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La compagnie à l'origine des Systèmes Autostart® est Directed Electronics.

Autostart a été l'un des premiers à concevoir et à fabriquer des démarreurs à distance pour véhicules. Au fil des ans, son engagement à la qualité et la fiabilité continu a permis à Autostart d'obtenir une réputation enviable en tant que concepteur de systèmes de démarrage à distance et de sécurité haut de gamme. Aujourd'hui, Autostart continue d'établir les normes de l'industrie.

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The company behind Autostart® Systems is Directed Electronics.

Autostart was one of the first to design and build remote control vehicle starters. Over the years, a continuing commitment to quality and reliability has allowed Autostart to gain a respected reputation as a high-end designer of remote start and security systems. Today, Autostart continues to set standards in the industry.

Call **(800) 876-0800** for more information about our products and services.

AUTOSTART™



Systèmes de démarrage à distance et de sécurité
Remote Start & Security Systems

Redéfinition du contrôle absolu®
Redefining the Ultimate Control™



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Directed s'engage à offrir des produits et services de qualité de classe mondiale qui raviront les clients.

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

GUIDE DE
L'UTILISATEUR
OWNER'S GUIDE

MODÈLE/MODEL

AS-DSP320

AS-DSP154

Congratulations

Congratulations on the purchase of your state-of-the-art Autostart Digital System. Reading this Owner's Guide prior to using your system will help maximize the use its many features. For more information please visit us online (see back cover for URL). For any additional questions please contact your authorized Autostart dealer.

Note: Your system is configurable and may or may not include features such as remote start or security. This guide also covers optional features which may not be applicable to your system. Please speak with your installation specialist to find out which features are applicable.

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 Autostart dealer.

Replacement Remote Controls

Please see your authorized dealer to order additional remote controls. Remote control part number are typically found on the back of the device.

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2-way communication

Throughout this guide, there are references to 2-way communication and/or confirmation of commands via the 2-way remote control. Please note that your system may not be equipped with a 2-way remote control so such feedback will not apply. If you would like to upgrade to a 2-way remote control, please see your authorized Autostart dealer. Additional parts and labor may apply.

Getting Started

Keys to using this manual

Specific actions (in bold type) and style conventions are used consistently throughout this manual, they are as follows:

- **Press:** implies pushing in and the remote will play the transmit beep to send the command.
- **Hold:** is used after Press actions. By holding the button for more than 3 seconds, the remote sends another command.
- An asterisk (*) when used after a word or phrase denotes that additional details can be found in related sections usually noted at the bottom of the page or end of the section.
- Confirmation LED's are identified by the command/function button they are associated with.

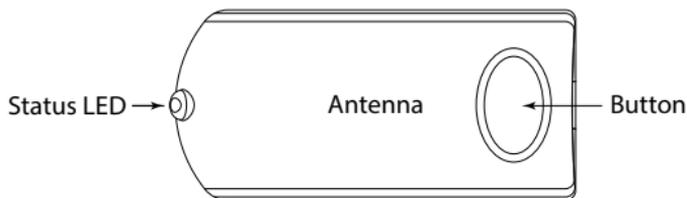
Introduction

ASDS-3520 2-Way/ASDS-1554 1-Way Remote Control

Feature	Description
Command buttons (4) 	Used to perform arming, disarming, utility channel and remote start commands.
AUX button	Used to access function levels for commands, configuration menus for programming, Car Selection, and to access other advanced commands.
Confirmation LED's*	Each button has an associated LED next to it that are active during related operations. These LED's are labeled respectively as: Lock LED, Unlock LED, Remote Start LED and Trunk LED.

* 2-way communication is only applicable to the ASDS-3520 remote control.

Antenna



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

- The Status LED, as a visual indicator of the system's status.
- Button, for accessing various feature, programming, and reporting functions of the system.

Using the System

Commands and Confirmations

This quick reference guide only covers basic features. Advanced features and more information on your system can be found in the full on-line guide. Please visit us on-line, and search using your system's model number (found on the front cover, the URL is located on the back cover):

The remote control sends commands that control the features of your system. Only the 2-way remote control confirms a command using LEDs, and tones, the 1-way does not.

If a command is sent for a feature that is not included in your system or not available (example: runtime reset when remote start is off) the remote control displays an alert by LED and tone.

If the system doesn't respond to a command, change locations and retry until successful.

Performing Commands

Press any command button directly to send one of the Basic commands to your system.

Press the **AUX** button 1-4 times before pressing a command button to send an Advanced command.

The following Remote Control Command table defines the button press actions required for the Basic and Advanced commands that may be available for your system.

Example: Performing an advanced command, Silent Arm/Lock

1. Press the **AUX** button four times to access Function Level 4.
2. Then, press the  button immediately to send the command.
3. The system arms/locks silently and the remote control confirms by tones and LED (ASDS-3520 only).

