

# Spectrum Sweeper

## X SWEEPER



The X Sweeper is a nearfield receiver with a graphical display that displays the nearfield RF (analog only) in a spectrum format, allowing the user to rapidly observe all signals that are present, not just one single frequency at a time. Once a signal is received, the X Sweeper demodulates the FM audio through its built in speaker. With a frequency range of 30MHz - 3GHz, the X Sweeper can sweep and lock onto a broad range of frequencies in a matter of seconds. The 25 button keypad allows easy access to all functions, provides a direct numerical entry for the center frequency of the sweep range to be easily selected, and easily tunes to a specific frequency in VFO mode.

The X Sweeper has 4 different modes, SWEEP, MEMORY, SCAN, and VFO.

**SWEEP MODE:** The center frequency and sweep span may be changed by direct entry from the keypad. The 10 sweep spans are, 3GHz, 1GHz, 300MHz, 100MHz, 30MHz, 10MHz, 3MHz, 1MHz, 300kHz and 100kHz.

**MEMORY MODE:** The X Sweeper has 10 different memory banks with the ability to hold up to 100 different frequencies in each bank. This gives the X Sweeper 1000 unique memories and the ability to store up to 65,000 hits per frequency. Each time a signal is received it is automatically stored with a time and date stamp as well as a relative signal strength reading.

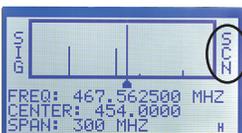
**SCAN MODE:** The X Sweeper will scan all frequencies in a specific bank that were previously saved while in SWEEP or VFO mode. This is a convenient way to determine if frequencies captured from an earlier session are still active.

Antenna sold separately

**VFO MODE:** The X Sweeper may be tuned to specific frequency in VFO mode. Frequencies may be programmed and saved to a specific memory bank for inclusion in SCAN mode. Frequencies may also be saved to MEMORY mode and locked out.

The X Sweeper has a built-in RS232 port for downloading data from memory (cable and software included). A CI5 port is also available and can be used for performing the Optoelectronics patented Reaction Tune function.

### SCAN



The X Sweeper has the ability to scan frequencies already saved to memory helping to determine if frequencies captured previously are still active.



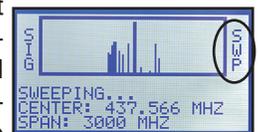
There are 10 unique memory banks holding up to 100 different frequencies in each bank. Store Frequency, Hits, Signal Strength, Time, Date, and Lat/Long. (GPS option required)

### VFO



Tune to a specific frequency by entering that frequency directly into the keypad while in VFO mode. A frequency may be stored and then manually locked out in MEMORY mode.

Sweep 30MHz-3GHz in one second and display the nearfield RF present (analog only). Once a signal is detected, the FM audio is demodulated through the speaker. There are 10 different span widths from 3GHz to 100kHz.



There are 10 different sweep spans (3GHz, 1GHz, 300MHz, 100MHz, 30MHz, 10MHz, 3MHz, 1MHz, 300kHz and 100kHz). If the center frequency was entered as 400 MHz and sweep span was selected as 100MHz, the X Sweeper would sweep from 350MHz to 450MHz and display any signals outside this range would not be displayed.

