



Owner's Guide



**Advanced LED 2-Way
Remote Car Starter**

**For Automatic &
Manual Transmission
Vehicles**



POWERED BY
TITAN
INNOVATIONS



Revision 2.01

www.titaninnovations.ca

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About Us

Titan Innovations Ltd is a Canadian company dedicated to quality, service, and integrity. Titan products are designed by Canadians for Canadian climates. Titan products are guaranteed to be built to the highest specifications using only quality components that have been tested extensively under extreme conditions. This ensures that the customer is receiving only the most reliable and innovative product available.

Thank You



Thank you for your purchase of this product. Any product designed and manufactured by Titan Innovations is guaranteed to provide you years of trouble-free service. Your Titan Remote Starter or Remote Starter / Security System has been developed for your peace of mind and safety. It has been designed to provide you with the latest in technology, combined with ease of use.

Important Safety Notes!



CARBON MONOXIDE POISONING:

The owner/user **MUST INSTALL** a **CARBON MONOXIDE DETECTOR** in the living area near to where the vehicle is being stored or parked. It is the sole responsibility of the owner/user to keep the remote transmitters away from the reach of children and handle with care so that the system does not unintentionally start. When the vehicle is parked in an enclosed/partially enclosed area (for example: a garage or car port), being serviced, or if the vehicle is loaned to an operator not familiar with a remote starter, the system **MUST BE placed in Service (Valet) Mode.**

NEVER OPERATE THE SYSTEM IN AN ENCLOSED/PARTIALLY ENCLOSED AREA!

HYBRID REMOTE STARTERS FOR AUTOMATIC AND MANUAL TRANSMISSION STARTERS:

The installation of a remote starter **MUST BE DONE ONLY** with a specified remote starter. Hybrid Remote Starters have both an automatic transmission and manual transmission mode. It is the responsibility of the vehicle's operator to insure that:

(a) when the remote starter is in use with a vehicle equipped with a manual transmission, the transmission remain in **NEUTRAL POSITION ONLY.**

(b) when the remote starter is in use with a vehicle equipped with an automatic transmission, the transmission remain in the **PARK POSITION ONLY.**

It is the sole responsibility of the operator of the vehicle to insure the transmission positions described herein are maintained at any time the remote starter is in use. In no case shall the manufacturer or Titan be liable for any damages of any kind whatsoever including but without limited to damages for personal injury or loss of life arising by virtue of a remote starter being used when the transmission of the vehicle in question is not set as mandated herein.

Battery Replacement

When your remote starter system begins to show a significant reduction in transmitter range, or the remote does not respond correctly, it may be time to change the batteries. The transmitter uses 2 - CR2032 - 3 Volt Lithium batteries. To change batteries, this is the procedure:

1. Open the transmitter at the notch in the casing near the pin for the keychain (Use a small tool or a coin to gently pry the top and bottom of the casing apart).
2. Once the top and bottom case are separated, slide out the 2 batteries under the battery clip.
3. Replace with 2 new CR2032 Lithium batteries.
4. Press top and bottom casing together (make sure to put keychain assembly in between cases) until they snap back into place.

If the transmitter shows no significant improvement after replacing the batteries, contact your Titan dealer to have your system inspected.

Titan-Secure



“Titan-Secure” is a security feature that is built-in to every Titan Data Series remote starter. Activating this feature will require some extra installation and/or parts. You can also add a siren and starter disable to your system. This will give you the added security of an OEM style “Content Security” system in your vehicle and will provide you with protection of your personal items in your vehicle much like the factory content security systems in use on many vehicles today. Once installed, it will provide you with door-pin and hood-pin coverage and also monitor your ignition. Once armed, if your doors or hood are opened, or if someone is attempting to hot-wire your vehicle, your horn or siren will sound. If you purchased a 2-Way Remote Starter system, it will also page to your transmitter. It is as easy to use as locking and unlocking your doors. No shock sensor false alarms; no other hassles; no other worries. “Titan-Secure” is that easy! Consult your Titan Dealer for more information on “Titan-Secure”.

