

VIPER DIRECTED SMARTSTART PRO DSM550 QUICK REFERENCE INSTALL MANUAL



DIRECTED[®]

SMARTSTART[®]·PRO

Quick Reference Install Guide/ Guide d'installation à référence rapide/ Guía Rápida de Instalación y Referencia: DSM550, VSM550

Installation Procedure

This product is optimized for use with Directed digital security and remote start systems, such as DS4/DS4+. It is also fully compatible with most Directed ESP2 systems, as well as Autostart and AstroStart systems. Please read the following before proceeding.

1. Customer Information required:

- Record the customer information requested in step 4a of this procedure. The module AirID # is provided on a sticker which can be affixed to the space provided in the user guide. This information is required for final verification/activation of the module.

2. Installation Points:

- Install and test the security/remote start system first using the associated guides and wiring diagram. When adding SmartStart to an existing system, verify it is fully functional before installing the SmartStart module.
- DO NOT connect the SmartStart module until the final programming of the Remote Start main unit and verification of security/remote start system operations are completed.
- For standalone SmartStart systems with no remote control, test the installed system via the SmartStart activation portal.
- Mount the SmartStart module as high as possible in the vehicle with "THIS SIDE UP" facing upward (for all devices). Mount with minimal obstructions that can affect communications and within reach of the main Directed system using the provided cables (do not extend).

CAUTIONS

The white 4-pin data connector is **ONLY** for Directed digital systems, such as DS4/DS4+ or digital interfaces (DBALL2 and DB3).

There should **NEVER** be more than one data plug connected from the 3-way cable adapter.

For some older analog systems with combined 4-pin ESP/D2D ports, you **CANNOT** use an interface module in D2D mode when using a SmartStart module. You must use W2VW on the interface module.

DO NOT connect the black 3-pin ESP connector to white Door Lock port on Directed systems.

3. Install the module using the following information and the wiring diagram found on this page (Note CAUTIONS during installation).

- a. **Configuration Wires:** Connect the loose gray or white configuration wire(s) to match the desired application (see table below).

MODE	GRAY WIRE	WHITE WIRE
ESP2*	No Connection	No Connection
D2D, RSR/RXT**	GND	No Connection
Autostart/AstroStart	No Connection	GND
Analog	No Connection	GND

- * Directed Analog systems for Viper, Python, Clifford, Avital and Automate.
** Directed digital systems.

- b. Connect the appropriate data connector to the correct port of the main module. For D2D RSR/RXT applications, connect the serial data cable and adapter to the Directed interface module.
c. Complete the main power connections (if required).
d. When power is connected, the module begins an initialization procedure that normally takes a little over a minute. Weak cellular coverage or con-

gestion may cause the initialization to take longer. During this procedure, progress is reported via the Orange/Green/White LEDs on the side of the SmartStart module. For ESP2 and D2D applications, you must wait until both the Orange and Green LEDs are on solid before proceeding to activate and test the device in the installation portal. For Autostart or AstroStart analog systems, only the Orange LED must be on solid (see the LED Status Chart for a description of the various LED states).

4. Verify and Activate the SmartStart module: The following steps need to be performed for the verification/activation of the Directed SmartStart module.

a. Collect Customer Information:

Customer's E-mail Address: _____

Customer's mobile phone #: _____

Record/place Module ID # here: _____

New Account: Existing Account:

- b. Log on to: www.directechs.com, and click on the SmartStart activation link.
c. Follow the on-screen directions to activate and test a SmartStart device.

The module's signal strength (RSSI) can be viewed in the activation portal after a successful transmission test.

-50 to -90 dB	= good signal strength
-91 to -100 dB	= borderline/inconsistent signal strength
> -100 dB	= weak, insufficient signal strength

- d. Set configuration for commands to match the installed application.
e. Test the SmartStart system from the website using the supplied function links.
f. To complete the activation process, assign the device to the customer account using the email address collected in step 4a. The customer will receive an e-mail that includes their account and device details, as well as any additional steps they may need to follow in order to start using their new system.

LED Status Chart

Orange LED	
Off	No cellular communication. Check connections such as module harness.
Blinking Slowly	The module is seeking cellular system communication. If no cell coverage is available the Orange LED continues to blink slowly, move the vehicle to a location with better reception.
Blinking Quickly	The module is negotiating with a cellular system.
Blink/Pause	The module is negotiating with the SmartStart server.
On Solid	Communication successfully established.
Green LED*	
Off	Communication not established with ESP or D2D compatible systems. Check connection at the ESP (Bitwriter) port or make sure SmartStart is activated in your Digital system. Once connected properly, power cycle the SmartStart and the LED will turn on.

