



RC Systems has engineered and manufactured industrial electronic products for the instrumentation industry since 1979. As critical alarm monitoring experts, we specialize in interfacing various sensors and analyzer devices to our alarm and display products. Our products are known for their reliability, performance, and ease of use for applications where maintenance and safety are crucial. Some of these applications include fixed and temporary ambient gas detection as well as numerous other multi signal monitoring applications. In addition, we provide various solutions for hard wire or wireless systems. Our wireless monitoring ability/strategy continues to provide recognized solutions for countless customers worldwide.

## Site Survey Toolkit (SST)

The hand-held WaveNet Site Survey Tool (SST) is designed with modes of operation for simulating R. C. Systems WaveNet products including WaveCast Monitors (WCM's), WaveLink Receivers (WLR's) and WaveNet Relayers (WNR's). SST's are supplied with either a 900MHz or 2.4GHz integrated radio module depending upon which WaveNet frequency it is ordered for.

A single SST is very useful for commissioning and troubleshooting WaveNet systems that are already installed at a site. However, it is highly recommended that two SST's be used to survey sites and approve device locations prior to installation. One SST may be set as a SERVER in Rx (receive) mode while another is set as a CLIENT in Tx (transmit) mode. The SERVER SST simulates WLR or WNR locations while the CLIENT simulates WCM locations. SST diagnostic features include Rx/Tx counters and RSSI (Received Signal Strength Indication) trending to determine signal strength and link integrity for the proposed wireless network.

SST's are powered either by a replaceable non-chargeable 9V Lithium battery or externally by a 1 amp 12VDC wall wart or automotive power point (cigarette lighter). The sturdy RP-TNC antenna connector supports a standard local rubber antenna or optional coax cabling to a remote stationary antenna. It is very important to evaluate sites using the same antennas intended for the installation. If longer distances require Yagi directional antennas then these should also be used during a site survey.

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### FEATURES

- Backlit graphic LCD readout
- Scans airwaves for "In-Range" WaveNet networks upon demand and at power-up
- RSSI values are trended over time and indicated in dBm for each reception
- Rx Client mode allows "Snooping" without affecting installed WaveNets
- Rx/Tx counters allow calculation of missed data packets over time
- Rx mode timer indicates elapsed time between received messages for each channel
- Tx mode offers special channel 33 for testing the wireless link to receivers without tripping alarms
- Programmable backlight and power off timers to conserve battery



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