



EN1249 EchoStream® Billtrap Transmitter Installation Instructions - 05266D, March 24, 2011

1 Overview

The Inovonics EN1249 billtrap features the same profile and ruggedness of a hardwire billtrap, providing flexibility for use in cash drawers in any financial or retail environment.

Note: For UL installations, refer to the *EN4216MR Installation and Operation Manual*, the *EN4232MR Installation and Operation Manual*, or the *EN7285 Installation Instructions*.

1.1 Inovonics Wireless Contact Information

If you have any problems with this procedure, contact Inovonics Wireless technical services:

- E-mail: support@inovonics.com
- Phone: (800) 782-2709

1.2 EN1249 components

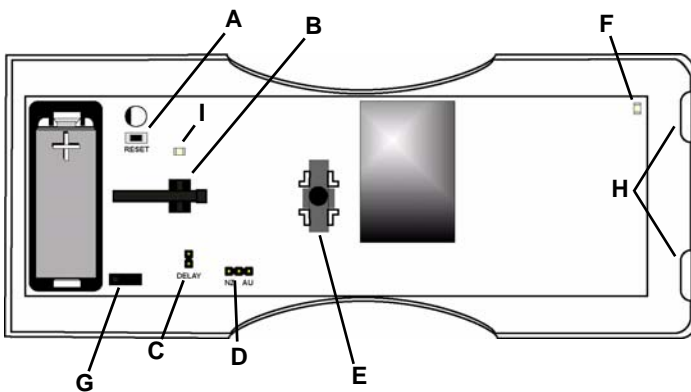


Figure 1 EN1249 components

- | | |
|------------------------|----------------------------|
| A Reset button | B Bait switch trigger |
| C Delay selection pins | D Frequency selection pins |
| E Back tamper button | F Bait indication light |
| G Cover tamper switch | H Housing tabs |
| I Transmit LED | |

2 Installation and Startup

2.1 Install/Replace the Battery

1. Remove the housing screw and separate the housing.
2. Install/replace the battery.
3. Press the **Reset** button to initialize the transmitter. If replacing a battery, the transmitter's most recent programming will be restored upon initialization.
4. If replacing the battery, reassemble the housing per section 2.5; otherwise continue with installation.

2.2 Select the Frequency Band

EchoStream products are able to use a range of radio frequencies, and must be configured for your geographic area. To configure the transmitter:

1. Place a selection jumper on the appropriate frequency band selection pins (D).
 - Place the jumper on the left two pins, marked NZ, to set the frequency range to 921-928 MHz for New Zealand.
 - Place the jumper on the right two pins, marked AU, to set the frequency range to 915-928 MHz for Australia.
 - Leave the jumper off the pins to set the frequency range to 902-928 MHz for North America.
2. Press the **Reset** button to complete configuration.

Note: Only devices set for use in North America are configured for UL installations.

2.3 Select Delay Option

The EN1249 can be set to provide a ten second delay between the removal of the trigger bill and alarm transmission, allowing users to replace the bait bill if it is inadvertently removed. When the delay option is not set, an alarm will be transmitted two seconds after the bill is removed.

1. To set the EN1249 to provide a ten second trigger delay, place a selection jumper on the delay selection pins (C) and press **Reset**.
2. To cancel the ten second trigger delay, remove the selection jumper from the delay selection pins and press **Reset**.

2.4 Register the EN1249

The EN1249 must be registered with the system in order to be monitored and supervised. When supervised, the EN1249 will send a check-in message to the receiver every three minutes. Each transmitter has a unique factory-programmed identification number. Refer to the receiver's installation instructions for details on registering a transmitter.

1. When prompted by the receiver to reset transmitter, press the **Reset** button.

2.5 Reassemble the Housing

1. Hook the top of the housing into the housing tabs on the bottom of the housing and swing closed
2. Replace the housing screw.
3. Test the billtrap transmitter and ensure an appropriate response.

2.6 Mount the Billtrap Transmitter

The EN1249 is shipped with Dual Lock™ repositionable fasteners already installed on the back of the transmitter. To mount the transmitter:

1. Ensure the mounting surface is clean and free of debris.
2. Peel the non-adhesive backing from the repositionable fasteners attached to the EN1249.
3. Press the EN1249 to the mounting surface with sufficient pressure to ensure the tamper button is depressed against the mounting surface.
4. Once the adhesive has set, usually after a period of 24 hours, the EN1249 can be repositioned as necessary.

3 Operation

3.1 Insert the Bait Bill

1. Slide the bait bill under the bait clip on the front of the EN1249, so that it depresses the bait switch trigger (B).
2. If the trigger bill has been inserted properly, the bait indication light on the front of the EN1249 will light for five seconds (F).

4 Specifications

Battery type (BAT604): Panasonic CR123A

Compatible UL receiver: EN4216MR, EN4232MR, EN7285

Housing: 6.2" x 2.6" x 0.9" (157 mm x 89 mm x 23 mm)

Operating environment: 32°- 140°F (0°- 60°C), 90% relative humidity, non-condensing

Operating frequency: 915-928 MHz (Australia), 921-928 MHz

(New Zealand) 902-928 MHz (USA)

Power requirement: 3VDC, 60 mA

UL listings: UL 365, UL 636, UL 1076, UL 1610.

Typical battery life: 3-4 years

5 Television and Radio Interference

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.

6 FCC Part 15 and Industry Canada Compliance

This device complies with part 15 of the FCC Rules and Industry Canada license-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.

7 Warranty/Disclaimer

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

Inovonics Wireless Corporation ("Inovonics") warrants its EchoStream products ("Product" or "Products") to conform to its own specifications and to be free of defects in materials and workmanship under normal use for a period of thirty-six (36) months from the date of manufacture. Within the warranty period, Inovonics will repair or replace, at its option, all or any part of the warranted Product. Inovonics will not be responsible for dismantling and/or reinstallation charges. To exercise the warranty, the User ("User", "Installer" or "Consumer") must work directly through their authorized distributor who will be given a Return Material Authorization ("RMA") number by Inovonics. Details of shipment will be arranged directly through the authorized distributor.

This warranty is void in cases of improper installation, misuse, failure to follow installation and operating instructions, alteration, accident or tampering, and repair by anyone other than Inovonics. This warranty is exclusive and expressly in lieu of all other warranties, obligations or liabilities, whether written, oral, express, or implied. There is no warranty by Inovonics that Inovonics product will be merchantable or fit for any particular purpose, nor is there any other warranty, expressed or implied, except as such is expressly set forth herein. In no event shall Inovonics be liable for an incidental, consequential, indirect, special, or exemplary damages, including but not limited to loss of profit, revenue, or contract, loss of use, cost of down time, or interruption of business, nor any claim made by distributor's customers or any other person or entity.

This warranty will not be modified or extended. Inovonics does not authorize any person to act on its behalf to modify or extend this warranty.

This warranty will apply only to Inovonics Products. Inovonics will not be liable for any direct, incidental, or consequential damage or loss whatsoever, caused by the malfunction of Product due to products, accessories, or attachments of other manufacturers, including batteries, used in conjunction with Inovonics Products.