ANDRE®

DELUXE

NEAR-FIELD DETECTION RECEIVER

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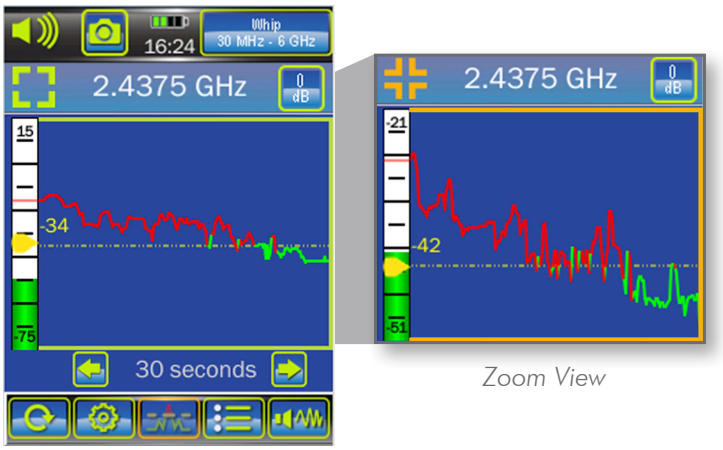
The ANDRE® is a hand-held broadband receiver that detects known, unknown, illegal, disruptive, or interfering transmissions. The ANDRE® locates nearby RF, infrared, visible light, carrier current, and other types of transmitters. The ANDRE® is portable, non-alerting, and ideal for locating hidden eavesdropping devices.



Zoom View

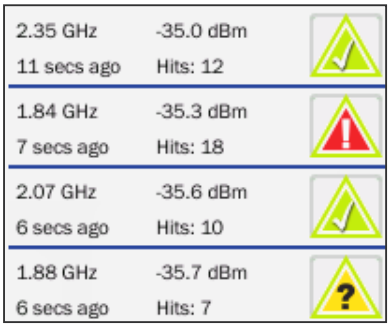
The signal strength histogram displays RF levels over user-selected time intervals ranging from 5 seconds to 24 hours.The adjustable trigger level provides audio, haptic, and visual alerts when RF levels exceed the threshold.

The ANDRE® has a 90 dB dynamic range. With zoom view, a 30 dB portion of the range is displayed. This reduced scale enables users to easily see small changes in RF signal activity on the histogram.

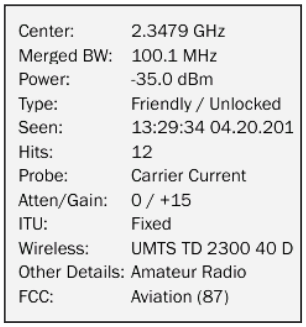
The frequency counter generates a list of signals that exceed the trigger level. The strongest signals rise to the top of the list and weaker ones fall off after the maximum number of signals is reached. Signals can be classified as Friendly, Threat, or Unknown. Double tapping any signal brings up more information. The ANDRE® contains known regulatory or other uses of given frequency bands.

Applications

- Detects RF emissions such as WiFi, bluetooth, cell phones, illicit transmitters, etc.
- Interference detection and troubleshooting
- RF research and development
  - Wireless industry developers
  - Hobbyists and RF enthusiasts
  - Educational institutions
- Corporate security surveys for illegal, unauthorized, or threatening transmitters
- Measuring or detecting acoustic leakage or ultrasonic mechanical vibrations



The Signal List feature automatically generates a list of signals that exceed a user defined threshold.



Clicking on individual signals reveals more information and characteristics

New ANDRE® Deluxe Reporting Features

DATA LOGGING - this new software feature provides histogram data for downloading to a PC and viewing in the ANDRE® Data Viewer software. Data provided includes time/date, signal amplitude, user settings, probes, chart duration and detailed frequency band information. There are 3 optional modes:

- 250 hours and 500ms resolution
- 25 hours and 50ms resolution
- 30 minutes and 1ms resolution

DATA VIEWER - PC application generates histogram charts from Data Logging files. Includes zoom and scroll controls for more detailed view.

All ANDRE® models can save .png screenshots, .csv signal lists, and 10 second demodulated audio files that can be opened in commercial programs.

ANDRE® DELUXE ANTENNAS

Quickly and discretely identify RF transmission sources using the ANDRE® Deluxe's wide range of accessories specifically designed to receive transmissions across a 10 kHz to 12 GHz frequency range. The ANDRE® auto-reconizes the attached accessory and displays the correlating frequency band. Advanced and Basic packages are also available with fewer accessories, details available on the REI® website.

(A) WHIP ANTENNA: 30 MHz - 6 GHz
A general all-purpose near-field antenna with frequency bandwidth and physical size to suit many scenarios.

(B) VLF LOOP: 10 kHz - 30 MHz
Used to find transmitters broadcasting RF at very low frequencies.

(C) CARRIER CURRENT PROBE: 100 kHz - 60 MHz
Tests power lines up to 250 Volts for modulated signals. Users can measure Hot/Neutral, Neutral/Ground, and Hot/Ground pair configurations.

