

# SENTRYHOUND™

## QUICK REFERENCE USER'S GUIDE



### GENERAL INFORMATION & TIPS

1. SentryHound is designed to detect any cell phones, laptops or tablets (ON or OFF) carried on any person walking between its sensor poles. Each pole contains 6 sensors running the length of the poles. This allows for accurate cell phone detection across the entire body (head to toe), inside body cavities and also any bags, briefcases, backpacks, etc. When any ferromagnetic item passes between the sensors while a person is stepping onto the pressure mat, the poles will glow blue and correspond to the distance and location of the ferromagnetic material (i.e., cell phone) detected. The sensor poles are independent allowing multiple zones to light up simultaneously indicating multiple ferromagnetic objects and their locations on the body. If the cell phone is in the left pocket, the left sensor pole will light up blue in the middle area. If the cell phone is in the right shoe, the right sensor pole will light up at the bottom. If phones are concealed in both of these areas, both areas on the sensors poles will light up at the same time. Each pole contains 2 LED alert domes at the very top to allow for easily visible alerts regardless of which sensor zone(s) detect a phone. Alerts are held 5 seconds to allow for positive indication after an individual passes through the poles and steps off the pressure mat.

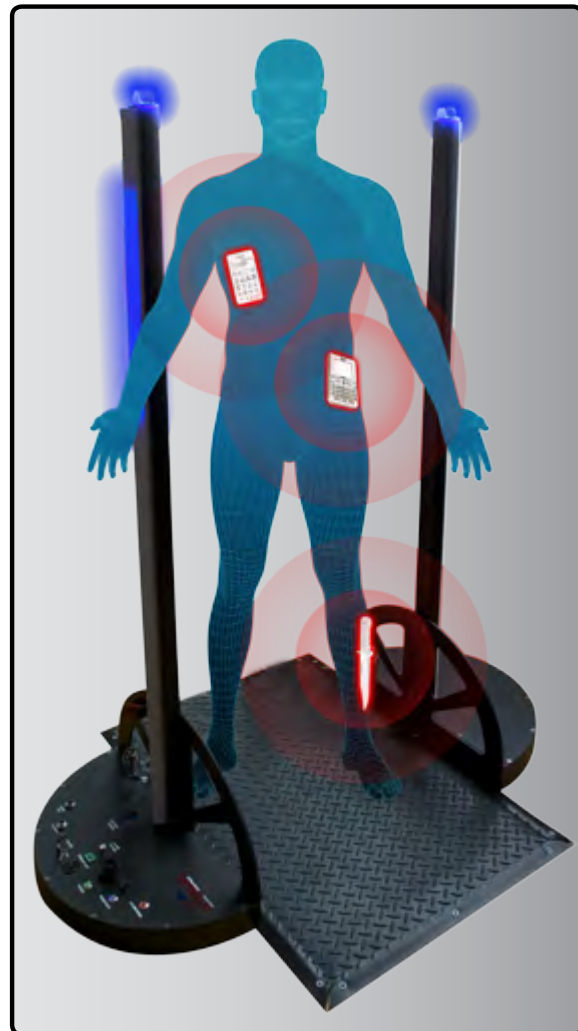
2. Be sure to always keep your SentryHound at least 3 feet away in all directions from any ferrous metals, power lines or electronic devices as this will interfere with the unit's sensitivity, calibration and ability to detect cell phones reliably.

3. Keep the sensor poles roughly 30" apart (the width of the included mat) from each other. If they are too close, people passing through might bump them which requires a manual calibration. If they are too far apart, some cell phones located centrally on or near the body might not be detected.

4. SentryHound ships with an AC power supply and cables and also includes an optional internal battery system for untethered power all day. Always warm up (poles will glow red) the unit before operation. You may cancel warmup process (approximately 25 minutes) early by pushing the 'CALIBRATE' button but BVS recommends waiting entire warmup process before using the unit. SentryHound also performs a quick calibration automatically just before every detection cycle as well.

5. If your SentryHound includes a pressure switch mat, your unit is constantly calibrating when not in use. If your unit's mat is not a pressure switch, it self-calibrates for about 7 seconds once about every 15 minutes. This is indicated by the LED dome alerts on the top of the poles as they go from green (ready to use) to amber (preparing to calibrate) to red (calibrating). You may manually calibrate it at anytime but in order to maintain the most reliable performance always let it self calibrate keeping all possible sources of interference at least 3 feet from it while it calibrates. See CALIBRATION PROCEDURES for more info. If the unit is shifted or bumped anytime, be sure to manually calibrate it immediately for optimum performance.

6. The included pressure mat functions as a switch. Alarms (blue LED and dome alert) will not trigger unless someone is standing on the mat while the unit detects nearby ferromagnetic material. However, the dome alert may still turn red briefly when nearby ferromagnetic material is detected. This is because no one is standing on the mat but SentryHound is still detecting ferromagnetic material or strong nearby interference. Simply wait until the light is green before resuming searches. Constant red dome alerts might indicate an area not suitable for SentryHound use or unit failure. Consult BVS support for details.