Remote Control Command Table

Level Button	Basic Com- mands	AUX x1 LEVEL 1	AUX x2 LEVEL 2	AUX x3 LEVEL 3	AUX x4 LEVEL 4
	Arm/Lock (Panic)*	Car Finder	2nd Car Lock (2nd Car Panic)*	AUX1	Silent Arm/ Lock
	Disarm/Unlock	Rear Defogger	2nd Car Unlock	AUX2	Silent Disarm/ Unlock
	(Trunk)*	Runtime Remaining (2-way LED only)**	(2nd Car Trunk)*	AUX3	
	Remote Start/ Stop** (Runtime Reset)*	Cold Weather Mode**	2nd Car Start/ Stop** (2nd Car Run- time Reset)*	AUX4	Low Tem- perature Mode**
AUX	Advanced Level Enter Programming (Hold 5 sec.)				

* Commands in brackets requires to press and hold the button in order to transmit.

** Remote Start commands are available only on systems with remote start features.

Shortcut Commands Table:

Commands	Button Combinations
Start Valet	 + 
Combo Valet (Alarm & Start)	 + 

Basic Commands

Arm/Lock

Press and release 

The vehicle doors lock, siren/horn sound, parking lights flash, and alarm* features are enabled. The 2-way remote control confirms by using LED and tone. If an alarm zone is active (e.g. door is open) an alert message will follow. If a Valet mode is enabled the 2-way remote control confirms by using LED and tones accordingly.

Panic Mode

Press and hold 

The system arms/locks, then two seconds later begins the Panic output. The 2-way remote control confirms by using LED and tones. Press the  or  button to stop the panic output anytime.

Disarm/Unlock

Press and release 

The vehicle doors unlock, siren/horn sound, parking lights flash, and alarm* features are disabled. The 2-way remote control confirms by using LED and tone. If an alarm trigger has occurred an alert message will follow. If a Valet mode is enabled the 2-way remote control confirms by using LED and tones accordingly.

Trunk

Press and hold 

The trunk opens (if connected) when this button is pressed for 4 seconds. The 2-way remote control (ASDS-3520) confirms by LED and tones.

* Available for systems with security features only.

Remote Start/Stop

Press and release

Activates the remote starter (or deactivates when engine is already running). The engine and parking lights turn On and the Remote start LED and On tones play, or the engine and parking lights turn Off and the Remote start LED and Off tones play to confirm. If a Remote start configuration issue prevents the engine from starting, a fault tone plays while the parking lights flash to identify the fault.

Press and hold  for at least 4 seconds to reset the programmed runtime.

Alert Conditions:

Parking Light Flashes	Possible Cause	Solution
5	Brake ON	Release Foot Brake.
6	Hood Open	Close Hood.
7	After performing Remote Start command MTS not enabled.	Enabled MTS Mode.
9	Start Valet on	Turn Start Valet off

Valet Modes

Remote Valet Modes. The Valet commands in the remote command table turn on/off the Start Valet, or Combo Valet Modes (both Alarm & Start Valet).

- **Start Valet ( + )**
The Start Valet mode will disable remote start features until turned off. The 2-way remote control confirms by using LED and tones.
- **Combo Valet ( + )**
The Combo Valet command is used to turn on/off both Alarm Valet and Start Valet together.
 - If both Valets are off then both will be turned on.
 - If one or both Valets are on, then they will be turned off.The 2-way remote control confirms by using LED and tones.

Manual Valet Modes

Use the following routine to manually turn on/off the Valet Modes, turning both on manually achieves Combo Valet:

Turn the ignition ON and then OFF.

- Alarm Valet:

Press and **release** the Valet button once.

Alarm Valet will turn on/off accordingly. The antenna LED will be on while Alarm Valet is on and will be off when Alarm Valet is off. The siren/horn also sounds to confirm.

- Start Valet:

Press and **hold** the Valet button for five seconds.

The parking lights flash nine times in rapid succession when turned on, and nine times in slow succession when turned off. The 2-way remote control confirms by using LED and tones.

Emergency Override

The following procedure Disarms the system when a programmed remote is not available. Number of presses _____

1. **Turn** the ignition ON.
2. **Press** the Valet button the correct number of times (the default is 1 press). After a few seconds the siren output ceases and the system is Disarmed.

Battery Information

The 2-way remote control (ASDS-3520) is powered by two batteries (CR-2016). The 1-way remote control (ASDS-1554) is powered by one 3V coin cell lithium battery (CR-2032) that can be purchased at most retailers. When the battery begins to weaken, the operating range will be reduced.

Battery Replacement

ASDS-3520 2-way remote control

1. Unscrew the hardware on unit rear, use a small flat blade screwdriver and insert it into the slot located along the opposite side of the AUX button. Carefully pry open the case; this releases all parts of the assembly.
2. Gently slide out the used battery to remove it from the holding clip. Orient the new battery for the correct polarity and insert into holding clip.
3. Reassemble unit and secure with hardware.

