

DIRECTED®

RF KIT TYPE:

**1-Button
Remote Controls**

9816V, 9816P, 9816X

User's Guide

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Congratulations

Congratulations on the purchase of your state-of-the-art Directed Digital 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 Directed at **1-800-753-0600**. Additional support is also available at: <http://support.directed.com>

Note: Please note this remote system is compatible with various systems. Your system may or may not include features such as remote start or security. Please speak with your installation technician to find out which features will be applicable to your installation.

Important Information

Government Regulations and Safety Information



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

WARNING! Failure to heed this information can result in death, personal injury or property damage and may also result in the illegal use of the system beyond its intended purpose.

Your Warranty

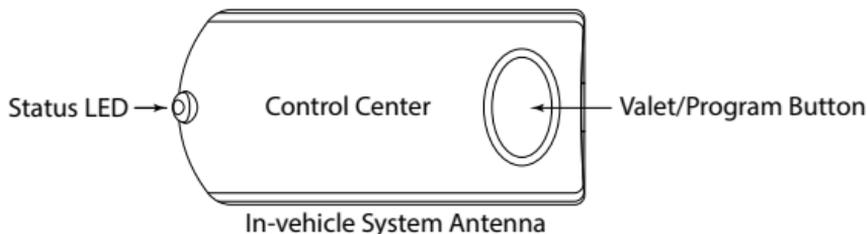
Your system comes with a warranty. The warranty terms are detailed at the end of this guide. Make sure that you receive the proof of purchase from your dealer, indicating the product was installed by an authorized Directed dealer.

Replacement Remote Controls

Please see your authorized dealer or visit us at www.directed-store.com to order additional remote controls. Remote control RPN (Replacement Part Number) are found typically on the back of the device.

Introduction

Control Center



The Control Center sends and receives commands or messages to and from the system. It consists of:

- The in-vehicle system antenna, for system communication.
- The Status LED, is a visual indicator of the system's status.
- The Control Center button is for placing the system into Valet Mode, programming features and to perform Emergency Override operation.

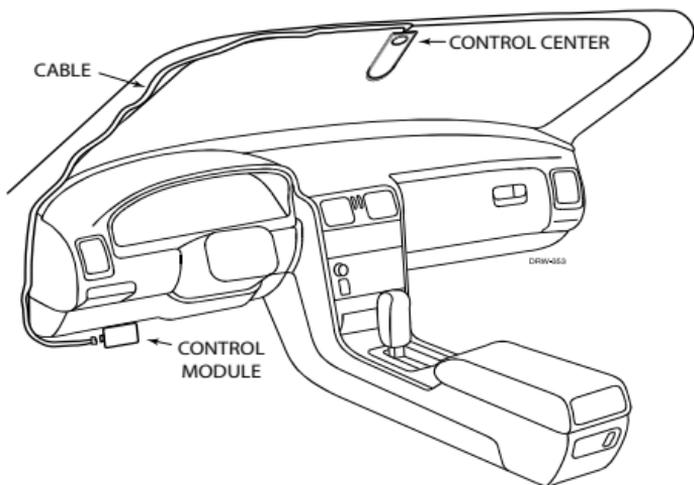
Mounting the Control Center

The Control Center's position should be discussed with the vehicle owner prior to installation since the antenna, with built-in Status LED and Valet/Program button, must be visible and accessible to the driver of the vehicle.

The best position to locate the Control Center is centered high on the front windshield. It can be mounted vertically or horizontally relative to the windshield. Metallic window film and in-glass antennas can affect range negatively, so this should be a consideration 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 cable into the Control Center.
3. **Mount** the Control Center with the supplied double-sided tape.
4. **Route** the cable down the window pillar, being careful to avoid airbags, and **plug** the cable in the Control Module.



Remote Control Pairing

Once this Control Center has been installed, it must be paired with the installed Control Module. Use the following procedure to prepare and pair the system.

Compatibilities

RF Kit Part #	Included in RF Kit (XL202 not included)	
	Remote Part #	Antenna Part #
9816V/P/X	(1) 2-way 7816V/P/X & (1) 1-way 7616V/P/X	6826T

Remote Pairing the 1-Button 2-way and Companion Remote Controls with a 4X10/4X06 System

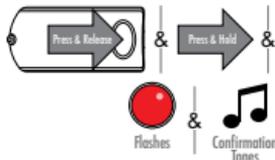
- 1 Open at least one vehicle door.



- 2 Turn the ignition to the ON position.



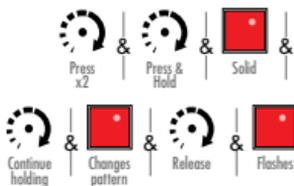
- 3 Within 10 seconds, **press** and **release** once and then **press** and **hold** the system's Control Center button. The status LED begins flashing in a sequence of 1 flash and the siren/horn (if connected) sounds to confirm the system is ready for pairing.



- 4 Release the Control Center button.



- 5** Press and release the button on the remote twice quickly, and then press and hold the button. The transmit LED comes ON solid, continue to hold the button until the transmit LED changes its pattern. Release the button and the transmit LED begins flashing as an indication that the remote has entered the pairing mode.



- 6** Press and release the button on the remote. The vehicle horn sounds (if connected) to confirm the system has paired with the remote control. The 2-way remote will play tones confirming that the remote has paired with the system, the 1-way remote does not offer confirmation tones. If Remote Pairing fails, repeat the above procedure or confirm the firmware flashed to the 4X10/5X10 is correct for the type Antenna/Remote being used.



- 7** Turn the ignition OFF and test remote functions.



Note: Make sure the remote to be paired with the system is set for the desired Car 1 or Car 2 operation.

