GUARDIAN SERIES

12V ONLY!

ATTENTION:
This modem is shipped temporarily pre-activated for the installer to send up to 50 test commands/GPS positions before having to send in the activation form.

For Live Tech Support:
Call Certified Tracking Solutions at
1.780.391.3800
Toll-Free 1.855.287.4477
8AM - 5PM Monday to Friday MST

STEP 1: Position the GUARDIAN Module in an Optimal Location

Failure to adhere to these suggestions will result in a weak cellular and/or GPS signal and will affect the performance of the device.
- Secure in a hidden location with correct side pointing skyward .(label will indicate proper orientation)
- Do not cover with metal or position near any source of interference.

STEP 2: Primary Modem Wire Connections

Red:	12V(+)	Green:	Starter Disable Output
White:	True Ignition (+) Optional	Blue:	RX (Do Not Use)
Black:	Ground	Brown:	TX (Do Not Use)
Yellow:	Input 1 (-) Optional		

GROUND MUST BE CONNECTED DIRECTLY TO CHASSIS WITH PAINT REMOVED

⚠️ **IMPORTANT:** Device is delivered in "Shipment Mode".

- **The white ignition(+) wire must be pulsed initially to power up device.**
- **Do not connect to constant power or device will drain battery.**

STEP 3: Confirm LED Status

Blue:	2 Flashes / Second	Connected / Online	✔
Green:	1 Flash / Second	Valid GPS	✔

STEP 4: Confirm Vehicle Connectivity and GPS location

Each GUARDIAN device is shipped pre-activated for the installer to send up to 50 test commands before having to complete the online activation form. It is **HIGHLY** recommended that you follow one of the test procedures below to ensure proper functionality. Alternatively you can call Certified Tracking Solutions and we will perform the test with you.

Test procedure

1) Login to view and test the GUARDIAN device

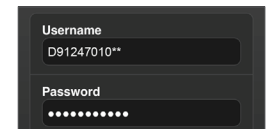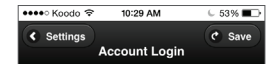| A: via the AutoConnect website	B: via the AutoConnect Smartphone App
a) Go to www.AutoconnectGPS.com and click on " Customer Login"	**a)** Download the AutoConnect Smartphone app by searching "Autoconnect GPS" for iPhone, Android or Blackberry
	b) Open App and click on "Config " then "Login"
b) Enter the GUARDIAN's Serial# (ESN) for both the User Name and password.	
c) Click Login.	**c)** Enter the GUARDIAN's Serial# (ESN) for both the User Name and password.
The AutoConnect website dashboard should load and display the Serial number of the GUARDIAN device that you are installing.	**Username** D91247010** **Password** ••••••••••••
	d) Click "Save"

2) Test Vehicle GPS Connectivity

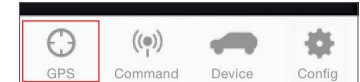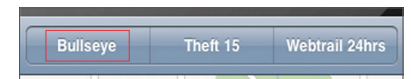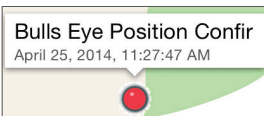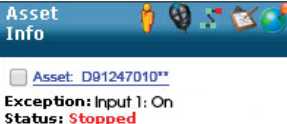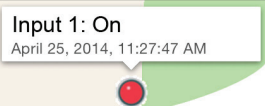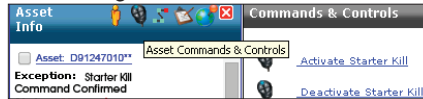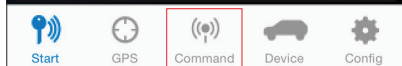| A: via the AutoConnect website	B: via the AutoConnect Smartphone App
a) Force device to communicate with the AutoConnect server. - Touch Yellow Input 1(-) to ground for 5 seconds	
b) Click on device serial # on the left side of the screen. The asset info box will open on the bottom left corner of the screen.	**b)** Click on the "GPS" tab
c) Click on the "Asset Commands & Controls" icon located at the top of the Asset Info box	**c)** Click on the "Bullseye" button at top left of screen

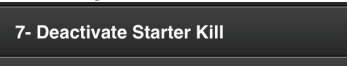## 2) Test Vehicle GPS Connectivity (Continued)

