LifeRing Military

Android User Manual
Version 7.03
2025

Table of Contents

SECTION 1

LIFERING OVERVIEW

LifeRing is a breakthrough in group collaboration for First Responders, Government, Security, and Military. It is a mobile command and control center in your hands. LifeRing software is designed to run on commercial off the shelf Android, Windows and Android devices. This guide is directed toward the Android Device.

LAUNCHING LIFERING

When you first launch LifeRing, you will be asked to register an account. This is different than the login to download the software.

The account profile includes:
• Photo (optional)
• Email
• Password
• Confirm Password
• Full Name
• System Display Name
• Organization
• ID (optional)
• ID Photo (optional)
• Position (optional)
• Phone (optional)
• Latitude
• Longitude

Once the required data is submitted, you will get an email with a link to validate the account info. Once validated, you can login. That account can be used to login on any device and it will retain your preferences and data added during your session.

Updating your Profile data is covered in the Set Up section.

SECTION 2

ANDROID NOTIFICATION DRAWER

The Android Notification Drawer provides important information about the LifeRing software. It will let the participant know about server connection and Emergencies.

 = LifeRing Connected to Server

 = Found server and attempting to connect

 = Could not find the server

 = Someone has declared an Emergency

LOSS OF COMMUNICATIONS

LifeRing is constantly monitoring IP connectivity to alert the user of the possibility that data is not being exchanged between the LifeRing Participant Device and the LifeRing Network Server. LifeRing has different ways to indicate loss of connectivity:

If one LifeRing Associate has not received data from another Associate after two reporting intervals, the symbol of the user that has not reported will become LOST. By definition, LOST means that the symbol will drop after five minutes passes if the user has not reported their position.

SECTION 3

HOT KEYS

The Hot Keys (shortcut buttons) appear in the bottom left and right of the screen.

The **PTT Group** button enables you to change what GROUP you transmit PTT comms with. Simply tap the PTT Channel button to switch between your available Groups.

Once you have confirmed you are in the correct PTT Group, tap and hold the **PTT Talk** button and speak into the phone to transmit comms. When finished speaking release the button.

The **Crosshairs** button allows you to easily get the Lat/Long and Range/Bearings of any location. Tap the Crosshairs button and the "X" will appear in the center of your map. Pan and Zoom the map until the crosshairs are on the desired location. Tap the Crosshairs button again to remove the "X".

The **Center On** button will automatically center on any symbol you have hooked. If no symbol is hooked, pressing this will cause the map to center on your map symbol.

The **Add Marker** button allows you to quickly create a Marker symbol on the map at the point of the Crosshairs. (Detailed instructions for adding Markers is covered in Section ??)

Main Menu

Cross Hairs

Center On

PTT Group

PTT Talk

Add Marker
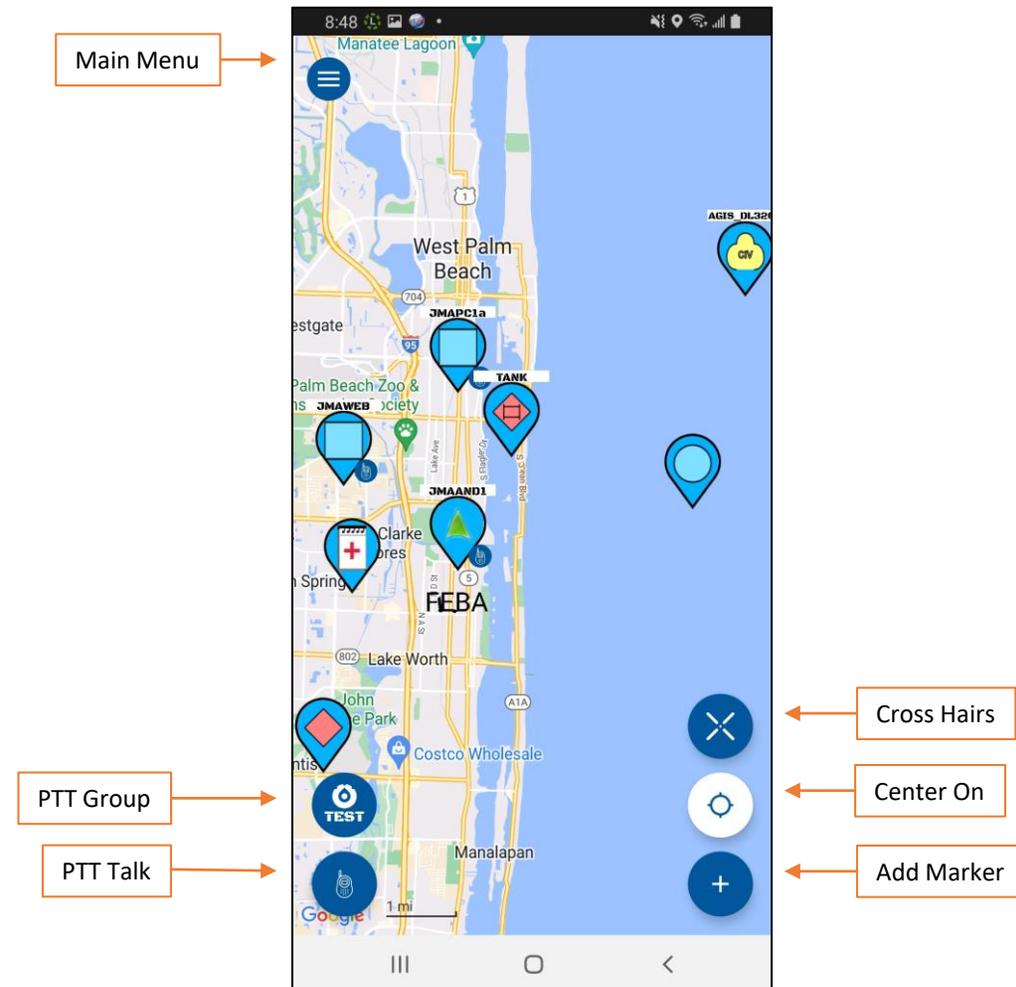
SECTION 4

MAP CONTROLS

LifeRing uses the following advanced map controls that are great even for gloved users:

