

ANDRE™ ADVANCED KIT

The ANDRE is a handheld 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. Access to eavesdropping and electronic bugging devices is becoming easier and more affordable. Quickly and discretely mitigate these threats using a wide range of accessories included in the ANDRE Advanced Kit that are specifically designed to receive transmissions across a 1 kHz to 6 GHz frequency range.

Technical security specialists will appreciate the portability and responsiveness of the ANDRE. It is an excellent complement to an OSCOR Spectrum Analyzer as a preliminary non-alerting tool.

APPLICATIONS

- Emissions detection of WiFi, bluetooth, cell phones, illicit transmitters, etc.
- Interference detection and troubleshooting
- Contraband detection in correctional facilities
- 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



INCLUDED ACCESSORIES

The ANDRE Advanced Kit includes accessory probes to expand or narrow the reception range depending on the application. The ANDRE automatically recognizes attached probes and displays the correlating frequency band:

	Frequency Range
(a) Whip Antenna*	30 MHz - 6 GHz
(b) VLF Loop*	10 kHz - 30 MHz
(c) Locator Probe	20 MHz - 6 GHz
(d) Concealed Antenna	750 MHz - 6 GHz
(e) Acoustic Leakage Detector	300 Hz - 20 kHz
(f) Audio Transformer	300 Hz - 20 kHz
(g) Carrier Current Probe*	100 kHz - 60 MHz
(h) Log Periodic Antenna	500 MHz - 6 GHz
Infrared/Visible Light Probe (built-in)*	1 kHz - 70 MHz



*Basic package available with four probe attachments.

ANDRE™

ADVANCED NEAR-FIELD DETECTION RECEIVER



DISPLAY: 3.5" (4cm) capacitive touchscreen

BUILT-IN SPEAKER and external headphones with adjustable volume control

RF DETECTOR SENSITIVITY:
-75 dBm for 3 GHz frequency
-85 dBm for probes providing frequency at 500 MHz

FREQUENCY COUNTER provides frequency of strongest signal

STEPPED ATTENUATION CONTROL: 30dB, 20dB, 10dB, Auto, off

GAIN CONTROL: +15dB, off

AUDIO AMPLIFIER for basic audio testing with oscilloscope display

BUILT-IN FREQUENCY DATABASE of commercial RF bands

AUDIO DEMODULATION: analog AM and FM audio with oscilloscope

TRIGGER ALERT function provides warnings when RF levels exceed defined thresholds

HAPTIC RESPONSE gives interactive feedback

RSSI TONE changes pitch respective to signal strength

SCREEN SHOT capture and store screen shot for review and reporting

USB PORT for software upgrades, file transfer, and power charging

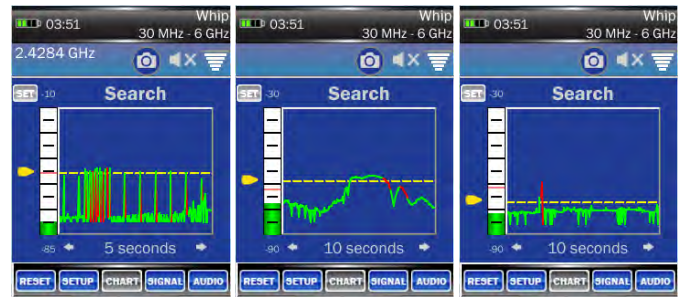
BATTERIES: 3400 mAh lithium ion rechargeable battery (2 included), USB recharger

RUN TIME: >5 hours (typical)

FEATURES & BENEFITS

HISTOGRAM DISPLAY

The ANDRE features a signal strength histogram displaying RF levels over user-selected time intervals ranging from 5 seconds to 12 hours. Observe differences between (a) digital, (b) analog, and (c) burst signals and set alert thresholds.



(a)

(b)

(c)

SIGNAL INFORMATION AND BAND DETAILS

The ANDRE frequency counter automatically generates a signal list from the strongest signals. Signal frequencies are listed beginning with the strongest signal and can be designated as threatening, friendly, or unknown. Double-tapping a signal provides more details including band classification information.



AUDIO MODE

The ANDRE can demodulate and playback live analog audio. Ten second audio files can be recorded, stored, and played back. The live audio screen displays a bar graph showing received signal strength.



POST-INVESTIGATION RESOURCES

The ANDRE's Data Viewer helps document and analyze sweep data following an investigation. Review time chart screenshots, playback demodulated audio, and review captured signal lists on a PC while writing your report. The ANDRE Data Viewer is a free download available on the REI website.

