin, 12-pin & 14-pin harnesses to the module. Press and hold the programming button, then connect the 4-pin D2D harness.

OR

W2W Installation

If required for your installation, connect the 10-pin & 12-pin harnesses to the module. Press and hold the programming button, then connect the 14-pin harness to the module.

2
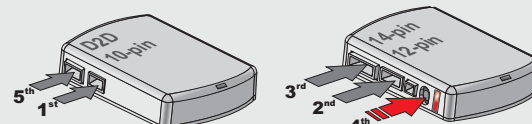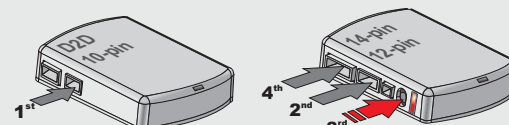
Wait 3 seconds until the LED turns ON solid orange, and wait 10 more seconds until the LED starts to flash orange and red.

Solid   Flashes

3

Release the programming button. The LED turns ON solid red.

Release   Solid

Feature and Option List

It is recommended to configure all the features and options listed below using the configuration tool found on the module flashing page on www.directechs.com. The web offers more options; however, manual configuration of the features is possible using the information on this page.

* Default

Feat.	Operation	Flashes / Option	Description
1	RFTD Output Type	**1. No RF Output***	Module is connected to a remote starter using a standard installation.
		2. RFTD Output	Module is connected to an XL202 using an RSR or RXT installation (when available).
		3. SmartStart	Module is connected to SmartStart using an RSR or RXT installation (when available).
2	Unlock Driver Priority	**1. Driver priority***	Unlocks only the driver door when the button is first pressed, and unlocks all doors when it is pressed a second time within 5 seconds.
		2. All	Unlocks all doors when the button is first pressed.
3	Smart OEM Alarm Control	1. Disabled	The OEM alarm will not be controlled by DBALL upon remote start. No disarm or arm command will be executed at the beginning or end of the sequence; it must be controlled by the Remote Starter.
		2. Safelock	Smart OEM Alarm Control will behave like a standard Safelock feature on a remote starter. It will unlock at the beginning of the sequence, and relock after start and shutdown.
		3. Enabled*	Smart OEM Alarm Control will synchronize with the OEM alarm so that it will disarm and rearm the vehicle in the remote start sequence, only when required. The reason for this is, factory alarm control must often be done by lock or unlock operation. This could create unnecessary actions on door lock modules, such as the horn to honk. When possible, Smart OEM Alarm Control will monitor the alarm and door lock status to detect if the disarm or rearm is required. If the vehicle is unlocked or is not equipped with factory alarm, the disarm/rearm will not be executed. Smart OEM Alarm Control will also monitor the remote starter actions so that the factory alarm control is not done twice. A remote starter, for which the Safelock feature is active, will work perfectly with this option and will make it invisible to the user.
4	Parking Light Control On Data	1. Disabled	The remote starter parking lights wire must be connected in the vehicle.
		2. Enabled*	The parking lights will be controlled by CAN wires.
5	Door Lock Control On Data	1. Disabled	Disable the control of the door locks via CAN.
		2. Enabled - Type1 (EU)	Enable the control of the door locks via CAN - Type 1 messages.
		3. Enabled - Type2 (US)*	Enable the control of the door locks via CAN - Type 2 messages.

Feature 5: *Door Lock Control on Data*
See VAG on page 2 to determine the correct *door lock type* for your vehicle. When set to OFF, the remote starter door lock wires must be connected in the vehicle.

DIRECTED.

Feature Programming

Programming
Button

To enter feature programming routine
- Turn the ignition ON, then OFF.
- **Within 5 seconds**, press and HOLD the programming button until the LED turns ON orange (after 3 seconds). Release the Programming button.
- The LED will flash green once slowly to indicate the feature number is 1. After a short delay, the LED flashes red rapidly to indicate the current option of feature 1 (i.e. 1x green followed by 1x red indicates feature 1 is set to option 1). The flashing sequence will repeat until a new command is entered.

Changing feature options
- Press the lock/arm or unlock/disarm button on aftermarket transmitter to change the option of the selected feature.
- The LED flashes red rapidly the number of times equal to the current option number. After a short delay, the LED flashes green slowly the number of times to indicate the current feature. The flashing sequence will repeat until a new command is entered.

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 LED flashes green slowly the number of times equal to the feature number. After a short delay, the LED flashes red rapidly to indicate the current option of the current feature. The flashing sequence will repeat until a new command is entered.

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

Once a feature is programmed
- Other features can be programmed.
- The feature programming can be exited.

Exiting feature programming
- No activity for 30 seconds; after 30 seconds, the LED will turn ON orange for 2 seconds to confirm the end of the programming sequence.
  OR
- Press and HOLD the programming button for 3 seconds. After 3 seconds, the LED will turn ON orange for 2 seconds to confirm the end of the programming sequence.