- Double tap to zoom in (one finger)
- Two finger single tap to zoom out
- Double tap and hold, then slide up/down to zoom in/out
- Two finger hold then twist to rotate map
- Two finger hold then up/down to tilt map
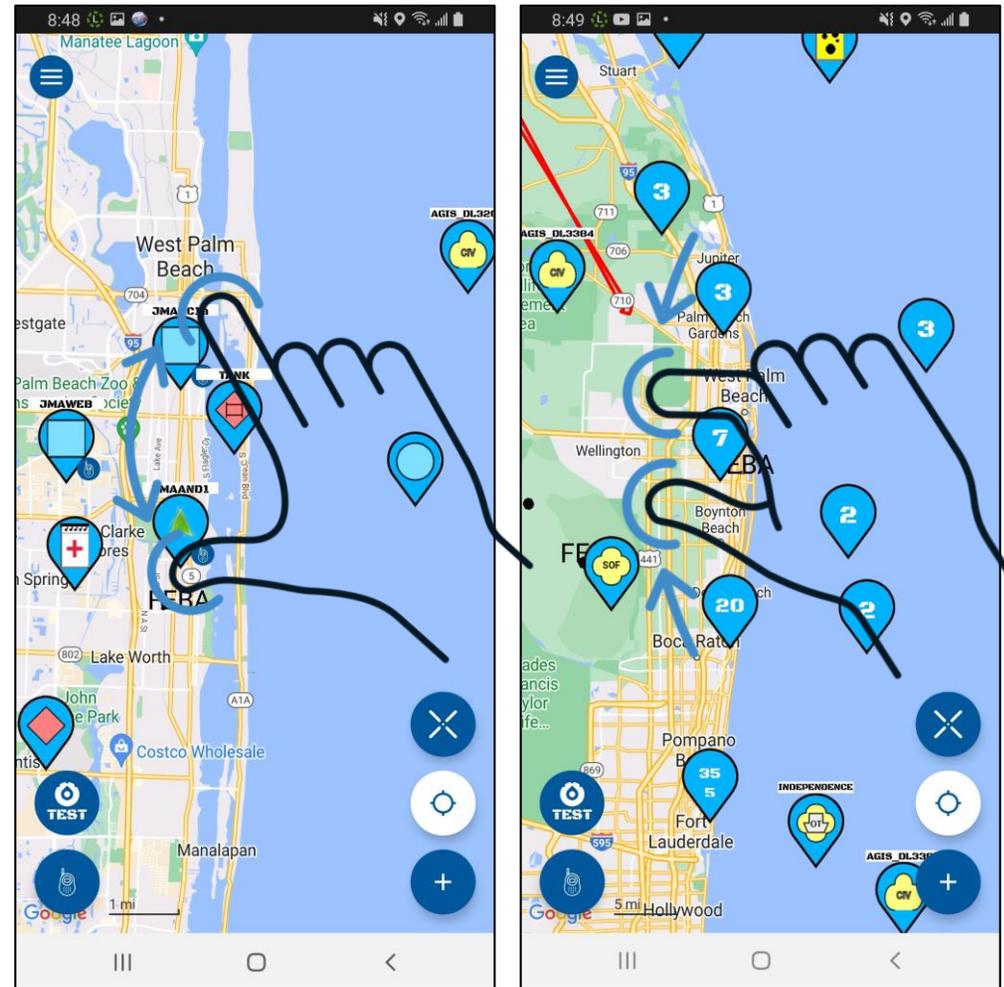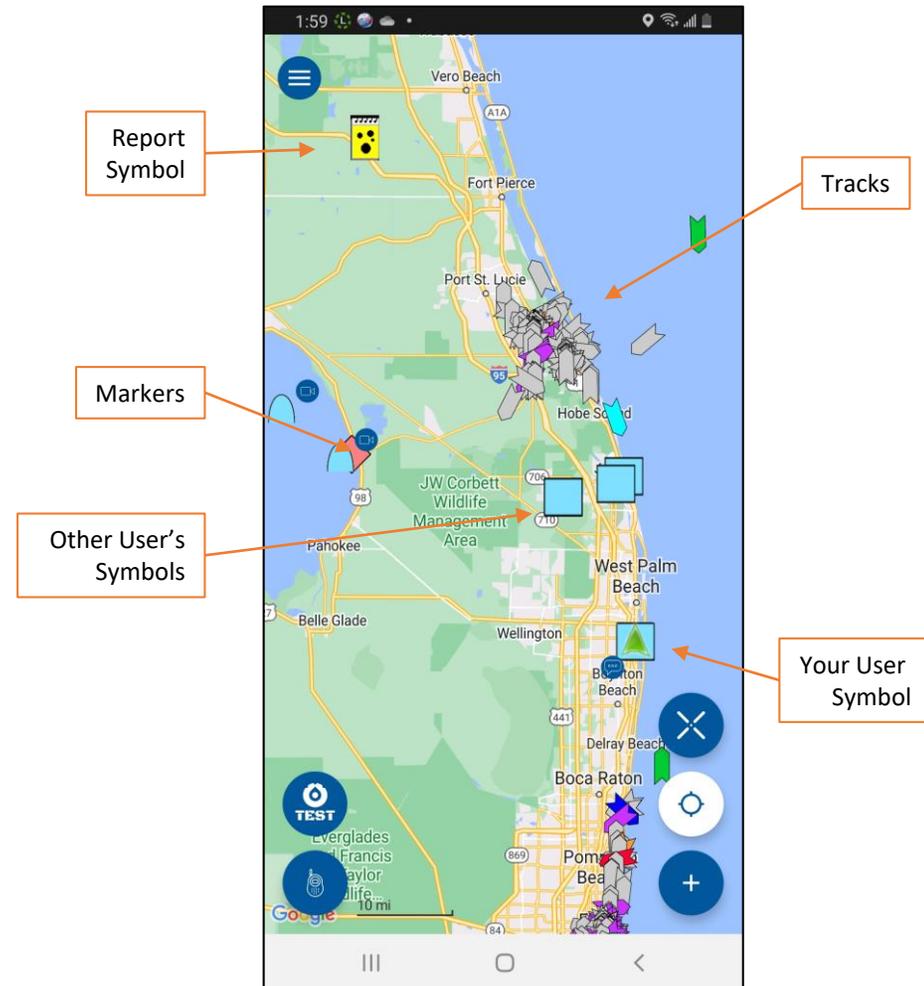
SECTION 5

SYMBOL TYPES

MARKERS are manually entered symbols. When Markers are entered by a LifeRing client, they are transmitted by the LifeRing Server to all clients in a common LifeRing Group. Markers do not move and do not have a speed and heading. They are based on MIL-STAND 2525 symbology. Markers can have additional readout information attached to them such as text and photos.

SITES/USERS are symbols that are automatically created for each LifeRing client as it is activated. When a LifeRing client with GPS moves, its location, speed and heading is automatically transmitted to other LifeRing clients in the common Group.

Your User Symbol will always be a Green Delta icon. Other user's symbols will display as blue rectangles.

TRACKS are symbols that are received from other, non-LifeRing, interfacing C4I systems and sensors through a LifeRing client. Received Tracks can have a speed and heading. Currently, Tracks display as unknown symbols.

Symbols appear on the LifeRing display with the same shape and color regardless if they are Markers, Sites or Tracks. The LifeRing operator can determine if a symbol is a Marker, a Site or Track by "hooking" it. The operator can then view the source of the Marker, a Site or Track.


Report Symbol

Tracks

Markers

Other User's Symbols

Your User Symbol

SECTION 6

HOOKING A SYMBOL

If you tap on a symbol, a white circle forms around it. This is called "hooking" or "selecting" a symbol. This gives the hooked symbol the focus. The hooked symbol will be centered upon. Hooking allows the user to get the readout information about the symbol, and perform various actions associated with the hooked symbol. To unhook a symbol either hook a different symbol or tap on any open space on the Main Map.

This will automatically open the Detail Readout Window. Once the Detail Readout Window is open, it will stay open until you press the back button to close or open another window on top of it. You may hook another symbol on the map or tap a location on the map to get details for that area. This is the tool to use when you want to see any notes or photos attached to the symbol.
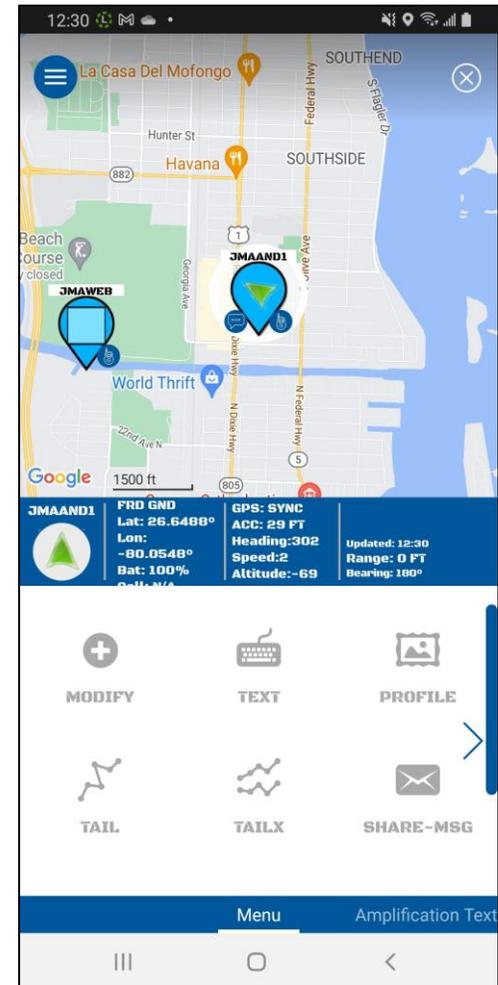
SECTION 6

HOOKED OWN USER SYMBOL

When you Hook your own user symbol, the Detail Readout Window will display:

- Call Sign
- Symbol type
- Lat/Long
- Range/Bearings
- Battery life

- Cell strength
- GPS status
- Heading
- Speed
- Altitude

If you tap or pull up on the Detail Readout Window, the Symbol Content Window will display with various menu buttons.

MODIFY

This allows you to change how your User Symbol is displayed to other users. It opens the MIL-STAND 2525 drop down menu.

TEXT

This allows you to add text that will be displayed in your hook readout.

