

VIPER[®]

**NO ONE DARES
COME CLOSE[®]**



OWNER'S GUIDE

**MODEL
3105V**



Congratulations

Congratulations on the purchase of your state-of-the-art security system. Reading this Owner's Guide prior to using your system will help maximize the use of your system and its many features. For more information, please visit us online (see back cover for URL).

For any additional questions, please contact your authorized Directed dealer or contact Directed at **1-800-753-0600**. (U.S. only)

Additional Guide Information

Only basic commands, features and essential information are covered in this compact guide. Your product has many advanced features which are not discussed here, please consult the expanded online version of these at: **www.viper.com**.

Most sections in this guide also contain additional information which can be found in the expanded online version.

Important information

Government Regulations and Safety information



Read the *Government Regulations* and *Warning! Safety* First sections of this manual prior to operating this system.

Your Warranty

Your system comes with a warranty. The warranty terms are detailed at the end of this guide. Make sure that you receive the proof of purchase from your dealer, indicating the product was installed by an authorized Directed dealer.

System maintenance

This system needs no specific maintenance beyond remote control battery replacement. The 1-way remote is powered by two 3V, CR2016 batteries.

Battery disposal

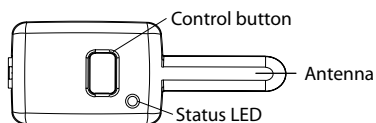


Directed cares about the environment. If you need to dispose of the battery, please do so in accordance with your municipal requirements for battery disposal or return to Directed.

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Control Center










The Control Center, typically located on the upper part of the front windshield. It consists of:

- The In-vehicle system antenna.
- The Status LED, as a visual indicator of the system's status.
- The Control button, for placing the system into Valet Mode* and to perform the Emergency Override* operation.

* See Valet Mode and Disarming without a Transmitter in the "Using your System" section of the online guide.



Remote control command table

Feature	Description
	Lock the doors and arm the vehicle
	Unlock the doors and disarm the vehicle
AUX	Activate Silent Mode and Auxiliary functions
 *	Panic
 and 	Press together to control an Auxiliary output

* On some remote controls, the * Icon may exist instead of the  icon. This guide uses the  icon throughout, but the functionality is the same regardless of which one of these icons is used by your system.

Three-button remote configuration

This system may be used with an optional 3-button remote, which is available for purchase through your authorized Directed dealer. The table below describes the basic 3-button functions.

Button	Command
 and 	Lock and unlock the doors, arm and disarm the vehicle
AUX	Activate Silent Mode and Auxiliary functions
*	Panic


Remote control functions

The remote control buttons are used to send commands to the system. The descriptions below reflect the standard configuration for this system. The buttons can be custom configured for the user's specific needs by the installer.

Arm

Press and release  . Doors lock and system is armed.

Disarm

Press and release  The doors unlock and system is disarmed.


AUX

Press and release **AUX**

Silent mode and an optional auxiliary function are controlled by pressing this button. (Silent Mode works by pressing this button for less than one second before arming or disarming. An optional auxiliary function, such as trunk release, can be controlled by pressing this button for 1.5 seconds.)



The auxiliary output controls _____.

Panic

Press and hold 

The panic feature is controlled by pressing this button for two seconds.

Optional auxiliary

Press  and  simultaneously. An optional auxiliary convenience or expansion function that you have added to your system can be activated by pressing these buttons simultaneously.

The auxiliary output controls _____.

Patent Information

This product is covered by one or more of the following United States patents:

Vehicle Security Patents

5,467,070; 5,532,670; 5,534,845; 5,563,576; 5,646,591;
5,650,774; 5,673,017; 5,712,638; 5,872,519; 5,914,667;
5,952,933; 5,945,936; 5,990,786; 6,028,505; 6,452,484

Remote Start

5,349,931; 5,872,519; 5,914,667; 5,952,933; 5,945,936;
5,990,786; 6,028,372; 6,467,448; 6,561,151; 7,191,053;
7,483,783

Other patents pending

Government Regulations

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesirable operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Remote Controls

To satisfy FCC RF exposure compliance requirements, this device should be used in hand-held, hand operated configurations only. The device and its antenna must maintain a separation distance of 20 cm or more from the person's body, except for the hand and wrists, to satisfy RF exposure compliance. This device is designed to be used in a person's hands and its operating configurations do not support normal transmissions while it is carried in pockets or holsters next to a person's body.

Receiver antenna

To satisfy FCC RF exposure compliance requirements, the device and its antenna must maintain a separation distance of 20 cm or more from the person's body, except for the hand and wrists, to satisfy RF exposure compliance.

This device complies with the Industry Canada Radio Standards Specification RSS 210. Its use is authorized only on a no-interference, no-protection basis; in other words, this device must not be used if it is determined that it causes harmful interference to services authorized by IC. In addition, the user of this device must accept any radio interference that may be received, even if this interference could affect the operation of the device.

WARNING! Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

Limited lifetime consumer warranty

Directed Electronics. ("Directed") promises to the original purchaser to repair or replace (at Directed's election) with a comparable reconditioned model any Directed unit (hereafter the "unit"), excluding without limitation the siren, the remote transmitters, the associated sensors and accessories, which proves to be defective in workmanship or material under reasonable use during the lifetime of the vehicle provided the following conditions are met: the unit was purchased from an authorized Directed dealer, the unit was professionally installed and serviced by an authorized Directed dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized Directed dealer; and the unit is returned to Directed, shipping prepaid with a legible copy of the bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number and address; the authorized dealers name, telephone number and address; complete product description, including accessories; the year, make and model of the vehicle; vehicle license number and vehicle identification number. All components other than the unit, including without limitation the siren, the remote transmitters and the associated sensors and accessories, carry a one-year warranty from the date of purchase of the same. ALL PRODUCTS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF PURCHASE FROM AN AUTHORIZED DEALER WILL BE DENIED. This warranty is non-transferable and is automatically void if: the unit's date code or serial number is defaced, missing or altered; the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. Directed, in its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage. 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 DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. DIRECTED SECURITY SYSTEMS, INCLUDING THIS UNIT, ARE DETERRENTS AGAINST POSSIBLE THEFT. DIRECTED IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CONTENTS; AND HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT, DAMAGE AND/OR VANDALISM. THIS WARRANTY DOES NOT COVER LABOR COSTS FOR MAINTENANCE, REMOVAL OR REINSTALLATION OF THE UNIT OR ANY CONSEQUENTIAL DAMAGES OF ANY KIND. IN THE EVENT OF A CLAIM

OR A DISPUTE INVOLVING DIRECTED OR ITS SUBSIDIARY, THE 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 UNIT. DIRECTED SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGE TO VEHICLE, 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 THE CONTROL MODULE SUBJECT TO THE CONDITIONS AS DESCRIBED HEREIN. THIS WARRANTY IS VOID IF THE UNIT HAS NOT BEEN PURCHASED FROM DIRECTED, OR AN AUTHORIZED DIRECTED DEALER, OR IF THE UNIT HAS BEEN DAMAGED BY ACCIDENT, UNREASONABLE USE, NEGLIGENCE, ACTS OF GOD, NEGLIGENCE, IMPROPER SERVICE, OR OTHER CAUSES NOT ARISING OUT OF DEFECT IN MATERIALS OR CONSTRUCTION.

