iDatastart

HC3

OWNER'S MANUAL

WELCOME TO IDATASTART

Congratulations on the purchase of your iDataStart HC3 remote start system. Please take a moment to review the following table of contents to help you quickly access the information you need.

Headquartered in Montreal, Canada, Automotive Data Solutions Inc. (ADS) is a privately held company specialized in the development and marketing of remote start and audio integration solutions destined for the automotive aftermarket. ADS' award-winning products (marketed under the iDatalink®, iDatalink Maestro® and iDataStart® brands) are sold and installed through a network of Authorized Dealers across North America, South America, Europe and Russia. For more information about ADS' products and services, visit **www.adsdata.ca**.

REMOTE OVERVIEW

Your iDataStart HC3 remotes can be programmed in one of three configurations listed below. Please take a moment to familiarize yourself with their general features.

Remote model	TR3450AF		
Buttons	5		
FLEX configuration	FLEX 1W	FLEX 2W	FLEX 2WX
Communication / Range	1-Way / Half-Mile*	2-Way / Half-Mile*	2-Way / 1-Mile*
Range upgrade options	FLEX 2W or 2WX	FLEX 2WX	--
Transmit confirmation (TX)	Red Top LED	Orange Top LED	Amber Top LED
Receive confirmation (RX)	--	Amber Button LED + Chime	Amber Button LED + Chime
Batteries required	1 x CR2450		
Avg. battery Life	15-20 months	10-15 months	8-15 months
Warranty	1 year		

*Maximum range listed. May vary by location.

REMOTE FUNCTIONS & CONFIRMATIONS

Thanks to their multiplexing technology, iDataStart HC3 remotes offer over 30 functions using only 5 buttons. In order to get the most out of your remotes, please take a moment to get acquainted with the following functions:

NOTES:

1. Available functions must be enabled by an Authorized Dealer during installation to be functional on remote
2. Non-highlighted icons = Press & release button
3. Highlighted (grey) icons = Press & hold button for 2.5 seconds
4. Coma (,) between icons = Press buttons one after the other
5. Plus (+) between icons = Press buttons simultaneously
6. Timeout between each button press = 3 seconds
7. Function* = Available in 2nd Car Mode
8. Confirmations are only available with FLEX 2W and FLEX 2WX remote configurations.

BUTTON(S)	FUNCTION	CONFIRMATION (2-WAY ONLY)	FUNCTION DESCRIPTION
	Lock & Arm*	1 chime + 1 flash	Secure your vehicle by locking the doors and arming the alarm.
	Unlock & Disarm*	2 chimes + 2 flashes	Access your vehicle by unlocking the doors and disarming the alarm.
	--		
	Query*		
	Panic*	1 chime + 1 flash	Trigger the panic siren.
	AUX 5*		To be completed by Authorized Dealer if applicable
	Trunk Release		Release the trunk or hatch.

BUTTON(S)	FUNCTION	CONFIRMATION (2-WAY ONLY)	FUNCTION DESCRIPTION
	Engine Start/ Stop*	4 chimes + 4 flashes (Button LEDs will also flash intermittently while engine is running)	Start and stops the engine.
,	AUX 1		To be completed by Authorized Dealer if applicable
,	AUX 2		To be completed by Authorized Dealer if applicable
,	AUX 3		To be completed by Authorized Dealer if applicable
,	AUX 4		To be completed by Authorized Dealer if applicable
, , *	2nd Car Mode		Control two iDataStart-equipped vehicles using one remote. Works with all functions marked with an asterisk (*).
,	Silent Lock*		Disable the vehicle's horn and alarm siren when pressing the 'Lock' button.
,	Silent Unlock*		Disable the vehicle's horn and alarm siren when pressing the 'Unlock' button.
, +	Valet Mode ON/OFF	1 chime ON 2 chimes OFF	Turn off remote start and security features when servicing your vehicle or valet parking. Keyless entry features remains functional.
,	Runtime Extend		Seamlessly extends your engine runtime without restarting your vehicle.
, +	Mute ON/OFF	1 chime ON 2 chimes OFF	Disable the vehicle's horn and alarm siren even when alarm is triggered. Remote will still receive alarm notification.
, +	Shock Sensor ON/OFF	1 chime ON 2 chimes OFF	Disable shock sensors if installed.

