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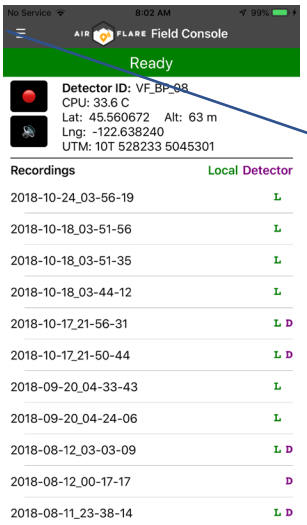
Field Console Menus and Interfaces

Field Console Main Menu

Field Console Main Menu enables navigation to the following Field Console sub-pages:



To access Field Console Main Menu, click the Hamburger icon in the upper left corner of the Home Screen

Authorize Field Console

First Time Connect to Detector:

- You must authenticate your instance of Field Console against a Detector owned by your search team before you can search the Registry
- This process identifies you as a member of your search team
- Any time you perform a Registry Search for a lost subject, a record is made – visible only to the AirFlare Team
- This audit mechanism is part of our security model which keeps AirFlare customer's profile information safe

Search Registry and Search History

- Once you authorize Field Console against a Detector, the Main Menu will change to include the Search Registry and Search History functions

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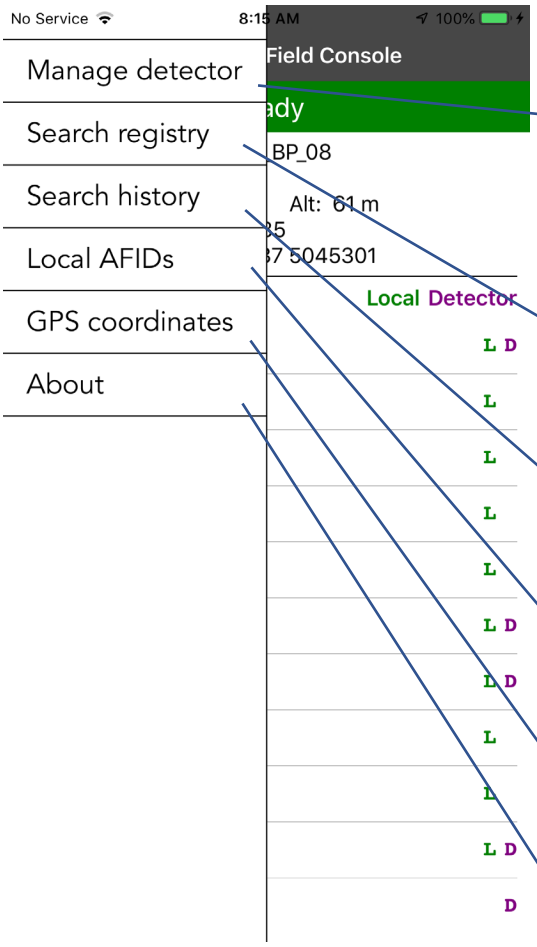

Manage Detector:
Navigate to the "Manage Detector" screen to access the following functions:

- Configure Detector to search for a non-AirFlare subscriber
- Detector configuration and administration such as change password and update software
- Free lifetime subscription to the AirFlare app for search team personnel

Search Registry:
Search the AirFlare Registry to determine if a lost subject is an AirFlare subscriber.
If YES, download the lost adventurer Search ID

Search History:
A history of all Registry Searches conducted by you and/or anyone on your team. Allows you to retrieve AFID and coordinates from Location Return if available

Local AFIDs:
Lost adventurer Search IDs downloaded from AirFlare Registry are stored here.

GPS Coordinates:
Navigates to GPS screen for viewing and sharing of GPS coordinates in multiple formats

About:
Field Console version information.