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. This warranty is only valid for sale of product(s) within the United States of America and in Canada. Product(s) sold outside of the United States of America or Canada are sold "AS-IS" and shall have NO WARRANTY, express or implied.

For further details relating to warranty information of Directed products, please visit the support section of Directed's website at: www.directed.com.

This product may be covered by a Guaranteed Protection Plan ("GPP"). See your authorized Directed dealer for details of the plan or call Directed Customer Service at 1-800-876-0800.

920-10011-01-2011-06

DIRECTED®

3305 & 3105 Installation Guide

This product is intended for installation by a professional installer only! Any attempt to install this product by any person other than a trained professional may result in severe damage to a vehicle's electrical system and components.

XKLOADER3, Code Hopping™, DEI®, Doubleguard®, ESP™, FailSafe®, Ghost Switch™, Learn Routine™, Nuisance Prevention® Circuitry, NPC®, Revenger®, Silent Mode™, Soft Chirp®, Stinger®, Valet®, VRS®, and Warn Away® are all Trademarks or Registered Trademarks of Directed.

Important information

Government regulations



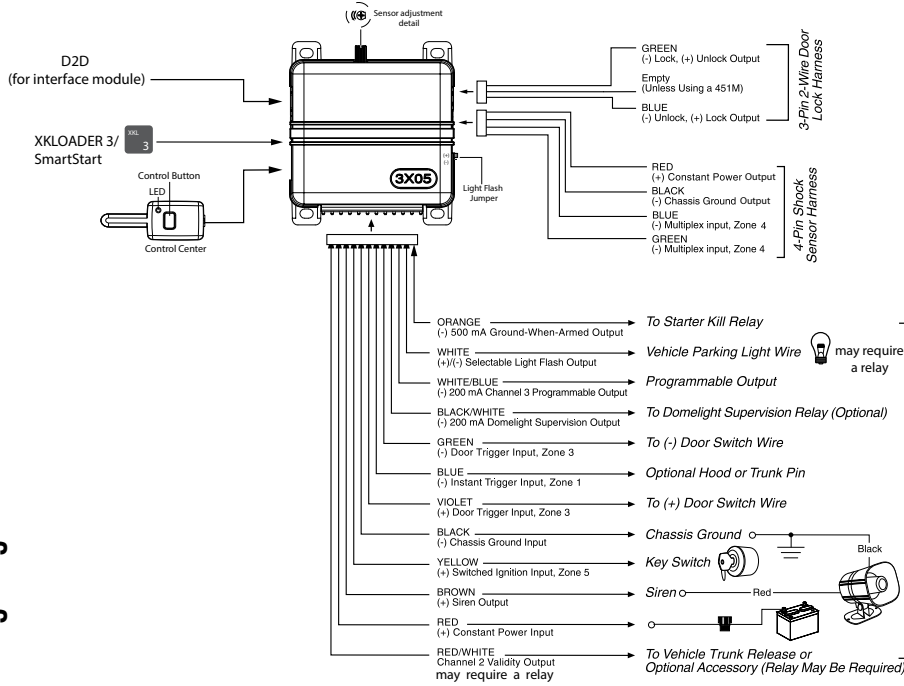
Read the **Government regulations** section of this manual prior to operating this system.

Warning! Failure to heed this information can result in injury, damage or the illegal use of the system beyond its intended purpose.

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Wiring Diagram



Wiring Connections

Main (Primary) Harness, White 12-pin connector

1	ORANGE	(-) 500mA GWA (Ground When Armed) OUTPUT
2	WHITE	(+/-) SELECTABLE PARKING LIGHT OUTPUT
3	WHITE/BLUE	(-) 200mA CHANNEL 3 PROGRAMMABLE OUTPUT
4	BLACK/WHITE	(-) 200mA DOMELIGHT SUPERVISION OUTPUT
5	GREEN	(-) DOOR TRIGGER INPUT, ZONE 3
6	BLUE	(-) INSTANT TRIGGER INPUT, ZONE 1
7	VIOLET	(+) DOOR TRIGGER INPUT, ZONE 3
8	BLACK	(-) CHASSIS GROUND INPUT
9	YELLOW	(+) SWITCHED IGNITION INPUT, ZONE 5
10	BROWN	(+) SIREN OUTPUT
11	RED	(+) CONSTANT POWER INPUT
12	RED/WHITE	(-) 200mA CHANNEL 2 OUTPUT

Important: NEVER connect 200mA/500mA low current outputs directly to a motor or high current device WITHOUT a relay.

Door Lock Harness, 3-pin connector

1	LIGHT BLUE	200 mA (-) UNLOCK, 200 mA (+) LOCK OUTPUT
2	EMPTY	NOT USED
3	GREEN	200 mA (-) LOCK, 200 mA (+) UNLOCK OUTPUT

Important: Never use this wire to drive anything but a relay or a low-current input! The transistorized output can only supply 200 mA of current. Connecting directly to a solenoid, motor, or other high-current device will cause it to fail.

Primary Harness - 12-pin connector

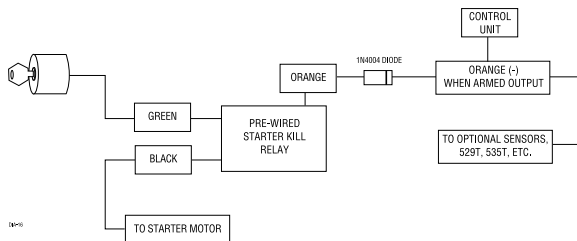
This guide describes in detail the connection of each wire. Also included are possible applications of each wire. This system was designed with the ultimate in flexibility and security in mind. Many of the wires have more than one possible function. Please read carefully to ensure a thorough understanding of this unit.

1	ORANGE	(-) 500 mA GWA (Ground When Armed) OUTPUT
---	--------	---

This wire supplies a (-) ground as long as the system is armed. This output ceases as soon as the system is disarmed. The Orange wire is pre-wired to control the 8618 starter disable relay. It can supply up to 500 mA of current.

Note: If using the this Orange wire to activate an add-on accessory such as window automation, or voice module a 1-amp diode must be installed to ensure proper operation. Insert the diode as shown in the following diagram.

Important: Never interrupt any wire other than the starter wire.



2	WHITE	(+/-) SELECTABLE PARKING LIGHT OUTPUT
---	-------	---------------------------------------

As shipped, this White wire should be connected to the (+) parking light wire. If the parking light polarity jumper is moved to the (-) position (see the **Parking light jumper section of this installation guide**), this wire supplies a (-) 200 mA output.

For parking light systems that draw 10 amps or more, the jumper must be switched to a (-) parking light output (see the **Parking light jumper** section of this guide). P/N 8617 or a standard automotive SPDT relay must be used for the parking light output.

Important: DO NOT connect the white parking light output to a negative vehicle parking light wire before changing the programming jumper to the negative polarity position or damage to vehicle light circuit may occur.

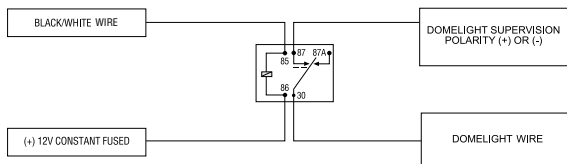
3	WHITE/ BLUE	200mA CHANNEL 3 PROGRAMMABLE OUTPUT
---	----------------	-------------------------------------

This wire provides a (-) 200 mA output, whenever the remote control button(s) controlling channel 3 output is pressed. This wire can be programmed to provide different types of outputs (see "System features learn routine" on page 14 of this guide).