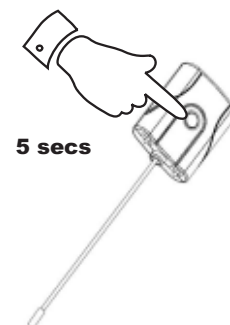
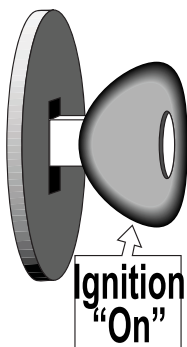
Valet or Service Mode



Valet or “Service” Mode will disable the remote start and/or Titan-Secure features of the system. The optional Lock, Unlock and Trunk Release features will still be operational. When the vehicle is to have any “under hood” or service work done, the system must be placed into Service Mode. This feature may also be used if a transmitter is lost, damaged, or if the system malfunctions.

ATTENTION:

TO AVOID SERIOUS INJURY, this remote start system must be set into Service Mode before any under hood servicing is started. Service Mode will prevent the vehicle from starting while the vehicle is being serviced. It is the sole responsibility of the vehicle’s owner to place the system into Service Mode. The manufacturer accepts no responsibility for accidental starting of the vehicle while the vehicle is being serviced.



Valet or Service Mode cont.



ENTERING SERVICE MODE:

1. Turn the ignition key to the On position.
2. Press and hold the Program Button (located on the antenna (center of windshield)) for 5 seconds or until the horn/siren (optional) honks **five** times.

Note: The LEDs on the antenna will turn on solid to confirm Service Mode. If the Start button is pressed when the vehicle is in service mode, the park lights will flash slowly 3 times and the vehicle will not start.

EXITING SERVICE MODE:

1. Turn the ignition key to the On position.
2. Press and hold the Program Button (located on the antenna (center of windshield)) for 5 seconds or until the horn/siren (optional) honks **two** times.

Note: The LEDs on the antenna will turn off and the remote starter/security functions will be re-enabled.

TX Button Functions (Basic)



T85RC
2-Way Transmitter



T85SRC
1-Way Transmitter

ACTION	FUNCTION
Press Lock Button Once For Less Than 2 Seconds	Locks Doors and Arms Titan-Secure (If installed)
Press Unlock Button For Less Than 2 Seconds	Unlocks Doors and Dis-Arms Titan-Secure (if installed)
Press Unlock Button For More Than 2 Seconds	Activates Trunk Release (if installed) (will also unlock doors)
Press Start Button Once For Less Than 2 Seconds	Activates Remote Starter - Push Again to Shut Off - Also does Idle Mode If Running With Key
Press Function Button Once For Less Than 2 Seconds	Activates Turbo Timer Mode (engine must be running)
Press Status Button Once For Less Than 2 Seconds	Indicates Status of Vehicle

TX Button Functions (Advanced) POWERED BY TITAN INNOVATIONS



T85RC
2-Way Transmitter



T85SRC
1-Way Transmitter

ACTION	OPERATION
Press Lock Button For More Than 2 Seconds	Activates Panic Function - Horn/Siren will sound for 60 sec.
Press Function Button Once Then Press & Hold Start For 3 Seconds	Sets Remote Timer Start Mode On/Off
Press Function Button Once Then Press Lock For Less Than 2 Secs	Long Lock Function (Can be set for 15 or 30 sec. or Latched)
Press & Hold Start Button For More Than 2 Seconds	Aux Function #1
Press & Hold Function Button For More Than 2 Seconds	Aux Function # 2

2-Way Confirmation



Whenever a command is sent to the vehicle by the transmitter, a confirmation is sent back using button flashes and beeps. Use the table below to identify the confirmation for all the different system functions.