### UNPACKING YOUR SENTRYHOUND



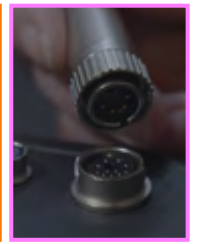
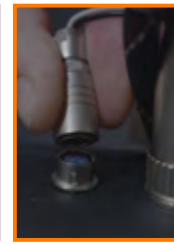
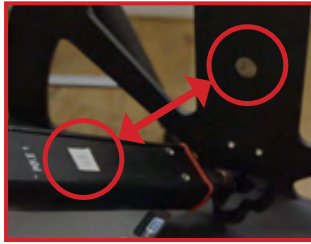
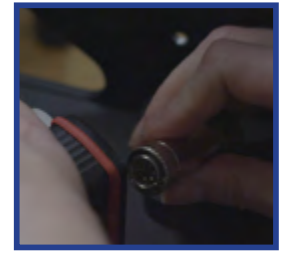
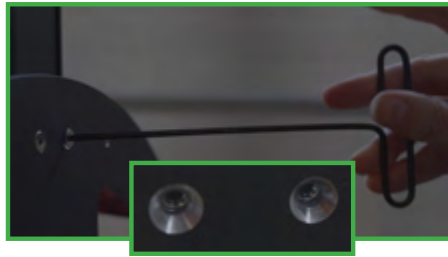
**DO NOT DISCARD YOUR SENTRYHOUND FOAM AND CARDBOARD PACKAGING MATERIAL.**

**STORE ALL PACKAGING IN CASE ANY RETURN, REPAIR OR TRANSPORTATION IS REQUIRED.**

**TOLL FREE 1-888-737-4287 • (outside U.S. & Canada) +1 732-548-3737 • [www.bvsystems.com](http://www.bvsystems.com) • [support@bvsystems.com](mailto:support@bvsystems.com)**

## SETUP & INSTALLATION

Always use the **integrated handles** when transporting SentryHound. Make sure the bases are on a stable flooring or ground by **adjusting the levelers** on the bottom. Connect the bases with the included cable and run it under the pressure mat. Carefully **connect** the cable from the base to the pole and use the included tool to **connect** the poles to their respective bases by tightening (be sure to align screws and do not overtighten). Be sure to **match** each labeled pole to each labeled base. **Connect** the two bases together using the supplied cable. **Connect** the pressure mat to the base using the cable built directly into the mat.



## BASE CONTROLS

**SENSOR** - connects base units

**OPTION** - connects mat switch to base units

**AUXILIARY OUTPUT** - audio output for external speakers

**POWER INPUT** - AC power & battery charging input

**KEY SWITCH** - locks sensitivity & power buttons

**SPEAKER** - built-in speaker alert

**USB** - firmware updates (contact BVS for all updates)

**POWER** - hold in to turn unit ON and OFF (must be unlocked)

**SENSITIVITY** - adjust sensitivity in 10 steps

**CALIBRATE** - manual calibration

**BATTERY METER** - shows capacity of internal battery

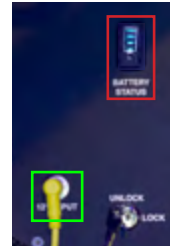
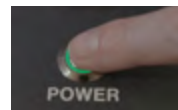
**ALARM VOLUME** - turn to adjust speaker alarm volume

**DRY CONTACTS** - triggers external alarms, camera, DVR, etc.



## POWER & CHARGING

SentryHound is **POWERED** from the included 19V/8.4A 160 Watt AC-DC power adapter. Use only the supplied adapter and cable for both AC power and also for **CHARGING** it. The charging **METER** displays battery capacity. The runtime on battery will vary greatly depending upon how many people pass through the portal between charges but you can expect a full day of runtime on a completely charged battery. Be sure to supply the unit with AC power for at least 10 minutes during initial warm and calibration. Power and sensitivity can only be changed if the unit is unlocked using the included security key. The power button must be held down for a few seconds in order to power off.



## CALIBRATION PROCEDURES

Push the red button on the base at any time to manually calibrate. Manual and automatic calibrations take approximately 7 seconds. Always be sure to keep people & any possible interference (power lines, electronics, ferrous metals, magnets) at least 3 feet away from SentryHound while it is calibrating. As soon as the unit begins calibrating, the top of the sensor poles will turn amber for a few seconds followed immediately by red to indicate that calibration is in progress. Once the lights turn green, calibration is completed and you may begin using SentryHound again. If the dome alert lights turn red again after a green status, this may indicate a problem with nearby interference sources, pressure mat failure or internal circuit fault. Consult BVS support for more information.



## SETTING SENSITIVITY

Repeatedly push blue button to set sensitivity levels 1 through 10. The default level is set to 9 on power-up. Set level lower than 9 in areas with high ferromagnetic interference nearby or if you experience many false triggers. You might need to experiment a little to find best setting for your particular environment. Once you set sensitivity, secure the setting using the key switch to lock it in place while in operation.

