

Field Instructions for AirFlare Detector

Configure Detector for Search

1. Gather information about Search Subject. (Name, Cell Phone, Age (range), Email). Cell phone is most reliable.
2. Search Registry from Field Console main menu. (Must be connected to Wi-Fi or Cellular network)
3. If subject positively identified in Registry:
 - a. Download AFID. (Search Subject receives email message AND push notification. If search subject is in cell service, search team receives GPS coordinates (or notification that subject declined sending coordinates).
 - b. AFID and Location Return coordinates automatically shared with search team (via Search History menu).
 - c. Connect to Detector → Install AFID (from Local AFIDs menu). (“Success” notification displayed).
 - d. Optional: ✓ to ensure Search Network broadcast by Detector contains Subject’s first name.
4. Subject does not exist in Registry
 - a. Interview emergency contact for WiFi address known or suspected to be on lost subject’s phone (home | work | coffee shop). Network Name mandatory. Password nice to have.
 - b. Configure Detector to search non-AirFlare WiFi network (via Manage Detector screen). (“Success” notification displayed)
 - c. Optional: ✓ to ensure Search Network broadcast by Detector is correct.

Conduct Search (Searcher has Field Console and is trained in AirFlare Search Tech)

1. Detector battery lasts 4-5 hrs max. Carry Aux power supply if needed.
2. Ensure Detector GPS calibrated. (Status bar Green with text: “GPS Assist Started” or “Ready”)
3. Push “Start Recording” – ensure Detector is carried in a location beeper can be heard
4. Conduct Search. While recording, periodically check Field Console home screen upper right below status bar for letters “Det” (for Detection) or “Fix” (for Subject Fix).
5. If Detector Beeps:
 - a. Report location to Incident Command. (Search subject in vicinity). Use Field Console GPS Menu share feature
 - b. Voice Check for subject
 - c. Check Field Console for subject GPS coordinates. (Status bar Red with text “Recording: # Subject Fixes”). To retrieve GPS coordinates go to GPS Coordinates screen or click status bar. ELSE use Detector homing feature.
6. Upon search end push “Stop Recording.” ALWAYS CHECK VIEW RECORDING SCREEN FOR MISSED DETECTIONS.

Instructions for Ground Searchers Carrying Detectors Who Do Not Have Field Console

1. Detector is configured by SAR personnel with Field Console (Operator) - e.g. at Incident Command - and distributed to a searcher who does not have Field Console to be carried on the search.
2. If Detector will be out > 4 hrs Operator should provide an auxiliary power supply.
3. Operator should ensure Detector GPS is calibrated (status bar Green with text: “Ready”) and push “Start Recording” prior to distributing to searcher.
4. Operator should provide instructions to searcher:
 - a. Ensure Detector carried where beep can be heard. (Operator to run “Test Beeper” for searcher).
 - b. If Detector beeps during search:
 - i. Searcher to immediately communicate GPS location to Incident Command.
 - ii. Searcher to conduct voice check. Search Subject is within half mile.
 - iii. Detector beep frequency can be used as homing mechanism.
5. At conclusion of search, searcher returns Detector to Operator:
 - a. Operator should connect to Detector via Field Console and push “Stop Recording”
 - b. Operator should ALWAYS check View Recording screen in Field Console to ensure a Detection (a beep) was not missed during the search.

View Search Results

1. Each Search Recording produces a KML file (Detections + GPS Tracks) and a GPX file (GPS tracks only)
 - a. View search results on Search Phone with Field Console installed using GIS app (Google Earth recommended)
 - b. Use “Share” feature to send search results to a colleague or to be opened on another device