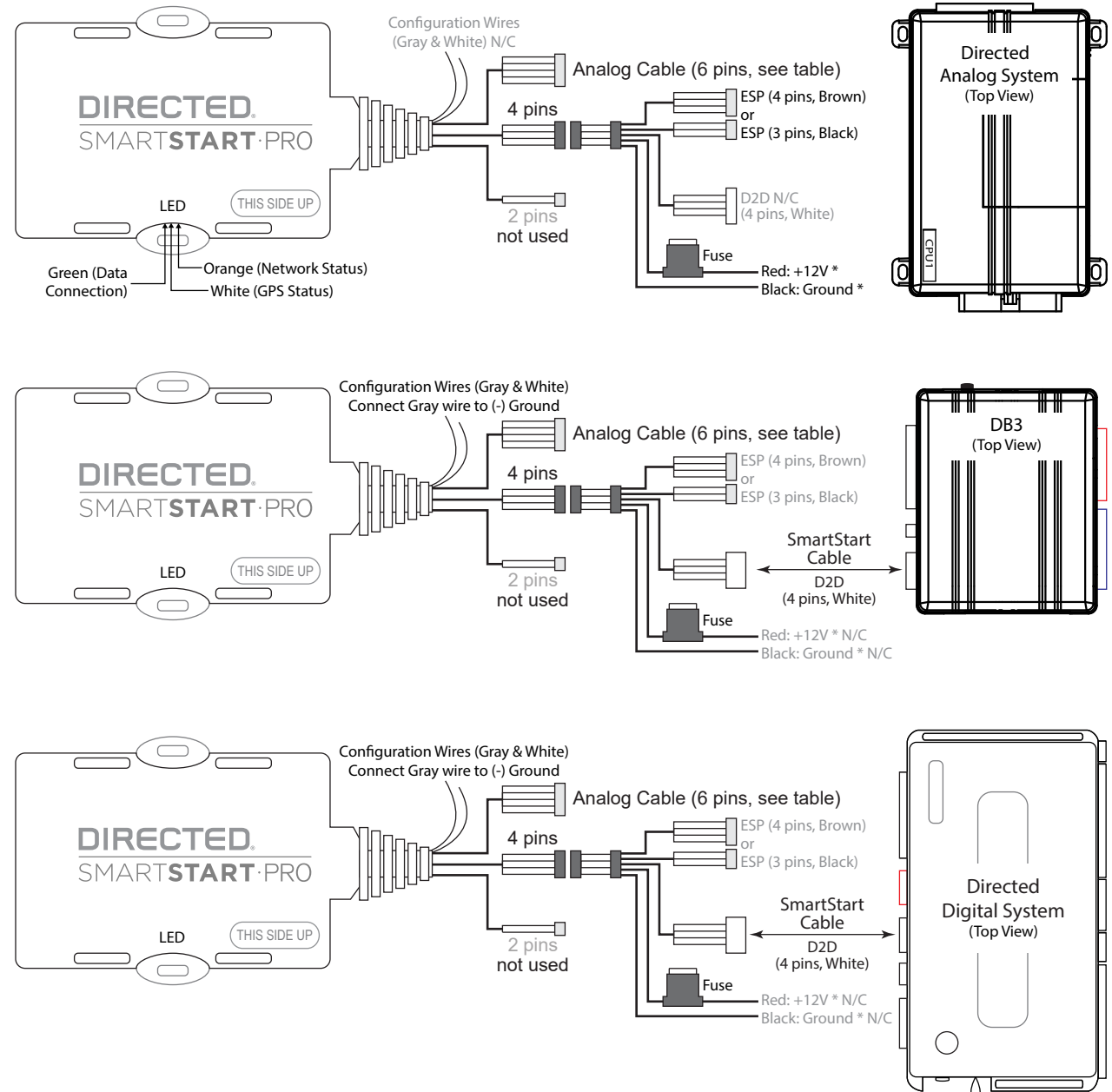
On Solid	Communication successfully established with the Directed remote start or Directed digital system.
White LED*	
Off	No GPS fix established.
Blinking	The module is seeking for GPS satellites.
On Solid	GPS fix acquired.

* The green LED does not light if connected to Autostart/AstroStart systems with pager ports, or in standalone mode.

Note (DSM550/VSM550 only): In order to save power, all three LEDs are switched to slow pulse mode after 2 hours of no activity. Also, when the device enters GPS sleep mode, all three LEDs are turned off completely. The radio remains active in that mode, but the GPS receiver is cycled to reduce power consumption. You may have to power cycle the module to check the LED status.

Note: SmartStart response time can vary depending on cellular coverage and network congestion. Operating temperature range: -40°C/-40°F to +70°C/158°F.

Wiring Schematic



* Do not connect power and ground when using SmartStart in a D2D configuration or damage may occur.