PROFILE

This allows you to make changes to the Profile you created during registration. You need to login again to access the profile area.

TAIL & TAILX (see page #9)

SHARE-MSG & SHARE-CHAT (see page #10)

Indicates an unread message

Indicates PTT Available
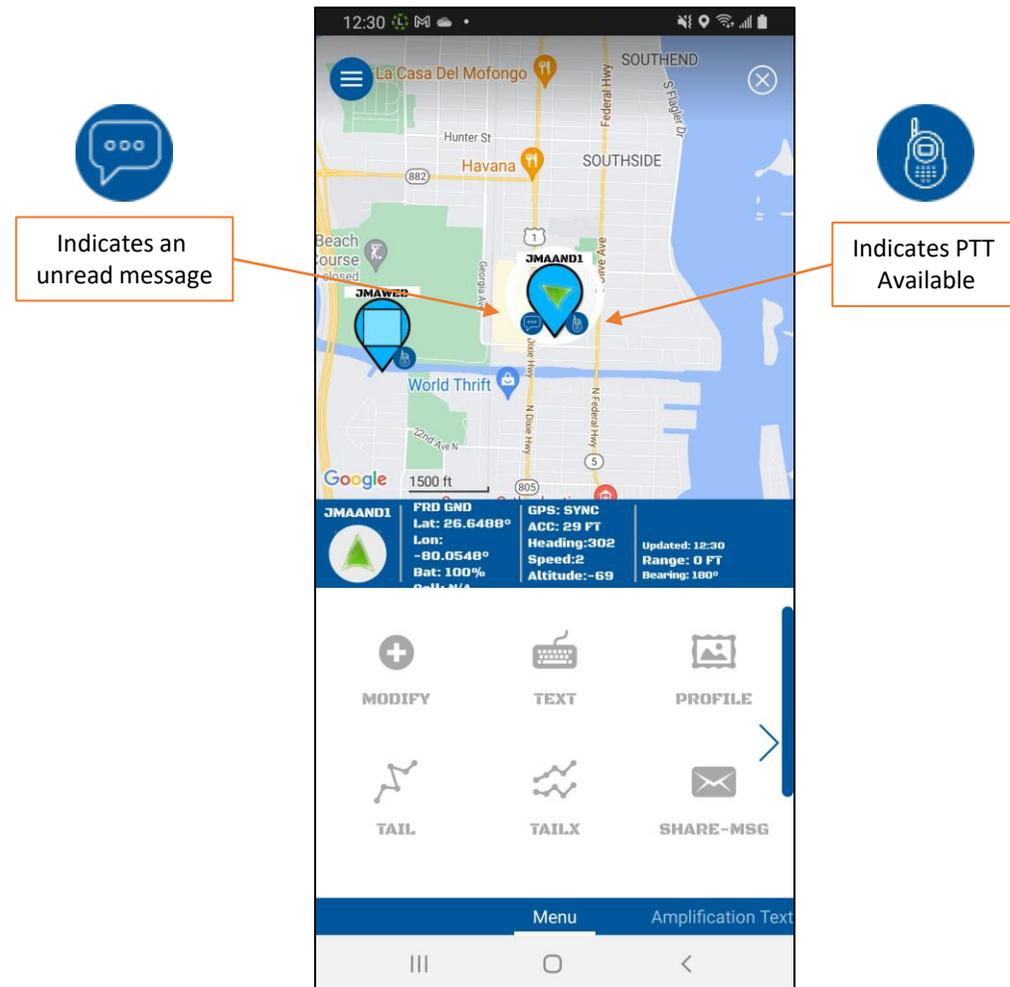
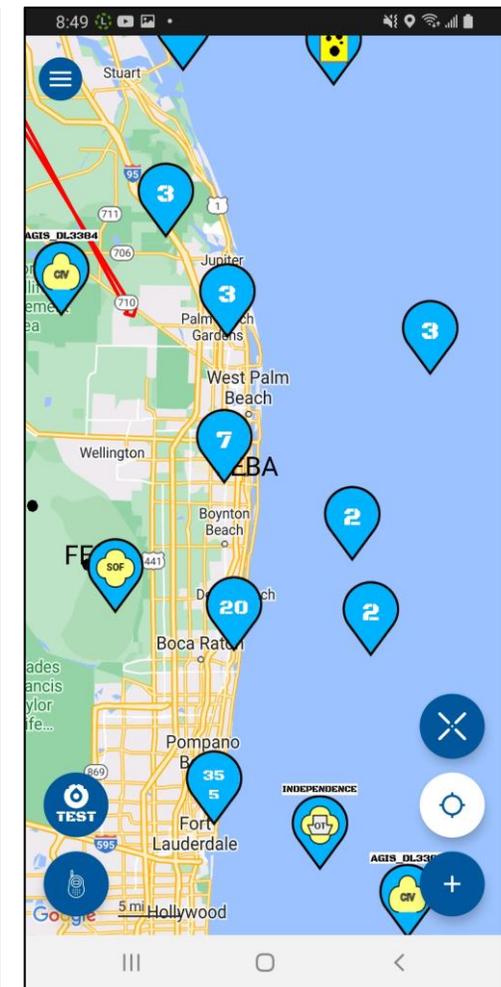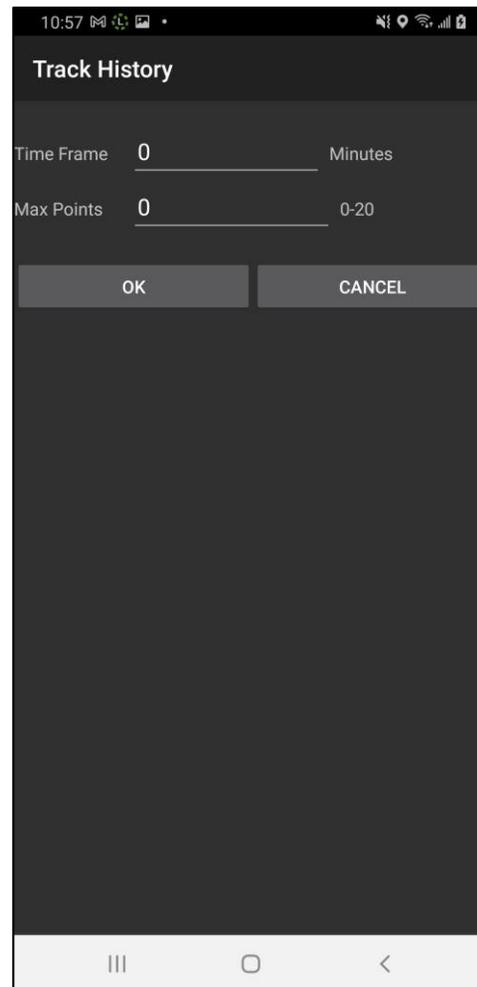# SECTION 6

HOOKED OWN USER SYMBOL (cont.)

TAILS are indicators to show a history trail of where a symbol has been. When a symbol is moved across the map, a TAIL is automatically created. Each time a user moves, a new point will be created and connected to the user's previous location. TAILS are visible when the symbol is hooked.

TAIL

Tap the TAIL button to see lines showing any/all movements of your symbol during your session.

TAILX

Tap the TAILX button and enter a Time Frame or a number of Points

SECTION 6

HOOKED OWN USER SYMBOL (cont.)

SHARE COORDINATES

With your own user symbol hooked, tap the SHARE-MSG or SHARE-CHAT button. This opens a Message or Chat window with the map coordinates of your symbol populated in the type window. In messenger you can send to any other users or everyone. Chat are sent to everyone by default.