BUTTON(S)	FUNCTION	CONFIRMATION (2-WAY ONLY)	FUNCTION DESCRIPTION
	Ignition Lock ON/OFF	1 chime ON 2 chimes OFF	Automatically locks doors when engine is running.
	Passive Lock & Arm ON/OFF	1 chime ON 2 chimes OFF	Automatically locks & arms your vehicle 60 seconds after you unlock it.
	Turbo ON/OFF	1 chime ON 2 chimes OFF	Cool down your turbo before turning the engine off. Programmable runtime from 1 to 4 minutes.
	Weather Start ON/OFF	1 chime ON 2 chimes OFF	Set your vehicle to automatically remote start every 2, 3 or 4 hours (programmable) or from a temp. sensor sold separately.
	Lock Remote	1 chime + 1 flash	Disable all functions on your remote. Pressing a button will generate 6 chimes + 6 flashes. Available with 2-way remote only.
	Unlock Remote	2 chimes + 2 flashes	Enable all functions on your remote. Available with 2-way remote only.
	Mute Remote ON/OFF	1 chime ON 2 chimes OFF	Disable the chime when pressing any button on your remote. Available with 2-way remote only.

PROGRAMMING A NEW REMOTE

Are you replacing a lost or damaged remote or simply adding an extra remote to your iDataStart system? Please take note of the following:

1. A functional iDataStart HC3 system must already be installed in your vehicle.
2. All new remotes must be installed by an iDataStart HC3 Authorized Dealer.
3. A maximum of 4 remotes can be programmed to your iDataStart system. Ask your iDataStart HC3 Authorized Dealer for compatible remotes.

UPGRADING YOUR FLEX REMOTE CONFIGURATION

Want to upgrade the confguration of your iDataStart HC3 remotes? Please take note of the following:

1. A functional iDataStart HC3 system with FLEX 1W or FLEX 2W remote configuration must already be installed in your vehicle.
2. All upgrades must be programmed by an iDataStart Authorized Dealer. Upgrade fees will apply.

REPLACING REMOTE BATTERIES

Follow the steps below to replace the batteries in your iDataStart HC3 remotes OR scan the QR code below to view a video tutorial.

1. Insert a 25 cent coin into the hollow (bottom left) corner of your iDataStart remote.
2. Gently twist the coin and move it along the seam until the casing pops open.
3. Use your coin to pry open the rest of the case perimeter.
4. Slide the old battery out of its enclosure and replace with the new battery.
5. Snap top and bottom casings back together using your hands.

http://q-r.to/1h9x

REMOTE STARTING FROM FACTORY KEY FOB

Available on most vehicles, your iDataStart HC3 system can enable remote start functionality from your factory key fob as follows:

BUTTON	PRESS	FUNCTION
🔓	3x rapidly	Start engine
🔓	3x rapidly	Stop engine

Remote start range will vary by key fob. Ask your iDataStart HC3 Authorized Dealer for details.

ADJUSTING ENGINE RUNTIME SETTINGS

Once remote started from your factory key fob or long-range remote, your vehicle will run for the programmed 'runtime' setting. The default runtime is 15 minutes but it can also be programmed for 3, 5, 10, 25, 30 or 35 minutes. If you wish to change your remote start runtime setting, contact your iDataStart Authorized Dealer.

KEY TAKEOVER FOLLOWING REMOTE START

Available on some vehicles, the 'key takeover' procedure ensures that your engine does not turn off when entering the car during the remote start runtime, following a remote start command. Follow the instructions below or scan the QR code to view a video tutorial.