Important: Never use this wire to drive anything but a relay or a low-current input! This transistorized output can only supply 200mA, and connecting directly to a solenoid, motor, or other high-current device will cause the module to fail.

4	BLACK/WHITE	200mA (-) DOMELIGHT SUPERVISION OUTPUT
---	-------------	--

Connect this wire to an optional domelight supervision relay as shown in the following diagram:



(10-11)

This wire supplies a (-) 200 mA output for 30 seconds when the system is disarmed, and when the ignition is turned off (programmable On/Off). It will pulse continuously during the alarm trigger duration.

Important: This output is only intended to drive a relay. It cannot be connected directly to the domelight circuit, as the output cannot support the current draw of one or more bulbs.

5	GREEN	(-) DOOR TRIGGER INPUT
---	-------	------------------------

Most vehicles use negative door trigger circuits. Connect the Green wire to a wire showing ground when any door is opened. When con-

necting to newer model vehicles use individual door triggers (see *Tech Tip # 1076* for wiring instructions). This wire reports Zone 3.

Note: If using a door trigger wire that has a delay, Menu 2, Feature # 2-6 or XKLOADER3 can be used to turn door trigger error chirp off.

6	BLUE	(-) INSTANT TRIGGER INPUT
---	------	---------------------------

This input will respond to a negative input with an instant trigger. It is ideal for hood and trunk pins and will report on Zone 1. It can also be used with Directed single-stage sensors. The Blue instant trigger wire can also be used to shunt sensors during operation of auxiliary channels or remote start. (See "*Bypassing sensor inputs*" on page 14 of this guide.)

7	VIOLET	(+) DOOR TRIGGER INPUT
---	--------	------------------------

Connect the Violet wire to a wire that shows (+) 12V when any door is opened. This wire will report Zone 3. If using a door trigger wire that has a delay, Menu 2, Feature # 2-6 or XKLOADER3 can be used to turn door trigger error chirp off.

8	BLACK	(-) CHASSIS GROUND
---	-------	--------------------

Connect this wire to a clean, paint-free sheet metal location (driver kick panel). A screw should only be used when in conjunction with a two-sided lock washer. Under dash brackets and door sheet metal are not acceptable ground points. It is recommended that all security components be grounded at the same location.

9	YELLOW	(+) IGNITION INPUT
---	--------	--------------------

Connect this wire to the vehicle's (+) 12V ignition wire. This wire is pre-wired to the starter disable relay and must show (+) 12 volts with the key in RUN position and during cranking.

10	BROWN	(+) SIREN OUTPUT
----	-------	------------------

Connect this to the siren Red wire. Connect the Black wire of the siren to (-) chassis ground, preferably at the same point you connect the control module's Black ground wire.

11	RED	(+) 12V CONSTANT POWER INPUT
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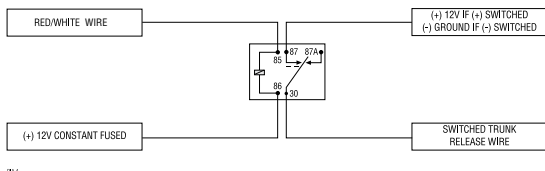
Before connecting this wire, remove the supplied fuse. Connect to the battery positive terminal or the constant 12V supply to the ignition switch.

Note: Always use a fuse within 12 inches of the point you obtain (+) 12V. Do not use the 15 amp fuse in the harness for this purpose. This fuse protects the control module.

12	RED/WHITE	(-) 200mA CHANNEL 2 OUTPUT
----	-----------	----------------------------

When the system receives the code controlling channel 2 for longer than 1.5 seconds, the RED/WHITE wire will supply an output as long as the transmission continues. This is often used to operate a trunk/hatch release or other relay/driven function.

Important: Never use this wire to drive anything but a relay or a low-current input! The transistorized output can only supply 200 mA of current. Connecting directly to a solenoid, motor, or other high-current device will cause it to fail.

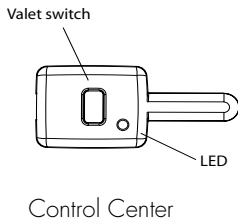


Door Lock Harness, White 3-pin connector

For detailed instructions about connecting to the vehicle's power door lock systems, refer to the Door Lock Wiring guide (*Tech Tip # 1041*) available to authorized dealers under the resource tab at: www.Directechs.com.

Control Center

The LED and the valet switch are incorporated into the Control Center. The control center plugs into the 6-pin port on the module with black RF cable provided.



XKLOADER3/Directed SmartStart, Black 3-pin connector



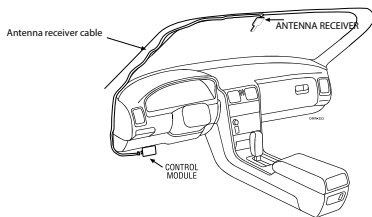
The Black 3-pin port connection is for programming the unit or when using the optional Directed SmartStart module. When using the XKLOADER3 and Directechs mobile app, it is possible to configure any and all of the programmable functions. For more information please refer to the guide packaged with the XKLOADER3/Directed SmartStart.

Mounting the Control Center

The Control Center position should be discussed with the vehicle owner prior to installation, since the antenna may be visible to the vehicle's operator. The best location for the Control Center is centered high on the front windshield. For optimal range, the Control Center should be mounted vertically. It can be mounted horizontally in relation to the windshield or under the dashboard away from metal, but range will be diminished. AM/FM radio antennas embedded in the vehicle glass, metallic window tint or dot matrix (small black dots at top of windshield) can also affect range when determining the mounting location.

After determining the best mounting location, follow these steps:

1. **Clean** the mounting area with a quality glass cleaner or alcohol to remove any dirt or residue.
2. **Plug** the Control Center cable into the Control Center.
3. **Mount** the Control Center using the supplied double-sided tape.
4. **Route** the Control Center cable to the control module and **plug** it into the 6-pin connector.



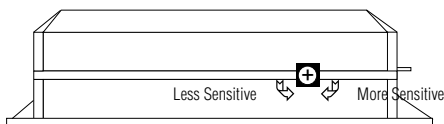
Important: To achieve the best possible range, DO NOT leave the antenna cable bundled under the dash. Always extend the cable full length during installation, regardless of the antenna mounting location.

Onboard Dual Stage Shock Sensor

There is a dual-stage shock sensor inside the control unit. Adjustments are made via the rotary control as indicated in the diagram. The shock sensor does not work well when mounted firmly to metal, we recommend that you do not screw the control module to metal.

The full trigger of the on-board shock sensor reports Zone 2 (see Table of Zones section of this guide).

Note: When adjusting the sensor, it must be in the same mounting location it will be after the installation is completed. Adjusting the sensor and then relocating the module requires readjustment.



Optional Sensor Harness, White 4-pin connector

You can add an external sensor using the White 4-pin sensor harness, as described below, however, this harness is not included with this unit, and must be ordered separately.

The RED wire supplies constant (+) 12 volts, and the BLACK wire supplies (-) Ground.

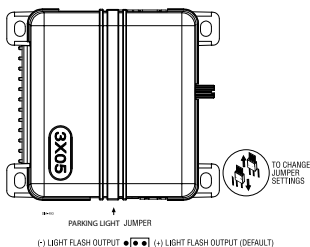
Important: The power and ground outputs of this plug cannot support high current sensors such as a 508D. Power and ground for the sensor should be connected to the red and black wire of the primary 12-pin harness connection.

