



These guidelines are meant to maximize the performance of the unit.

STEP 1: Mounting Location

- Units should be installed with the proper side facing the sky (device is labeled "This side towards sky")
- Do **NOT** cover with any type of metal
- Wood, fiberglass, plastic and glass covering the device are acceptable but can decrease battery life
- If installed in a bad position the unit will take much longer to acquire GPS. This can **significantly** decrease the battery life.

STEP 2: Mounting the Device

The TT1SPSAT was designed to be mounted to an asset using double-sided adhesive tape and/or the included mounting bracket. The mounting bracket has four screws that attach to the asset and allows the TT1SPSAT to be mounted so the antenna can face the sky. The TT1SPSAT attaches to the mounting bracket using four Phillips-head screws.

STEP 3: Installation Options

If installing the device Without the input Cable go to [Option 1](#) and if installing With the Input Cable go to [Option 2](#)

Option 1: Installing the Device WITHOUT Input Cable

- Step 1:** Mount device as per "Mounting Location" recommendations
Step 2: Remove the end connector cap from the unit (device should be outside)
Step 3: Move switch to the "ON" position.
Step 4: Replace end connector cap.

DO NOT OVERTIGHTEN SCREWS
Tighten to 36 In-Oz (torque setting).

Step 5: Proceed to "Testing the Device"



Option 2: Installing the Device WITH Input Cable

Step 1: Install input cable into asset using the wiring diagram below;

INPUT CONNECTIONS

IMPORTANT: Inputs are dry contact only.

DO NOT CONNECT DIRECTLY TO ANY POWER SOURCE.

Doing so will void the warranty. Be certain that unused wires DO NOT short to each other.

INPUT 1	White	Dry Contact 1 (Recommended for Ignition/Engine Status Input)
	Dark Blue	Ground
INPUT 2	Light Blue	Dry Contact 2
	Dark Blue	Ground

POWER CONNECTION

IMPORTANT: Connect to 8 - 22 Volt DC ONLY!

Violet (+)	Line Power + MUST FUSE within 1 foot of source (1 Amp Fuse)
Green (-)	Line Power -

- Step 2:** Mount device as per the "Mounting Location" recommendations
Step 3: Move the device outside. Move switch to the "ON" position.
Step 4: Plug input cable into TT1SPSAT mini
Step 5: Tighten Input Cable Connectors **DO NOT OVERTIGHTEN SCREWS**
Step 6: Proceed to "Testing the Device"

Step 4: Testing the Device

IMPORTANT - Always be sure to "test" the unit first before sending the equipment into the field. This can be accomplished by verifying that the device can be seen in your Titan Tracking account. It may take up to 35 minutes for the first report to come through.

Troubleshooting

If you cannot see the last reported location of the unit, be sure that the equipment has a good view of the sky and it has had an opportunity to report its position.

If the unit still does not show up you can perform a RESET. To do so, turn switch to the "OFF" position. Wait for 60 seconds. Then turn switch to the "ON" position.

For live Tech Support:
 Call Certified Tracking Solutions at 1-780-391-3800
 8AM to 6PM Monday to Friday MST
www.TitanGPS.ca

STEP 1:

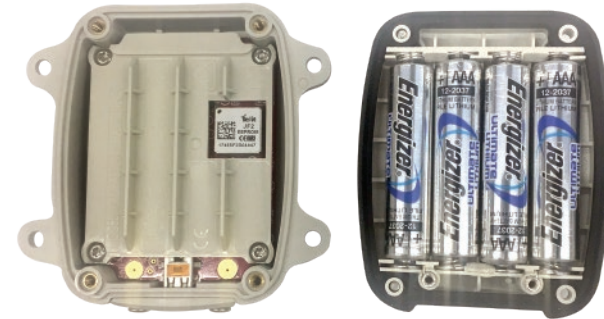
- Unscrew the four phillips-head screws located on the back of the unit with a #1 phillips-head tip.

Note: New units are shipped with the mounting bracket attached. Please remove the mounting bracket in order to uncover the case screws.



STEP 2:

- Separate the unit halves and replace batteries. Make sure to use L92 Ultimate Lithium AAA batteries and insert them as instructed on the battery compartment.
- Make sure the black gasket surrounding the battery compartment lays flat on the groove before reconnecting the two unit halves



STEP 3:

- Replace the battery compartment making sure the contact springs are the correct orientation, Screw down all four phillips-head screws in a crisscross pattern.

DO NOT OVERTIGHTEN SCREWS.

Tighten to 36 In-Oz (Torque setting)



If leaving switch in the ON position, changing batteries while indoors or with an obstructed view of the sky may result in not receiving a power on message. To receive "power on" message, restart unit by switching off then back on with a clear view of the sky.

