



# SmartWireless®

## RXT Configuration Tool

GAS DETECTION SENSORS ■ INTEGRATED CONTROL SYSTEMS ■ SMARTWIRELESS® ■ PIPELINE ANALYZERS ■ ALARMS

## Description

The RXT Wireless Configuration Tool is a custom device designed to configure Detcon's RXT-300 and RXT-320 SmartWireless® transceivers. These RXT series transceivers make wireless communication possible between controllers, sensors, and alarm stations in any gas detection system. The RXT Wireless Configuration Tool is used to synchronize and change wireless channels on any RXT transceiver and to configure RXT-300 wireless networks.

The RXT Wireless Configuration Tool is lightweight yet powerfully equipped and has a 10.1" touch panel widescreen LCD for display and user input. The device interfaces with a USB wireless radio equivalent to that installed in the RXT transceivers for easy communication and accurate configuration.

The device is powered by 100-240VAC with supplied AC adapter, or can operate off an internal rechargeable battery for up to 8 hours on a single charge.

The radios in the Configuration Tool and RXT transceivers are Radio Frequency Engines (RFE) based upon the IEEE 802.15.4 standard. In order to communicate with each other, each device within the network must be set to the same RF channel and Network ID. The radios can be set to one of 16 RF channels (0-15) and many thousand Network IDs. Consequently, up to 16 RXT series based systems can be located in the same general area.



## Features

- ▶ Configure RXT Series Transceivers & Networks
- ▶ 10.1" Touch Panel LCD
- ▶ Interfaces with USB Wireless Radio
- ▶ Battery Operates up to 8 Hours
- ▶ 2 Hour Charge Time

## Applications

- ▶ Oil and Gas Drilling Rigs
- ▶ Oil and Gas Production Sites
- ▶ Wastewater Treatment Plants
- ▶ Food and Beverage Processing
- ▶ Pulp and Paper Mills
- ▶ Refining and Petrochemical

## System Specifications

### Processor/Cache

Intel Atom Z670 processor (1.5 Ghz)

### Inputs

Touch (Capacitive Multi-Touch) and Pen (Active Stylus)

### I/O Ports

1 USB  
1 Video Out (micro-HDMI, Type D)  
1 SD Card  
Power Jack  
Dock Connector

### System Memory

1GB or 2GB 800MHz DDR2

### System Storage

30GB Solid State Drive (SSD)  
SATA 2.0 at 3.0Gb/s

### Warranty

One Year

## Environmental Specifications

### Operating Temperature Range

41°F to +109°F, +5°C to +43°C

## Mechanical Specifications

### Display

10.1" Wide (LED Backlit, 1366x768) Dual Bonded

### Dimensions

10.9" W x 7.06" H x .61" D; 276mmW x 179mmH x 15mmD

### Weight

4lbs; 1.81kg

## Order Guide

Part Number	Description
976-0003FF-000	SmartWireless® Network Configuration Tool

## Electrical Specifications

### Input Voltage

100-240VAC~1.5A, 50-60Hz  
Lithium-Ion Battery with 43WHr capacity (up to 8 hours)

### Power Consumption

65W, AC Adapter

## Wireless Specifications

### Frequency

ISM 2.4GHz

### Range

Indoor/No Line of Sight – 1,000ft  
Outdoor RF Line of Sight – 1 Mile

### Spread Spectrum

Digital-Sequence Spread Spectrum (DSSS)

### Modulation

0-QPSK

### Sensitivity

-102dBm (1% PER)

Specifications subject to change without notice

Houston ■ Odessa ■ Shanghai ■ Dammam ■ Del Carmen ■ Europe



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