

DIRECTED[®]

Since its inception, Directed has had one purpose, to provide consumers with the finest vehicle security and car stereo products 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.

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Vehicle Security System



The Finest In Security And Convenience For Your Vehicle.

Vista, CA 92081

www.automatecarsecurity.com

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

OWNERS' GUIDE

MODEL
5304A

Congratulations

Congratulations on the purchase of your state-of-the-art security and remote start system. Reading this Owner's Guide prior to using your system will help maximize the use of your system and its many features. Please visit: **www.automatecarsecurity.com** – For general and additional guide information. For any additional questions please contact your authorized Directed dealer or contact Directed at **1-800-753-0600** (U.S. only). Additional support is also available at: <http://support.directed.com>.

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 for these at: **www.automatecarsecurity.com**. Most sections in this guide also contain additional information which can be found in the expanded online version.

What you get

Welcome to the best generation of security with remote start. Your system contains everything you need.

- LCD remote control, 2-way with Supercode technology for superior range and reliability (p/n 7351A)
- Companion remote control, 1-way (p/n 7142A)
- AC adapter for charging your remote control (p/n 8602T)

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 Responder LC system comes with a warranty. Please make sure you receive the warranty registration card and proof of purchase from your dealer indicating the product was installed by an authorized Directed dealer. Please validate it online at www.prodregister.com/automate or complete and return the warranty registration card.

Getting Started

Due to transit and storage time prior to your purchase, the battery charge may have depleted. To ensure proper operation, check the battery level and connect the battery charger if not fully charged.

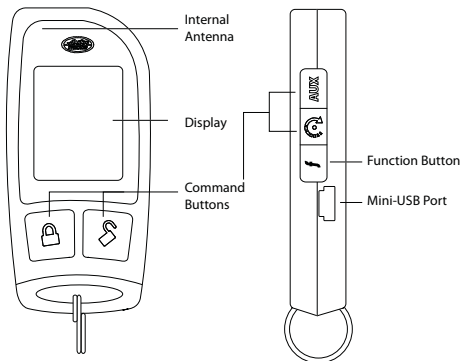
Charging the remote control:

1. Plug the AC adapter into a 110V AC outlet. Insert the mini-USB connector into the mini-USB port located on the side of the remote control. The text field displays **CHARGE** to indicate the remote control is charging (The remote remains operational while charging and can command the system).
2. Once fully charged the text field displays **FULL**.

Contents

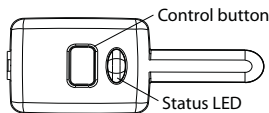
Responder LC 2-Way.....	2
Status Screen Icons.....	4
Using your System.....	7
Commands and Confirmations	7
Performing Commands	7
Responder LC Command table	8
Fault Condition Alerts	8
Basic Commands (Direct Access)	9
Arm	9
Disarm	9
AUX/Trunk.....	10
Remote Start.....	10
1-way Companion Remote Control	11
Battery Information (Responder LC).....	12
Battery Information (1-Way)	12
Battery Disposal	12
Patent Information	13
Government Regulations	13
Warning! Safety First.....	15
Limited lifetime consumer warranty	18

Responder LC 2-Way



Feature	Description
Internal Antenna	Used for transmitting and receiving information
Display	Status screen - the upper portion of the display contains status icons for the System, Siren, Alarm zones, Remote Start and Remote Control. Text field - the lower portion of display - shows the Clock, Runtime or Temperature during Remote Start, as well as Command confirmations, Page messages and programming menus
Command buttons (4)	Used to perform arming, disarming, auxiliary channel and remote start commands
Function button	Used to access function levels for commands, configuration menus for programming, Car Selection, and to request reports.
Mini-USB Port	The battery charger plugs into this port.

Control Center



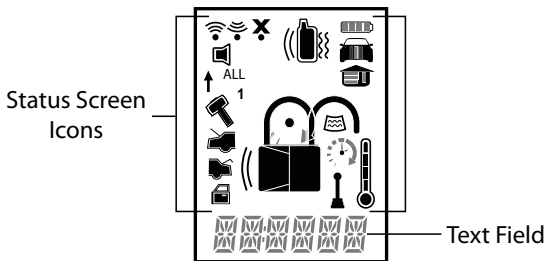
The Control Center, typically located on the upper part of the front windshield sends and receives commands or messages to and from your system. It consists of:

- The In-vehicle system antenna, for 2 way communication.
- 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 *"Remote and System Operations"* in online guide.

** See *"Alarm Features"* in online guide.











Status Screen Icons



The table below describes all the status screen icons.