Wiring Table

6-pin Analog Output Cable		
Pin #	Wire Color	Connection/Description
1	White/Blue	(-) Remote Start Activation AUX output (200mA)
2	Brown/Black	(-) Alarm input
3	Green	(-) Lock output (200mA)
4	Blue	(-) Unlock output (200mA)
5	Red/White	(-) Trunk output (200mA)
6	Brown/White	(+) Alarm input

Notes:

- The analog output wires are only active if the device has been configured for Analog Wire mode in the installation portal.
- For Analog Wire mode, please make sure the white wire is connected to ground.

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QUICK REFERENCE GUIDE

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SMARTSTART

1. Locate your Welcome to SmartStart email, using your phone or computer.
2. Click the MySmartStart link and follow the on-screen instructions to finish activating your SmartStart system.
3. If you did not receive your Welcome email, please try the following:
 - a. Check your spam or junk mail folders
 - b. Check with your installer to make sure they entered your email address correctly
 - c. Contact Consumer Support:
 - I. By phone: 800-753-0600
(select option 3, then option 1)
 - II. Via online chat or email:
www.mySmartStart.com/ContactSupport.aspx

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System Model, Modelo del sistema, Modèle du système

User Name (email address for account)

Nombre de usuario, (dirección de correo electrónico para la cuenta)

Nom d'utilisateur (adresse courriel du compte)

www.mySmartStart.com
www.viper.com/SmartStart

QUICK REFERENCE GUIDE

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For more information and product support:

Para más información y soporte del producto :

Pour obtenir plus d'information et du soutien technique :

Toll Free: 800.876.0800
(sin cargo, sans frais)

On the Web: www.mySmartStart.com
www.viper.com/SmartStart
(en internet, sur internet)

To Download the App:

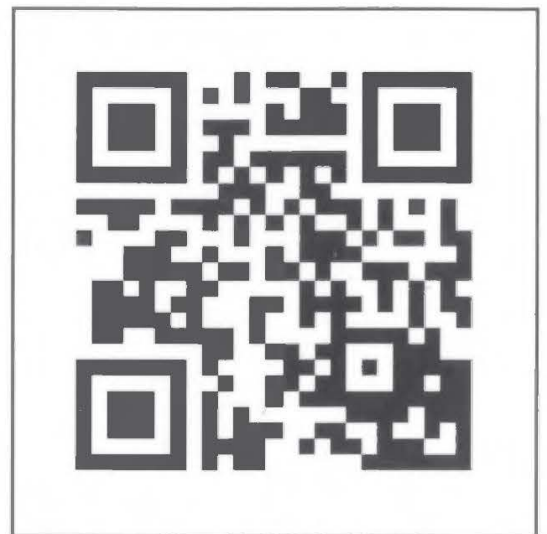
Scan the QR code or search for Viper SmartStart in your mobile app portal

Para descargar la aplicación :

Escanear el código QR o buscar Viper SmartStart en la portal de aplicación móvil

Pour télécharger l'application :

Scannez le code QR recherchez Viper SmartStart dans le portail de votre application mobile



Designed and engineered in the USA

DIRECTED.

LIMITED ONE YEAR CONSUMER WARRANTY:

For a period of ONE YEAR from the date of purchase of a Directed Electronics SmartStart remote start product, Directed Electronics ("DIRECTED") promises to the original purchaser, to repair or replace with a comparable reconditioned piece, the SmartStart remote start module (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. 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.

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.

920-10013-01 (R1.0)

Compliance statement:

Federal Communications Commission (FCC) and Industry Canada (IC) Notice

Electronic devices, including computers and wireless modems, generate RF energy incidental to their intended function and are therefore subject to FCC rules and regulations.

This equipment has been tested to, and found to be within the acceptable limits for a Class B digital device, pursuant to Part 15 of the FCC Rules and Industry Canada ICES-003. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment.

This equipment generates radio frequency energy and is designed for use in accordance with the manufacturer's user manual. However, there is no guarantee that interference will not occur in any particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are 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 the receiver.
- Consult the dealer or an experienced technician for help.

This device complies with Part 15 of the Federal Communications Commissions (FCC) Rules and with Industry Canada (ICES-003). Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

920-10014-01 (R1.0)

Warning! Safety first

The following safety warnings must be observed at all times:

Due to the complexity of this system, installation of this product must only be performed by an authorized Directed dealer.

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. WE RECOMMEND THE USER

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.

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 installer or contact Directed at 1-800-753-0600.

Before remote starting a manual transmission vehicle, please note and follow these instructions:

- Leave the vehicle in neutral and be sure no one is standing in front or behind the vehicle.
- **WARNING!** 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. OPERATING 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.