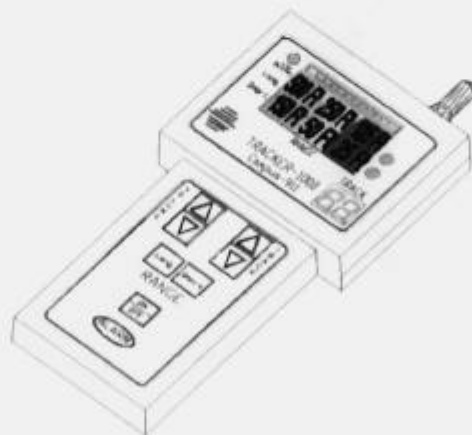
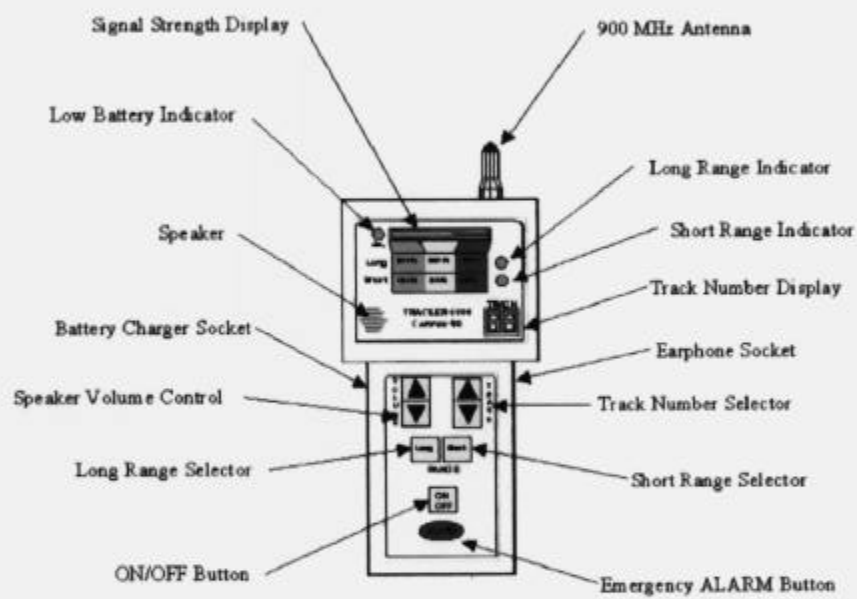


***Campus-911™***

# Hand-Held Tracker User's Guide





## Hand-Held Tracker Features:



## Hand-Held Tracker Features Defined:

- **ON/OFF Button:** Press and release to turn Hand-Held Tracker ON. Press and hold for 2 seconds then release to turn Hand-Held Tracker OFF.
- **Signal Strength Display:** LED Display indicates the strength of an active alarm signal being received by the Hand-Held Tracker.
- **Long Range Selector:** Button to change Hand-Held Tracker to Long Range.
- **Long Range Indicator:** LED to indicate Hand-Held Tracker is set to receive signal strength of an active alarm from a distance of 500 - 125 feet.
- **Short Range Selector:** Button to change Hand-Held Tracker to Short Range.
- **Short Range Indicator:** LED to indicate Hand-Held Tracker is set to receive signal strength of an active alarm from a distance of 150 - 25 feet.
- **Track Number Display:** Indicates the track number that the Hand-Held Tracker is monitoring. User must set the track number to match the number given by the dispatcher to track the correct active alarm.
- **Track Number Selector:** Buttons to adjust the track number being monitored by the Hand-Held Tracker. Press ▲ to increase track number and ▼ to decrease track number.

 **Warning:** If track number is not set to the correct track number given by the dispatch officer, the Hand-Held Tracker will not receive a signal from the active alarm being pursued.