	Icon	Description
System Status		Armed: The system is Armed, the alarm is enabled.
		Locked: The system is Locked in Valet, the alarm is disabled.
		Disarmed: The system is Disarmed, the alarm is disabled.
		Unlocked: The system is Unlocked in Valet, the alarm is disabled.
Siren Status		Siren is disabled for sensor triggers; remote is paged for all triggers (Sensor Silent Arm).
		Siren is disabled for all triggers; remote is paged for all triggers (Full Silent Arm).
Remote Start		Remote start is active, the engine is running.
		Timer Start is On; Remote Start is On. Note: When the icon is without an arrow head: Timer Start is enabled: Remote Start is Off

	Icon	Description
Remote Start		Smart Start is On; Remote Start is On. Note: When the icon is without an arrow head: Smart Start is On; Remote Start is Off.
		Manual Transmission Start mode is enabled, the engine can be started
		Displays the vehicle interior temperature
		On during Remote Start after performing the Defogger On command
Zone Status		On during Warn-away and Full Trigger message output
		On during Trunk Zone Full Trigger output and Aux/Trunk channel activation
		On during Fault Report to indicate the Trunk is open and bypassed when arming
		On during a Sensor Zone Full Trigger output
		On during Fault Report to indicate a Sensor is active and bypassed when arming
		On during the Door Zone Full Trigger output
		On during Fault Report to indicate a Door is open and bypassed when arming
		On during a Hood Zone Full Trigger output
		On during Fault Report to indicate the Hood is open and bypassed when arming
		On when remote is set to command the system programmed as Car 1*
		On when remote is set to command the system programmed as Car 2*

	Icon	Description
Remote Control Status		Bars indicate battery level is Full, 3/4, 1/2, 1/4 or Empty
		On while the remote control is transmitting a command
		On while the remote control is receiving a message
		On with Out of Range fault tone to indicate the remote failed to receive a command confirmation
		Pager on: The remote will wake up to listen for messages
		Pager off: The remote will not wake up to listen for messages
		The remote will Vibrate when messages are received
		The remote will emit Beeps and Tones when messages are received
	Text field	Displays the Clock, Runtime, Temperature, message text and feature menus
		
		On after the Garage Closed** message has been received.

* This icon not present until the Car 2 is turned on in the Setup Remote configuration menu.

** This icon not present until the remote is paired with an optional garage door opener.

Using your System

Commands and Confirmations


Commands, Basic or Advanced, are used to activate system features and are performed by pressing one of the Command buttons. Basic commands control the most often used security and remote start features while Advanced commands control more specialized features and request reports.

Confirmations for Basic or Advanced commands are indicated first by siren chirps and parking light flashes, and then by Text, Icons and beeps or tones on the remote control. A description of each feature confirmation is found in the Basic Commands section. See online guide for Advanced Commands section.





Performing Commands

Perform Basic commands by pressing one of the command buttons while in the Direct Access level. Direct access is available while the text field displays the Clock, Temperature or Runtime. Perform Advanced commands by first accessing one of the Function Levels and then pressing one of the command buttons while within a level. Function Levels are available when the text field displays LEVEL 1,2,3 or 4.

Advanced command example: Silent Arm

1. Press the **f** button once to access Function Level 1, the text field will display **LEVEL 1**.
2. Press the  button while **LEVEL 1** text is still on to perform the Silent Arm command.
3. The Responder LC remote will display **SILENT ARMED** in the text field and update the status screen icons.

Responder LC Command table

Level Button	Direct Access	f x 1 LEVEL 1	f x 2 LEVEL 2	f x 3 LEVEL 3	f x 4 LEVEL 4
	Arm/Lock (Panic)	Silent Arm	Sensor Bypass	Sensor Silent Arm	Full Silent Arm
	Disarm/Unlock	Silent Disarm	Remote Valet	Car Finder	
	Remote Start	Runtime Reset	Timer Start	Smart Start	Defogger
	Aux/Trunk	AUX 1	AUX 2	AUX 3	AUX 4
f	Advance Level Change Car (3s), Enter programming (8s)	Temperature Check	Runtime Remaining	Alarm Report	

Fault Condition Alerts

If, when performing a command, a condition exists that does not allow activation of an Alarm feature* or Remote Start feature**, the **NOT AVAILABLE** or **REMOTE START ERROR** text and a fault tone will play.

* See this section and “*Feature not Available*” in online guide.

** See this section and “*Remote Start Error*” in online guide.

Basic Commands (Direct Access)



Arm



Press and release 

The alarm arms, doors lock (if connected), and the siren chirps and parking lights flash once. The **ARMED** text and beeps play to confirm and the System Status Icons update. If Valet mode* is On, the doors lock and the **VALET** text and tone play. Exit Valet mode to arm the alarm normally.

If a trigger zone fault is detected the siren chirps once again and the Trigger Zone Fault report** plays.

To Arm and Panic

Press and hold 

The alarm Arms (or Locks in Valet) and, after 2 seconds, sounds the siren and flashes the parking lights. The **PANIC** text and siren tones play to confirm. Press the  or  button to stop the output.

Disarm

Press and release 

The alarm disarms, doors unlock (if connected), and the siren chirps and parking lights flash twice. The **DISARM** text and beeps play to confirm and the system status icons update. If Valet mode* is On, the doors unlock and the **VALET** text and tone play.