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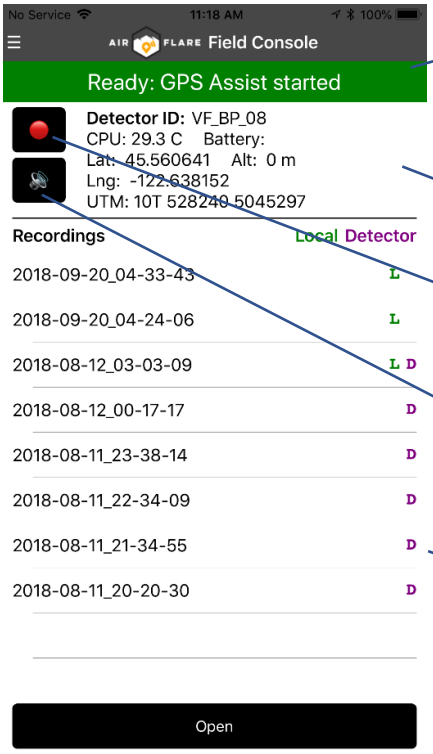
Field Console Home Screen



Status Bar: Identifies status or state of Detector such as "Ready" to record a search, "Recording" a search, "GPS not ready" to record a search, and other errors or exceptions. Note: Tap status bar to retrieve additional information, including Subject Fix (Location Capture) if available

Detector vitals: (Name, CPU temp, battery remaining and current Detector location)

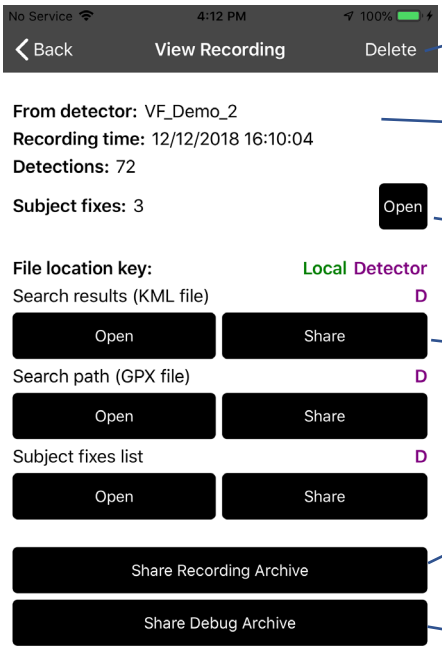
Record: Starts a Search Recording (a search for a Lost Subject Device). Same button stops the Search Recording.

Mute beeper: (Beeper activates when Detector comes within range of a Lost Subject Device)

Search Recordings: The list of Search Recordings currently accessible from Field Console.
See right column (L,D) to determine if Search Recording is stored on the Detector (D), on the Search Device (L) or on both (LD).

View Recording Screen

Opens when a Search Recording is selected from the Home Screen



Delete Recording: From the Search Device OR from both the Search Device and from the Detector

Recording Stats: Detector ID. Recording Time (local time). # of Detections (if any). # of subject Fixes (if any)

Open Subject Fixes: View Subject Fix (Location Capture) information from a Search Recording

Open or Share: Open the KML or GPX file directly on the Search Device (e.g. Google Earth of Gaia) or send to team member (recommend via email).

Share Recording Archive: Sends KML fie and the GPX file in a single message. Via email is recommended. Search Device must be connected to live network (cellular or WIFI)

Share Debug Archive: A technical support feature. Mechanism for sending all files created during a Search Recording to the AirFlare Team to assist with technical help