LED Diagnostics and Troubleshooting

LED	Description	Troubleshooting
Module Programming		
Off	Module has no power.	Make sure the D2D harness is connected or that the 12 Volt is present between the red and black wires. If the 12 Volt is present, the module may be defective.
Solid red	Waiting to begin the programming sequence.	Ensure the correct programming procedure is being followed.
Flashes red & green	Initialization failed.	Reset the module and complete the programming again. If the issue persists, please contact Technical Support.
Solid orange	Module was successfully programmed.	Normal operation.
Flashes green	Transponder functions were skipped.	(If compatible) when RXT mode is not desired or convenience features are needed, please reset and reprogram the module.
Flashes orange	All required CAN networks have been detected.	Normal operation.
Flashes orange slowly	1 of 2 CAN networks have been detected.	Normal operation
Solid green x 3 secs	Key2GO initiated.	Please follow the steps indicated in "Module programming" to complete the Key2GO programming.
Solid orange x 3 secs	Module was successfully programmed with all functions.	Normal operation.
Module Programming - Error Codes		
Flashes red x 1	CAN2 not detected.	Check the CAN2 Orange/Green and Orange/Brown wire connections. Wake up the data bus by turning the ignition on and try again. If your installation does not require this connection, skip this step by pressing the programming button 5 times.
Flashes red x 1	J1850 not detected.	Check the J1850 wire connection. Wake up the data bus by turning the ignition on and try again.
Flashes red x 2	CAN1 not detected.	Check the CAN1 Tan and Tan/Black wire connections. Wake up the data bus by turning the ignition on and try again. If your installation does not require this connection, skip this step by pressing the programming button 5 times.
Flashes red x 3	Bypass data not detected.	Check the bypass line connection. If more than one wire is used, make sure they are not inverted. Ensure the vehicle still operates correctly using the factory key.
Flashes red x 4	Bypass processing error.	The bypass calculation failed. Reset the module and try again. If the condition persists, please contact Technical Support.
Flashes red x 5	ISO 1 not detected.	The Yellow/Black wire did not detect the expected signal. Refer to "Installation (wiring diagrams & vehicle wiring reference charts)" to check the connections.
Flashes red x 6	ISO 2 not detected.	The Orange/Black wire did not detect the expected signal. Refer to "Installation (wiring diagrams & vehicle wiring reference charts)" to check the connections.
Flashes red x 7	MUX not detected.	The Violet/Green or Violet/Brown wire did not detect the expected voltage value. Refer to "Installation (wiring diagrams & vehicle wiring reference charts)" to check the connections.

LED Diagnostics and Troubleshooting

LED	Description	Troubleshooting
External module synchronization		
(Flashes red, red then orange) x 10	OBDII feature is not supported.	The diagnostic data bus was not detected, therefore the SmartStart features will be limited.
Activation Ground When Running (Status)		
Flashes green	Ground When Running (Status) command received.	The module has initialized the remote start sequence.
Flashes red & orange	Ignition ON command received.	The module has received the Ignition ON command and is processing the remote start sequence.
Flashes green quickly	Start ON command received.	The module has received the Start ON command and is processing the remote start sequence.
Flashes red x 10	PTS shutdown error.	The PTS output from the module was not activated due to safety protection.
Flashes red x 21	CAN bus incorrectly detected.	Verify the CAN1 and CAN2 connections. Refer to "Installation (wiring diagrams & vehicle wiring reference charts)" to check the connections.
Commands		
Flashes orange x 1	LOCK command received.	If the bypass module fails to flash, it did not receive the signal. Commands can come from RF or D2D.
Flashes orange x 2	UNLOCK command received.	
Flashes orange x 3	TRUNK command received.	
Flashes orange x 4	AUX1 command received.	
Flashes orange x 5	AUX2 command received.	
Flashes orange x 6	AUX3 command received.	
Shutdown codes		
Flashes green x 1	Takeover successful.	Normal operation.
Flashes red x 1	Runsafe was not disabled.	No UNLOCK command was received prior to opening the door, or the 45 second timer expired in takeover mode.
Flashes red x 2	Brake was not detected.	The brakes were not detected, which prevents the system from shutting down the vehicle.
Flashes red x 3	Smart key was not detected.	The smart key was not detected, which prevents the system from shutting down the vehicle.
Flashes red x 4	Speed was detected.	The vehicle was detected as moving, which prevents the system from shutting it down.

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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, EXCEPT AS STATED ABOVE, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NONINFRINGEMENT 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. DIRECTED IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE, OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CONTENTS, AND DIRECTED HEREBY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT, DAMAGE, OR VANDALISM. 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.

This warranty only covers Parts sold within the United States of America and Canada. Parts sold outside of the United States of America or Canada are sold "AS-IS" and shall have NO WARRANTY, express or implied. 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. For further details relating to warranty information of Directed products, please visit the support section of DIRECTED's website at: www.directed.com
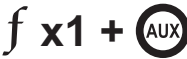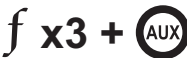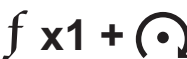
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This Interface kit / Data Bus Interface part has been tested on the listed vehicles. Other vehicles will be added to the select vehicle list upon completion of compatibility testing. Visit website for latest vehicle application guide. DISCLAIMER: Under 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.

List of Available Commands

Note that the information below is for Viper, Clifford and Python models. Icons and commands may differ depending on the remote brand and model purchased. Refer to your authorized installation center for more information.

Button(s)	Actions
🔒	Press & hold for 1 second to lock.
🔓	Press & hold for 1 second to unlock.
⟳	Press & hold for 1 second to remote start.
AUX	Press & hold for 5 seconds to activate the trunk release (optional).
ƒ x1 + AUX	Press ƒ once, then AUX to activate the rear hatch/tail glass release (optional).*
ƒ x3 + AUX	Press ƒ 3 times, then AUX to activate the panic mode.
ƒ x1 + ⟳	Press ƒ once, then ⟳ to reset the remote starter runtime.

* This output is configurable. see your authorized installation center for more information.

Notes

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