

# connected solutions



## DIRECTED® SMARTSTART

Start and control your car from virtually anywhere with your smartphone.

model  
**DSMC200**

Now your customers can remote start, lock and unlock their car just by pushing a button on their smartphone, using the SmartStart App from Directed, the leader in vehicle security and remote start. The simple graphical interface gives them complete control over all the features of their installed AstroStart remote start or combo system.

Applicable Smartphones:



## DIRECTED® SMARTSTART GPS

Start, control and **locate** your car from virtually anywhere with your smartphone.

model  
**DSMC250**

Directed SmartStart GPS lets your customers locate and control their car from almost anywhere. With features such as vehicle locator, social check in, speed alert and lockdown alert, your customers can find their car in a crowded parking lot, set speed limits, or notify friends and family of their location. They can even set a SmartFence or HotSpot alert that will notify them when their car enters or leaves a designated area.

Applicable Smartphones:



## DIRECTED® SMARTKey

Your smartphone is now your keys.

model  
**DSKC100**

You know what else your customers can do with their smartphone?

With the new Directed SmartKey system their doors lock when they walk away, and unlock when they return. No keys. No fobs. No launching apps. No hands. All that is needed is the smartphone that is already in their pocket or purse. It can't get any simpler than that. This breakthrough will grow your business and it's here today.

Applicable Smartphones:



Service plan required. Apple, the Apple logo, iPod, iPod touch, and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries. iPhone is a trademark of Apple Inc. App Store is a service mark of Apple Inc. BlackBerry is a registered trademark of Research In Motion Limited. Android is a trademark of Google Inc. Use of this trademark is subject to Google Permissions. Microsoft and Windows are the trademarks of the Microsoft group of companies.

# Advanced Technologies

## Directed SMARTSTART Compatible

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Now your customers can start, control, or locate their car from virtually anywhere, simply by using their smartphone. Adding a DSMU200 module makes any compatible Autostart remote start or remote start with security system Directed SmartStart ready. By adding a DSMU250 module, their system will also be ready for Directed SmartStart GPS.

## SST Technology

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Autostart Signature Series systems employ Spread Spectrum Technology (SST), digital frequency hopping and multiple frequency transmission to insure that if a frequency is blocked, the signal still goes through. SST also uses dual error correcting systems to combat signal data corruption and minimize signal interference. The result is rock solid range of up to 5,200 feet.

## HDR Technology

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HDR is an acronym for "High Data Rate" and is accurately descriptive of its function. Unlike most RF protocols, radio frequencies are broadcast at relatively slow speed which means that in the time it takes for a command to reach the vehicle it can be corrupted and therefore not be understood by the receiver. HDR bit transfer rate is 5 times faster than conventional RF technology and thus eliminates data transfer corruption and as a result produces far better operating range than conventional RF technology.

## Data-to-Data Technology

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D2D stands for data to data and refers to the protocols used for the data interchange at the hardware device level (module to module) and protocols for data interchange at the application program level. D2D has multiple protocols at each layer in the communication exchange that both ends of the exchange must recognize and observe. This ensures that all of the data is accurately transmitted and received and even includes and check sum validation sequence.

## HDX Technology

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HDX technology software is made to give the fastest confirmation of two-way systems by virtually operating in full duplex mode. Its great advantages are the user friendliness of the transmitter's operation, fast response time and the maximization of the transmitter's effective range.

## FM Technology

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FM is a transmission medium well-known for its better immunity to noise and interference than the AM transmission. FM provides a more stable communication of digital signals, therefore allowing better range, even in the worst environment. This is why Autostart engineering team has developed a line of two-way systems that strictly use FM signals, and extended the line of unidirectional models to include FM technology as well.

## Monopole Antenna

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The shorter length, higher gain and faster installation times make monopole antennas an ideal choice for mobile communications.

## Virtual Tach System

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Virtual Tach System combines the latest microcontroller technology and a complex algorithm that took Autostart years to develop. VTS is able to effectively monitor the engine starting sequence and release the starter at the right time without physically connecting the Tach wire of the remote starter to the vehicle. The VTS constantly monitors the data and readjust itself automatically in order to maximize its capability to start the engine properly in any weather or deteriorating battery condition.

## Programmer Ready

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Installations and diagnostics made easy with a fast and simple connection to the car starter via the antenna cable. This allows quick programming of all functions, options, tach and transmitters. There's also a built-in diagnostic tool and CAN-ready OBD2 code eraser.

## Built-In Basic Alarm System

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Add vehicle protection with simple and easy connections. Using the door and hood switches along with ignition sense as alarm triggers; if tripped, the factory horn will act as an audible deterrent.

## All-In-One Manual/Automatic Transmission Remote Starter

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By default, the remote control car starters are for manual transmission but can be changed very easily, at the moment of installation, into automatic transmission remote control car starters.

## Autostart's 2-year extended warranty



All Autostart brand 2-way transmitters come with an industry-leading 2-year extended warranty. For complete details, please visit [www.autostart.ca](http://www.autostart.ca).



# High Performance

remote start and security systems™



# redefining the ultimate control

Autostart's elegant Signature Series transmitters mark a giant leap forward in 21st century vehicle security and remote start, and an evolutionary milestone for the keychain remote. These are Autostart's thinnest, most advanced 2-way remote controls ever, with a clean sleek ergonomic industrial design, made to fit the user's hand comfortably, enabling effortless and intuitive single-handed operation.