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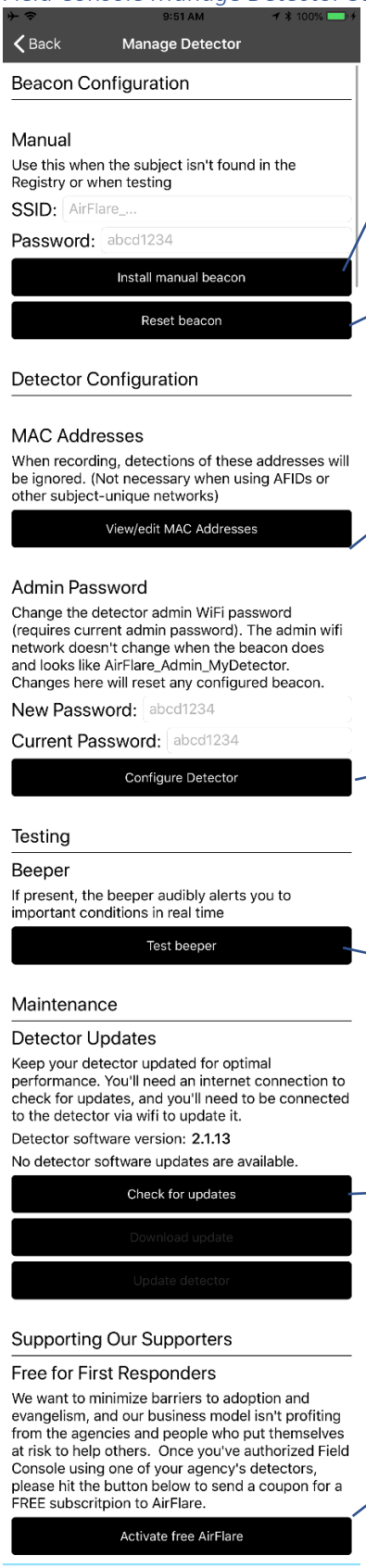
Field Console Manage Detector Screen



Install Manual Beacon when the lost adventurer (search subject) is not an AirFlare subscriber (i.e. does not have the AirFlare app on their phone). Any WIFI network known to be or suspected to be on the Lost Subject Device (e.g. a home network, work network, favorite coffee shop, etc.) can be searched.

Reset Beacon clears the last Search Network broadcast from the Detector and restores it to a default Search Network: AirFlare_Search_<<NameOfDetector>>

MAC Addresses: Enables Detector Operator to instruct Detector to ignore specific devices in an active search to reduce possibility of false positives (e.g. from phones and other mobile devices carried by the search team).
This is recommended when Detector is configured to search a generic WIFI network such as a local coffee shop or a national hotel chain where the lost subject is suspected to frequent, but others in the search area may also have visited and logged into the network.

Change Detector password. Enables Detector Operator to change the Detector Admin Network password used to access the Detector via Field Console

Test beeper on Detector to ensure it is operational before a search.

Update Detector with latest software.
Check for updates while search device is connected to a cellular or active WIFI network.
Log into Detector to update it with a new software update.

Free AirFlare Subscription for SAR: Mechanism to distribute free lifetime subscription to the AirFlare app to members of the search team

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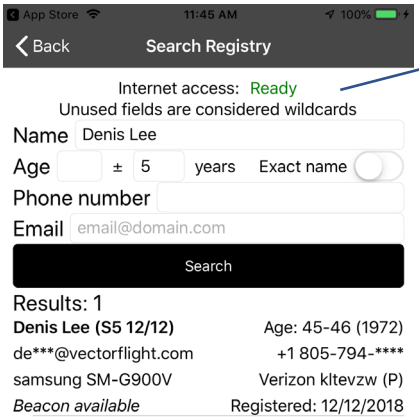
Field Console Search Registry Screen

Accessed from Home Screen Main Menu. Screen from which a search team determines whether a lost subject is an AirFlare subscriber (i.e. whether the lost subject has the AirFlare Beacon installed on their phone).



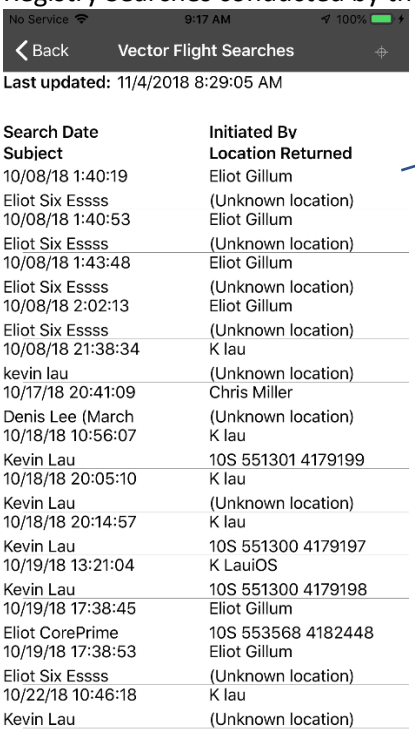
Internet Access: Search Device must be connected to a live network (WiFi or Cellular) to search the Registry. Some older Search Device operating systems (e.g. Android 6.0.1) will require you to disconnect from the Detector Admin Network before using cellular service to access the Registry.

