

# EN4200 Serial Receiver

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Invented for life



- ▶ Decoding of RF transmissions for use by the interface and control panel
- ▶ Uses reliable frequency-hopping, spread-spectrum technology
- ▶ Serial integration with hundreds to thousands of wireless devices

The EN4200 Serial Receiver is a gateway between security transmitters and a Bosch Security Systems, Inc. control panel. The EN4200 decodes radio frequency (RF) transmissions from end devices and high-power repeaters, and then outputs the data to the panel via a wireless interface module.

## System overview

### Powered by Inovonics

The Inovonics EchoStream platform, powered by Inovonics wireless mesh network technology, ensures superior range, reliability, and scalability for commercial applications. Using a wide range of transmitters and repeaters, this proven technology provides flexibility and performance to meet the most stringent requirements. This exclusive protocol is available only on Inovonics EchoStream products.

### Wireless 900 MHz Band

The Inovonics EchoStream platform sends redundant information on several multi-frequency channels within the FCC Part 15 900 MHz band, providing superior range and reliability. In comparison, systems that use a single frequency technology can only send information on one narrow band channel. Any interference within the band can cause missed signals. With wireless registration, it is easy to add this technology to any application.

## Functions

### Wireless Registration

There is no external programmer required. The transmitter is enrolled using a wireless programming routine built into the receiver. Wireless registration reduces installation time.

### Secure Wireless Implementation

Jam detection monitors all channels for the presence of interference for more than 20 seconds. A reset terminal is inside the receiver, allowing the receiver to accept external reset signals. The receiver includes a case tamper and internal antennas for added security.

### Supervision and Expansion

Transmitter supervisory check-in and a transmitter specific supervisory window, defined in the receiver, support sites with both removable pendants and fixed-position transmitters. The technology also supervises repeaters.

## Certifications and approvals

Inovonics Wireless Corporation holds the following approvals:

FCC

Conforms to FCC Part 15 regulations

## Installation/configuration notes

### Compatibility Information

The EN4200 Serial Receiver is compatible with the following products:

#### Control Panels

All versions of the D9412GV4, D9412GV3, D9412GV2, and D9412G

All versions of the D7412GV4, D7412GV3 and D7412GV2; v6.30 or higher of the D7412G

All versions of the D7212GV4, D7212GV3 and D7212GV2; v6.41 or higher of the D7212G

#### Wireless Interface Module

B820	SDI2 Inovonics EchoStream Interface Module
ISW-D8125CW-V2	Zonex Inovonics EchoStream Interface Module

#### Repeaters

EN5040-T	High-power Repeater
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#### Transmitters

All Bosch Security Systems, Inc. Inovonics EchoStream transmitters

## Parts included

Quant.	Component
1	EN4200 Serial Receiver

## Technical specifications

### Electrical

Power:	10 to 14 V, 100 mA
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### Environmental

Relative Humidity:	Up to 90%, non-condensing
Temperature (operating):	0°C to +60°C (+32°F to +140°F)

### Mechanical

Dimensions:	16.2 cm x 9.4 cm x 2.8 cm (6.4 in. x 3.6 in. x 1.1 in.)
Weight:	133 g (4.7 oz)

### Reception Characteristics

Frequency Compatibility:	901 MHz to 928 MHz
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### Trademarks

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the names only in an editorial fashion and to the benefit of the trademark owner with no intention of infringing the trademark.

Inovonics is a trademark of Inovonics Wireless Corporation.

## Ordering information

### EN4200 Serial Receiver

Contains EN4200 Serial Receiver.  
Order number **EN4200**

### Accessories

#### Zonex Interface and Receiver Kit

Kit containing ISW-D8125CW-V2 and EN4200 for use on Zonex bus G Series panels.  
Order number **ENKIT-01**

#### SDI2 Inovonics Interface and Receiver Kit

Kit containing B820 and EN4200 for use on SDI2 bus panels.  
Order number **ENKIT-SDI2**

**Represented by:**

**Americas:**

Bosch Security Systems, Inc.  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
security.sales@us.bosch.com  
www.boschsecurity.us

**Europe, Middle East, Africa:**

Bosch Security Systems B.V.  
P.O. Box 80002  
5617 BA Eindhoven, The Netherlands  
Phone: + 31 40 2577 284  
Fax: +31 40 2577 330  
emea.securitysystems@bosch.com  
www.boschsecurity.com

**Asia-Pacific:**

Robert Bosch (SEA) Pte Ltd, Security  
Systems  
11 Bishan Street 21  
Singapore 573943  
Phone: +65 6571 2808  
Fax: +65 6571 2699  
apr.securitysystems@bosch.com  
www.boschsecurity.asia

**China:**

Bosch (Shanghai) Security Systems Ltd.  
201 Building, No. 333 Fuquan Road  
North IBP  
Changning District, Shanghai  
200335 China  
Phone +86 21 22181111  
Fax: +86 21 22182398  
www.boschsecurity.com.cn

**America Latina:**

Robert Bosch Ltda Security Systems Division  
Via Anhanguera, Km 98  
CEP 13065-900  
Campinas, Sao Paulo, Brazil  
Phone: +55 19 2103 2860  
Fax: +55 19 2103 2862  
latam.boschsecurity@bosch.com  
www.boschsecurity.com