



ANDRE™

Advanced Near-field Detection Receiver



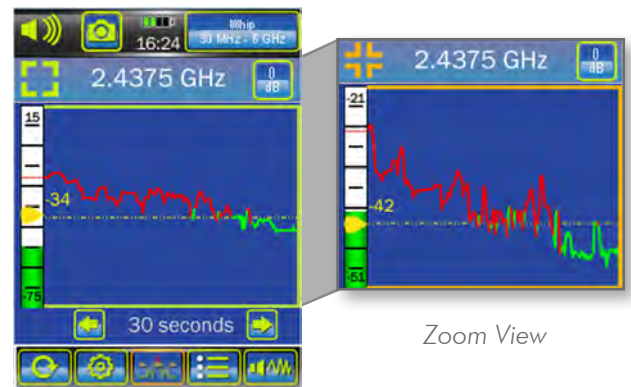
ANDRE™

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.

Histogram Display with Zoom View

The ANDRE features a signal strength histogram displaying RF levels over user-selected time intervals ranging from 5 seconds to 24 hours. A user-designated trigger level provides audio, haptic, and visual alerts when RF levels exceed a specific threshold.

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



Signal Information & Band Details

The ANDRE automatically generates a list of signals logged by the frequency counter that exceed the trigger level. The strongest signals rise to the top of the list and weaker signals 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.

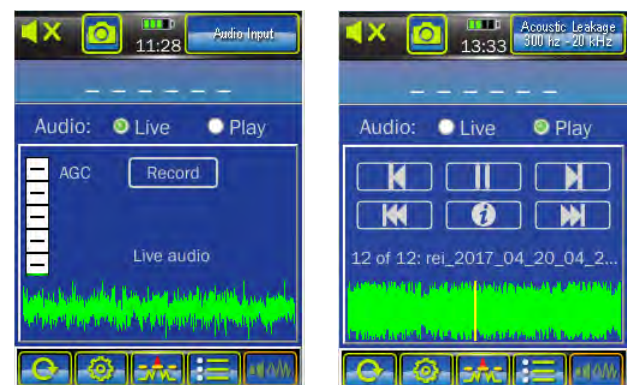


Audio Mode

The ANDRE's audio features allow the user to listen to the audio input and live demodulated signals from RF sources. The ANDRE demodulates AM signals and is capable of demodulating FM signals with AM components.

Ten second audio files can be recorded, stored, and played back.

Users can listen for tonal changes in the live audio stream as well as visualize movement in the bargraph as changes in received signal strength occur.



ANDRETM ADVANCED KIT

Quickly and discretely locate threats using a wide range of accessories included in the **ANDRE Advanced Kit** that are designed to receive transmissions across a 10 kHz to 6 GHz frequency range:



Whip Antenna* (30 MHz - 6 GHz)

The Whip/Dipole antenna is a general purpose, near-field probe used to locate RF transmitters. Due to its frequency bandwidth and physical size, the Whip/Dipole is an excellent probe to start off any investigation.

Log Periodic Antenna (500 MHz - 6 GHz)

The Log Periodic is designed to operate in a directional fashion, meaning users should point the end of the antenna directly at the target area, moving back and forth.



VLF Loop* (10 kHz - 30 MHz)

The VLF Loop antenna is used to find transmitters broadcasting RF at low frequencies.



Locator Probe (20 MHz - 6 GHz)

The locator probe 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.



Acoustic Leakage Detector (300 Hz - 20 kHz)

Using the ALD, users can listen for acoustic leakage vulnerability of a particular room by placing the probe against structural objects such as walls or windows.



Concealed Antenna (750 MHz - 6 GHz)

The concealed antenna is used for covert detection. When connected, the ANDRE automatically disables any alerting features by turning the speaker off, enabling haptic feedback mode, and shutting off the display and power LED.



Audio Transformer (300 Hz - 20 kHz)

The audio transformer has the ability to add positive and negative bias voltage in order to activate microphones present. Tests low voltage wiring for unmodulated signals.



Carrier Current Probe* (100 kHz - 60 MHz)

The carrier current probe tests power lines up to 250 Volts for modulated signals. Users can measure three different pair configurations: Hot/Neutral, Neutral/Ground, and Hot/Ground.



Infrared/Visible Light* (1 kHz - 70 MHz)

The IR/VL probe is built-in to the top panel of the unit. When no other attachment is present, this will be the default probe used when operating the ANDRE.



**Basic kit also available with four probe attachments: Whip, VLF Loop, Carrier Current, and built-in Infrared/Visible Light*



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MARKETING CHARACTERISTICS

ANDRE APPLICATIONS

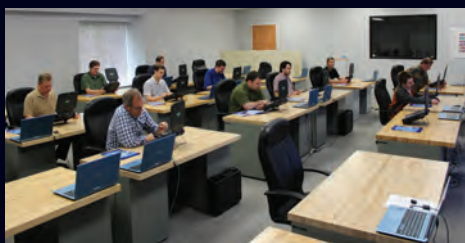
DETECTS RF EMISSIONS SUCH AS WIFI, BLUETOOTH, CELL PHONES, ILICIT TRANSMITTERS, ETC.

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



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 ANDRE Advanced)
External USB charger included with ANDRE Advanced

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 & accessories: 9 lbs (4.1 kg)
Case weight with ANDRE Advanced & accessories: 11 lbs (5.0 kg)

THERMAL

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.



POST INVESTIGATION RESOURCES

Signal lists, screen shots, and demodulated audio can be exported and reviewed on a PC for report writing.



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