For Standard Key Vehicles

1. Unlock and enter vehicle
2. Close doors
3. Insert key into ignition and turn ignition to ON position
4. Press foot brake

http://q-r.to/2ixD

For Push-To-Start Vehicles

1. Unlock and enter vehicle with valid smartkey
2. Close doors
3. Press foot brake

http://q-r.to/2iwz

NOTE: To prevent your vehicle from shutting down, complete the steps above within the programmed delay time (45 seconds, 90 seconds, 3 minutes or 4 minutes). Key takeover procedure may vary by vehicle, ask your iDataStart HC3 Authorized Dealer for deatails.

WHEN SERVICING YOUR VEHICLE

To ensure safety during vehicle servicing, the remote starter must be placed in 'Valet Mode'. The 'Valet Mode' will disable remote start functionality. To activate or deactivate the 'Valet Mode', follow the instructions below or scan the QR codes to view a video tutorial.

With Vehicle Key

FUNCTION	ACTION	# OF PARKING LIGHT FLASHES
Valet Mode ON	Cycle ignition OFF/ON 2x rapidly, then press brake 3x. http://q-r.to/2aDQ	1
Valet Mode OFF		2

With iDataStart Remote

FUNCTION	ACTION	# OF PARKING LIGHT FLASHES
Valet Mode ON	Turn ignition ON, then press , + http://q-r.to/244h	1
Valet Mode OFF		2

With iDataStart Antenna

FUNCTION	ACTION	# OF LED & PARKING LIGHT FLASHES
Valet Mode ON	Turn ignition ON, then press & hold button for 5 seconds http://q-r.to/1pmn	1
Valet Mode OFF		2

REMOTE START TROUBLESHOOTING

If your iDataStart HC3 remote fails to start the vehicle, the parking lights* will flash three times immediately, then flash a number of times according to the errors below:

# OF PARKING LIGHT FLASHES	DIAGNOSTIC	SOLUTION
3 + 1	Engine is already running	Turn engine OFF
3 + 2	Key in ignition at ON position	Remove key from ignition
3 + 4	Trunk is open	Close trunk
3 + 5	Foot brake is ON	Release foot brake
3 + 6	Hood is open	Close hood
3 + 8	Tach failure	Contact Authorized Dealer
3 + 10	System is in Valet Mode	Exit Valet Mode
3 + 11	CAN communication failure	Contact Authorized Dealer

NOTE: Parking lights must be connected at installation to enable troubleshooting flashes. Ask your Authorized Dealer for details.

VEHICLE SHUTDOWN TROUBLESHOOTING

If the remote start sequence has been completed and the vehicle shuts down, the vehicle's parking lights will flash 4 times immediately, then flash a number of times according to the errors below:

# OF PARKING LIGHT FLASHES	DIAGNOSTIC	SOLUTION
4+1	No engine rev detected	Turn ignition ON before trying to remote start
4+3	Foot brake detected	Release foot brake
4+4	Hood open detected	Close hood
4+5	Engine revving over 3000 RPM	Check your accelerator pedal
4+6	Glow plug error	Contact Authorized Dealer
4+7	Vehicle speed sensor error	Contact Authorized Dealer
4+8	'Check Engine' light detected	Clear 'Check Engine' code
4+9	Low fuel detected	Add fuel
4+10	Door open detected	Close door
4+11	CAN communication failure	Contact Authorized Dealer
4+13	Key takeover not allowed	Key fob not detected OR Takeover procedure not completed correctly OR takeover is not available for your vehicle
4+14	Module overheat protection	Contact Authorized Dealer

LIMITED LIFETIME WARRANTY

Automotive Data Solutions Inc. ("ADS") warrants to the original purchaser of the iDataStart product that the following components product shall be free of defects in material and workmanship under normal use and circumstances:

Control module and installation harnesses
For as long as the original purchaser owns the vehicle in which it was originally installed.