Function	Button 1	Button 2	Button 3	Button 4	Button 5	Beep(s)
Lock (& Arm Titan-Secure)	3 Flashes	X	X	X	X	1
Unlock (& Disarm Titan-Secure)	X	3 Flashes	X	X	X	2
Trunk Release	X	X	X	3 Flashes	X	3
Start	X	X	1 Flash	X	X	1
Vehicle Running	On For 4 Seconds	X	X	X	X	6
Stop	X	X	X	X	5 Flashes	5
Activate Cold Start Timer	On For 3 Seconds	On For 3 Seconds	On For 3 Seconds	On For 3 Seconds	X	1

Checking Vehicle Status



A Status check will tell you if your vehicle's doors are locked or unlocked, or if the vehicle is running and if so, approximately how much runtime is left.

To see vehicle status: Press and release the Status button.

Observe the transmitter's response and use the tables below to determine the vehicles' status.

1. The first flash will indicate the Door Status (Locked or Unlocked)

Status	Button 1	Button 2	Beep(s)
Doors Lock (System Armed)	On For 3 Seconds	x	1
Doors Unlocked (System Disarmed)	x	On For 3 Seconds	2

2. If the vehicle is running by remote starter, a second set of flashes will occur a few seconds later. This indicates approximate runtime left.

Runtime Remaining	Button 1	Button 2	Button 3	Button 4	Beep(s)
75% - 100%	On	On	On	On	3
50% - 75%	x	On	On	On	3
25% - 50%	x	x	On	On	3
0% - 25%	x	x	x	On	3

Basic Features



Lock:

Pressing the Lock button for less than two seconds will lock your doors. Park lights will flash once and if your horn is hooked up or optional siren is installed, you will hear one honk/chirp. LEDs located on your antenna will flash slowly. If you have Titan-Secure enabled, locking the doors will also arm your security system. If starter disable is installed, it will also activate at this time. These features require extra install and/or parts. Consult your Titan dealer.

Panic Mode:

Pressing the Lock button for more than two seconds will activate Panic mode. If your vehicles horn or a siren is connected to your system, it will honk your horn/siren for 60 seconds or until you push and hold the Lock button again.

Basic Features cont.



Unlock:

Pressing the Unlock button for less than two seconds will unlock your doors. Park lights will flash twice and if your horn is hooked up or optional siren is installed, you will hear two honks/chirps. LEDs located on your antenna will go out. If you have Titan-Secure enabled, unlocking the doors will also dis-arm your security system. If starter disable is installed it will also de-activate at this time.

Trunk Release:

Pressing the Unlock button for more than two seconds will activate Trunk release. If you have this option installed, when activated, this function will first unlock the doors, disarm any security and then open your trunk. Your park lights will flash 3 times. This feature requires extra installation and/or parts. Contact your Titan Dealer for more information.

Basic Features cont.



Start:

Pressing the Start (*) button for less than two seconds will activate the “Remote Start” process. If the horn/siren is hooked up, you will one horn honk and one park light flash, then the vehicle will start. The park lights then flash 5 times and stay on. The vehicle will run its programmed run time and shut down. When the vehicle shuts down, the park lights will flash twice and horn/siren will chirp twice. Run times are adjustable for preset times of 4, 15, 30, and 45 minutes. The default run time is 15 minutes. This run time can easily be adjusted by your Titan dealer.

When the vehicle is running with the remote start, pressing the Start button again for less than two seconds will shut off the remote starter.

Basic Features cont.



Idle Mode:

When the vehicle is running with the key, pressing the Start button will activate Idle Mode. Idle Mode is useful for times where you may want to leave your vehicle running without leaving the keys in the ignition, such as popping into a convenience store. With the vehicle running with the keys in the ignition, and the transmission in Park, just press the Start button, making sure not to push on the brake. Your park lights will flash twice and horn/siren (optional) will chirp twice. You can remove your keys and the vehicle will stay running. You can exit the vehicle and use your remote to lock your doors. If you are away from your vehicle longer than your programmed remote starter run time, the vehicle will automatically shut down. Just make sure to shut your lights off if you had them on.

Basic Features cont.