Search Criteria: Enter any part of information known about the lost adventurer to search the Registry

Search Results: Profiles of AirFlare subscribers meeting the search criteria are returned here. Selecting and downloading a profile enables one or more Detectors to be configured to search for that specific adventurer's phone.

Field Console Search History Screen

Accessed from Home Screen Main Menu. Screen from which a search team member can view history of Registry Searches conducted by themselves or by another member of their team.



Search History: Displays history of Registry Searches conducted by all members of the search team including:

- Date of Registry Search
- Search subject
- Who initiated the Registry Search (Either the Detector Operator or another member of the same team)
- Indication of whether a Location Return request was successful

Selecting any of the Search History results will navigate to details of that Registry Search – including the GPS coordinates of the search subject phone if returned from Location Return.

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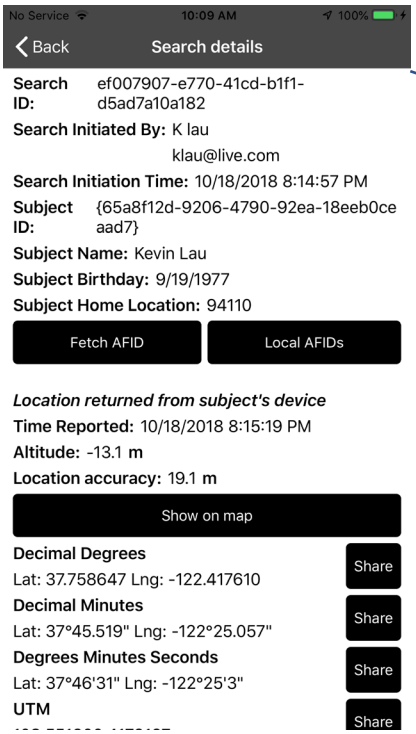
Field Console Search Details Screen

Accessed from Search History screen by selecting a historical Registry Search result. Screen from which a search team member can retrieve details of a Registry Search conducted by themselves or another member of their team.

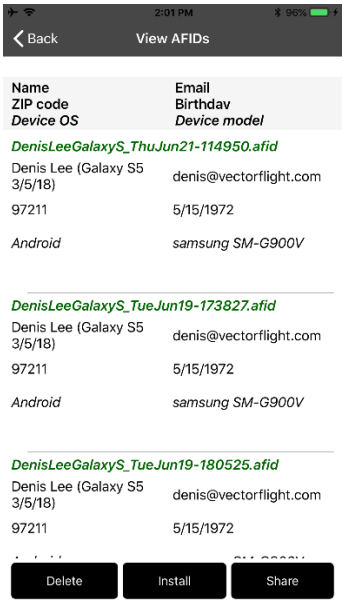


Search Details: Displays details of a specific historical Registry Search including:

- Who on the search team initiated the search on what date and time
- Search subject information
- Ability to download the AFID for the Search subject
- Indication of whether a Location Return request was successful, and ability share coordinates and/or navigate to location via application on Search Device

Field Console Local AFIDs Screen

Accessed from Home Screen Main Menu. Screen from which all downloaded AFIDs (AirFlare Search IDs downloaded from the Registry) are accessed.



AFID (AirFlare Search ID) Files downloaded from the Registry are stored on this sub-page and can be accessed whether or not connected to the Detector.

Selecting the desired file and hitting “Install” will automatically configure a connected Detector to search specifically for that adventurer’s phone.