BLUE and GREEN (-) Multiplex Sensor Trigger Input: These wires are multiplex sensor trigger inputs. If a (-) input of less than 0.8 seconds is supplied to either wire, a Warn Away response occurs. A (-) input of longer than 0.8 seconds to either wire initiates the triggered sequence and report Zone 4.

Parking Light Jumper

This jumper is used to determine the parking light output polarity. In the (+) position, the on-board relay is enabled and the unit outputs (+)12V on the White wire of the primary 12-pin harness. In the (-) position, the onboard relay is disabled. The White wire supplies a 200 mA (-) output suitable for driving factory parking light relays.

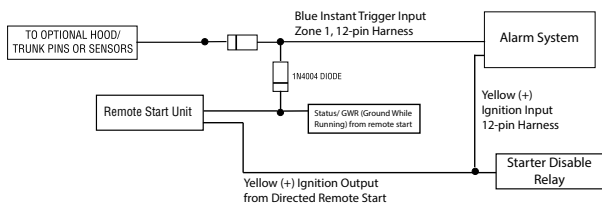
Note: For parking light circuits that draw 10 amps or more, the jumper must be switched to a (-) parking light output. P/N 8617 or a standard automotive SPDT relay must be used on the parking light output wire of the primary 12-pin harness.



Important: DO NOT connect the parking light wire of the primary 12-pin harness to a negative vehicle parking light wire before changing the programming jumper to the negative polarity position or damage to vehicle light circuit may occur.

Bypassing Sensor Inputs

There are times when you need to temporarily bypass all sensor inputs to the unit, such as during remote start. Anytime an auxiliary channel output is used, all inputs are bypassed for five seconds. During the five second bypass period, ground can be supplied to the Blue Instant Trigger Input wire of the primary 12-pin harness without triggering the unit. This can be done using the status and ignition output of a Directed remote engine starting unit, as described in the following diagram:



When the five second bypass period ends, if the unit senses ground on the Blue Instant Trigger Input wire of the primary 12-pin harness, all trigger inputs except the door trigger inputs remain bypassed until five seconds after ground is removed from the Blue wire. The ignition input needs to be bypassed during remote start also.

System Features Learn Routine

The System Features Learn Routine dictates how the unit operates. It is possible to access and change the settings using the Control Center button. However, this process can be greatly simplified by using XKLOADER3.



Any of the settings can be changed and assigned to a particular remote, up to four - this is called Owner Recognition. When that particular remote is used to disarm the system, the assigned feature settings are recalled. Owner Recognition is only possible when programming the unit via XKLOADER3.


If the system was previously programmed using the XKLOADER3, the Learn Routine may be locked. If the siren generates one long chirp when attempting to program the unit, the Learn Routine is locked and must be unlocked using XKLOADER3.

1. **Open** a door. The Green wire or the Violet wire of the primary 12-pin harness must be connected.
2. **Turn** the ignition on, then off. The Yellow wire of the primary 12-pin harness must be connected.
3. **Select** a Menu. **Press** and **hold** the Control Center button. After three seconds the siren will chirp once indicating entry to the Features Menu 1. If this is the menu you wish to access, **release** the button and go on to next step. If the button is not released, you will jump to the Advanced Features Menu 2 and the siren will chirp twice.

After you select the menu you want, **release** the Control Center button and then proceed to the next step.

4. **Select** a Feature. **Press** and release the Control Center button the number of times corresponding to the feature you wish to change. For example, to access the third feature, **press** and release the switch three times. Then **press** the switch once more and **HOLD** it. The siren will chirp the number of times equal to the step you have accessed.
5. **Program** the Feature. While **holding** the Control Center button, you can program the feature using the remote control. **Pressing**

 selects the 1-chirp setting. **Pressing**  selects the 2- chirp setting.

The valet pulse count feature (2-5) and the Channel 3 Output (2-10) each have five possible settings. Pressing  toggles through all the 2-chirp settings.

6. **Release** the Control Center button.

Once a feature is programmed:

- Other features can be programmed within the same menu.
- Another menu can be selected.
- The Learn Routine can be exited if programming is complete.

To access another feature in the same menu:

- **Press** and release the Control Center button the number of times necessary to advance from the feature you just programmed to the next one you want to program.
- Then **press** the Control Center button once more and **hold** it.

For example, if you have just programmed the third feature in the menu and you would like to program the seventh feature in the menu, you would then press and release the Control Center button four times and then press it once more and hold it. The siren chirps seven times to confirm access to the seventh feature.

To select another menu:

- **Press** and **hold** the Control Center button.
- After three seconds, the unit advances to the next menu, the siren chirps and LED flashes indicating which menu has been accessed.

The Learn Routine exits if any of the following occurs:

- Close the open door.
- Ignition is turned On

- There is no activity for 30 seconds
- The Control Center button is pressed too many times

Feature Menus

Menu 1

Items in **bold** are default settings programmed at the factory.

Feature #	1- chirp setting	2- chirp setting
1-1	Active arming	Passive arming
1-2	Chirps ON	Chirps OFF
1-3	Ignition controlled door locks ON	Ignition controlled door locks OFF
1-4	Active locking only	Passive locking
1-5	Panic w/ignition ON	No Panic w/ignition ON
1-6	Door locks have 3 pulse durations	1 chirp: 0.8 sec 2 chirps: 3.5 sec 3 chirps: 0.4 sec
1-7	Forced passive arming ON	Forced passive arming OFF
1-8	Automatic Engine Disable ON	Automatic Engine Disable OFF
1-9	Armed When Driving (AWD)	Vehicle Recovery System (VRS)
1-10	Code Hopping ON	Code Hopping OFF


Menu 2

Items in **bold** are default settings programmed at the factory.

Feature #	1- chirp setting	2- chirp setting
2-1	Siren	Horn Honk
2-2	30 second siren duration	60 second siren duration *
2-3	NPC ON	NPC OFF
2-4	Progressive door trigger	Instant door trigger
2-5	Valet switch input: 1 pulse	Valet switch input 2-5 pulses
2-6	Door trigger error chirp ON	Door trigger error chirp OFF
2-7	Ignition controlled domelight ON	Ignition controlled domelight OFF
2-8	Single unlock pulse	Double unlock pulse
2-9	Single lock pulse	Double lock pulse
2-10	Channel 3 output type: Validity	Channel 3: latched/ latched reset with ignition/ 30- second timed/Factory Alarm Disarm (FAD)/Factory Alarm Trigger (FAT) / second unlock output
2-11	Comfort Closure (ON, 20 sec)	Comfort Closure (OFF)

* XKLOADER3 allows programming from 1-180 seconds.

Feature Descriptions

System features are described below. Features that may only be programmed with the XKLOADER3, as by this icon  .

Menu 1

1-1 Active/Passive Arming: With active arming the system arms using the remote control only. When set to passive, the system arms automatically 30 seconds after the last door is closed. The siren chirps 20 seconds after the door is closed to notify the user of Passive Arming. At the 30 second mark, the system arms, but the siren does not chirp.

1-2 Siren Chirps ON/OFF: This feature controls the siren chirps that confirm the arming and disarming of the system.