More than 2 siren chirps and remote beeps indicate a trigger has occurred. The **DISARM** text is replaced by the Alarm report. **


AUX/Trunk

Press and hold 

The Trunk opens (if connected) when this button is pressed for 2 seconds. The **TRUNK** text and tones play to confirm.

Remote Start

Press and release 

Activates (or if On, deactivates) the remote starter. The engine and parking lights turn On and the **REMOTE START ON** text and tones play, or the engine and parking lights turn Off and the **REMOTE START OFF** text and tones play to confirm, the Remote Start status icons update. The  icon will display in the status screen and the text field will display the Runtime, Temperature or Clock as programmed. If Remote Start fails to activate, **REMOTE START ERROR** text and a fault tone play while the parking lights flash to identify the reason.***

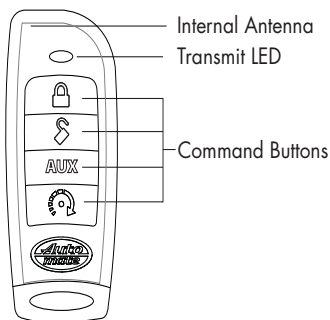
* See "Remote and System Operations" in online guide.




** See "Alarm Features" in online guide.


*** See "Remote Start Error" in online guide.

For Manual transmission vehicles see "Manual Transmission Start (MTS mode)" in online guide.

1-way Companion Remote Control



Action Button	Press and Release	Shift (Press/release "AUX" first)	Press/Hold for 2 secs.
	Arm	Silent Arm	Arm and Panic
	Disarm	Silent Disarm	No Function
AUX	Shift*	Sensor Bypass	Trunk release
	Remote Start	Runtime Reset	No Function

* Advanced commands are performed by pressing and releasing the **AUX** button prior to pressing one of the other command buttons to perform an associated action. For example, to silent arm: Press and release **AUX** first, then press and release .

Battery Information (Responder LC)

The Responder LC remote control is powered by an internal rechargeable battery that can be serviced only through an authorized Directed dealer.



Warnings! NEVER connect the supplied AC adapter to products other than the Responder LC remote control. It is a high current device designed specifically for rapid charging of the Responder LC battery and may cause severe damage or explosion when connected to any other products.

Battery Information (1-Way)

The 1-way companion remote is powered by one 3V coin cell lithium battery (PN CR-2032) that will last approximately one year under normal use.

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.

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 menu wheel. 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.

Manual Transmission Vehicles

Remote starters on manual transmission vehicles operate differently than those with automatic transmission because you must leave your car in neutral. You must read this Owner's Guide to familiarize yourself with the proper procedures regarding manual transmission remote starters. If you have any questions, ask your authorized Directed dealer or contact Directed at 1-800-753-0600. Before remote starting a manual transmission vehicle, be sure to:

- Leave the vehicle in neutral and be sure no one is standing in front or behind the vehicle.
- Only remote start on a flat surface
- Have the parking brake fully engaged

WARNING! It is the responsibility of the owner to ensure the parking/emergency brake properly functions. Failure to do so can result in personal injury or property damage. We recommend the owner have the parking / emergency brake system inspected and adjusted by a qualified automotive shop biannually.

Use of this product in a manner contrary to its intended mode of operation may result in property damage, personal injury, or death. (1) Never remotely start the vehicle with the vehicle in gear, and (2) Never remotely start the vehicle with the keys in the ignition. The user must also have the neutral safety feature of the vehicle periodically checked, wherein the vehicle must not remotely start while the car is in gear. This testing should be performed by an authorized Directed dealer in accordance with the Safety Check outlined in the product installation guide. If the vehicle starts in gear, cease remote start operation immediately and consult with the authorized Directed dealer to fix the problem.

After the remote start module has been installed, contact your authorized dealer to have him or her test the remote start module by performing the Safety Check outlined in the product installation guide. If the vehicle starts when performing the Neutral Safety Shutdown Circuit test, the remote start unit has not been properly installed. The remote start module must be removed or the installer must properly reinstall the remote start system so that the vehicle does not start in gear. All installations must be performed by an authorized Directed dealer.

OPERATION OF THE REMOTE START MODULE IF THE VEHICLE STARTS IN GEAR IS CONTRARY TO ITS INTENDED MODE OF OPERATION. OPER-

ATING THE REMOTE START SYSTEM UNDER THESE CONDITIONS MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY. YOU MUST IMMEDIATELY CEASE THE USE OF THE UNIT AND SEEK THE ASSISTANCE OF AN AUTHORIZED Directed DEALER TO REPAIR OR DISCONNECT THE INSTALLED REMOTE START MODULE. DIRECTED WILL NOT BE HELD RESPONSIBLE OR PAY FOR INSTALLATION OR REINSTALLATION COSTS.

This product is designed for fuel injected vehicles only. Use of this product in a standard transmission vehicle must be in strict accordance with this guide.

This product should not be installed in any convertible vehicles, soft or hard top with a manual transmission. Installation in such vehicles may pose certain risk.

Interference

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

Upgrades and Batteries

Any upgrades to this product and/or installation of batteries must be performed by an authorized 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 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 dealer's 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.

