

Vault™

A two-in-one portable Faraday enclosure
and audio masking chamber for smartphones.

BLUF: Vault provides unsurpassed protection against wireless attacks, location tracking, eavesdropping and spying.



Smartphones are Trackable and Hackable, Compromising Operational Security.

Nation-state threat actors, hackers, corporations and app developers take advantage of legitimate smartphone capabilities or inherent vulnerabilities to track current and historical movements or to gather sensitive information from microphones and cameras.



PRIVORO®

Engineered and Manufactured to a Nation-State Threat Model Standard.

Vault mitigates smartphone signals more effectively than any other portable Faraday product, delivering a minimum of 100 dB of radio frequency (RF) attenuation/10 billion times signal reduction. When placed in Vault, a smartphone can no longer be reached via cellular, WiFi, Bluetooth, near-field communication (NFC) and radio-frequency identification (RFID). Integrated audio masking prevents the illicit capture of intelligible audio via the smartphone's microphones in the event that the device has been compromised.

RF SHIELDING

A MINIMUM OF 100 DB OF RADIO FREQUENCY ATTENUATION

- Eliminates smartphone connections to WiFi, Bluetooth, GPS, Cellular and RFID over the broadest range of frequencies of any portable Faraday product
- Provides unsurpassed protection from location tracking
- Ensures a high level of RF attenuation over the lifetime of the product because of design, manufacturing rigor and material quality

PROTECTING SMARTPHONES FROM RF COMPROMISES AND EXPLOITS

Vault users are protected in two ways.

1. Their smartphone becomes impervious to wireless attacks, including those delivered via IMSI catcher, rogue access point or malicious Bluetooth device
2. Even if their smartphone had already been compromised it couldn't be used for location tracking, audio or video surveillance

RF ATTACK VECTORS FOR COMPROMISING SMARTPHONES

- WiFi (e.g., via rogue access point)
- Cellular (e.g., via IMSI catcher)
- Bluetooth (e.g., via bluebugging)

AUDIO MASKING

ADAPTIVE AUDIO MASKING TECHNOLOGY

- Masks speech intelligibility up to voice level of 90 dBA
- Masks speech presence up to voice level of 80 dBA
- Standard and Maximum masking modes to meet most situations
 - Standard = office environment, residential area
 - Maximum = noisy restaurant, city street

MICROPHONES AND CAMERAS CAN ALSO BE COMPROMISED VIA:

- Apps (multi-stage malware delivery)
- OS (rootkits)
- Firmware (supply-chain attacks)

ADDITIONAL INFORMATION

- Battery life
 - 2+ days in Standard masking mode
 - ~6 hours in Maximum masking mode
 - Standby mode: No masking signal
 - Battery status LED pulses to indicate remaining battery life
- Device size: Compatible with mobile devices up to 158.5 mm (6.24 inches) x 8.5 mm (.33 inches) x 78.5 mm (3.09 inches)

