

EchoStream® EN1233S/D and EN1235S/D Pendant Transmitter Installation Instructions

1 Overview

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 Pendant Transmitter Components

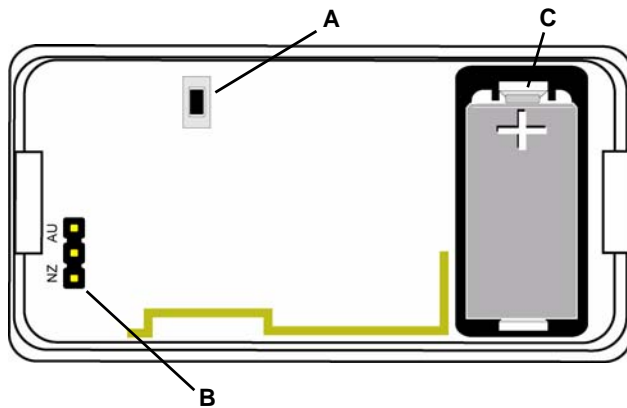


Figure 1 Pendant Transmitter components

A Reset button **B** Frequency band selection pins
C Battery

1.3 What's In The Carton

Individually-packaged products include the following items:

- One belt loop screw
- One selection jumper
- One 3.0V lithium 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 Initial Setup

Install the Battery

1. Pry the housing apart at either end and pull the two halves apart.
2. Install the battery.

Select the Frequency Band

EchoStream products are able to use a range of radio frequencies, and must be configured for your geographic area. This product ships with a default frequency range of 902-928 MHz for use in North America. If you are using the product in North America, skip to "Register the Pendant Transmitter". If you are using the product in Australia or New Zealand, you will need to configure the transmitter.

3. Place a selection jumper on the appropriate frequency band selection pins.
 - Place the jumper on the bottom pins, marked NZ, to set the frequency range to 921-928 MHz for New Zealand.
 - Place the jumper on the top two pins, marked AU, to set the frequency range to 915-928 MHz for Australia.
4. 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 pendant to the wrong frequency band.

Register the Pendant Transmitter

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

Each pendant has a unique factory-programmed identification number. Refer to the control panel's installation instructions for details on registering a transmitter.

5. When prompted by the receiver to reset transmitter, press the reset button.
6. Replace the cover.

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

3 Operation

3.1 Using The EN1233 Pendant Chain

Always use the chain included with the ES1233. Substituting stronger cords or chains may result in injury to the wearer.

3.2 Converting the Pendant Transmitter Belt Clip

If you'd like to convert the pendant transmitter belt clip to a belt loop, secure the bottom of the belt clip to the housing with a coarse thread screw.

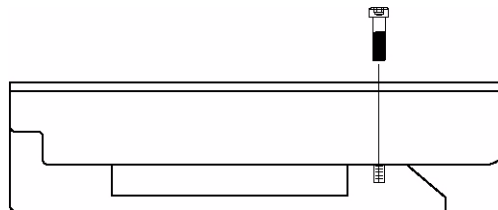


Figure 2 Use a coarse thread screw to secure the belt clip

Printing Instructions

1. Print duplex
2. Align and orient back page to match front page.
3. Cut on dashed line
4. Fold cutsheet in half along the 8.5" axis.

3.3 Operate the Pendant Transmitter

To activate single button transmitters, press the button for at least one second. To activate double button transmitters, press both buttons simultaneously. 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).

3.4 Battery Replacement

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

- BAT608 for a single battery

To replace the battery:

1. Pry the housing apart at either end and pull the two halves apart.
2. Install the battery.
3. Press the reset button to initialize the transmitter.

4 Test the Transmitter

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

To test the transmitter:

1. Activate the transmitter 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

Typical battery life: 3-5 years

Battery type (BAT608): Panasonic CR2 or equivalent

Operating environment: 0 to 60°C (32 to 140°F), noncondensing

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

6 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.

7 FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures.

8 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.

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

9 US Patent Numbers

- 7,154,866
- 7,554,932
- 7,746,804