- **Speaker Volume Control:** Buttons to adjust the volume of the tone from speaker. Press ▲ to increase volume and ▼ to decrease volume
- **Speaker:** The speaker tone changes pitch as signal strength increases or decreases to indicate a change in the signal strength of an active alarm.
- **Earphone Socket:** Socket to connect earphone for silent tracking of an active alarm.
- **Emergency ALARM Button:** Press and release to turn Emergency ALARM ON. Track Number Display will flash “99” when an Emergency ALARM has been activated. The Hand-Held Tracker will transmit an ALARM signal to the dispatch officer.
- **Low Battery Indicator:** LED will illuminate when battery is discharged. The Hand-Held Tracker will automatically turn power off after 60 seconds.  
 *Warning:* Hand-Held Tracker battery must be recharged within 8 hours following an automatic power off.
- **Battery Charger Socket:** Socket to connect battery charging kit to the Hand-Held Tracker battery.
- **900 MHz Antenna:** Antenna to receive signal of an active alarm and to communicate with Campus-911™ network.

## **To Test The Hand-Held Tracker:**

1. Open and inspect the contents of the Hand-Held Tracker case.  
Included in the case are the following items:
  - Hand-Held Tracker
  - Wall Plug Adapter
  - Battery Charging Adapter
  - Earphone Piece
  - Instruction Manual
2. Remove Hand-Held Tracker from protective case.
3. Visually Inspect Hand-Held Tracker for any signs of damage.
4. Press and release ON/OFF Button to turn power ON. Notice the TRACK number display will Flash "00" and Range will be set to "Long."
5. Observe if the "Low Battery" indicator is on. If Low Battery indicator is on, turn off power and charge Hand-Held Tracker battery immediately.
6. While the Hand-Held Tracker's power is still on, change the TRACK number by pressing the Track number selector buttons. Test both increase▲ and decrease▼ buttons. Notice that the TRACK number increases or decreases.
7. Change Range by pressing the Long and Short buttons. Notice the LED changes with the Range setting button pressed.
8. Engage earphone piece to earphone socket and listen for a slight "buzz" in the earphone piece.
9. Remove earphone piece from earphone socket and return earphone piece to protective case.
10. Press and hold for 2 seconds the ON/OFF button then release to turn Hand-Held Tracker OFF.
11. Return Hand-Held Tracker to case and close case securely.
12. At this point, the Hand-Held Tracker is ready for use.

## **To Operate The Hand-Held Tracker:**

***Note: The Hand-Held Tracker is a tool to be used for location of an active alarm. The Hand-Held Tracker does not replace the normal procedure for search and rescue. It is to be used to supplement the location process of an active alarm for the Campus-911™ system and is not a substitute for safe behavior.***

1. When the dispatcher reports an active alarm in the coverage zone of the campus, confirm the correct TRACK number with the dispatcher.
2. Upon arriving to the alarm location, remove the Hand-Held Tracker from the protective case and turn power ON.
3. Set the Hand-Held Tracker to the specified TRACK number given by the dispatcher. The TRACK number display will stop flashing when the Hand-Held Tracker receives the active alarm information. When the Hand-Held Tracker receives the active alarm it will begin to update the signal strength display visually and provide an audible tone in the speaker.
4. Set the Hand-Held Tracker Range to Long.
5. If possible, move to a relatively open area and establish a starting position to begin the track.
6. Stand still in the starting position and hold the Hand-Held Tracker close to the body and wait approximately 2 seconds for signal strength reading to register on the signal strength display.
7. In the same starting position, rotate in 90° increments and take a signal strength reading for approximately 2 seconds at each increment to identify the highest level signal strength.
8. At this point, begin to walk in the direction of the highest signal strength received by the Hand-Held Tracker from the starting position. Note: If the Long range scale is maximized, switch the range from Long to Short and repeat steps 6 & 7.

9. Proceed in that direction and stop when the signal strength begins to decrease. Note: Remember to allow for approximately 2 seconds of receive data for accurate signal strength.
10. Turn and walk back toward the starting position until the signal strength display increases to a maximum level and stop again.
11. In the second position, rotate in 90° increments and take a signal strength reading for approximately 2 seconds at each increment to identify the highest level signal strength.
12. Now, begin to walk in the direction of the highest signal strength received by the Hand-held Tracker from the second position.
13. Proceed in that direction until the signal strength begins to decrease.
14. Turn and walk back toward the second position until the signal strength display increases to a maximum level and stop again.
15. Again, rotate in 90° increments and take a signal strength reading for approximately 2 seconds at each increment to identify the highest level signal strength.
16. Repeat this process until you maximize the Long range scale. Then switch the range of the Hand-Held Tracker from Long to Short and continue this process. Note: If the range has been set to Short, the active alarm should be within viewable range.

