



## MA-1080 Asset Tracker



Our specialized **MA-1080 Asset Tracker** is perfect for assets set in storage or distant locations, such as boats, landscaping equipment, RVs, vintage cars, and trailers.

The GPS device has an exceptionally low rate of power consumption. This device provides 3 years of battery life when set for 2 updates per day. In addition, this device also offers a battery status monitoring service. So when the extensive battery finally needs to be replaced, you will be kept updated and we will be able to help promptly.



Track Real-Time



3 Year Battery Life



Geo-Fencing



Powerful Magnets



4G LTE Device



Get Alerts



Weather Proof



## MA-1080 Product Features

### 3 Year Battery Life

Its low power consumption gives the asset tracker a stellar battery life of up to 3 years. The device will also automatically monitor its battery power and gives one less thing to worry about.

### Water And Weather-Proof

Longevity aside, this device is extraordinarily durable and weatherproof. Whether it be traveling through torrential downpours, blizzards, sweltering heat waves, etc. you can rest assured that your assets will always remain secured.

### Quality 4G/LTE Wireless Cell Signal

In addition to being weatherproof, the asset tracker has 4G LTE connection and can update in almost every area with coverage. Giving you the power to track from any place no matter what.

### Aggressive Tracking Mode

Aggressive tracking mode is the primary theft prevention / recovery function of our MA-1080. In the case of stolen or missing assets, this function can be activated at any time to increase the GPS tracking updates from 2-4 updates per day to 4 updates per hour. This allows the Matrack team to monitor the transit of the missing asset so that authorities can be alerted and the asset may be recovered.

### Geofence: Aggressive Tracking Trigger

Our Geofencing function allows you to build an invisible perimeter around a designated asset. If this perimeter is crossed, the owner of the asset will be alerted immediately and Aggressive Tracking Mode will automatically be triggered.

**No contract. (30-day money back guarantee)**

## HOW TO OPERATE/TROUBLESHOOT:

### Step 1: Locating the LEDs

Locate the rectangular glass window on the top left corner of the bottom plate of the device.

Modem LED: Blue | GPS LED: Green

### Step 2: Forcing current location to the server

Press the push button on the top right corner of the bottom plate of the device to send current location immediately to MaTrack.

**You can observe through the glass window that the green and blue LEDs are blinking.**

Blinking pattern as follows:

1. Green LED blinks first and then followed by blue.
2. If green LED starts blinking slower, GPS lock is obtained.
3. Cell network is registered when blue LED blinks slower.
4. As soon as GPS lock is obtained and the cell network is registered, the LEDs stop blinking and the device returns to regular update mode.

### NOTE

- If cell network is not identified or registered, the blue modem LED continues to blink steadily.
- If cell network is not registered, but identified, the blue modem LED will blink faster.
- If cell network is registered, the blue LED blinks slow.

- If GPS lock is not obtained and the cell network is not registered, the LEDs will blink for 10 minutes searching for the network and then turn off. Check the placement of the device and try asserting the push button again at this point.

## 4G/LTE Asset Tracker - Datasheet

### MA1080: 4G/LTE wireless - GPS tracker

Overview: This 4G/LTE GPS device with 3G fall back capability is a vehicle tracker that can be attached to the chassis of a car/truck. It provides a battery life for 3 years with 2 location reports a day. Modules: GPS, and GSM modem.

Features: Ultra-low power consumption 3 years of battery life for 2 location reports per day

Battery status monitoring Easy installation using strong magnets Push button to access location report instantaneously Geo-fence Water resistant

**Dimension :** 7.3cm X 6.1cm X 4.3cm (2.87in X 2.4in X 1.69in)

**Weight :** 204g (7.2oz)

**Battery :** 3.6V Lithium, 13Ah

**Current consumption :** ~10.4mA per day for reporting every 12 hours

**Supported bands :** 4G LTE: 12(700MHz), 5(850MHz), 4(1700MHz) and 2(1900MHz)

**3G UMTS:** 5(850MHz), 2(1900MHz)

**GPS : Accuracy:** 2.5m, Coldstart: 29s, Hotstart: 1s

**Navigation :** Update rate: 18Hz (Max.), Sensitivity: -166 dBm

**Operational limits :** Altitude: 50,000m (164042ft), Velocity: 500m/s

**Operating temperature :** -25OC to +65OC (-13OF to 149 OF)

**Storage temperature :** -40OC to +85OC (-40 OF to 185 OF)

**Input/Output:** 1x USB micro female port for programming using authorized applications, and debug purpose.