IR/VISIBLE LIGHT SENSOR: 10 kHz - 50 MHz
Is built-in to the top panel of the unit. When no other attachment is present, this is the default ANDRE® input used to detect infrared transmitters.

(D) LOCATOR PROBE: 20 MHz - 6 GHz
Should be used in environments with a very high RF noise floor. It is designed to detect RF signals in close proximity of the probe.

(E) CONCEALED ANTENNA: 750 MHz - 6 GHz
Used for covert detection. When connected, the ANDRE® automatically enables haptic feedback mode and shuts off the display and power LED.

(F) AUDIO TRANSFORMER: 300 Hz - 20 kHz
Has the ability to add positive and negative bias voltage in order to activate microphones present and tests low voltage wiring for unmodulated signals.

(G) ACOUSTIC LEAKAGE DETECTOR: 300 Hz - 20 kHz
Allows users to listen for acoustic leakage vulnerability by placing the probe against structural objects (walls, windows, etc.).

(H) DIRECTIONAL ANTENNA: 70 MHz - 500 MHz
This flag-shaped antenna provides directional coverage for lower frequency signal detection.

(I) ULTRASONIC PROBE: 15 kHz - 80 kHz
Detects sound waves operating above the upper limit of human hearing capabilities.

(J) DOWN CONVERTING ANTENNA: 500 MHz - 12 GHz
Converts signals occurring above the standard 6 GHz threshold so they can be detected and displayed on the ANDRE®.

ACCESSORIES - The ANDRE® Deluxe comes equipped with a Boom Extender for hard to reach areas, an IR Filter to block out Visible Light, a Probe Tripod Stand for in-place monitoring, both 4 ft (1.2 m) and 9 ft (2.7 m) connector cables , and a 5 ft (1.5 m) powered connector cable to be used with the Down Converter and Directional antennas.

PRODUCT CHARACTERISTICS

RF DETECTOR

Sensitivity: -75 dBm for 3 GHz frequency (typical at RF input)
Stepped attenuation/gain control: -20 dB, -10 dB, Off, +15 dB

AUDIO

Built-in speakers with adjustable volume control
Tone style options: rising pitch, steady tone, off

DISPLAY

3.5 inch (4 cm) capacitive touch screen
Screen brightness: high, medium, low

INPUT/OUTPUT

USB data port for software upgrades and file transfer

POWER

Input: USB internal charger
Run time: > 5 hours per battery (typical)
Charge time: 1.5 hours per battery (typical, 80% charge),
< 3.5 hours per battery (typical, 95% charge)
Batteries: Nitecore 18650 Lithium Ion Rechargeable Battery Model #NL189, rated 3.7V, 3400mAh, 12.6Wh
(2 included with ANDRE®, 4 included with Advanced and Deluxe packages)
External USB charger included with Advanced and Deluxe packages

MECHANICAL

Case dimensions: 6.25 in x 14.9 in x 18.5 in
(15.9 cm x 37.8 cm x 47.0 cm)
ANDRE dimensions: 3.4 in x 5.7 in x 1.0 in
(8.7 cm x 14.4 cm x 2.5 cm)
ANDRE weight with batteries: 0.65 lbs (0.3 kg)
Case weight with ANDRE® Deluxe & accessories: 12 lbs (5.4 kg)

ENVIRONMENTAL

Operating temperature: -10° C to 50° C
Battery charging temperature: 0° C to 35° C
Storage temperature: -20° C to 50° C
Note: extended storage at temperatures above 40° C could degrade battery performance and life.

ANDRE PACKAGES

PROBES / ACCESSORIES	BSC	ADV	DLX
Whip Antenna (30 MHz – 6 GHz)	●	●	●
VLF Antenna (10 kHz – 30 MHz)	●	●	●
Carrier Current (100 kHz - 60 MHz)	●	●	●
Built-in IR/Visible Light Sensor (10 kHz - 50 MHz)	●	●	●
Log Periodic Antenna (500 MHz - 6 GHz)		●	
Locator Probe (20 MHz – 6 GHz)		●	●
Concealed Probe (750 MHz – 6 GHz)		●	●
Audio Transformer (300 Hz - 20 kHz)		●	●
Acoustic Leakage Detector (300 Hz - 20 kHz)		●	●
Standalone Battery Charger		●	●
Extra Batteries (2)		●	●
Down Converter Antenna (500 MHz - 12 GHz)			●
Ultrasonic Probe (15 kHz - 80 kHz)			●
Directional Antenna (70 MHz - 500 MHz)			●
Data Logging			●
*PC Data Viewer			●
Boom Extender, Probe Tripod, IR Filter, powered connector cable			●

*PC Data Viewer can be downloaded and allows the user to view and analyze Data Logging information for report writing

REI® Training Center is the largest commercially available TSCM training facility in the world. Courses teach basic and advanced procedural concepts of conducting a counter surveillance investigation. All courses include hands-on exercises in dedicated project rooms that simulate threat scenarios. Custom, on-site training courses are also available

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