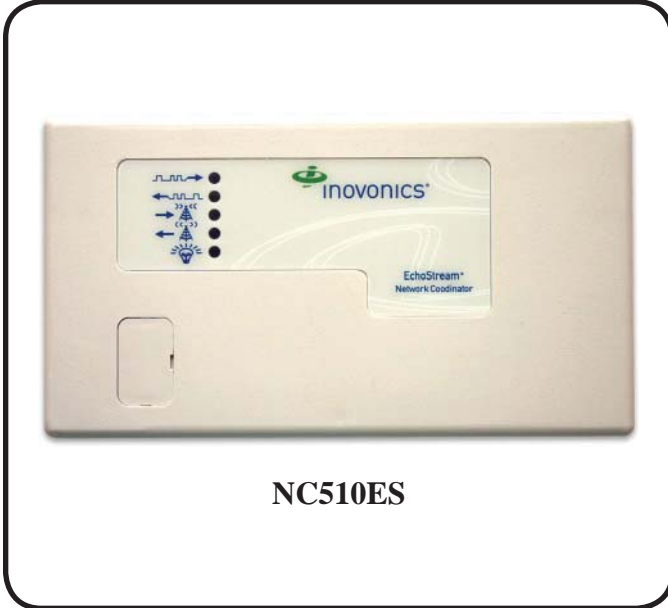




# NC510ES Receiver Specification Sheet

IL802  
Section E  
Rev. 5 - 02/2012



**NC510ES**

## ARCHITECTS' AND ENGINEERS' SPECIFICATION

The receiver shall be TekTone® NC510ES or approved equal. The receiver shall interface with the NC501ES Master Station Computer. A serial data interface shall translate messages from the wireless receiver to the NC501ES. The receiver shall manage signals between end devices, high-power repeaters, and the NC501ES Master Station Computer. The receiver shall report the following transmitter fault conditions: low battery, tamper and missing. The receiver shall use a frequency-hopping spread spectrum with an operating frequency of 902–928 MHz.

TekTone® has designed Tek-CARE®500 to work as a system. Its master station computer has been carefully designed and matched to work with Tek-CARE®500 wireless and wired peripherals. TekTone® will not warrant or support components of Tek-CARE®500 that are purchased separately unless the components are add-ons to previously sold systems. TekTone® will also not warrant or support a system that is a mix of TekTone® and Non-TekTone® parts, unless prior permission has been obtained. A site survey must be performed and submitted before ordering a Tek-CARE®500 system. In order to track our systems and to inform facilities of software upgrades, full site information (site name, address and phone number) will be required when ordering. Site information and master station computer warranty numbers will also be required when requesting technical support.

## FEATURES

The NC510ES Receiver enables communication between transmitters and the NC501ES Master Station Computer in a Tek-CARE®500 Wireless Emergency Call System. The NC510ES facilitates the supervision of all transmitters. The NC510ES's 900 MHz spread-spectrum radio provides reliability, even in hostile or difficult radio environments. EchoStream® technology with diversity reception and advance signal processing minimizes nulls or dead spots. The NC510ES Receiver includes slots through the side and bottom of the case for wiring. Transmitters are programmed using default information stored in the receiver.

- Facilitates supervision of transmitters
- 900 MHz spread-spectrum radio
- Snap-on/pry-off cover

## SPECIFICATIONS

- Dimensions: 6.5"W × 3.5"H × 1.0"D  
(165 mm × 89 mm × 25 mm)
- Weight: 5.3 oz.
- Power Required: 12 VDC provided by PK510 Power Supply/PC Interconnect Assembly
- Frequency: 902–928 MHz frequency-hopping spread spectrum
- Environment: 0°–60°C (32°–140°F) and up to 90% non-condensing relative humidity

## REQUIRED COMPONENTS

- Tek-CARE®500 Wireless Emergency Call System

[www.tektone.com](http://www.tektone.com)

277 Industrial Park Road • Franklin, NC 28734 • [tektone@tektone.net](mailto:tektone@tektone.net)

Phone: (828) 524-9967 • Fax: (828) 524-9968 • Sales: Choose option 2 • Tech Support: Choose option 3

**TekTone®'s quality system is registered by UL® to the ISO 9001 standard. (Reference #10001510.)**