



# RADIOWORLD

Check [www.RadioWorld.co.uk](http://www.RadioWorld.co.uk) For Latest Prices

**263 Walsall Road, Great Wyrley, Walsall, WS6 6DL**

Established 1997. Open Monday - Friday 9am - 5pm and Saturday 9.30am - 4pm

Tel: **01922 414 796** Fax: **01922 417829** Skype: **radioworld\_uk**



## **X-SWEEPER** **Optoelectronics FM** **Nearfield Receiver with** **Spectrum display** **£1699.96**

### **DESCRIPTION**

The Optoelectronics 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 5 different modes: SWEEP, SCAN, VFO, MEMORY and LOG MEMORY

**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.



## Frequency Range

30MHz - 3GHz (Cellular Frequencies Blocked except for FCC Approved Users, analog only)

## Modulation

FM, Deviation < 100KHz

## Frequency Response

50-3000MHz

## Auto Sweep Time

<1 Second

## Input Impedance

50 Ohm

## Connector

Female BNC

## Sensitivity (typical)

100uV @ 30MHz-700MHz

150uV @ 800MHz

500uV @ 1GHz

40mV @ 2.4-3GHz

## Display

64 X 128 Graphical Display with white LED backlight

## Inputs/Outputs

3.5mm mono headphone jack, 2.5mm mono Reaction Tune jack, 3.5mm stereo RS232 jack

## Power

8 AA Alkaline, NiCad or NiMH

## AC Adapter

9-12VDC / 500mA / center positive

## Frequency Display

## Features

7 digit with 1 kHz resolution

- Sweeps range of 30MHz to 3GHz in one second

## Signal Strength

- 10 different sweep spans ranging from 3GHz to 100kHz

50 segment bargraph, relative reading, uncalibrated

- 64X128 graphical display with white LED backlight

## Real Time Clock

- Built-in VFO mode for manually tuning to a specific frequency

## Internal Calibration Adjustment

- Super Sensitivity: Receive two-way communications up to 1/4 mile away

## GPS Receiver (optional)

- 10 memory banks with 100 frequencies in memory for each bank

L1 (1575.42MHz) frequency, C/A code, 8 channel, continuous tracking receiver, 32 correlators

- Record frequency, hits (65,000), time/date, signal strength,lat/long (GPS optional)

## GPS Antenna (optional)

- RS232 interface for memory download

Gain 20dBic typical, Beamwidth >120 degrees, VSWR 2.3:1

- Real-Time Clock with battery back-up

- Lockout up to 1000 frequencies

- CI5 interface for Reaction Tune

- Internal Speaker, Audio earphone/headphone jack

- Battery operated (8 AA alkaline (included), NiCad or NiMH)

- Ideal for Homeland Security, Two Way Radio, Broadcast and more

## Technical Specifications