Remote transmitters and antenna
For the period of one (1) year from the date of original installation.
Excludes battery replacement.

In the event of any product malfunction during the Warranty period, the original purchaser must return to the Authorized Dealer where it was originally purchased with the original proof of purchase. If a malfunction is detected, the Authorized Dealer will elect to repair or replace the product at its discretion. Labor costs may be applicable and are at the discretion of the Authorized Dealer.

THE LIMITED LIFETIME WARRANTY IS AUTOMATICALLY VOID IF:

- An original proof of purchase is not provided when servicing the product during the warranty period;
- The date code and/or serial number is defaced, missing, or altered;
- The iDataStart product is transferred to another vehicle;
- The vehicle in which the product was originally installed is transferred to a new owner.

ADS is not responsible for any damages whatsoever, including but not limited to any consequential damages, incidental damages, damages for loss of time, loss of earnings, commercial loss, loss of economic opportunity and the like that may or may not have resulted from the installation or operation of an iDataStart product.

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

   (1) This device may not cause harmful interference.

   (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, 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 reception, 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.

SAR INFORMATION STATEMENT

Your wireless CAR ALARM (TWO WAY) is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless CAR ALARM (TWO WAY) employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 4.0 W/kg. Tests for SAR are conducted with the CAR ALARM (TWO WAY) transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the CAR ALARM (TWO WAY) while operating can be well below the maximum value.
This is because the CAR ALARM (TWO WAY) is designed to operate at multiple power levels so as to use only the power required to reach the network.

In general, the closer you are to a wireless base station antenna, the lower the power output. Before a CAR ALARM (TWO WAY) model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model CAR ALARM (TWO WAY) when tested for use at the extremity is 0.030W/Kg.

While there may be differences between the SAR levels of various CAR ALARM (TWO WAY) and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model CAR ALARM (TWO WAY) with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model CAR ALARM (TWO WAY) is on file with the FCC and can be found under the Display Grant section of **http://www.fcc.gov/oet/fccid** after searching on FCC ID 2AEPJ-TR3450AF. Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA)
website at http://www.wow-com.com.*

n the United States and Canada, the SAR limit for CAR ALARM (TWO WAY) used by the public is 4.0 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

This device complies with FCC and ISED 10-g extremity SAR requirements when the device is used at 0 mm separation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC STATEMENT

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). These requirements set a SAR limit of 4.0 W/kg, averaged over one gram of tissue.

The highest SAR value reported under. This standard during product certification for use when properly test at the extremity is 0.030W/kg.

Le présentappareilestconforme aux CNR d'Industrie Canada applicables aux
appareils radio exempts de licence. L'exploitationestautorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareildoit accepter tout brouillageradioélectriquesubi, mêmesi le brouillageest susceptible d'encompromettre le fonctionnement.
Cetéquipementestconforme aux limitesd'exposition aux rayonnements de la IC définies pour un environnement non contrôlé.
L'utilisateur final doit respecter les instructions de fonctionnement
spécifiques pour satisfaire la conformité aux expositions RF. Cetémetteur ne doit pas être co-localiséesouopérant en conjonction avec uneautreantenneouémetteur.
L'appareil mobile estconçu pour répondre aux exigences en matièred'exposition aux ondes radio établies par la Federal Communications
Commission (Etats-Unis). Cesexigencesdéfinissent la valeur SAR limite à 4.0 W/kg, en moyenne pour un gramme de tissu.La valeur SAR la plus élevée pour cemodèled'alarme de voiture (deuxvoies) lorsqu'ilesttesté pour uneutilisation à l'extrémitéest de 0.030W/ Kg
Cetappareilrespecte les exigences de 10 g extrémité SAR FCC et ISED lorsquel'appareilestutilisélors de la séparation de 0 mm.

CAN ICES-3 (B)/NMB-3(B)

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CUSTOMER SUPPORT: 866.427.2999 / **WWW.IDATASTART.COM**

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