Turbo Timer Mode:

If your vehicle is equipped with a Turbo(s), it may be required to be cool down the Turbo(s) before shutting off the vehicle. Consult your owner's manual or check with your dealer for more information. To activate Turbo Timer, with the vehicle running by key, ensure the transmission is in Park. Make sure to keep your foot off the brake and **press the Function button once for less than 2 seconds**, and the remote starter will take over. You can remove your keys, exit the vehicle, and lock your doors. The remote starter will keep the vehicle running for 2 minutes and then shut off by itself allowing your Turbo(s) to cool down.

Text Start:



This unit is "TEXTSTART®" READY. This unit is fully compatible with Titan's new SMS "Text Messaging" systems. This new advanced technology allows you to control and monitor your vehicle from your cellular phone.

Advanced Features



Silent Arm/Disarm:

If you have Titan-Secure Security features installed and enabled, you may want to silently Arm/Lock and Disarm/Unlock your vehicle. If so, **press the Lock & Unlock buttons together for less than 2 seconds.** This button combination is always a temporary function and will toggle Silent Arm/Lock and Silent Disarm/Unlock. If you push Lock or Unlock separately, your unit will function with normal honks/chirps again.

Cold Timer Mode:

Pressing the Function (#) button once and then press and hold the Start (*) button for 3 seconds will activate or deactivate the Cold Timer Start function. This function is useful if you cannot plug in your vehicle in extremely cold weather. If this feature is turned on, the vehicle will start and run for the preset run time every 1, 2, 3, or 4 hours for a 24 hour period. To turn on the Cold Timer Start, push the

Advanced Features cont.



Cold Timer cont:

Function (#) button once and then press and hold the Start (*) button for 3 seconds. The park lights will come on. Once the park lights are on, you have five seconds to set the delay time between cold timer starts. Press the following buttons to set your delay for the following times:

Lock Button	-	1 Hour
Unlock Button	-	2 Hours
Start Button (*)	-	3 Hours
Function (#)	-	4 Hours

When you press one of these buttons the park lights will flash the corresponding number of flashes to confirm your setting. Your Cold Timer Start is now turned On.

To turn off Cold Timer Mode, just press the Function then Start buttons together again. The park lights will flash twice and horn/siren will chirp twice to confirm the feature is turned off. This feature will also turn off by turning on ignition with the vehicles key.

Advanced Features cont.



Auxiliary Output #1:

This output can be used to control auxiliary functions such as sliding doors or other functions requiring a momentary input. To activate this output, **press the Start button for more than 2 seconds**. On certain vehicles with sliding doors, there may be an Unlock pulse required opening a sliding door, so upon activation of this output, you may or may not have your doors unlock first. It just depends on how the installer configures your vehicle. These features require extra installation and/or parts. Consult your Titan dealer for more information.

Auxiliary Output #2:

This output is configured very similar to Auxiliary Output #1. To activate this output, **press the Function button for more than 2 seconds**. This can be used for a second sliding door or other applications. These features require extra installation and/or parts. Consult your Titan dealer for more information.

Advanced Features cont.



Long Lock Output:

This output gives you some versatility with your Lock functions. This output can be used as a “latched” output or as a “timed” output for 15 or 30 seconds. If you have a vehicle that has factory installed “Window Rollup Features” that will roll up your windows if you hold the lock button or hold the key in the lock position in the door, you can use this function to roll up your windows with your Titan remote. Consult your Titan dealer to see if your vehicle has this option. To activate this output, press the Function button once and then the Lock for less than 2 seconds. If you do not have power locks in your vehicle, this output can be used for a variety of special applications.

These features require extra installation and/or parts. Consult your Titan dealer for more information.

Manual Transmission: Ready Mode



To remote start the vehicle, you must first place the system in “Ready Mode”. There are 3 different programming options for doing this. To use a method other than the default setting, you must have your system re-programmed by an authorized dealer.

Default - Transmitter Activation

1. With the engine running and the transmission in Neutral, apply the parking brake.
2. Press and release the Start button on the remote transmitter.
3. Turn off key and remove from the ignition (the vehicle will stay running).
4. Exit the vehicle and make sure all doors are closed.
5. Press the Start button on the transmitter to shut the vehicle off.
6. The vehicle is now in “Ready Mode” and can be started by remote.