When users receive your Message or Chat, they can simply tap on the coordinates, and it takes them back to the map centered on your location with your symbol hooked.
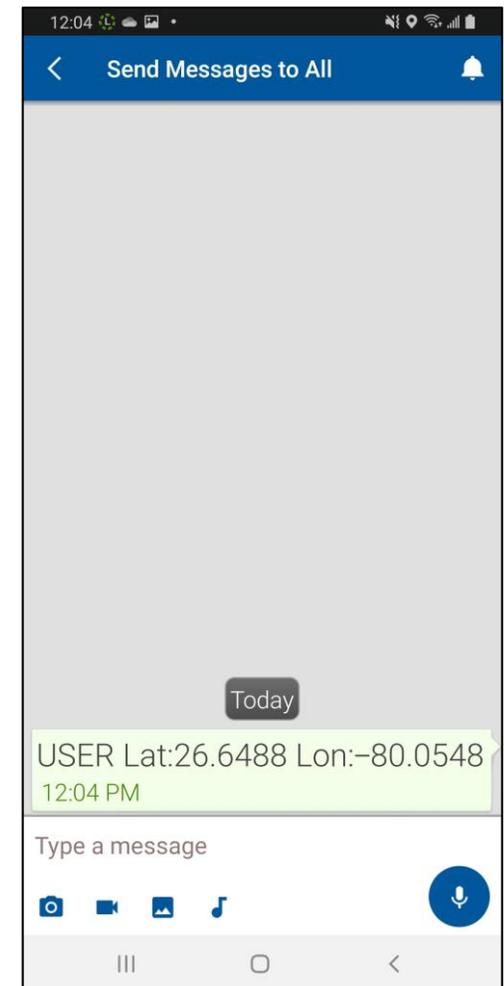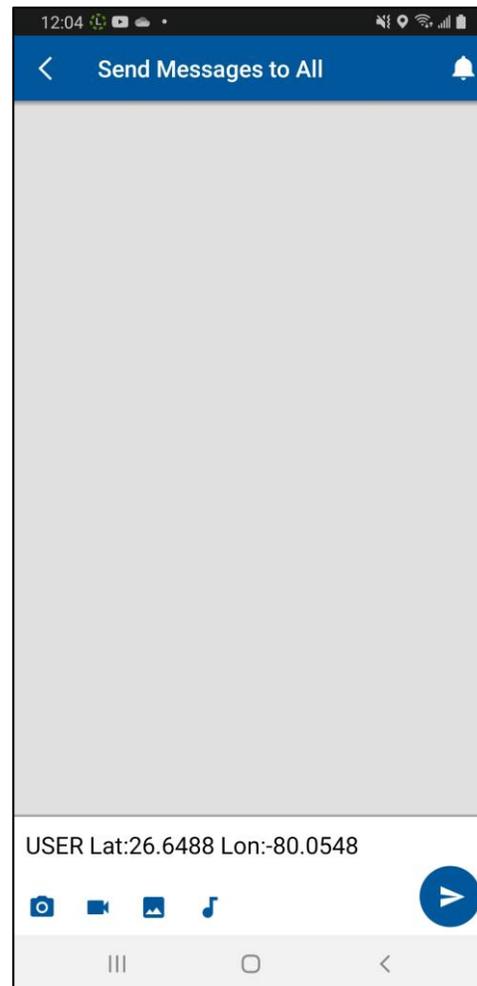
SECTION 6

HOOKED OTHER USER'S SYMBOL

When you Hook another user's symbol, the Detail Readout Window will display:

- Call Sign
- Symbol type
- Lat/Long
- Battery life

- GPS status
- Accuracy
- Heading
- Speed
- Altitude

- Updated
- Range
- Bearing

If you tap or pull up on the Detail Readout Window, the Symbol Content Window will display with various menu buttons.

CALL
This allows you to make a direct phone call to this user.

MESSAGE
This allows you to send a direct text message to this user.

DIRECTIONS
This will open your Android device's map program and display turn-by-turn directions from your current location to this user's current location.

SHARE-MSG & SHARE-CHAT (see page #10)
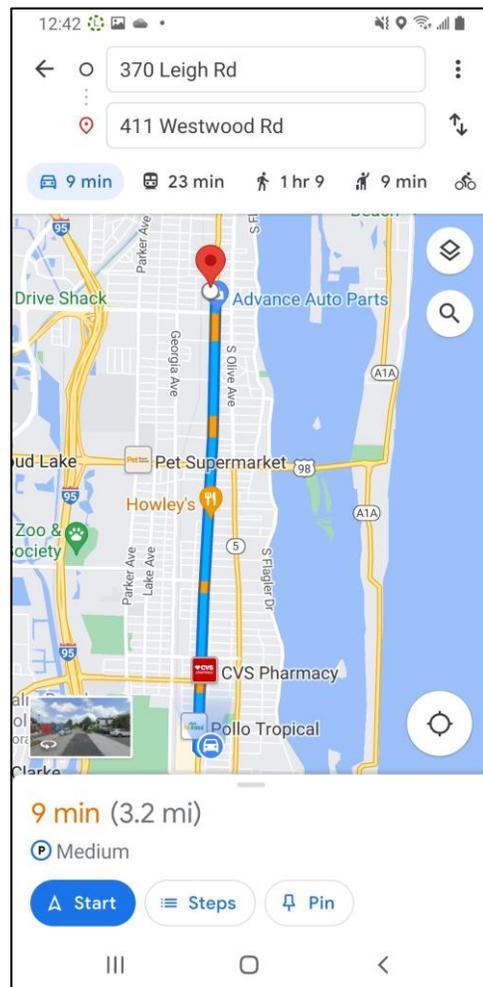
VIEW STREAM (see page #12)

Indicates Video Streaming

Indicates PTT Available
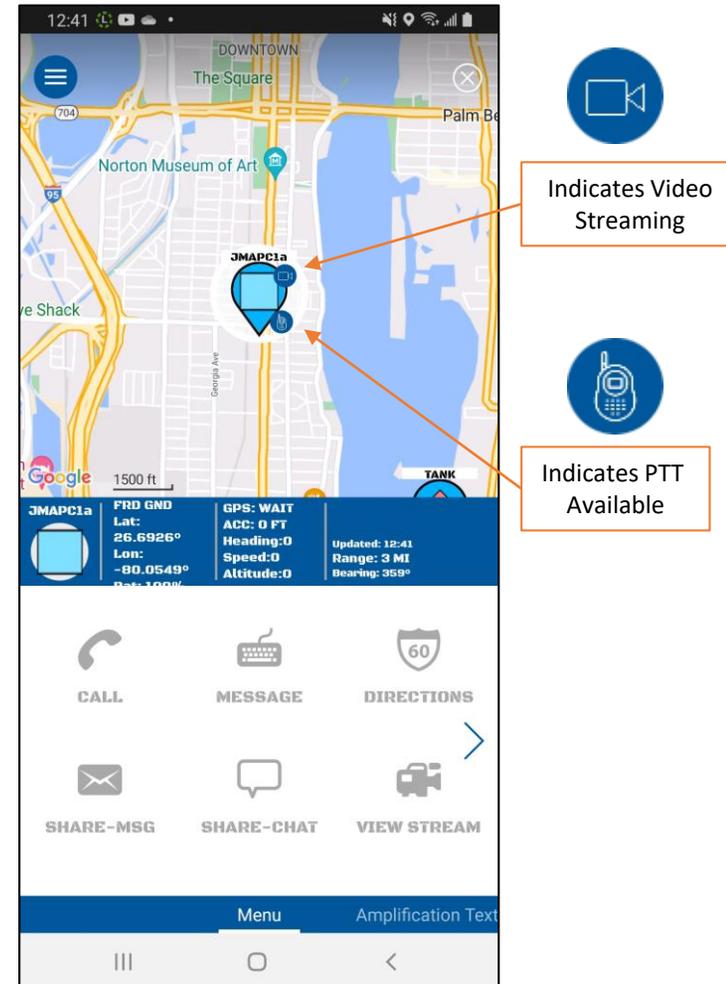
SECTION 6

HOOKED OTHER USER'S SYMBOL

DIRECTIONS

This will open your Android's map program and display turn-by-turn directions from your current location to this user's current location.