Note: Exiting Pairing Mode

The system Learn Routine exits if any of the following occurs:

- The ignition is turned OFF.
- There is no activity for 60 seconds.
- The Control Center button is pressed too many times.

The remote exits Learn Routine if any of the following occurs:

- There is no activity for 30 seconds
- Press and release the button, then press and hold until the transmit LED shuts OFF.

Compatibilities			XL202 Firmware
RF Kit Part #	Included in RF Kit (XL202 not included)		
	Remote Part #	Antenna Part #	
9816V/P/X	(1) 2-way 7816V/P/X & (1) 1-way 7616V/P/X	6826T	202.RFTDDEI2

Remote Pairing the 1-Button 2-way and Companion Remote Controls with XL202

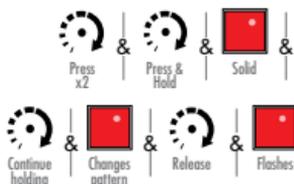
For drivers' priority Unlock: Press and hold the Programming button of the XL202 module. The LED will begin flashing slowly (**Do Not** Release the XL202 Programming Button).



- 1 For Unlock all doors:** Press once **release** then **press** and **hold** the Programming button of the XL202 module. The LED will begin flashing slowly (**Do Not** Release the XL202 Programming Button).



- 2** Press the Start button on the remote control twice and then **hold** on the third press. The transmit LED will come ON solid, continue to hold the button until the transmit LED changes its pattern. **Release** the button and the transmit LED will begin flashing as an indication that the remote has entered the pairing mode.



- 3** Press the button on the remote control. The LED on the XL202 will turn ON solid for one second the LED then turns OFF to indicate that pairing was completed successfully. The 2-way remote will play tones confirming that the remote has paired with the system, the 1-way remote does not offer confirmations tones. If Remote Pairing fails, repeat the above procedure or confirm the firmware flashed to the XL202 is correct for the type Antenna/Remote being used.



- 4** **Release** the Programming button on the XL202 and test remote functions.



Note: Exiting Pairing Mode:

The XL202 Learn Routine exits if any of the following occurs:

- The programming button is released.

The remote exits Learn Routine if any of the following occurs:

- There is no activity for 30 seconds
- **Press and hold** the  button.

1-Button 2-way Remote Control Commands

System Commands

System State	Press/Release Button	Press/Hold for 3 sec.
Engine OFF	Start Engine	Car Finder**
Engine ON	Unlock Doors	Stop Engine

Start Engine

When the engine is OFF, **press** and **release** the remote control button to start the engine.

Unlock Doors

When the engine is running with Remote Start, **press** and **release** the remote control button. The doors Unlock, the parking lights flash and the horn sounds* (if connected) as confirmation. The 2-way remote control emits tones.

Stop Engine

When the engine is ON with Remote Start, **press** and **hold** the remote control button until the transmit LED flashes fast. The engine stops running and the parking lights turn OFF. The 2-way remote control emits tones.

* This option is only available when using a 4X10 and 5X10. Because of security functions 1-button remotes are not recommended/compatible with the 5X10.

** The Horn honk is only available when using a 4X10 and is an optional feature that required additional parts and labor.

Car Finder**

When the engine is OFF, **press** and **hold** the remote control button for three seconds. The horn sounds (if connected) once and the parking lights flash multiple times. The 2-way remote control emits a single tone.

Battery Information

The 1-way remote controls are powered by a single coin cell battery (RPN* CR-2016), and the 2-way remote controls are powered by two coin cell batteries (RPN* CR-2016) that can be purchased at most retailers. Operating range diminishes as battery charge depletes.

Battery Replacement

1. **Unscrew** the hardware on unit rear and **remove** from housing.
2. Use a small flat blade screwdriver and **insert** it into the slot located along the bottom of the remote, near the key ring. Carefully **pry** open the case.
3. Gently **slide** out the used battery/batteries from the holding clip. **Orient** the new battery for the correct polarity and **insert** into holding clip.
4. **Realign** the case parts and **snap** together by **pressing** firmly and evenly on the front and back. **Reinstall** screw.
5. Test remote functions.

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.

* RPN (Replacement Part Number).

Patent Information

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

Remote Start Patents:

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

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

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.

Control Center

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.

Warning! Safety First



Please read the safety warnings below before proceeding. Improper use of the product may be dangerous or illegal.

Installation

Due to the complexity of this system, installation of this product must only be performed by an authorized Directed dealer. If you have any questions, ask your retailer or contact Directed directly at 1-800-753-0600.

Remote Start Capable

When properly installed, this system can start the vehicle via a command signal from the remote control transmitter. Therefore, never operate the system in an enclosed area or partially enclosed area without ventilation (such as a garage). When parking in an enclosed or partially enclosed area or when having the vehicle serviced, the remote start system must be disabled using the installed toggle switch. It is the user's sole responsibility to properly handle and keep out of reach from children all remote control transmitters to assure that the system does not unintentionally remote start the vehicle.

THE USER MUST INSTALL A CARBON MONOXIDE DETECTOR IN OR ABOUT THE LIVING AREA ADJACENT TO THE VEHICLE. ALL DOORS LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST AT ALL TIMES REMAIN CLOSED. These precautions are the sole responsibility of the user.

Interference

All radio devices are subject to interference which could affect proper performance.

Upgrades

Any upgrades to this product must be performed by an authorized Directed dealer. Do not attempt to perform any unauthorized modifications to this product.

Water/Heat Resistance

This product is not designed to be water and/or heat-resistant. Please take care to keep this product dry and away from heat sources. Any damage from water or heat will void the warranty.

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

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.

Directed is committed to delivering world class quality products and services that excite and delight our customers.

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