These Signature Series transmitters use Spread Spectrum Technology (SST), digital frequency hopping and multiple frequency transmission to assure that if a frequency is blocked, the signal still goes through.

With FM modulation, solidly proven to be the best transmission medium that Autostart has mastered, the Signature Series allows for over 5,200 feet of range!



*Signature*  
series

## model AS-2481TWS

2-Way LCD Remote Start with up to 5,200 feet of range\*

- 2-way, 5-button SST LCD transmitter
- Status via alphanumeric and iconic LCD display
- Monopole antenna with bright-blue LED
- Multi-vehicle operation
- Three auxiliary outputs



### ADVANCED TECHNOLOGIES:

- Directed SmartStart Compatible
- SST Technology
- HDR Technology
- Data-to-Data Technology
- HDX Technology
- FM Technology
- Virtual Tach System
- Programmer Ready
- Built-in Basic Alarm System
- All-in-One Manual/Automatic Transmission Remote Starter

## model AS-6880TWS

2-Way LCD Remote Start and Security with up to 5,200 feet of range\*

- 2-way, 5-button SST LCD transmitter
- Status via alphanumeric and iconic LCD display
- Dual Stage electronic shock sensor
- Miniature 110db 6 tone siren
- Built-in rechargeable battery
- Multi-vehicle operation
- Two auxiliary outputs



### ADVANCED TECHNOLOGIES:

- Directed SmartStart Compatible
- SST Technology
- Data-to-Data Technology
- FM Technology
- Virtual Tach System
- Programmer Ready
- Built-in Basic Alarm System
- All-in-One Manual/Automatic Transmission Remote Starter

## model AS-2805DTW

DIGITAL 2-Way LCD Remote Start and Security with up to 5,200 feet of range\*

- 2-way, 5-button SST LCD transmitter
- 1-way, 5-button companion transmitter
- Complete Digital Series system installation kit



### DIGITAL SERIES INSTALLATION KIT INCLUDES:

- Autostart Digital System Module
- Satellite Relay Pack
- IVU Control Center
- Toggle Switch
- Hood Pin
- All Wiring Harnesses
- Owner's Guide

**AUTOSTART™**

# remote start systems

## model AS-1780

1-Way Remote Start with  
up to 3,000 feet of range\*

- Two 1-way, 5-button Super Slim transmitters
- Monopole antenna with bright-blue LED
- Three auxiliary outputs
- Multi-vehicle operation



## model AS-2381TW-FM

2-Way LED Remote Start with  
up to 4,000 ft of range\*

- 2-way, 5-button FM LED slim transmitter
- Audio/Visual command confirmation
- Monopole antenna with bright-blue LED
- Three auxiliary outputs
- Multi-vehicle operation



### ADVANCED TECHNOLOGIES:

- Directed SmartStart Compatible
- HDR Technology
- Virtual Tach System
- Programmer Ready
- All-in-One Manual/Automatic Transmission Remote Starter

### ADVANCED TECHNOLOGIES:

- Directed SmartStart Compatible
- HDR Technology
- Data-to-Data Technology
- HDX Technology
- FM Technology
- Virtual Tach System
- Programmer Ready
- Built-in Basic Alarm System
- All-in-One Manual/Automatic Transmission Remote Starter

# digital series systems

## Directed Databus Interface

### Digital Platform

No longer a separate standalone module, DBALL2 technology is built right in!



## Remote Start & Security System

### Analog Platform

Full featured systems with less wiring, fewer parts, and faster installation times!



## Autostart Digital Series

### Universal Analog & Digital Platform

The best of both worlds, brought together in a sleek and elegant new system.

## the true convergence of security, remote start and interface is finally here

- Merges digital and analog technologies into a new universal platform
- Build any system for any vehicle
- Directed SMARTSTART compatible
- Satellite relay pack
- Supports 1800+ vehicles
- Flashable and upgradeable
- Fast and easy PC-based programming with the new CONFIG WIZARD

Autostart digital series remote start systems include every component needed for a complete installation

model

## AS-2650D

DIGITAL 1-Way FM Remote Start with up to 3,000 feet of range\*

- Two 1-way 5-button FM transmitters
- Monopole antenna with bright-blue LED
- Three auxiliary outputs
- Multi-vehicle operation
- Directed SmartStart compatible
- Complete Digital Series system installation kit



model

## AS-2700DTW

DIGITAL 2-Way LED Remote Start with up to 5,200 feet of range\*

- 2-way, 5-button FM LED transmitter
- 1-way, 5-button companion transmitter
- Monopole antenna with bright-blue LED
- Three auxiliary outputs
- Multi-vehicle operation
- Directed SmartStart compatible
- Complete Digital Series system installation kit



### DIGITAL SERIES INSTALLATION KIT INCLUDES

- Autostart Digital System Module
- Satellite Relay Pack
- IVU Control Center
- Toggle Switch
- Hood Pin
- All Wiring Harnesses
- Owner's Guide



## spice up your life with a new color transmitter case



A perfect fit for your Autostart 2-way, 5-button transmitter models AS-2382TWU and AS2700DTW Available in 6 different colors!

\*Range based on line of sight, unobstructed testing in ideal conditions. Actual range will vary due to local conditions including but not limited to environment, terrain, physical obstructions, vehicle location and orientation, interference and other possible impediments.