Use the back-arrow to return to LifeRing.
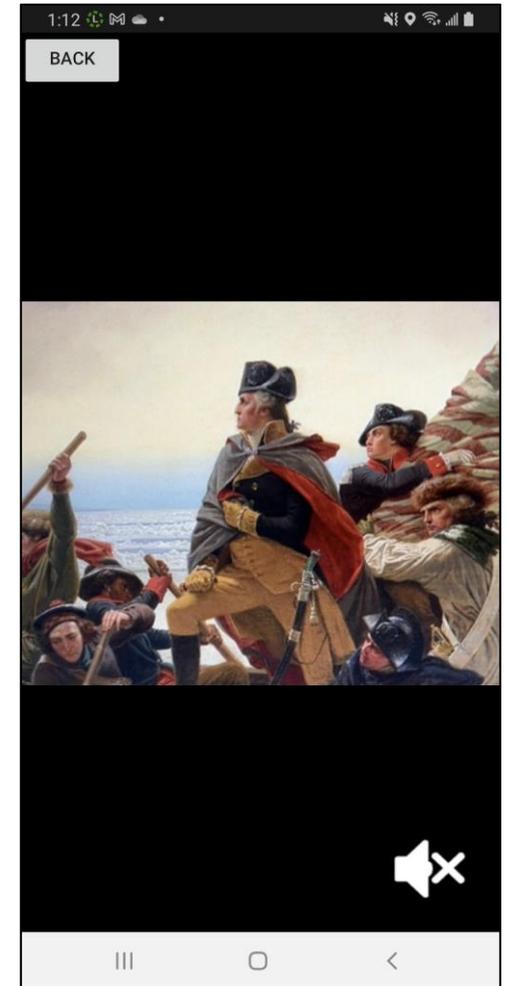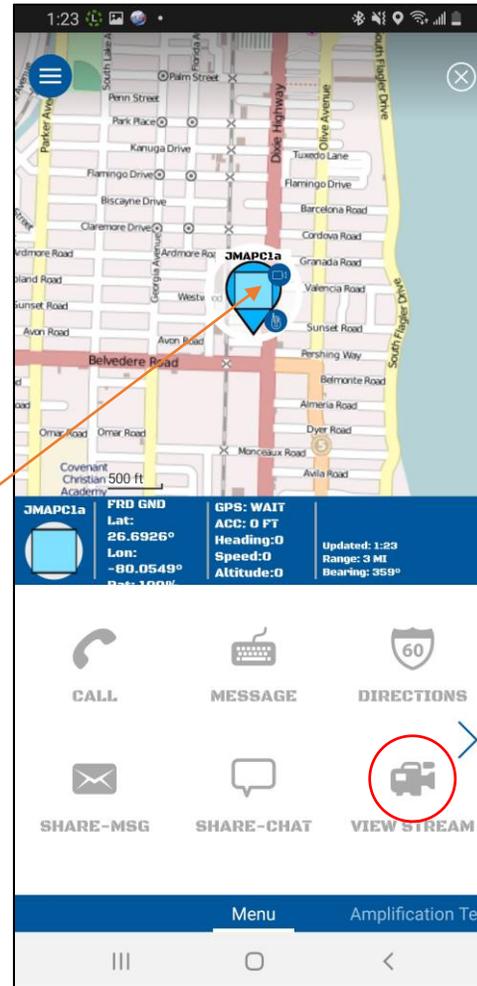
SECTION 6

HOOKED OTHER USER SYMBOL (cont.)

VIEW STREAM

Tap the **View Stream** button to open the viewer window showing you whatever that User's device is currently streaming.

Click the speaker icon to listen to any audio the stream might have.

Indicates Video Streaming

SECTION 6

HOOKED MARKER SYMBOL

When you Hook another user's symbol, the Detail Readout Window will display:

- Call Sign
- Symbol type
- Lat/Long
- Category
- Added On
- Expires On
- Range
- Bearing

If you tap or pull up on the Detail Readout Window, the Symbol Content Window will display with various menu buttons.

MODIFY
This allows you to change how your User Symbol is displayed to other users. It opens the MIL-STAND 2525 drop down menu.

NAME
This allows you to name the Marker which will appear above it on the map.

TEXT
This allows you to add text that will be displayed in your hook readout.

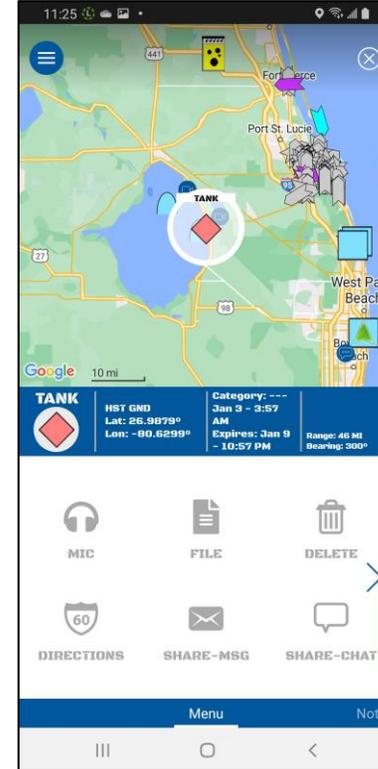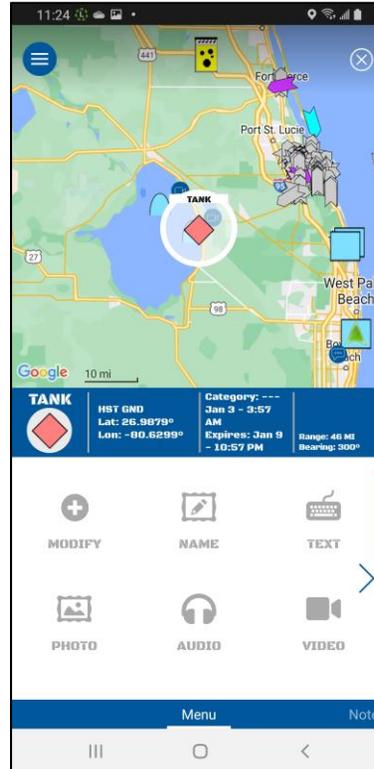**PHOTO, AUDO, VIDEO & FILE** (see page #17)

MIC (see page #18)

DELETE
This removes the Marker from the COP for you and all Users.

DIRECTIONS (see page #19)

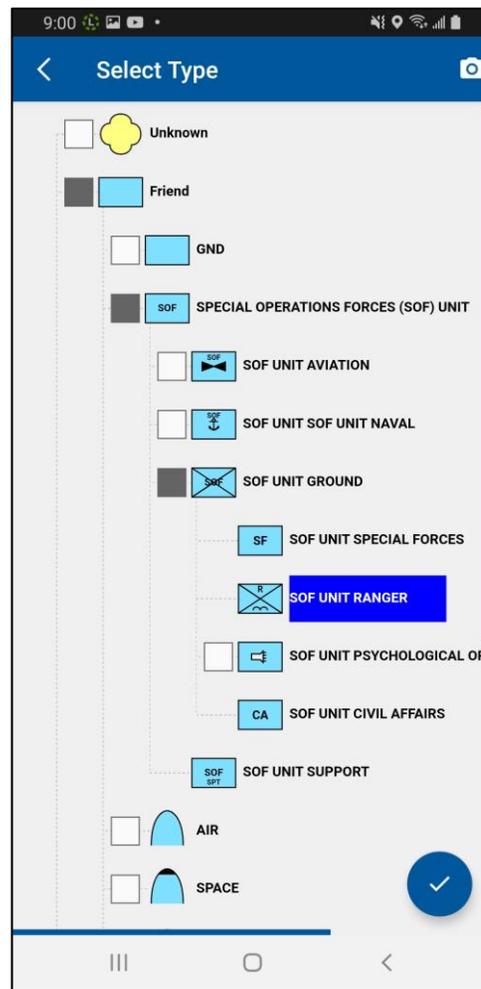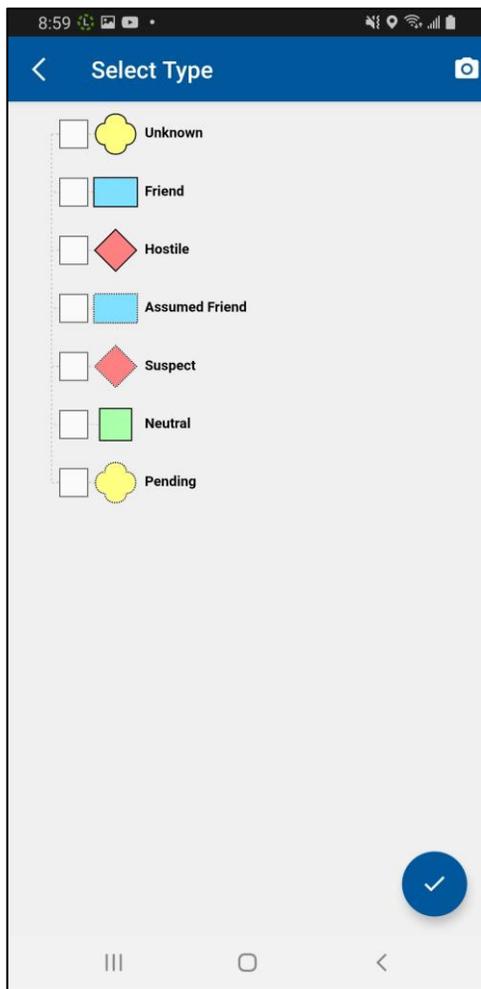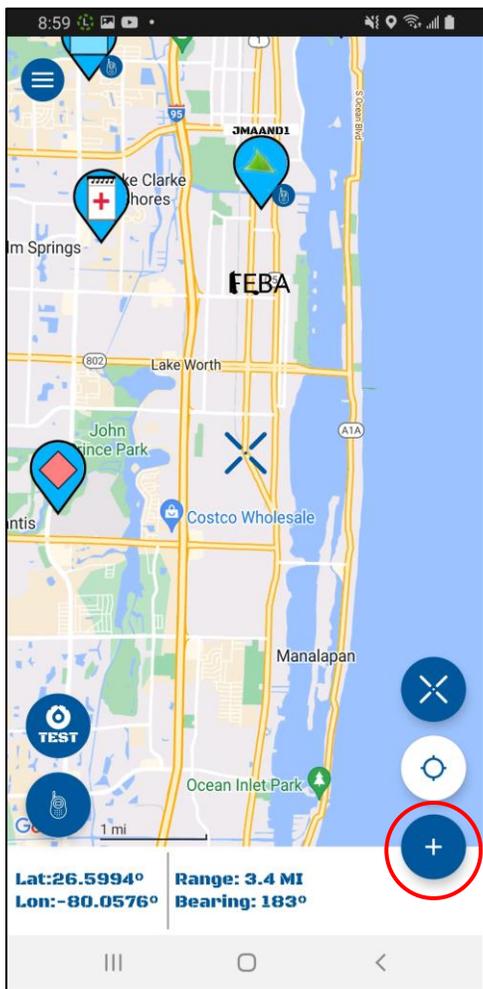**SHARE-MSG & SHARE-CHAT** (see page #10)

