## Preface

The PinPoint Asset Tracking and Management Solution uses the PinPoint Asset tag to provide real-time locating and asset management throughout a facility. The PinPoint Mobile Resource Management software enables users to configure tags, manage assets, and track equipment from any web enabled PC or PDA. Refer to the *PinPoint Asset Tracking and Management Solutions Software and Configuration Guide* for details on tag configuration and the Mobile Resource Management software.

> ⚠ **WARNING: The PinPoint Asset Tracking and Management Solutions is designed and intended to work in conjunction with a facility's overall asset management and security program, including reasonable operating policies and procedures. The PinPoint Asset Management Solution, by itself, cannot prevent the theft or loss of assets.**

### Intended Audience

The *PinPoint Asset Tracking Tag User Guide* is intended for facility personnel who uses the PinPoint Asset Tag. It provides detailed information about the tag mounting and cleaning instructions, as well as specifications and compliances.

### Contact Information

- Find more information about RF Technologies, Inc. products at www.rft.com.
- For technical support, contact (800) 669-9946 or (262) 790-1771.
- For questions or comments about documentation, contact the RF Technologies Technical Publications team at techpubs@rft.com.

### Product Warranty

Product Warranty information can be found on the system's CD-ROM or with your original system proposal and invoice.

## PinPoint Asset Tag

The PinPoint Asset Tag is a lightweight battery powered Wi-Fi tag. It is designed to last for up to 3 years depending on the check-in configuration and the motion of the tag. The tag employs an on-board motion detector to maximize battery life. The PinPoint Asset Tag transmits low battery alerts to enable timely tag replacement.

The PinPoint Asset Tag is part of the PinPoint Asset Tracking and Management Solutions. The tag aids in locating and securing mobile assets and incorporates tamper detection technology that alerts system users when a tag has been removed from an asset.

## Mounting Tags

Tags are small and can be attached to assets using the adhesive tape that can be purchased with the tags. Tags can also be mounted with a lanyard or zip tie through the opening at the top of the tag.

### To apply the adhesive pad to the tag

1. Remove an adhesive pad from the strip of paper.
2. Place the tag face down.
3. Line the adhesive pad up with the back of the tag.
4. Apply the adhesive pad.
5. Verify that the pad is applied correctly and is not hanging over the sides of the tag.
6. If correctly applied the tag will activate and auto enroll into the Mobile Resource Management software. Refer to the PinPoint Asset Tracking and Management Solutions Configuration and Calibrations User Guide

### To attach a tag to a asset using an adhesive pad

1. Obtain the asset to which you want to apply the tag. The asset surface must be clean, dry and free of condensed moisture.
2. Remove the plastic covering from the outside of the adhesive pad.
3. Firmly attach the tag to the asset. Ideal application temperature range is 70°F to 100°F (21°C to 38°C).
4. Press firmly and hold for approximately 10 seconds to activate the pressure sensitive adhesive.
5. After application, the bond strength will increase as the adhesive flows onto the surface. At room temperature, approximately 50% of ultimate bond strength will be achieved after 20 minutes, 90% after 24 hours and 100% after 72 hours.

### Mounting Tags Using a Lanyard or Zip Tie

Tags can also be mounted with a lanyard or zip tie through the opening at the top of the tag.

## Cleaning Tags

### To clean a tag after use

1. If necessary, remove the tag from the asset. You can clean the tag on the asset if you prefer.
2. Wet a cotton swab or paper towel with Isopropyl Alcohol.
3. Cleanse the tag.
4. Cleanse the surface of the asset.
5. Let the tag and the asset surface dry before reapplying the tag with a new adhesive pad.

## Specifications

| | |
|---|---|
| Size: | 1.9 x 1.38 x 0.7 |
| Weight: | 0.95 ounces |
| Case: | Welded, Waterproof |
| Color: | White w/Blue Logo |
| Network Standard: | 802.11b/g Compliant |
| Frequency: | 802.11b Radio (2.4GHz), RFID Low Frequency (262kHz) |
| Network Protocol: | UDP, Static IP Addressed |
| Medium Access: | CSMA/CA |
| Temperature: | 0- 120° F |
| Humidity: | 0-95% Non-Condensing |
| Battery Life: | up to 3 Years |
| Shelf Life: | 5 Years |
| Compliance: | FCC part 15 |
| Industry Canada: | RSS 210 |

# Compliance

## Federal Communication Commission (FCC) Compliance

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.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Changes or modifications not expressly approved by the party responsible for compliance voids the user's authority to operate the equipment.

## FCC and IC Radiation Exposure Statement for Portable Devices

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment is in direct contact with the body of the user under normal operating conditions. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## Industry Canada Compliance

Changes or modifications not expressly approved by RF Technologies could void the user's authority to operate the equipment. The Term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met.

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.

## Industry Canada Label

RF Technologies, Inc.
Model#: TAG-80211B
IC: 2719A-80211B
FCC ID: KXU-80211B

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# ⚠ Important Warnings

It is important for your facility to implement and enforce the following WARNINGS in order to keep all equipment functioning properly.

INSTRUCTIONS FOR SET UP AND USE—It is the responsibility of the facility to follow the instructions for set up and use carefully, as outlined in this manual, and to use the components and supplies specified by RF Technologies, Inc. for setup and use. **Failure to follow the instructions for setup and use and failure to use the components and supplies specified by RF Technologies, Inc. may result in equipment and/or system failure.**

SYSTEM MAINTENANCE AND TESTING—It is the responsibility of the facility to establish and facilitate a regular maintenance schedule for your system. This includes visual inspection, testing and care of your system as outlined in this manual. Maintenance and testing of your system, including records of maintenance and testing, must be done monthly. It is also recommended that your facility keep records of maintenance and test completions. **Failure to provide regular maintenance and testing of these products may result in equipment and/or system failure.**

USER TRAINING—It is the responsibility of the facility to implement structured training procedures for all employees using the system. Only users who have received adequate training on the use of the system, as outlined in this manual, should use the system. **Failure to adequately train employees may cause system failure due to user error. In addition, incorrect use of the equipment may also result in system failure.**

DISPOSAL—At the end of their service life the products described in this manual, as well as accessories (i.e.batteries, mounting material, etc.), must be disposed of in compliance with all applicable federal, state and local guidelines regulating the disposal of products containing potential environmental contaminants. Dispose of the packaging material by observing the applicable waste control regulations.

PRODUCT WARRANTIES—**Failure to follow the Warnings and Cautions in this guide voids any and all Product Warranties.**

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**RF**TECHNOLOGIES®

# PinPoint®
## Asset Tracking and Management Solutions



## Asset Tag User Guide

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**Users must read this Guide before using the Product**

**(Patents Pending)**