Multiple Detectors can be configured from the same downloaded AFID by:

1. Connecting to each Detector and selecting “Install” one by one OR
2. Using the “Share” feature to send the AFID to other Detector Operators.

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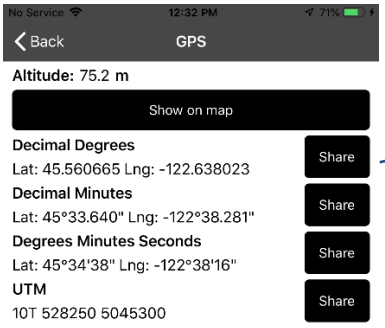
Field Console GPS Coordinates Screen

Accessed from Home Screen Main Menu.

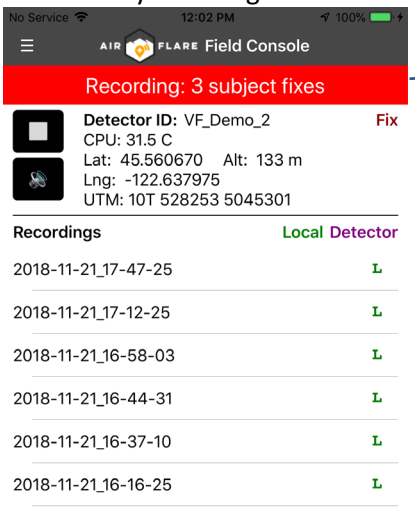


GPS location of the Detector can be viewed in multiple formats.

If Search Device has a live network connection (WiFi or Cellular) GPS coordinates in desired format can be shared (e.g. to Incident Command to report a positive Detection of a lost subject).

Field Console Subject Fixes Screen

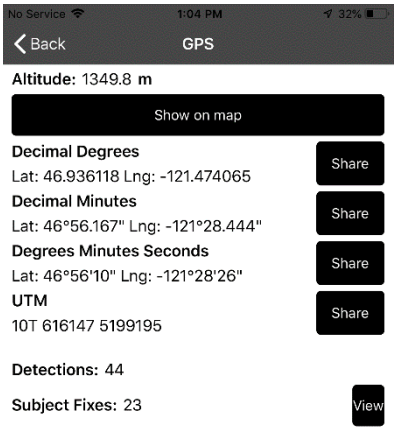
Accessed by selecting the Status Bar Home Screen when it is in the state of “Red: # subject Fixes”



When a Subject Fix is acquired during a Search Recording, the status bar will change from “Recording” to Recording: # Subject Fixes”

Clicking the status bar will take you to the View Subject Fixes screen which lists all subject fixes acquired during the Recording.

Also accessed from the GPS screen:



Access the Subject Fixes screen from the GPS screen while a Search Recording is in process and Subject Fixes have been acquired.

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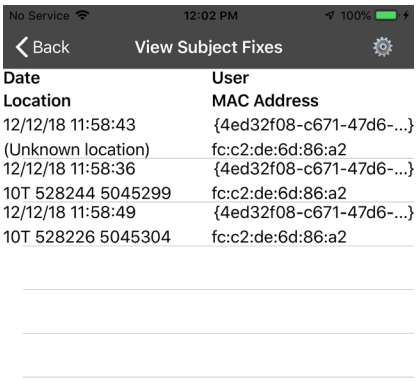
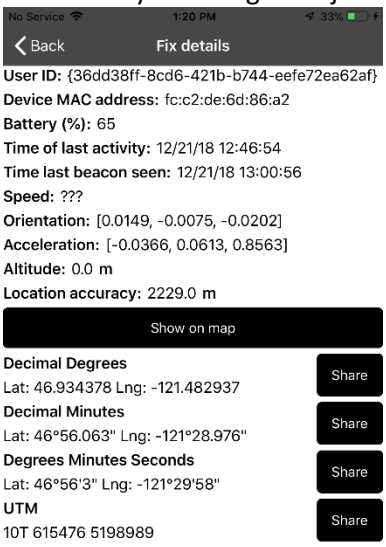


On the View Subject Fixes Screen, each entry corresponds to a Subject Fix (i.e. a transfer of information from the Lost Subject Device to the Detector when the Detector is within range of the Lost Subject Device). This information may or may not include the GPS coordinates of the Lost Subject Device. Selecting an entry opens the Fix Details Screen for the selected Subject Fix.