1-3 Ignition Controlled Door Locks ON/OFF: When set to on, the doors lock three seconds after the ignition is turned on and unlock when the ignition is turned off. If the door is open when the ignition is turned on, the system will not lock the doors. The XKLOADER3 procedure for ignition lock and ignition unlock may be programmed On or Off independently.

1-4 Active/Passive Locking: If Passive Arming is selected in feature # 1-1, you can program the doors to lock when Passive Arming occurs, or program doors to lock when arming with the remote control. With Active Locking the doors do not lock when the system is passively armed. When Passive Arming is selected, the system chirps 20 seconds after the last door is closed. Arming the system or locking the doors occurs 30 seconds, after the door closes.

1-5 Panic With Ignition ON: Control whether Panic Mode is available with the ignition on. Some state laws prohibit a siren from sounding in a moving vehicle. This feature makes the system compliant with these regulations.

1-6 Door Lock Pulse Duration: Some European vehicles, such as Mercedes-Benz and Audi, require longer lock and unlock pulses to operate the door lock vacuum pump. Programming the system to provide 3.5 second pulses, accommodates the door lock interface in these vehicles. The default setting is 0.8 second door lock pulses.

1-7 Forced Passive Arming ON/OFF: To use this feature, Passive Arming must be selected in feature # 1-1. When turned on, Forced Passive Arming ensures the system will passively arm, even if a zone is left open or invalid. Forced Passive Arming occurs one hour after the ignition is turned off.

1-8 AED (Automatic Engine Disable) ON/OFF: AED is a full-time, passive starter disable. When turned on, the Orange, GWA (Ground When Armed) output wire (of the primary 12-pin harness) goes active 30 seconds after the ignition is turned off. The LED flashes at half normal rate. This indicates that AED is active and will interrupt the starter in 30 seconds. AED does not occur in Valet mode and can be bypassed using the emergency override procedure. The remote control can also disarm AED.

1-9 Armed While Driving/VRS (Vehicle Recovery System): In the default setting (Armed While Driving), the system can be armed with the ignition on. When armed, the ground-when-armed is not active and the sensors are bypassed. The door triggers remain active. If programmed to the VRS (Vehicle Recovery System) setting, VRS is activated.

1-10 Code-Hopping ON/OFF: The system uses a mathematical algorithm to change its code each time the remote control and receiver communicates. This makes the group of bits or “words” from the remote control very long. The longer the word is, the easier it is to block its transmission to the unit. Disabling the Code-Hopping feature lets the receiver ignore the Code-Hopping part of the transmitted word. As a result, the unit may have better range with Code-Hopping off.

Menu 2

2-1 Siren/Horn Honk: The system can be programmed to output pulses instead of a continuous output when the system is triggered. This is useful to honk the factory horn in applications where a siren is undesirable. Remember that the unit is only capable of supplying a (+) 12V output with 1A of current.. A relay will be required to interface with most factory horn systems.



2-2 Siren Duration 30/60 Seconds: It is possible to program the unit to sound for 30 or 60 seconds during a security trigger. Some states have laws regulating how long a security system can sound. When using XKLOADER3, the siren can be programmed to sound for any length of time ranging from 1 to 180 seconds. Using the SELECT button of XKLOADER3 will adjust the siren duration in one second increments.

2-3 NPC (Nuisance Prevention Circuitry) ON/OFF: NPC stops repeated triggering of the sensors. If this feature only applies to sensors, hardwire inputs are different, sensor zones 2 or 4 trigger three times in one hour it is bypassed for one hour, at the start of the third trigger. During that hour if a trigger occurs on the same zone again, the system resets the one hour timer. If after an hour the sensor has not triggered

again, or the ignition is turned on, it is activated and able to trigger the system. NPC monitors sensor inputs, but does not bypass ignition trigger. If NPC is turned off the system responds to repeated triggers sensor inputs, indefinitely. Some states have laws regulating how many times a security system can trigger before it is considered a nuisance and the vehicle is towed away.

2-4 Progressive Door Trigger ON/OFF: The system responds to a door trigger input with a progressive response. When the door is opened with the system armed, the siren will chirp 10 times prior to the full triggered sequence. The door trigger is still treated as an instant trigger and closing the door quickly will not prevent a full triggered sequence from occurring. If the progressive door trigger is programmed off, the full siren output will occur the moment the door is opened.

2-5 Valet Pulse Count 1-5 Pulses: The system can be programmed to count the number presses of the Control Center button before disarming the security system or VRS. The factory default setting is one pulse. The unit can be set for two to five pulses using the two-chirp setting to select the pulse count.

2-6 Door Trigger Error Chirp ON/OFF: when programmed ON, if a door is open during arming, generates an error notification chirp. When programmed OFF, no notification chirps are generated if a door is open during arming.

2-7 Ignition-Controlled Domelight Supervision ON/OFF: If turned ON, domelight illuminates for 30 seconds when the ignition is turned OFF. Domelight Supervision is an optional feature and may require additional parts and labor.

2-8 Double Pulse Unlock ON/OFF: Some vehicles require two pulses on a single wire to unlock the doors. When the double pulse unlock feature is turned ON, the Blue wire of the 3-pin Door Lock harness will supply two negative pulses instead of a single pulse. At the same time, the Green wire in the 3-pin door lock harness will supply two pulses instead of a single pulse. This makes it possible to directly interface with door lock circuits requiring a double pulse, without any extra parts.


2-9 Double/Single Pulse Lock: Some vehicles require two pulses on a single wire to lock the doors. When the double pulse lock feature is turned ON, the Blue wire in the 3-pin door lock harness will supply two positive pulses instead of a single pulse. At the same time the Green wire of the 3-pin Door Lock harness will supply two pulses instead of a single pulse. This makes it possible to directly interface door lock circuits requiring a double pulse, without any extra parts.

2-10 Channel 3 Output Type: The unit is set to the validity output as default. To change the configuration use the two-chirp setting and toggle to various configurations.

1. **Validity:** When the command for Channel 3 is received, the system will output a (-) and will remain on until the command from the remote ceases.
2. **Latched:** When the command for Channel 3 is received, the system will output a (-) and will remain on until the command from the remote is received again.
3. **Latch/Reset with Ignition:** When the command for Channel 3 is received, the system will output a (-) and will remain on until the command from the remote is received again or the

ignition is turned on/off.

4. **Timed (30 seconds):** When the command for Channel 3 is received, the system will output a (-) for 30 seconds (programmable for up to 90 seconds in 1 second increments with XKLOADER3).
5. **Factory Alarm Disarm (FAD)**
The output will pulse when disarming and activating the Trunk Release feature for RF Security. Connect to a wire that will disarm the factory alarm when pulsed to ground.
6. **Factory Alarm Trigger (FAT)**
The output will pulse when the sensor full trigger zone is activated. Connect to a wire that will trigger the factory alarm system when grounded (Usually a door or trunk switch).
7. **Second Unlock Output:** The output will operate as a 2nd Unlock and will only activate when pressing the "unlock" button on the remote a second time (within five seconds of disarming). This feature is used when drivers door priority unlocking is desired.

2-11 Comfort Closure: The system can be programmed to close the windows when the system is armed 800ms after the door lock output pulses (or 2nd pulse for double pulses) - the output turns on again for 20 seconds. The Comfort Closure output will be cancelled if the  button is pressed.

Pairing a Remote Control

The system comes with two remote controls already paired to the system. The control module can store up to four different remote control codes in memory.

