



Consultix MRX-Pro CW Receivers

Compact . Fast . Battery-operated



ULTRA PORTABLE

Frequency: 150 MHz to 3900 MHz
Weight: < 600 gm
Built-in Battery: > 90 Minutes

CellWizard™ MRX-Pro is a very compact, multi-band, battery-operated CW scanner covering all cellular and public safety bands from 150 MHz to 3.9 GHz.

Whether you use it for site survey, model calibration or DAS testing, the receiver is operated by the company's WALKVIEW™ data collection software to automatically test & scan multiple CW signals via a very simple and intuitive user interface.

Test results including RSSI levels & location information are displayed on the software and can be archived or exported into a variety of design tools or radio planning software.

Superior RF

- . Frequency Range: 150 MHz to 3900 MHz
- . Amplitude Accuracy: ± 1 dB
- . 40- λ lee Criteria Conformance: 550 samples/second
- . Multi-Channel Scanning up to 12 Channels
- . Distance Sampling Mode with Wheel Trigger Support

WalkView Software

- . Indoor and Outdoor Android versions
- . Outdoor Windows version with NMEA GPS support
- . Supports Wide Range of Maps and Floors
- . Format compatible with ASSET, Atoll, Planet, iBwave, Mapinfo etc.

Specifications	
Frequency Bands	150 MHz to 3 GHz (3.9 GHz optional)
Number of Ports	One (Two optional)
Simultaneous Channels	12 Channels outdoor (High-speed GPS mapping mode) 12 Channels indoor (High-speed indoor time sampling) 10 Channels indoor (Low-speed indoor floor mapping)
Sampling-Speed	High-speed mode: 550 samples / second * Low-speed mode: 8 samples/ channel/second
High-speed Indoor Time Sampling	Raw data with time stamp (No plotting)
Low-speed Indoor Floor Mapping	Raw data with indoor position (Manual floor tapping)
Frequency Step	12.5 KHz (150 to 1500 MHz) 50 KHz (1500 to 3900 MHz)
IF Bandwidth	25 KHz
Adjacent Channel Rejection	-35 dB
Internal Frequency Accuracy	2 ppm
Displayed Average Noise Level	-127 dBm (150 to 3000 MHz) -122 dBm (3000 to 3900 MHz)
Maximum Input Power	-45 dBm
Level Measurement Accuracy	±1 dB (typ. ±0.5 dB) (95 % Confidence Level, +20 °C to +30 °C, SNR > 16 dB)
Data Averaging	40 Lambda Average (Available in Exported Averaged Data File)
Distance Sampling	Odometer Interface (MRX-Pro-e models only)
Interfaces	2 x 50 Ohm SMA Female, USB and DC Socket
Battery and Power Supply	
Battery	Li-Po, 1700 mAh
AC Charger	Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 2 A
Battery Time	90 Minutes @ Continuous Operation (Car Charger Available for Extended Testing)
Physical	
Enclosure	Industrial, Water and Dust Tight Extruded Aluminum with Silicone Boot Protectors
External Dimensions	140 x 87 x 53 mm
Weight (incl. Battery)	600 gm
Operating Temperature	-10 to +40 °C
Measurement Collection Software	
Walkview	Multi-channel high-speed outdoor mode. Multi-channel high-speed indoor mode (time sampling raw data without mapping)
Walkview Android-Outdoor	Single-channel high speed outdoor mode
Walkview Android-Indoor	Multi-channel low-speed walk-test mode (Manual floor tapping)
Standard Accessories	
AC Charger, USB Cable, Calibration Certificate and User Manual	

Ordering Information	
Compact high-end Receiver; Single-Port, 150 MHz to 3000 MHz	MRX-Pro
Compact high-end Receiver; Dual-Port, 150 MHz to 3000 MHz	MRX-Pro-2
Compact high-end Receiver; Single-Port, 150 MHz to 3900 MHz. Incl. Odometer Interface	MRX-Pro-e
Compact high-end Receiver; Dual-Port, 150 MHz to 3900 MHz. Incl. Odometer Interface	MRX-Pro-e2
Frequency range license: 3000 MHz to 3900 MHz	MRX-Pro-K39
Ruggedized carrying case	RX-HardCase
Cellular omnidirectional whip antenna; 698MHz ~ 960MHz & 1.71GHz ~ 2.69GHz	RX-34-CA0
Multi-band car mount antenna (698-3500MHz)	MRX-34-CM1
Car charger	MRX-34-CC
PC Walkview license; outdoor CW drive-test mapping and export. (Multi-channel)	WalkView
Android Walkview License; CW walk-test mapping and export. (Multi-channel)	WalkView-Android-Indoor
Android Walkview License; outdoor CW drive-test mapping and export. (1-Channel)	WalkView-Android-Outdoor
Additional outdoor simultaneous channel for MRX-Pro or PathFinder	RX-nCH

* Sampling Speed is Divided Among All Active Channels

Find us:

133, St. 17, Mohammed Farid Axis, 11835 New Cairo, Egypt.
+2 02 25604930 sales@consultixwireless.com

www.consultixwireless.com