In the event of an emergency for the officer in pursuit, the Hand-Held Tracker is equipped with an ALARM. By pressing the ALARM button, the Hand-Held Tracker immediately transmits an alarm message to the Campus- **911**™ system and ends the current tracking session. A Hand-Held Tracker that is transmitting an alarm message will flash “99” on the TRACK number display. The alarm message will continue to transmit until the battery is depleted or if the officer manually turns power OFF.

## **Charging the Battery of The Hand-Held Tracker:**

*Note:*

- *The Hand-Held Tracker must use only the battery charging adapter and wall plug adapter supplied with each Hand-Held Tracker Kit.*
  - *To assure full battery capacity, the battery of the Hand-Held Tracker must be charged after any track longer than 2 hours, if the low battery indicator is illuminated or at a minimum of every 2 weeks even if the Hand-Held Tracker has not been used.*
  - *To assure optimum performance, the battery of the Hand-Held Tracker must be fully charged before operating the Hand-Held Tracker.*
1. Remove the Hand-Held Tracker, the wall plug adapter and the battery charging adapter from the protective case.
  2. In an area that will not be disturbed, plug the wall plug adapter into a standard 120 volt 60Hz wall outlet.
  3. Insert the barrel plug of the wall plug adapter into the socket of the battery charging adapter.
  4. While power to the Hand-Held Tracker is OFF, insert the barrel plug of the battery charging adapter into the socket of the Hand-Held Tracker. Please refer to the Hand-Held Tracker Features for location of Battery Charger socket on the Hand-Held Tracker.
  5. The battery charging adapter LED will illuminate a solid red to indicate the Hand-Held Tracker battery is being charged.
  6. If the battery charging adapter LED does not illuminate, check to see if the wall outlet is active.



7. If the battery charging adapter LED illuminates a flashing red, the battery is not being charged. Unplug the barrel plug from the Hand-Held Tracker and re-insert it into the socket of the Hand-Held Tracker. Note: The battery charging adapter must receive power from the wall plug adapter before it is inserted into the Hand-Held Tracker.
8. The Hand-Held Tracker battery is fully charged when the battery charging adapter LED illuminates a solid green.
9. Upon charging the Hand-Held Tracker battery, unplug the battery charging adapter from the Hand-Held Tracker, the wall plug adapter from the battery charging adapter and the wall plug adapter from the wall outlet. Return all items to the protective case and close case securely.

## Helpful Tips:

- As with all radio equipment, the signal strength from the Hand-Held Tracker will be degraded by metal surfaces, buildings, automobiles and wet surfaces. Please be aware that multi-path signals may affect the signal strength display. Observe the surrounding metal surfaces, buildings, automobiles and wet surfaces to help determine the origin of the active alarm if multi-path is suspected.
- The battery in the Hand-Held Tracker is designed to operate for an 8-hour shift. It is unlikely that the Hand-Held Tracker will be operating for an entire shift, but it may be used for multiple incidents in an 8 hour shift. Please refer to Charging the Battery of the Hand-Held Tracker section for more information on maintaining a fully charged battery for peak performance.
- The Hand-Held Tracker is not a substitute for safe behavior. It is a tool to enhance the location process of an active alarm. The Hand-Held Tracker does not replace the normal procedure for search and rescue.



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### **FCC INFORMATION:**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

The Hand-Held Tracker might cause TV or radio interference even when it is operating properly. To determine the Hand-Held Tracker is causing interference, perform a test. If the interference appears during the testing of the Hand-Held Tracker, the Hand-Held Tracker may be causing the interference. Try to eliminate the interference by:

- ° Moving the Hand-Held Tracker away from the receiver with the interference problems.
- ° Calling your Campus-*911*™ site manager for assistance.

 **Warning!!!** Do not open the Hand-Held Tracker. Opening the Hand-Held Tracker voids any warranty. Any service, including replacing batteries to the Hand-Held Tracker, must be made by a qualified Campus-*911*™ representative.