If the system was previously programmed using XKLOADER3, the Learn Routine may be locked. If the siren generates one long chirp when attempting to program the unit, the Learn Routine is locked and must be unlocked using XKLOADER3 before proceeding.

1. **Open a door.** The Green wire or the Violet wire of the primary 12-pin harness must be connected.
2. **Turn the ignition on.** The Yellow wire of the primary 12-pin harness must be connected.
3. **Select a channel.** **Press** and release the Control Center button the number of times necessary to access the channel you want, and then **press** and **hold** the Control Center button once more. The siren chirps and the LED blinks the number of times corresponding to the channel accessed.

Channel/ Function		
Channel #	Function	Wire Color
1	Arm/Disarm	
2	Panic Only	
3	Silent mode, Remote Valet, Trunk Release	Red/White
4	Remote starter or other accessories	White/Blue

Channel/ Function		
5	Arm Only	
6	Disarm Only	
7	Auto learn standard 4- btn configuration*	
8	Auto learn 3-btn configuration*	
9	Delete all transmitters	

Note: For auto learn configurations, see "Remote Control Configurations" on page 28 of this guide.

- While **holding** the Control Center button, **press** the button on the remote control you want to assign to the selected channel. The unit chirps indicating successful programming.

Note: It is not possible to teach a remote control button to the system more than once.

Channels 2, 5, 6: Use Channels 2, 5, and 6 to assign the arm, disarm and panic functions to buttons on the remote control. Teaching a button to Channel 5 or Channel 1 erases some memory information, and auxiliary functions may have to be reprogrammed.

Channel 9: If a button from a taught remote is programmed to Channel 9, all remote controls will be erased from memory and system features revert to the default settings.

This is useful when a customer's remote is lost or stolen. All remote controls are erased from the system's memory. You can also start from scratch, if the remote buttons are programmed incorrectly.

5. **Release** the Control Center button, once the remote control is learned.







The Learn Routine is exited if any of the following occurs:




- Ignition is turned off.
- Door is closed.
- Control Center button is pressed too many times.
- More than 15 seconds elapse between steps.

One long chirp indicates that the Learn Routine has been exited.

Remote Control Configurations

The standard four-button 2-way and 1-way remote controls may be programmed using the Auto Learn function in the Learn Routine.

Standard configuration	
Arm	
Disarm	
Channel 2/Silent Mode	AUX
Panic	 or 
Channel 3	 and 

3-button configuration (optional, not included)	
Arm/Disarm	 / 
Channel 2/Silent Mode	AUX
Panic	

Note: Multi Level Security Arming feature is not available with the 3-button remote control.

Diagnostics

The system's microprocessor monitors and reports all active and violated zones when arming and disarming. LED flashes indicate the active or violated zone, siren chirps indicate system status.

Arm/disarm diagnostics

The number of siren chirps indicates the alarm status when arming and disarming. For information on which zone is active or has been violated refer to the Table of Zones.

Status Chirps

Action	Chirps	System status
Arm	1	Armed
	2	Armed with bypass notification
Disarm	2	Disarmed
	4	Disarmed with tamper alert
	5	Disarmed/NPC active

Table of zones

Zone	Trigger type	Description
1	Instant	Blue wire of the primary 12-pin harness Connect to optional hood/trunk
2	Onboard shock sensor	Heavy impact detected by the onboard shock sensor. Armed with bypass notification
3	Two-stage, Progressive	Door switch circuit. Green or Violet wire of the primary 12-pin harness warning to full alarm.
4	Multiplexed input	BLUE and GREEN wires of optional sensor plug. Inputs shorter than 0.8 seconds will trigger a Warn Away response, while inputs longer than 0.8 seconds will instantly trigger a full alarm sequence.
5	Two-staged	Ignition input. Yellow wire of the primary 12-pin harness.

Note: The Warn Away response does not report on the LED.

Long Term Event History

The system stores the last two full triggers in memory. These are not erasable. Each time the unit sees a full trigger, the older of the two triggers in memory will be replaced by the new trigger.

To access long term event history:

1. With the ignition off, **press** and **hold** the Control Center button.
2. **Turn on** the ignition.
3. **Release** the Control Center button.
4. **Press** and release the Control Center button again within five seconds. The LED will flash in groups indicating the last two zones that triggered the unit. The LED will flash for one minute or until the ignition is turned off.

Note: Warning Zone triggers are not stored to memory and will not be reported.

Multi-Level Security Arming

Multi-Level Security arming allows the operator to select which inputs and sensors are active during a particular arming cycle. For a full description of Multi-Level Security Arming operation for testing purposes refer to the Owner's Guide.

Note: This feature is not available with the optional three-button remote control.

VRS (Vehicle Recovery System)

VRS is an optional feature designed to disable a vehicle during a car-jacking event. It must be programmed in the features menu and the Failsafe Starter Disable must be installed for it to work properly. For operational instructions when testing VRS refer to the Owner's Guide.

NPC (Nuisance Prevention Circuitry)

NPC bypasses any zone that triggers the system more than three times within a one-hour period. For a full description of NPC operations refer to the Owner's Guide.

<p>Important: When testing the systems sensor and trigger inputs reset NPC by turning on the ignition after every third system trigger.</p>
--

Rapid Resume Logic

Rapid Resume Logic ensures that when the system is powered up it returns to the same state it was in before power was disconnected. For a full description of Rapid Resume Logic refer to the Owner's Guide.

Troubleshooting: Security

Starter Disable doesn't work.

- Is the correct starter wire being interrupted? If the car starts when the starter disable relay is completely disconnected, the wrong starter wire has been cut and interrupted.
- Yellow wire is not connected to true ignition. It is connected to an accessory circuit.

Shock sensor doesn't trigger the alarm.

- Has the NPC system been triggered? If so, you will hear five chirps when disarming. To check this, **turn** the ignition key **on** and **off** to clear the NPC from memory, and then retest the shock sensor. For a detailed description of NPC (see Owner's Guide).

Door input does not immediately trigger full alarm. Instead, I hear chirps for the first three seconds.

- That's how the Progressive Two-Stage Door Input works! This is the instant response feature of this system. Even if the door is closed immediately, the system provides an instant trigger by chirping, and then progressing to a constant siren.

Closing the door triggers the system, but opening the door does not.

- Have you correctly identified the type of door switch system? This happens often when the wrong type of door input has been used.

System will not passively arm until it is remotely armed and then disarmed.

- Are the door inputs connected? Is a Blue wire connected to the door trigger wire in the vehicle? Either the Green or the Violet wire of the primary 12-pin harness should be used instead.

Door input does not respond with the progressive trigger, but with immediate full alarm.

- What zone does the LED indicate? If the LED indicates that the impact sensor caused the trigger, the sensor may be detecting the door opening. Reducing the sensitivity or relocating the sensor can often solve this problem.
- If the LED indicates that the door caused the trigger, you may have programmed the progressive door trigger OFF. (See Feature 2-4 in the "Feature Descriptions" on page 19 of this guide.)

The Control Center button doesn't work or LED doesn't work.

- Make the connector is securely plugged in to the alarm module and Control Center.

Government Regulations

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesirable operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Remote Controls

To satisfy FCC RF exposure compliance requirements, this device should be used in hand-held, hand operated configurations only. The device and its antenna must maintain a separation distance of 20 cm or more from the person's body, except for the hand and wrists, to satisfy RF exposure compliance. This device is designed to be used in a person's hands and its operating configurations do not support normal transmissions while it is carried in pockets or holsters next to a person's body.

