

# EE1223D EchoStream® Double-Button Water-Resistant Pendant Transmitter Installation and Operation Manual

## 1 Overview

The Inovonics double-button water-resistant pendant transmitter is small, light and versatile.

### 1.1 Inovonics Contact Information



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

- E-mail: [support@inovonics.com](mailto:support@inovonics.com).
- Phone: (800) 782-2709; (303) 939-9336.

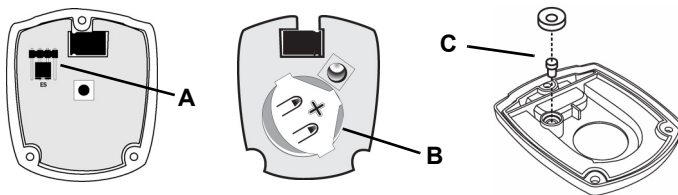
### 1.2 Transmitter External Components



**Figure 1** Transmitter external components

**A** Transmit LED    **B** Activation buttons    **C** Reset button

### 1.3 Transmitter Internal Components



**Figure 2** Transmitter internal components

**A** EchoStream select compatibility selection pins    **B** Battery    **C** Reset button plunger assembly

### 1.4 What's In The Carton

- One EchoStream double-button water-resistant pendant transmitter.
- One breakaway neck cord.
- One beltclip attachment.
- Three housing screws.
- One selection jumper.
- One CR2450 coin cell battery.

## 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.
- All products should be manually tested weekly (see "Test the Transmitter" on page 2).

### 2.2 Battery Installation

1. Remove the rear housing cover to expose the side of the board that holds the battery.

**Caution:** Carefully separate the rear housing cover, ensuring the reset button plunger assembly does not fall out of the housing (Figure 2).

2. Slide the battery under the battery holder, ensuring that it is fully inserted and that the positive terminal (+) faces up (Figure 2).
3. Press the reset button.

### 2.3 Select the EchoStream Select Compatibility

To meet ETSI requirements, Inovonics has developed a new line of EE 868MHz-only products. These new 868MHz-only products are compatible with older systems that include EchoStream select products. If you are using any ES products in your current system, you will need to enable EchoStream select compatibility on this new 868MHz-only product; if you are not using any EchoStream select products, skip to section 2.4, "Register the Transmitter".

To enable/disable EchoStream select compatibility:

4. Turn the board over to access the side with the frequency band selection pins (Figure 2).
5. Place a selection jumper on the middle two enable EchoStream select compatibility selection pins.
6. Press the reset button.

### 2.4 Register the Transmitter

The transmitter must be registered and supervised. When supervised, the transmitter will send check-in message to the receiver or gateway as follows every 12 minutes.

Each transmitter has a unique factory-programmed identification number. Refer to the receiver or gateway's installation instructions for details on registering and setting up supervision.

7. When prompted by the receiver or gateway to reset transmitter, press the reset button (Figure 1).

**Caution:** The transmitter should be tested after registration to ensure operation. See "Test the Transmitter" on page 2.

### 2.5 Replace the Housing

8. Seat the board in the housing with the battery side facing the rear housing cover.
9. Replace the rear housing cover.
10. Insert the three housing screws, tightening them to 1.25 inch-pounds torque.

**Note:** If you do not have a torque driver, tighten to a snug fit, being careful not to overtighten.

**Note:** Tighten the housing screws evenly to help ensure a good seal and maintain water-resistance.

**Caution:** Over-tightening the housing screws can result in microcracks in the plastic, gaps in the gasket material, and/or stripping of the bushing. Any of these conditions can compromise the water-resistance of the device.

## 3 Operate the Transmitter

To send an alarm, press both activation buttons simultaneously 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 as indicated by another short series of blinking transmission LED lights.

### 3.1 Wear the Transmitter

The pendant transmitter can be worn in three ways:

- Around the neck with neck chain attachment (included).
- On a belt with the beltclip attachment (included).
- On the arm with optional wristband accessory (ACC623S or ACC623L, sold separately).

**Caution:** The neck chain included with the pendant transmitter is designed with a breakaway feature for user safety. Substitution of a stronger cord or chain may result in injury to the wearer.

### 3.2 Battery Replacement

Replacement batteries can be purchased from Inovonics using the following part numbers

- BAT609 for a single battery.
- BAT609-25 for a 25-count bulk pack.

To replace the batteries:

1. Remove the three housing screws on the back of the transmitter.
2. Remove the rear cover to expose the side of the board which holds the battery.

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**Caution:** Carefully separate the rear housing cover, ensuring the reset button plunger assembly does not fall out of the housing (Figure 2).

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3. Remove the depleted battery.
4. Slide the new battery under the battery holder, ensuring that it is fully inserted and that the positive terminal (+) faces up (Figure 2).
5. Replace the rear housing cover.
6. Replace the three housing screws, tightening them to 1.25 inch-pounds torque.
7. Once the unit has been sealed, press the reset button located on the rear housing to complete the configuration (Figure 1).

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**Note:** If you do not have a torque driver, tighten to a snug fit, being careful not to strip the housing.

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**Note:** Tighten the housing screws evenly to help ensure a good seal and maintain water-resistance.

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**Caution:** Over-tightening the housing screws can result in microcracks in the plastic, gaps in the gasket material, and/or stripping of the bushing. Any of these conditions can compromise the water-resistance of the device.

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### 4 Test the Transmitter

The transmitter should be tested weekly and after registration to ensure operation.

To test the transmitter:

1. Press both activation buttons simultaneously for at least one second and ensure the transmit LED lights and the alarm is received by the receiver or gateway.
2. Press the reset button and ensure the transmit LED lights.

### 5 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.

Tamper: Type A, portable.

Typical battery life: 1-2 years.

Battery type: Renata CR2450, Panasonic CR2450.

Frequency range: 868 -869 MHz.

EE1223D Compliance: Security Grade 2; Environmental class II.

Output power: 25mW.

Firmware revision: 90481, v3.2.

Countries in which Inovonics European products can be distributed: Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom.

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

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

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### 6 Simplified Declaration of Conformity

Hereby, Inovonics declares that the radio equipment type EE1223D is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following Internet address: [www.inovonics.com](http://www.inovonics.com)

### 7 US Patent Numbers

- 7,154,866.
- 7,554,932.
- 7,746,804.
- Other patents pending.