



Asset Tracker

WaveTrac X1 User Manual

Model: 0124-010



OVERVIEW

The WaveTrac X1 is a lightweight unpowered global asset tracking solution for monitoring of mobile assets like boxes, crates, pallets, containers, dumpsters, packages, etc., requiring massive deployments with minimum operations overhead. It features reliability & flexibility with multi-signal indoor-outdoor global positioning, high-penetration cellular LTE connectivity and remote OTA reconfigurability. Due to unique self-learning edge AI/ML algorithms and wide array of sensors, this product adapts to the usage patterns & optimizes power-performance to eliminate battery recharging/replacement in most applications. WaveTrac X1, with its robust waterproof design, more than 10 years of operating battery life*, integrated global connectivity & easy-to-use REST APIs & platform, delivers exceptional performance & fastest time-to-market for the lowest total cost of ownership.

Specification

Cellular Connectivity	NB-IoT with built-in eSIM
Geolocation	GNSS (1.5m CEP), Cellular, Wi-Fi & Bluetooth
Sensor Options	Temperature, light, shock, drop, motion, vibration, orientation detection
Enterprise Integration	Dashboard & REST APIs
Cloud Configurability	Reporting intervals, sensor alerts & analytics, Geofence, Geo-location authentication
Remote Updates	Supports Cellular & Bluetooth OTA
Small Size	125mm(L) X 63mm(W) X 20mm(H)
Battery	3.6V Li-SOCl2 (10400 mAh)
Weight	156 g
Waterproof	IP66 Compliant
Temperature Rating	-40C to 85C
Security	MQTT with TLS encryption

* Up to 4 location and sensor data reporting per day on global cellular network

FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two 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. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FCC Caution.

a、 § 15.19 Labeling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two 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.

b、 § 15.21 Changes or modification warning.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

c、 § 15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

*RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.