ASDS-1554 1-way remote control

1. If present, remove the small screw on the back of the remote.
2. Use a small flat blade screwdriver and insert it into the slot located along the opposite side of the AUX button. Carefully pry open the case; this releases all parts of the assembly.
3. Gently slide out the used battery to remove it from the holding clip. Orient the new battery for the correct polarity and insert into holding clip.
4. Reposition case parts, and snap together by pressing firmly and evenly on the front and back. Reinstall screw (if applicable).

Battery Disposal



Autostart 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 handheld, 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.

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.

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 Autostart dealer.

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 "Start Valet" procedure found under "Valet Modes" in this guide. It is the user's sole responsibility to properly handle and keep out of reach from children all remote control remote controls to assure that the system does not unintentionally remote start the vehicle. IT IS RECOMMENDED THAT THE USER INSTALL A CARBON MONOXIDE DETECTOR IN THE LIVING AREAS ADJACENT TO THE VEHICLE. ALL DOORS LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST BE CLOSED AT ALL TIMES. 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 Autostart dealer.

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 Autostart 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 Autostart 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 Autostart dealer.

OPERATION OF THE REMOTE START MODULE IF THE VEHICLE STARTS IN GEAR IS CONTRARY TO ITS INTENDED MODE OF OPERATION. OPERATING THE REMOTE START SYSTEM UNDER THESE CONDITIONS MAY CAUSE THE VEHICLE TO UNEXPECTEDLY LUNGE FORWARD RESULTING IN PROPERTY DAMAGE OR SERIOUS PERSONAL INJURY INCLUDING DEATH. YOU MUST IMMEDIATELY CEASE THE USE OF THE UNIT AND SEEK THE ASSISTANCE OF AN AUTHORIZED AUTOSTART DEALER TO REPAIR OR DISCONNECT THE INSTALLED REMOTE START MODULE. AUTOSTART 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

Any upgrades to this product must be performed by an authorized Autostart 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 Warranty

REMOTE STARTERS:

As the manufacturer, Directed warrants to the original consumer purchaser only (**non-transferable**) that the remote starter module (control box) shall be free from defects in materials and workmanship **for as long as the original consumer purchaser continuously owns the vehicle in which the remote starter was originally installed.** 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.

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.*

* Effective on modules produced since August 2011.

ACCESSORIES:

Directed warrants to the original consumer purchaser only (**non-transferable**) that it will replace any Directed accessory part for a one-year period from date of purchase. Accessories will only be replaced if proven defective in material or workmanship, and if, when the accessory is returned to the point of purchase, the retailer is provided with a copy of the proof of purchase. The accessory will be sent to the retailer for the consumer to claim within a 4 (four)-week period.

THE WARRANTY IS VOID IF:

1. The product has been damaged, altered in any way or tampered with, without the explicit written consent of a Directed technician. For remote starter modules, this includes the opening or removal of the plastic covering of the module, or the removal or alteration of the barcode label on the plastic covering of the module.
2. The product is damaged due to accident, fire, flood, shipping and handling, misuse, neglect, or other conditions beyond the control of Directed.
3. The product has been installed or repaired by anyone other than a certified technician.
4. The product has been improperly installed or used.

THE WARRANTY DOES NOT COVER:

1. Batteries.
2. Scratched or worn transmitter cases.
3. Modules indicating a production date earlier than August 1, 2011.
4. Installation and/or removal charges for all remote starter modules and accessories.
5. Shipping and handling charges incurred for product exchange or replacement.
6. Any material damages other than to the product itself.
7. Harnessing, LED lights, switches, inverters, relays, etc.

THIS LIMITED LIFETIME WARRANTY SHALL CONSTITUTE THE SOLE LIABILITY OF DIRECTED FOR OUR PRODUCTS, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. THERE ARE NO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO PERSON, FIRM OR CORPORATION IS AUTHORIZED TO ASSUME FOR DIRECTED ANY OTHER LIABILITY WITH RESPECT TO THE SALE OR USE OF OUR PRODUCTS. DIRECTED'S LIABILITY, WHETHER BASED ON CONTRACT, TORT, WARRANTY, STRICT LIABILITY, OR ANY OTHER THEORY, SHALL NOT EXCEED THE PRICE OF THE INDIVIDUAL UNIT WHOSE DEFECT FOR DAMAGE IS THE BASIS OF THE CLAIM. UNDER NO CIRCUMSTANCE WILL DIRECTED, ITS DISTRIBUTORS OR THEIR AGENTS BEAR ANY LIABILITY WHATSOEVER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

The parties here to elect that any dispute regarding the present document be submitted to the appropriate Court located in the Province of Quebec, District of Montreal. The parties hereto agree that this document is governed by and interpreted in accordance with the law of Quebec. If the purchaser is located in a province of Canada other than Quebec, all matters dealing with the warranty of quality will be governed by and interpreted in accordance with the law of Ontario. If the purchaser is located outside Canada, all matters dealing with the warranty of quality will be governed by and interpreted in accordance with the United Nations Convention on Contracts for the International Sale of Goods (the "Vienna Convention").