SIZE (see page #10)
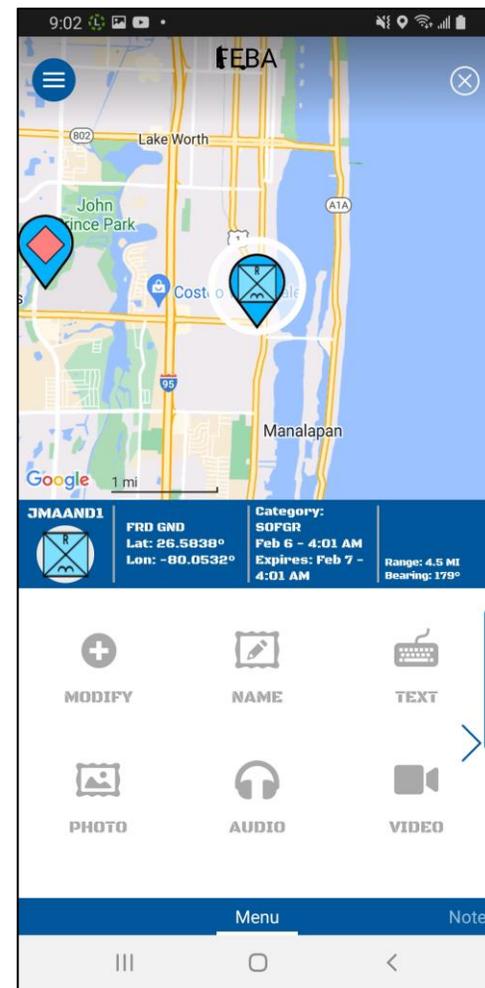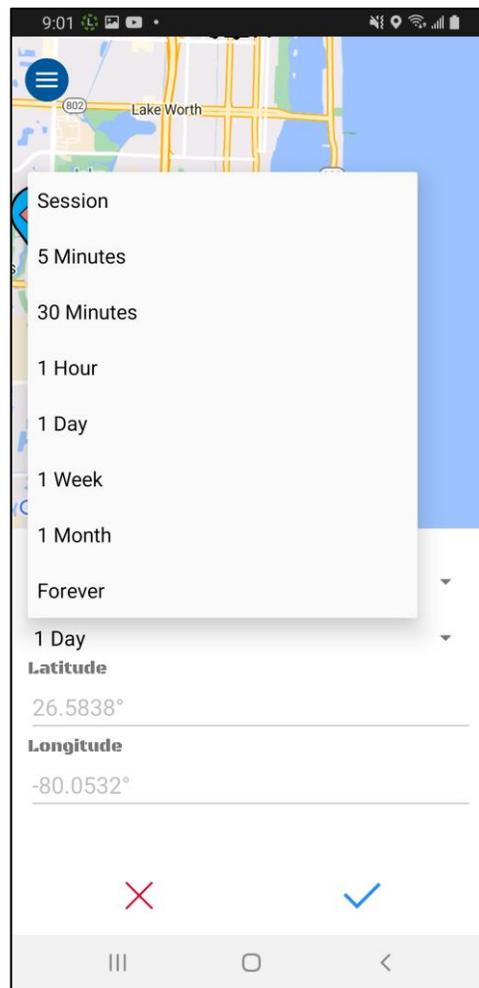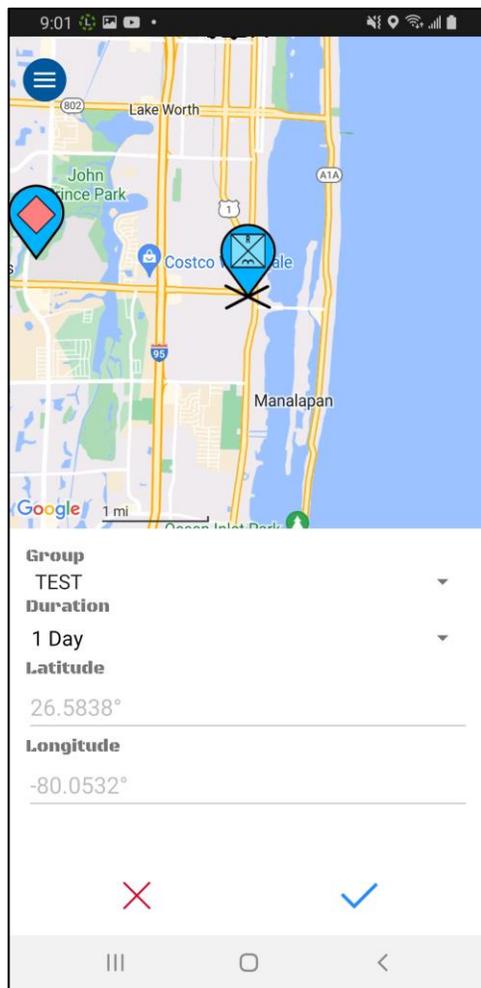
SECTION 7

CREATE A MARKER SYMBOL

Place the Crosshairs at the precise location where you want the Marker to appear. Tap the + icon. Select the type of Marker/Symbol. Expand to see more MIL STD 2525 Symbols. With the Marker you want highlighted, tap Done.

SECTION 7

CREATE A MARKER SYMBOL

Select Group(s) in which you want the Markers to be displayed. Choose the Duration for how long the symbol should stay on the map. Tap Done and the Marker will be placed on the map.

SECTION 8

ATTACHING CONTENT TO A MARKER

To Attach content to any marker, hook the Marker, tap or pull up on the Detail Readout Window to display the Content Window.

