AT1-B
Battery Powered Device

AT1-S
Solar Rechargeable Battery Device

AT1-H
Hardwire Rechargeable Device

AT1 Asset Tracker

Changes and Installation Best Practice

AT1 MODEL COMPARISON

AT1-B Battery Powered	AT1-S Solar Rechargeable Battery Device	AT1-H Hardwire Rechargeable Device
✓ Two high-end 3.6V AA Ultimate Lithium batteries	✓ Battery charged via solar power	✓ Battery charged via hardwire connection to an external 12V power source
	✓ Ideal for assets that are periodically exposed to the sun	✓ Ideal for assets that can provide constant power to the device
✓ Up to 5-year battery life*	✓ Rechargeable battery using solar power	✓ Rechargeable battery using external power
	✓ Can transmit up to 2,200 snapshots on full charge	✓ Can transmit up to 2,200 snapshots on full charge
	✓ Fully recharges with ~50 hours of solar charge	✓ Fully recharges with 24 hours of charge[‡]
	✓ Reports data with only 5	✓ Reports data with only 3.5V
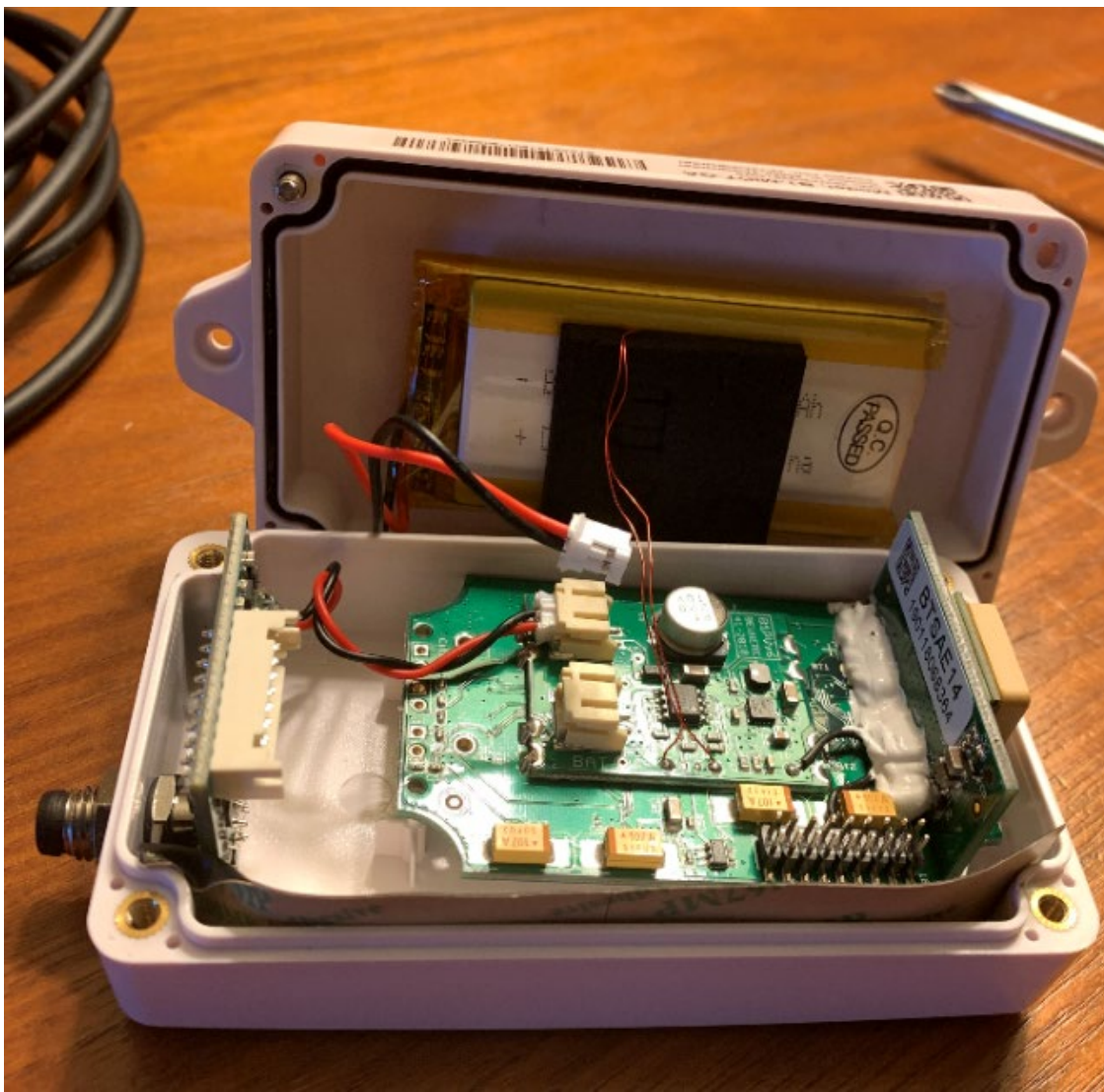
PRODUCT OVERVIEW