Manual Transmission: Ready Mode



Option 2 - Brake Pedal Activation

1. With the engine running and the transmission in Neutral, apply the parking brake.
2. Press and release the brake pedal 2 times (once if it was already on when you applied the park brake in step 1).
3. Turn off key and remove from the ignition (the vehicle will stay running).
4. Exit the vehicle, upon closing the last door, the vehicle will shut down.***
5. The vehicle is now in "Ready Mode" and can be started by remote.

Option 3 - Park Brake Activation

1. With the engine running and the transmission in Neutral, apply the parking brake.
2. Turn off key and remove from the ignition (the vehicle will stay running).

Manual Transmission: Ready Mode



3. Exit the vehicle, upon closing the last door, the vehicle will shut down.***
4. The vehicle is now in “Ready Mode” and can be started by remote.(ready mode)

Remote Starting - All modes

1. With the engine off, press the Start button.
2. The park lights will flash and the horn will chirp once (if connected).
3. The vehicle's ignition system will come on and within 3 seconds, the vehicle will start.
4. The parking lights will flash 5 times to confirm a successful start.
5. The vehicle will run for the programmed runtime (15 minutes default).

If the vehicle does not start, see the diagnostics section on Page 27 for possible solutions.

Manual Transmission: Ready Mode



*** If you press the Start button on the transmitter while the door is open, the system will go into “Idle mode” and NOT shut down when you close the door. It will run for the programmed run time or until it is shut down by the remote. This feature is convenient if you need to open other doors after having closed yours. ***

IMPORTANT: If a door is opened while the vehicle is not running and in “Ready Mode”, the system will exit “Ready Mode” and will not remote start. You will need to start the vehicle with the key and repeat the procedure. If you need to open doors and want to avoid repeating the “Ready Mode” setup again, simply remote start the vehicle and open the door while the vehicle is running. When you are done, and the doors are closed, you can shut down the vehicle with the remote and “Ready Mode” will still be engaged.

Diagnostics:



If the remote starter does not activate when the Start button is pressed, the park lights will flash a diagnostic code to indicate what shutdown input prevented starting.

Transmitter Action	Park Light Flashes	Problem	Solution
X	3 Slow Flashes	System is in Service Mode	Cancel Service Mode
5 Flashes on Button 2	4 Slow Flashes	Door Open	Manual Transmission Models Only
5 Flashes on Button 3	5 Slow Flashes	Ignition On	Turn Off Ignition Key and Try Again
5 Flashes on Button 1	5 Flashes	Brakeswitch Engaged	Check Brakepedal or Consult Dealer
5 Flashes on Button 4	6 Flashes	Hoodswitch (Hood Open)	Close Hood and/or Check Hoodpin Switch or
X	7 Flashes	Tach Lock-Out/Failed Start	Start Vehicle with Key, Wait 5 Seconds and Try Again or Consult Dealer

Transmitter Learning



Important! The remote starter will hold 4 transmitter codes. It is recommended that when programming in transmitters, you fill up all four transmitter codes, even if only using one or two transmitters. This will clear all other transmitter coding from the unit and prevent stray coding or possible interference from other remote transmitters.

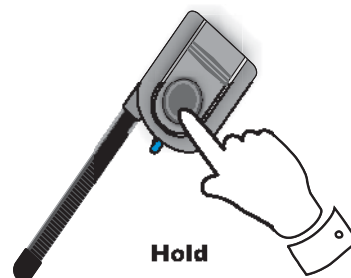
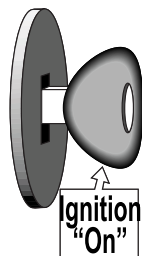
In you purchase new transmitters, they will have to be programmed to your unit before they will function. Your local Titan dealer can do this for you, but in the event you do not have access to a dealer, you can program them in yourself. All transmitters to be used on the vehicle must be programmed in at the same time. If you try to add only one transmitter, when you add it, it will erase all other transmitter in the system, so you must code in all transmitters. This is a security safety feature in the event you lose a transmitter.