A: via the AutoConnect website	B: via the AutoConnect Smartphone App
d) Click on command labeled "A – Bulls Eye Position Request". A successful completion of this command will result in a checkmark being displayed and the time will update in the "Last Comms" section of the asset info box. ✔ A- Bulls Eye Position Request	**d)** You should see the position update to your location. You can click on the dot to view the time of the last position. **Bulls Eye Position Confir** April 25, 2014, 11:27:47 AM
e) The vehicle icon on the map should now have a red "dot" below it. If it has an exclamation mark ("!"), it means that the device has "invalid" GPS. In this case you will need to move the device outside and issue the Bulls Eye request again. (!) Invalid GPS ⬣ Valid GPS	

If you are still unable to see an updated location you can force a GPS position through by touching the Yellow Input 1(-) to ground for 5 seconds.
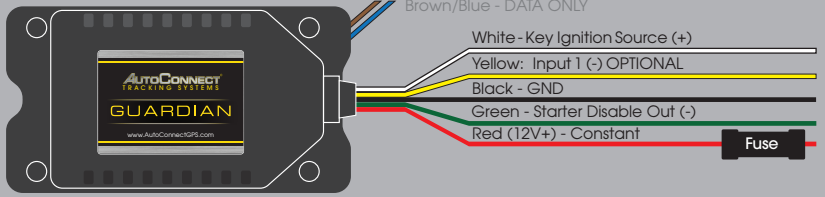
3) Test Input 1 (-) (if applicable)

A: via the AutoConnect website	B: via the AutoConnect Smartphone App
a) Input 1: Trigger Input 1(-) and view the result in the "Exception" section of the Asset Info Box. If properly connected the Exception will show as "Input 1: On". **Asset Info** ☐ Asset: D91247010** **Exception:** Input 1: On **Status:** Stopped	Input 1: Trigger Input 1(-) and view the result in the GPS tab. If properly connected it will display "Input 1". **Input 1: On** April 25, 2014, 11:27:47 AM

Please see the Input/Starter Kill wiring diagram for recommended wiring.

4) Test Starter Kill (if applicable)

a) By activating the starter kill function, the green wire will generate a latching ground output. If connected properly you will not be able to start the asset after the command has been executed.

A: via the AutoConnect website	B: via the AutoConnect Smartphone App
b) Click on the "Activate Starter Kill" Command in Asset Commands and Controls section of the Asset info box. You should see the "Starter Disable Command Confirmed" message appear in the "Exception" section of the Asset info box. **Asset Info** — **Commands & Controls** ☐ Asset: D91247010** Activate Starter Kill **Exception:** Starter Disable Command Confirmed Deactivate Starter Kill	**b)** Click on the "Commands" tab Start GPS Command Device Config
c) If test successful, complete by clicking on the "Deactivate Starter Kill" command. You should once again be able to start the asset. **Asset Info** — **Commands & Controls** ☐ Asset: D91247010** Asset Commands & Controls Activate Starter Kill **Exception:** Starter kill Command Confirmed Deactivate Starter Kill	**c)** Click on the "Activate Starter Kill" command **6- Activate Starter Kill**
	d) If test successful, complete by clicking on the "Deactivate Starter Kill" command. You should once again able to start the asset. **7- Deactivate Starter Kill**

Please see the Input/Starter Kill wiring diagram for recommended wiring.

Options — Input/Starter Kill

Brown/Blue - DATA ONLY
White - Key Ignition Source (+)
Yellow: Input 1 (-) OPTIONAL
Black - GND
Green - Starter Disable Out (-)
Red (12V+) - Constant   Fuse

ATTENTION: Connecting the device to 24V *or* 12V to the Brown or Blue wire **WILL VOID THE WARRANTY!**

1-2-3!
1. Connect Red wire to Constant +12V and fuse.
2. Connect Black wire to Ground.
3. Connect White wire to True Ignition (+).

GUARDIAN Only

RELAY — 87A Red — 30 Blue — 85 Black — 86 White   CUT   Vehicle Start Interupt Wire*

Brown/Blue - DATA ONLY
White - Key Ignition Source (+)
Yellow: Input 1 (-) OPTIONAL
Black - GND
Green - Starter Disable Out (-)
Red (12V+) - Constant   Fuse