- The AT1 provides ongoing visibility on the location of high-value assets, giving owners reassurance in the safety and security of their assets
- The AT1 operates on the LTE-M (LTE CAT M1) lower power network
- The device supports the following sensors:
  - ✓ Battery Level
  - ✓ Temperature (ambient)
  - ✓ Barometric Pressure (ambient)
  - ✓ Light (ambient)
  - ✓ Humidity (ambient)
- The device wakes up on the scheduled Device Data Settings (DDS) interval to transmit location and sensor data, then returns to sleep mode until the next transition.
- There is an option to enable motion detection through the DDS

KEY BENEFITS

- One of the market's smallest and most affordable asset trackers
- Quick and easy to install
- Easy to disguise and install covertly
- Sleek and attractive design

AT1-H - Hardwire

1. **Determine the optimal mounting location**
   - ✓ Ensure the sensor has a <u>clear line of sight to the sky</u>. This can be done by mounting the device at the highest point of the asset
   - ✓ Ensure its location <u>does not interfere</u> with the asset's regular operation
   - ✓ <u>Avoid mounting the device under heavy metal</u> as this will reduce range and effectiveness of GPS and cellular transmission
   - ✓ *For AT1-S:* Ensure the charging lens has a <u>clear line of sight to the sky</u>. This can be done by mounting the device on a 45° angle
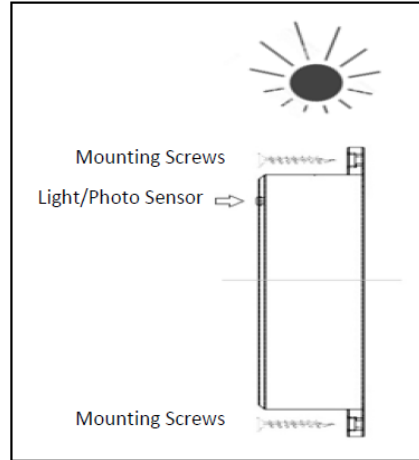
2. **Install**
   - ✓ Use two self-tapping screws to mount the device <u>vertically</u> on a <u>flat mounting surface</u>

3. **(For AT1-H Hardwire Only) Connect to Power**
   - ✓ Connect the wires to their correct locations
     <u>Power harness</u>: connect to the AT1-H device (see image)
     <u>Red wire</u>: connect to a 12V supply or directly to the battery
     <u>Black wire</u>: connect to the chassis ground or the battery's negative terminal
   - ✓ The AT1-H can be connected to various external power sources
     <u>Recommendations</u>: connect directly to the vehicle's battery, trailer connection point, or a licence plate light

Mounting Screws
Light/Photo Sensor
Mounting Screws
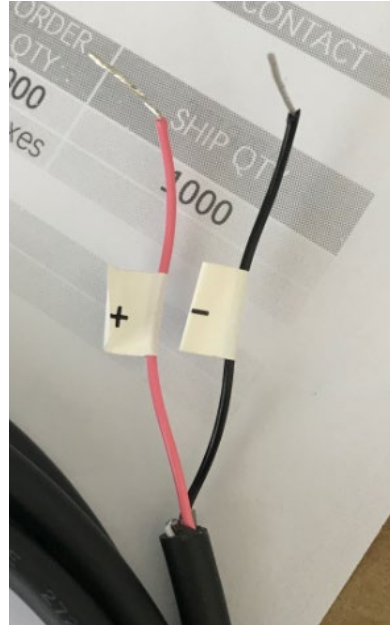
Important Notes
- If an area does not have LTE (4G) coverage, there is no LTE-M coverage available, the device will store snapshots and forward it once it has coverage.
- Do not overtighten the screws as they will crack the base
- Zip ties or 3M double-backed tape can be used in interior or non-permanent installations
- For heavy-duty construction equipment installations, it is recommended that the device is mounted using the double-sided tape and heavy-duty self tapping screws
- Make sure the mounting surface is clean and residue free before applying the double-sided tape. Tape and heavy-duty self tapping screws are not included

AT1-H – Installation & Best Practice

Upgrading Mounting Screws