

EE1247 EchoStream® ShatterPro™ Glassbreak Transmitter

Installation and Operation Manual

1 Overview

The EE1247 is an acoustic glassbreak sensor that transmits digital RF messages to Inovonics EchoStream receivers. The glassbreak sensor module is the wireless ShatterPro, manufactured by GE Interlogix, Inc. The wireless transmitter module is manufactured by Inovonics Wireless Corporation.

1.1 Inovonics Contact Information



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

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

1.2 EE1247 Components

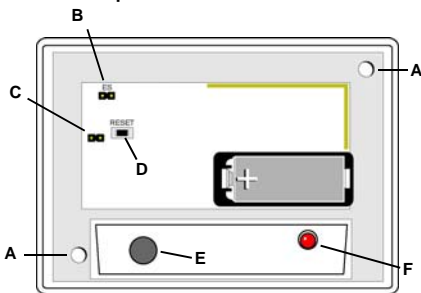


Figure 1 EE1247 Components

- A Mounting holes B EchoStream Select C Tamper pins
D Reset button E Microphone F Sensor LED

1.3 What's in the Carton

- Two drywall mounting anchors.
- Two wall mount screws.
- Two selection jumpers.

2 Installation and Startup

2.1 Installation Notes

- These products are designed to be maintained by professional security technicians.
- Products are tested for indoor use.
- All products should be manually tested weekly.

2.2 Install the Battery

Before installing the EE1247 glassbreak transmitter you will need to install the battery. To install the battery:

1. Install the battery.
2. Press the reset button to initialize the transmitter.

2.3 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 868MHz-only product; if you are not using any EchoStream select products, skip to section 2.4, "Register the Transmitter".

To enable EchoStream Select compatibility:

3. Place a selection jumper on the ES selection pins.
4. Press the reset button.

2.4 Register the Transmitter

EE1247 transmitters must be registered. Refer to receiver, network coordinator or control panel installation instructions to register the EE1247 transmitter. To register the transmitter:

5. Press reset when prompted.

2.5 Mount the EE1247

6. Use the provided anchors and screws to mount the EE1247, paying careful consideration to the following best practices:

- To avoid false alarms, install the unit as a perimeter zone that is armed only when the perimeter doors and windows are armed. Installing the unit as a 24-hour zone can create false alarms.
- Mount the EE1247 at least .91 m (3ft) from the window to be monitored, but no more than 7.62 m (25ft) away.
- Mount the EE1247 at least 1.2 m (4 ft) away from noise sources (televisions, speakers, sinks, doors, etc.).
- Mount the EE1247 so that it is in direct line of sight of all windows to be protected.
- The best location for mounting the EE1247 is on the wall opposite of the window to be protected. The EE1247 may also be mounted on the wall adjoining the window to be protected, or on the ceiling.
- The glass should have the following dimensions:
 - Height and Weight: 0.3 m x 0.6 m (1' x 2ft) or larger.
 - Plate thickness: 2.4 mm to 6.4 mm (3/32" to 1/4").
 - Tempered thickness: 3.2 mm to 6.4 mm (1/8" to 1/4").
 - Wired thickness: 6.4 mm (1/4").
 - Laminated thickness: 3.2 mm to 6.4 mm (1/8" to 1/4").
- Avoid glass airlocks and glass vestibule areas, noisy kitchens and residential car garages.
- Avoid rooms smaller than 3 x 3 m (10 x 10 ft), such as small utility rooms, stairwells and small bathrooms.
- Because the unit is not hermetically sealed, avoid humid rooms.
- Avoid rooms where white noise, such as air compressor noise, is present. (A blast of compressed air may cause a false alarm.)
- Avoid rooms with noise insulation or sound-deadening drapes or with closed, wooden window shutters inside.
- Avoid placing the EE1247 in the corner of a room.

2.6 Test the EE1247

The EE1247 should be tested following installation.

7. Remove the jumper from the tamper pins to test the transmitter. This should cause a tamper fault.
8. To confirm the sensor has power and the microphone and circuit board are functioning, clap your hands loudly in front of the sensor. The LED will blink twice, but the alarm will not trip.
9. For full functionality testing, use the Sentrol 5709C acoustic glassbreak tester to switch the unit into test mode and simulate alarm conditions via sonic bursts.

3 Specifications

Dimensions: 108 x 80 x 43mm (4.2 x 3.1 x 1.7")

Typical battery life: 2 years

Battery (BAT604): 3.0V lithium Panasonic CR123A or approved equivalent

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

RF frequency range: 868-869 MHz (Europe)

Microphone: Omnidirectional Electret

Output power: 25mW.

Firmware revision: 90770, 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.

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

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.

4 Simplified Declaration of Conformity

Hereby, Inovonics declares that the radio equipment type EE1247 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

5 US Patent Numbers

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