



Excellence in Compliance Testing

Certification Exhibit

FCC ID: AMH101003

IC: 10124A-101003

FCC Rule Part: 15.247

IC Radio Standards Specification: RSS-210

ACS Project: 12-2034

Manufacturer: Locus Solutions LLC

Model: Smart Tag

User Manual



What's happening.
Where it's happening.
As it's happening.

LocusTraxx™

User Guide

System Description

The Locus Traxx Portable wireless system enables fresh produce shippers to deliver produce with a freshness confidence. The system does this with a series of radio systems that wirelessly track product location, temperature, and other condition and, or shipment sensors. Sensor modules termed "Smart Tags" transmit their information via a 802.15.4 local wireless network back to a central portable or fixed unit. The portable, or fixed units, concatenate this local sensor information with position data from a dedicated GPS receiver and transmits the data package to a central motoring facility through either a GSM cellular or Iridium network.

Installation

Hooking the Portable System Unit Up

1. Remove the portable unit from the Pelican case. On the bottom side of the device, verify that the Green? LED is now flashing indicating that the unit is awake.
2. Place the portable unit against the rear right vertical bar. Press the bottom of the unit the bottom chuck is firmly engaging the bar. Similarly press the upper lock assembly into place. Ratchet the upper lock assembly until it firmly holds the bar.
3. Remove the Smart Tag unit(s) from the Pelican shipping case and place on a shipping container to be monitored. For optimal performance, insure that the Tag operates approximately half way through the large shipping container and 4 feet off the floor.
4. Verify that the system is correctly monitoring the tag temperature and current location by calling 1-800-LOCUSTRAXX and enter the Portable Unit ID number.
5. That's all there is to it. Tell the driver to have a pleasant and safe trip!

Monitor the Shipment

1. In a web browser open www.locustraxx.com and login with the user ID and password provided.

After Shipment Completion:

1. Recover the tag and shipment Pelican box from the truck.
2. With a helper for safety, detach the Portable unit from the truck bar by de-ratcheting the lock assembly and un-latching the failsafe safety cable.

3. Place the Portable and the Smart Tag(s) back into the Pelican shipment case.
4. Locate the closest UPS drop box that accepts package deliveries and return the Locus Traxx Portable unit.

Radio Comments

Optimum performance of the Smart Traxx system may require repositioning of the Smart Tag in relation to the fixed or portable device. Excessive attenuation of the RF communication can result if the line of sight is obstructed by materials that significantly attenuate the signal. It is therefore advised to keep this in mind when positioning your wireless system.

Warning: Changes or modifications to this device not expressly approved by Locus Traxx could void the user's authority to operate the equipment.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Class B Devices:

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.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

RF Exposure

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 and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.