Modify a Symbol
- Hook the symbol
- Tap Modify button
- Choose a new symbol to represent the Marker
- Select OK

Attach a Name to a Symbol
- Hook the symbol
- Tap Name Button
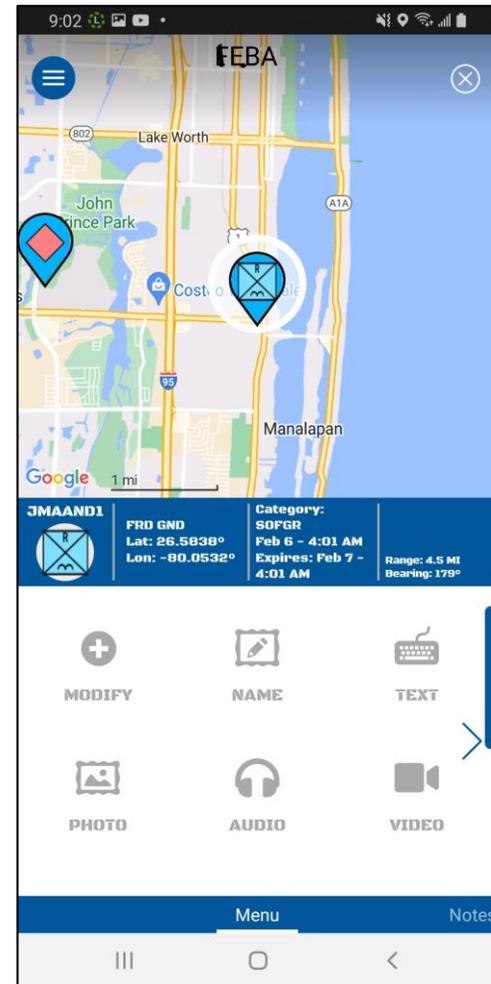- Type in a Name that will appear above the symbol
- Select OK

Attach Text to a Symbol
- Hook the symbol
- Tap Text Button
- Type in any desired Text
- Select OK

Attach a Photo to a Symbol

Hook the symbol
- Tap the Photo Button
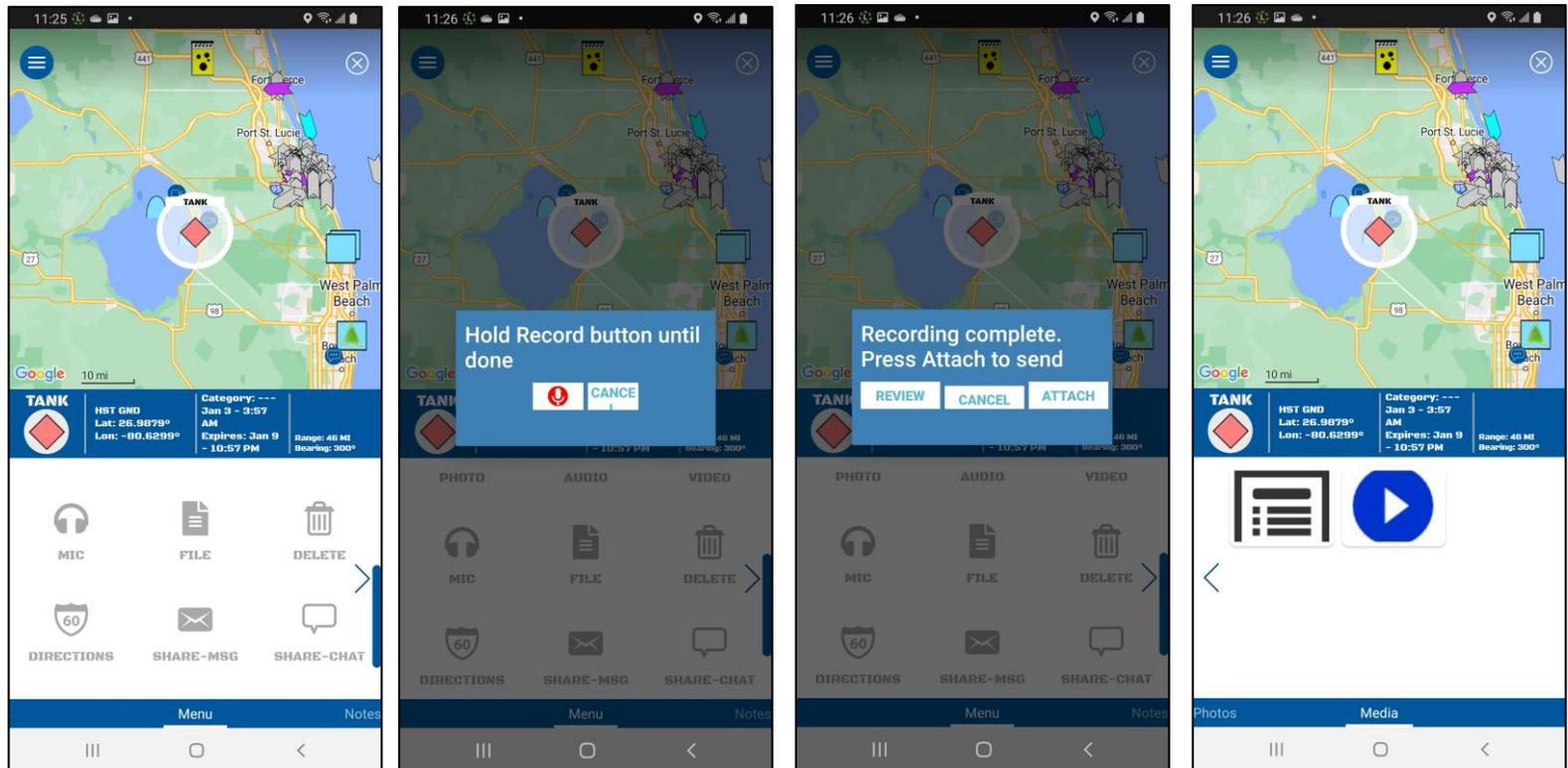- Choose to take a photo or browse your device and select a photo
- Select OK

SECTION 8

ATTACHING CONTENT TO A MARKER

To Attach a Voice Recording
to a Marker

- Tap MIC button
- Tap and hold record button.
- Speak into microphone
- Release when done
- You can Review, Cancel or Attach recording
- Recording will show up in Media panel

SECTION 8

ATTACHING CONTENT TO A MARKER

To Attach content to any marker, hook the Marker, tap or pull up on the Detail Readout Window to display the Content Window.

Delete a Marker
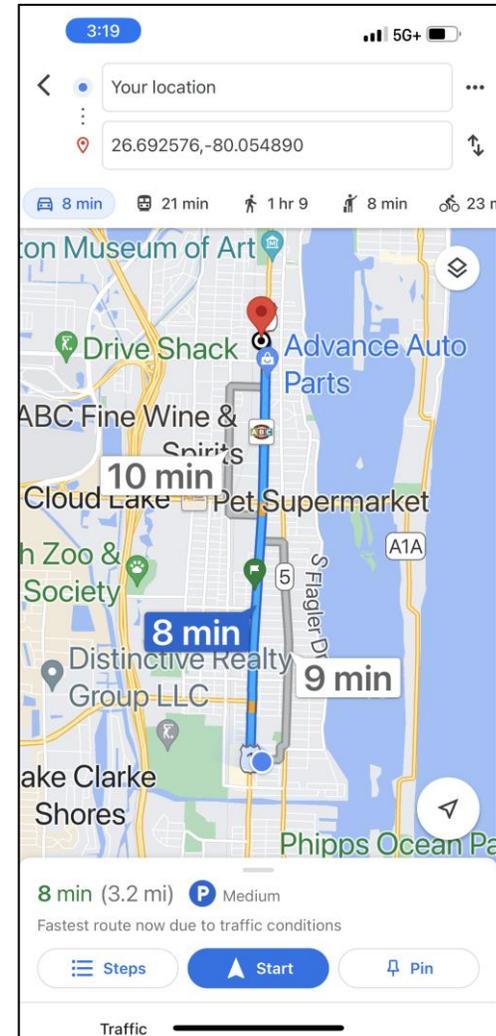- Hook the symbol
- Tap the Delete Button
- Select OK

Get Directions to a Marker
- Hook the symbol
- Tap the Directions Button
- Select OK

Move a Marker
- Hook the symbol
- Tap and hold down on the symbol until it starts moving
- Move with your finger anywhere on the map you wish to place the symbol

