



EN1223S EchoStream® Water-Resistant Single-Button Pendant Transmitter

Installation and Operation Manual - 05582A

1 Overview

The Inovonics EN1223S pendant transmitter is our smallest, lightest, and most versatile pendant.

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 Transmitter Components



Figure 1 Transmitter components

- A Transmit LED B Reset button C Frequency band selection pins

2 Installation and Startup

2.1 Installation Notes

- These products are designed to be maintained by professional security technicians.
- Products are intended for indoor use.
- Manually test all products weekly.

2.2 Install/Replace the Battery

1. If present, remove the 3 three housing screws on the back of the transmitter.
2. Open the housing.
3. Install the new battery, ensuring the positive terminals (+) face the indicated side of the holder.
4. Allow 30 seconds for the capacitor to charge and then press **Reset**.

Note: When the battery is removed the transmitter may continue to operate or report a low battery until all energy is discharged from the capacitor.

2.3 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.
 - Place the jumper on the right two pins, marked NZ, to set the frequency range to 921-928 MHz for New Zealand.
 - Place the jumper on the left 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.

Caution: When pressing the **Reset** button, make sure you don't also touch the frequency band selection pins. Touching the frequency band selection pins while pressing the **Reset** button can inadvertently set the transmitter to the wrong frequency band.

2.4 Register the Transmitter

The transmitter must be registered with the system in order to be monitored and supervised. When supervised, the transmitter will send a check-in message to the serial receiver or network coordinator 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.

Caution: The transmitter should be tested after registration to ensure operation. To test the transmitter, activate each of the conditions and ensure an appropriate response.

3 Operate the Transmitter

To activate the transmitter, press the button for at least one second. Alarm signals are transmitted multiple times and are indicated by the blinking transmission LED. When the buttons are released, the transmitter sends an alarm restoral signal. To test a transmitter, activate the alarm by pressing the button(s).

4 Specifications

Dimensions: 5.6 x 4.8 x 1.8 cm (2.2 x 1.9 0.72")
Operating temperature: 0 to 60°C (32 to 140°F)
Operating environment: Water-resistant, non-submersible
Typical battery life: 3-5 years
Battery type (BAT609): Renata CR2450, Panasonic CR2450
Power requirement: 3 VDC, 60 mA

Note: Specifications and data are subject to change without notice.

5 Warranty and Disclaimer

Note: Changes or modifications to this unit not expressly approved by Inovonics Wireless Corporation may void the installer's authority to operate the equipment as well as the product warranty.

Inovonics Wireless Corporation ("Inovonics") warrants its 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.

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