Field Console Fix Details Screen

Accessed by selecting a Subject Fix from the View Subject Fixes Screen



Displays information uploaded from Lost Subject Device to a Detector during a specific lost subject Subject Fix upload.

If the Lost Subject Device GPS coordinates are uploaded, this location can be opened on the Search Device in a GPS application (i.e. to navigate to the Lost Subject Device location) and/or can be shared if the Search Device is within cellular service (e.g. to Incident Command).

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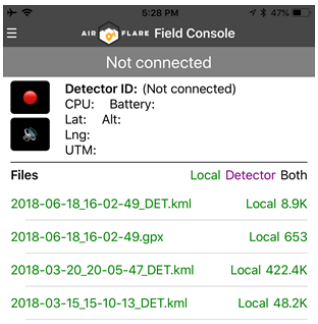
Detector Status Bar Conditions

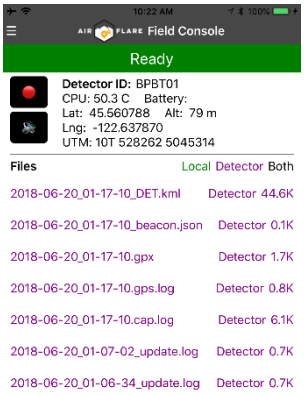


Grey Bar: Not Connected
Indicates Field Console is not connected to a Detector. Typically a status of very short duration upon startup as Field Console will quickly transition to "Yellow Bar: Searching For Detectors.

Yellow Bar: Assisting GPS Startup
Indicates Search Device is attempting to transfer GPS coordinates to the Detector in order to provide a GPS fix (I.e. "Detector Warm Start").

Yellow Bar: Waiting for GPS Fix
Indicates neither Detector internal GPS nor Search Device (via Detector Warm Start) is able to obtain a recent and reliable set of GPS coordinates. Detector must acquire a GPS fix before a Search Recording can be started.

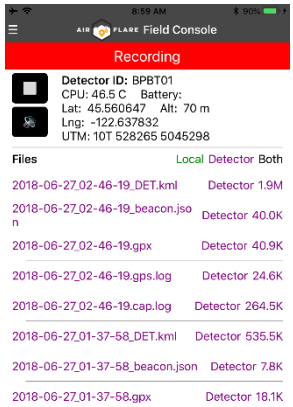
Green Bar: Ready: GPS Assist Started
Indicates Detector is ready for a Search Recording to be started, but its current GPS fix is based on coordinates provided from the Search Device.



Green Bar: Ready
Indicates Detector is ready for a Search Recording to be started. The Detector's internal GPS chip has an adequate GPS fix.

Red Bar: Recording
Indicates a Search Recording is currently in process.

Red Bar: Recording: # Subject Fixes
Indicates Search Recording in process AND Detector has established connection with the Lost Subject Device AND Detector has uploaded information from the Lost Subject Device (including potentially the Lost Subject Device location)



Red Bar: Recording: Lost GPS Fix
Indicates Search Recording is in process, but the Detector internal GPS chip has lost adequate connection to GPS satellites.

Yellow Bar: Version Mismatch: Update Detector
Indicates Detector software is out of date. Update Detector software via Field Console Main Menu → Manage Detector → Detector Updates.

Yellow Bar: <Process> Not Running
Identifies a specific abnormal condition affecting Detector performance. Reboot Detector

Yellow Bar: Detector Offline
Indicates a serious internal issue. Reboot Detector. If the issue repeats or persists, contact Denis: denis@vectorflight.com | support@airflare.com | 805.794.2993