Receiver antenna

To satisfy FCC RF exposure compliance requirements, the device and its antenna must maintain a separation distance of 20 cm or more from the person's body, except for the hand and wrists, to satisfy RF exposure compliance.

This device complies with the Industry Canada Radio Standards Specification RSS 210. Its use is authorized only on a no-interference, no-protection basis; in other words, this device must not be used if it is determined that it causes harmful interference to services authorized by IC. In addition, the user of this device must accept any radio interference that may be received, even if this interference could affect the operation of the device.

WARNING! Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device

The company behind this system is Directed

Since its inception, Directed has had one purpose, to provide consumers with the finest vehicle security and accessories available. The recipient of nearly 100 patents and Innovations Awards in the field of advanced electronic technology.

Quality Directed products are sold and serviced throughout North America and around the world.

Call (800) 274-0200 for more information about our products and services.

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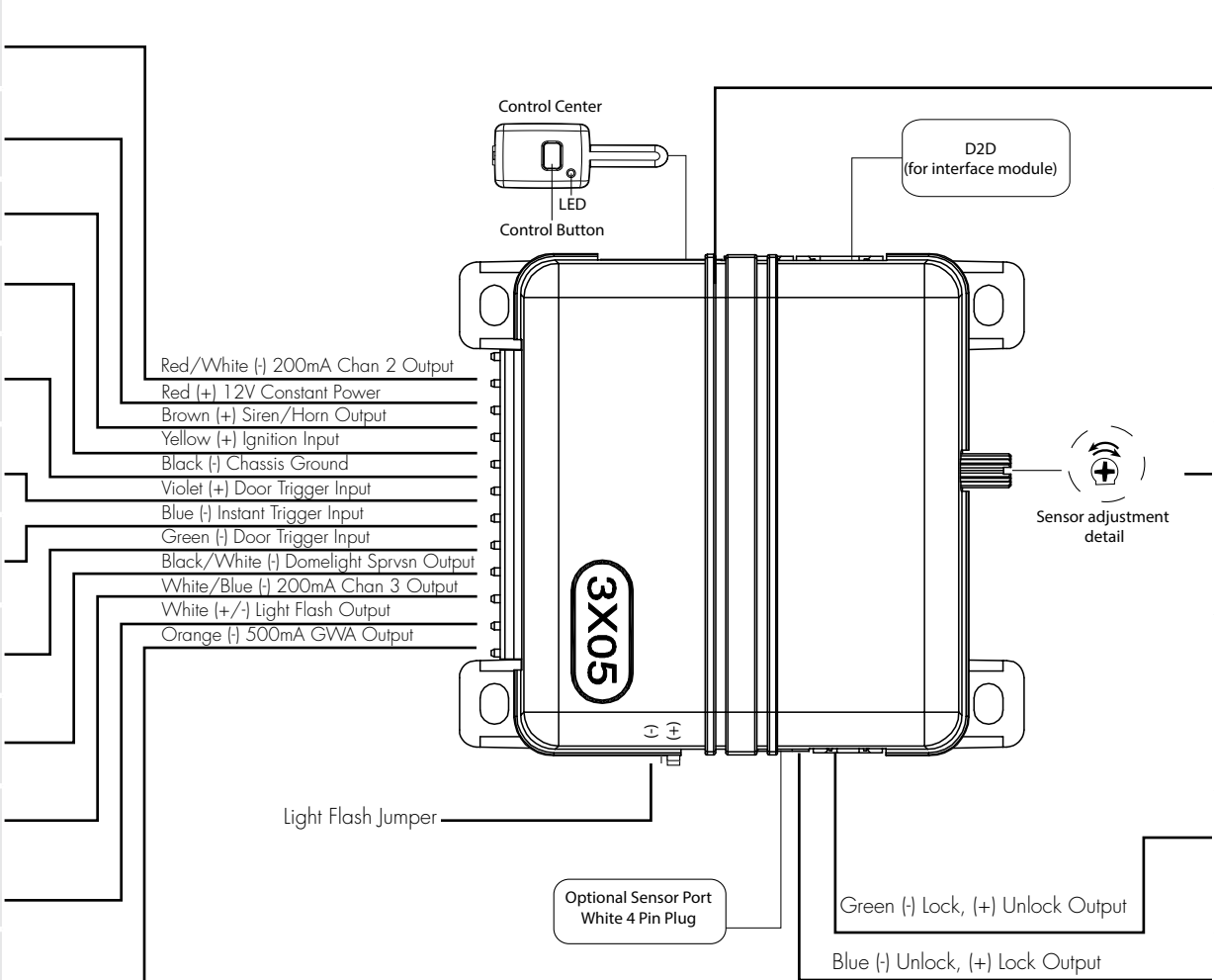
Quick Reference Install Guide

Vehicle Security System

Models 3105 and 3305

Wiring Connections

- Channel 2 Output: Connect to the vehicle negative (-) trunk release relay or other low current device.
- 12V Constant Power: Remove the inline fuse before connecting to a wire that has (+) 12V at all times.
- Siren Output: Connect to the (+) wire on the siren or horn.
- Ignition Input: Connect to a wire that has (+) 12V while the key is in the run and crank positions.
- Chassis Ground: Connect to a scraped (bare) metal surface in the driver kick.
- Door Trigger Input: Connect to a wire that goes to (+) 12V when any door is opened.
- Instant Trigger Input: Connect to a wire that goes to ground (-) when the hood or trunk are opened.
- Door Trigger Input: Connect to a wire that goes to (-) ground when any door is opened.
- Domelight Supervision Output: Connect to a (-) wire that will turn on the domelight.
- Channel 3 Output/Flex Output: Connect to an auxiliary relay or low current device. Or use this wire for factory alarm trigger or factory alarm disarm.
- Light Flash Output: Connect to the vehicle parking light wire. This wire is programmable + or -.
- Ground When Armed Output: Connect to a starter interrupt relay or other accessory that requires a GWA.



- Programming Port/ SmartStart: The XKLOADER3 can be connected to this port for programming feature options using the DirecTechs mobile app. SmartStart can be connected to this port to operate the system by Smartphone.
- Adjusting the shock sensor pot:
 - Securely mount the CPU (in a safe location) before adjusting
 - Turn the sensor adjustment clockwise to increase sensitivity, turn counterclockwise to decrease sensitivity
- (-) Lock, (+) Unlock Output: Connect to a wire that pulses ground to activate the vehicle lock relay or to a wire that pulses (+) 12V to activate the vehicle unlock relay
- (-) Unlock, (+) Lock Output: Connect to a wire that pulses (-) ground to activate the vehicle unlock relay or to a wire that pulses (+) 12V to activate the vehicle lock relay

Important: NEVER connect 200mA low current outputs directly to a motor or high current device WITHOUT a relay,

Remote control configuration

4- button remote control configuration

Feature	Description
	Arm: Lock the doors and arm the vehicle
	Disarm: Unlock the doors and disarm the vehicle
AUX	Channel 2/Silent Mode: Activate Silent Mode and Auxiliary functions
or	Panic
and	Channel 3: Press together to control an Auxiliary output

Guide Translations

For a French version of the Installation Guide, please download it from www.directechs.com under "Resources".