Transmitter Learning cont.



CODING IN TRANSMITTERS:

1. Within 3 seconds, turn the ignition key On and Off 3 times, leaving the key in the "ON" position (On-Off-On-Off-On).
2. Press and hold the Program button on the antenna (center of windshield). The park lights will turn "On" and the horn/siren (optional) will honk once. Continue to hold the Program button. The park lights will turn "Off" and the horn/siren (optional) will honk 5 times quickly.
3. While holding the Program button, press and release the Lock button on each of the remote transmitters to be programmed. If using two transmitters, code in each transmitter twice. Turn off the key. One long horn honk will follow to show you have exited programming.



Warranty



The manufacturer warrants to the original purchaser of the Remote Starter or Remote Starter / Security System, that the product shall be free from defects in material and workmanship. However, should this product be proven to be defective, within a three year period from the original date of purchase, the manufacturer will, without charge to the purchaser (excluding any charges incurred to have the product delivered to the manufacturer), repair or replace the main control module of the Remote Starter or Remote Starter / Security System if the manufacturer agrees it to be defective. All other components or parts of the Remote Starter or Remote Starter / Security System such as Transmitters, Antennas or other components carry a warranty period of one year from original date of purchase.

All warranties apply to the original purchaser and the vehicle in which the unit was originally installed ONLY. Repairs or replacement of defective items shall remain at the discretion of the manufacturer. All other add-on parts, components, accessories, and/or optional equipment pertaining to the remote starter or remote starter / security system such as interface modules or other accessories are not included in the manufacturer's warranty. This warranty is non-transferable. Request for warranty service from any Factory Authorized Dealer must be accompanied with the original purchase receipt. Failure to comply with any of these conditions may result in warranty being void and/or refused. This warranty does not cover the following: removal and reinstall labor charges, shipping charges, abuse, misuse, or accidental damages to the remote starters and/or alarms, automobile, and/or parts thereof. This warranty is void upon modification, repairs, or alterations to any part of the product. The manufacturer does not guarantee or insure against theft of the vehicle or its contents. Alarm models are designed only to act as a deterrent against possible theft. Alarms may qualify for auto insurance discounts. Contact your insurance agent for further information. The manufacturer shall not be held liable for any consequential damages due to breach of this or any other warranty, expressed or implied. This warranty gives you specific legal rights. Your specific legal rights may vary for each region.

Warranty cont.



CERTAIN DAMAGES EXCLUDED – The manufacturer expressly disclaims any liability or responsibility for incidental damages caused by the product, including economic loss, loss of use of the product, car rentals, or any other costs relating to the care and custody of the product. The manufacturer disclaims liability or responsibility for any consequential damages caused by the product or resulting from its use, including the cost of repairing or replacing other property damaged by the product or caused by its use, whether or not the product is working properly. The product is intended to deter unauthorized use of the vehicles in which it is installed. The manufacturer does not warrant that the product is fool-proof against theft and/or vandalism and/or human error or misuse. The manufacturer accepts no liability or responsibility for any damage of any kind whatsoever caused to any vehicle in which the product is installed or any resulting damage from its use. The manufacturer accepts no responsibility or liability for any damage resulting to or theft of the vehicle or its contents caused or alleged to be caused, directly or indirectly, by failure of the product.

THE MANUFACTURER OR TITAN SHALL NOT IN ANY CASE BE LIABLE FOR DAMAGES INCURRED OF ANY KIND WHEN A REMOTE STARTER HAS BEEN USED ON A VEHICLE, THE TRANSMISSION OF WHICH WAS NOT SET TO THE MANDATED POSITION.

FCC NOTICE

This device complies with Part 15 of the FCC rules. Operation of this device is subject to the following conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.
- (3) **CAUTION:** Changes or modifications not expressly approved by the part responsible for compliance void the user's authority to operate this device.

Owner's Guide



Revision 2.01



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