Traduction du guide:
Pour une version française du guide d'installation, veuillez le télécharger à www.directechs.com sous «Resources».



The XKLOADER3® and Directechs Mobile App gives you access to a wider range of system options. See reverse side or download the app for more details.

Download the Directechs Mobile app to program settings and features.

To Download the App:

Scan the QR code or search for Directechs Mobile in your mobile app portal.

Para descargar la aplicación : Escanear el código QR o buscar Directechs Mobile en la portal de aplicación móvil.

Pour télécharger l'application : Scannez le code QR ou recherchez Directechs Mobile dans le portail de votre application mobile.





More information and full Installation Guide can be found online at: www.directechs.com

DIRECTED

Programming System Features

The System Features Learn Routine dictates how the unit operates. It is possible to access and change most of the feature settings using the Control Center button.

1. **Open** a door.
2. **Turn** the ignition on, then off.
3. **Select** a Menu. **Press** and **hold** the Control button. The number of siren chirps indicates the menu number. 1 chirp indicates menu 1, 2 chirps - menu 2.
4. When the desired menu chirps are heard, **release** the Control button.
5. **Select** a Feature. **Press** and **release** the Control button the number of times corresponding to the feature you wish to change. Then **press** and **hold** one more time to select the features.
6. **Program** the Feature. While holding the Control button, you can program the feature using the remote control.

To change the desired options press;  = one chirp setting, while  = two chirps setting.

Once a feature is programmed:

- Other features can be programmed within the same menu
- Another menu can be selected
- The learn routine can be exited if programming is complete

To access another feature in the same menu:

1. **Press** and **release** the Control button the number of times necessary to advance from the feature you just programmed to the next one you want to program.
2. Then **press** the Control button once more and **hold** it.


To select another menu:


1. **Press** and **hold** the Control button.
2. After 3 seconds, the unit advances to the next menu and the siren chirps, indicating which menu has been accessed.

The learn routine exits if any of the following occurs:

- The open door is closed.
- The ignition is turned On.
- There is no activity for 20 seconds.
- The Control button is pressed too many times.

XKLOADER3 - Only Options

 If programming with the XKLOADER3®, the learn routine can be locked or unlocked. If the learn routine has previously been locked, it must be unlocked with XKLOADER3® - this cannot be done manually with the Control button.

The XKLOADER3®  gives you access to a wider range of system options. These features and the adjustments that may be programmed are described in the table below. Default settings are in **bold** type.

Menu Item	Feature	Default	Option 2
1	Ignition Controlled Lock	Ignition Controlled Lock ON	Ignition Controlled Lock OFF
2	Ignition Controlled Unlock	Ignition Controlled Unlock ON	Ignition Controlled Unlock OFF
3	Siren Duration	30 second siren duration	1-180 seconds (in 1 second increments)

Feature Menus

Default factory settings are in **bold** type.

Menu 1: Basic Features

Feature #	1- chirp setting	2- chirp setting
1-1	Active arming	Passive arming
1-2	Chirps ON	Chirps OFF
1-3	Ignition controlled door locks ON	Ignition controlled door locks OFF
1-4	Active locking only	Passive locking
1-5	Panic w/ignition ON	No Panic w/ignition ON
1-6	Door locks have 3 pulse durations	1 chirp: 0.8 sec 2 chirps: 3.5 sec 3 chirps: 0.4 sec
1-7	Forced passive arming ON	Forced passive arming OFF
1-8	Automatic Engine Disable ON	Automatic Engine Disable OFF
1-9	Armed When Driving (AWD)	Vehicle Recovery System (VRS)
1-10	Code Hopping™ ON	Code Hopping OFF

Menu 2: Advanced Features

Feature #	1- chirp setting	2- chirp setting
2-1	Siren*	Horn Honk*
2-2	30 second siren duration	60 second siren duration
2-3	NPC® ON	NPC OFF
2-4	Progressive door trigger	Instant door trigger
2-5	Control button input: 1 pulse	Control button input 2-5 pulses
2-6	Door trigger error chirp ON	Door trigger error chirp OFF
2-7	Ignition controlled domelight ON	Ignition controlled domelight OFF
2-8	Single unlock pulse	Double unlock pulse
2-9	Single lock pulse	Double lock pulse
2-10	Channel 3: Validity	Channel 3: latched/ latched reset with ignition/ 30- second timed/ Factory Alarm Disarm (FAD)/ Factory Alarm Trigger (FAT)/ second unlock output
2-11	Comfort Closure (ON, 20 sec)	Comfort Closure (OFF)

* In “Horn Honk” setting the brown wire (12-pin) outputs pulses. In “Siren” setting the wire outputs continuously. This wire has a (+) polarity output regardless of setting.

Remote control learn routine

The system comes with two remote controls that have been taught to the control module. The control module can store up to four different remote control codes in memory. The button configurations can be changed on the remote control, follow the procedure below and use the table to configure it for an associated function.

1. **Open a door.** The 12 pin harness GREEN wire or the 12 pin harness VIOLET wire must be connected.
2. **Turn the ignition on.** The 12 pin harness YELLOW wire must be connected.
3. **Select a channel.** Press and release the Control button the number of times necessary to access the channel you want, and then press and hold the Control button once more. The siren chirps and the LED blinks the number of times corresponding to the channel accessed.
4. While holding the Control button, press the button on the remote control you want to assign to the selected channel. The unit chirps indicating successful programming.
Note: It is not possible to teach a remote control button to the system more than once.

Channels 2, 5, 6: Use Channels 2, 5, and 6 to assign the arm, disarm and panic functions to buttons on the remote control. Teaching a button to Channel 5 or Channel 1 erases some memory information, and auxiliary functions may have to be reprogrammed.

Channel/ Function	
Channel #	Function
1	Arm/Disarm
2	Panic Only
3	Silent mode, Remote Valet, Trunk Release
4	Remote starter or other accessories
5	Arm Only
6	Disarm Only
7	Auto learn standard 4- button configuration*
8	Auto learn 3- button configuration*
9	Delete all transmitters**

- * For auto learn configurations, see Remote control (transmitter) configurations section of this guide.
- ** The delete all transmitters option also resets the programmed settings to their default factory state.

The learn routine exits if any of the following occurs:

- The open door is closed
- The ignition is turned off
- There is no activity for 15 seconds
- The Control button is pressed too many times

Long Term Event History

The system stores the last two full triggers in memory. These are not erasable. Each time the unit sees a full trigger, the older of the two triggers in memory is replaced by the new trigger. To access long term event history:

1. With the ignition Off, **press** and **hold** the Control button.
2. **Turn** the ignition On.
3. **Release** the Control button.
4. Within 5 seconds, **press** and **release** the Control button. The status LED flashes in groups indicating the last two zones that triggered the unit for 1 minute or until the ignition is turned off. Refer to table of zones.

Note: The Warn Away triggers are not stored to memory and are not reported.

Table of Zones

A zone is represented by the number of status LED flashes used by the system to identify a particular type of input.

Zone	Description	Input Description
1	Optional trigger input	12 pin harness Blue wire
2	Instant trigger: a heavier impact detected by the shock sensor	Onboard Shock Sensor.
3	Door switch trigger	12 pin harness Green or Violet wire
4	Instant trigger: For optional sensors	Optional Sensor Port
5	Ignition trigger	12 pin harness Yellow wire