This method may be used to move your own location in the case of not having GPS connectivity. Under normal circumstances you will have GPS connectivity and your location on the map will be automatically updated based off of the GPS.
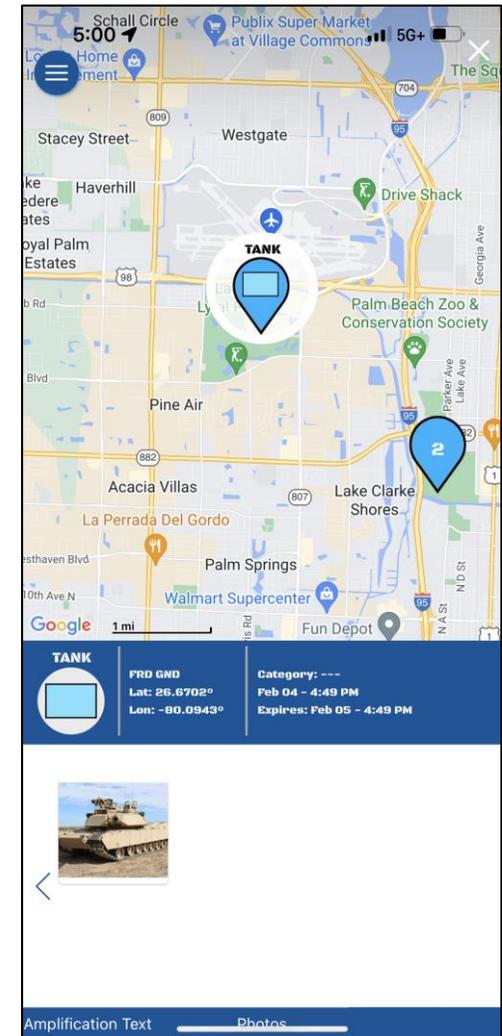
SECTION 9

REVIEWING ATTACHED CONTENT

To Attach content to any marker, hook the Marker, tap or pull up on the Detail Readout Window to display the Content Window.

To view the additional readout information of a symbol:

- Hook the symbol
- Open the Symbol Menu by tapping or dragging upward on Detail Readout Window
- Swipe left or tap on the blue arrow in the Symbol Menu to access the next page
- If the symbol has text attached, you will see it under AMPLIFICARION TEXT.
- If the symbol has a photo attached, you will see it under PHOTOS.
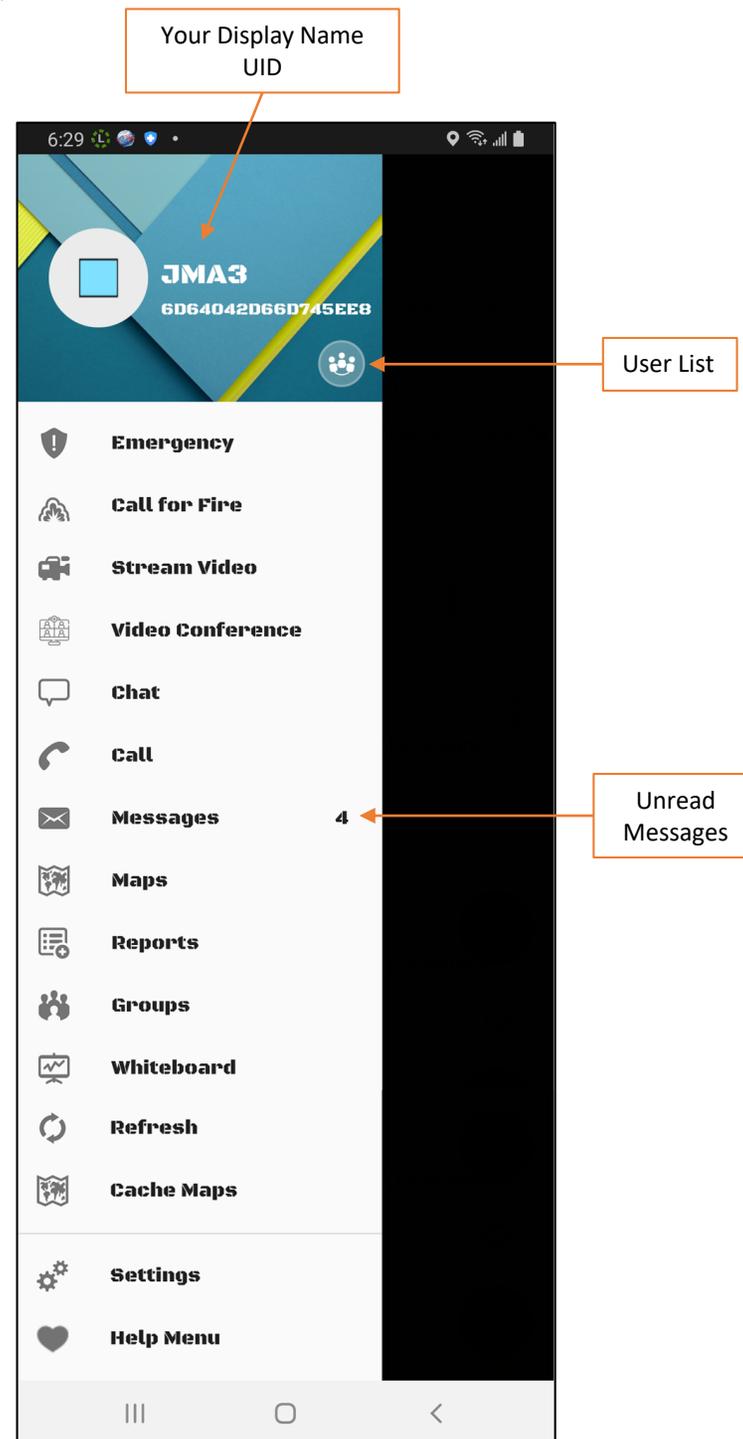
SECTION 10

MAIN MENU

The LifeRing Main Menu offers your core LifeRing options. To open the Main Menu tap on the three bar icon on the top left of your map. To close the Main Menu swipe the Main Menu to the left or tap on the map area on the right side of the menu.

Your Display Name and Unique ID will show at the top of the Main Menu.

Tap on the user list icon to get a list of all active participants in your network.

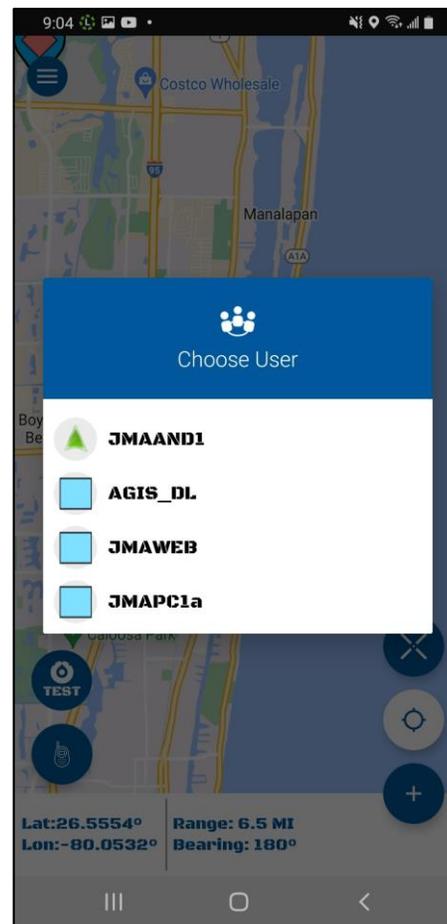Below is a list of features you will find in the Main Menu.

- Emergency
- Call for Fire
- Stream Video
- Video Conference
- Chat
- Call
- Messages
- Maps
- Groups
- Reports
- Whiteboard
- Refresh
- Cache Maps
- Settings
- Help Menu

Your Display Name
UID

User List

Unread
Messages

SECTION 11

USER'S LIST

This display all users currently online in the groups that you share with them.

SECTION 12

EMERGENCY

One of LifeRing's most compelling features is the ability to declare an Emergency that immediately alerts all associates on the network. To declare an Emergency, simply tap the Main Menu button and select "EMERGENCY". A confirmation window will appear asking if you wish to declare an emergency.

Once you confirm you wish to declare an Emergency, all associates will receive the following:

An audio announcement will declare "Emergency Received"
A flashing red circle will surround the symbol in an Emergency.
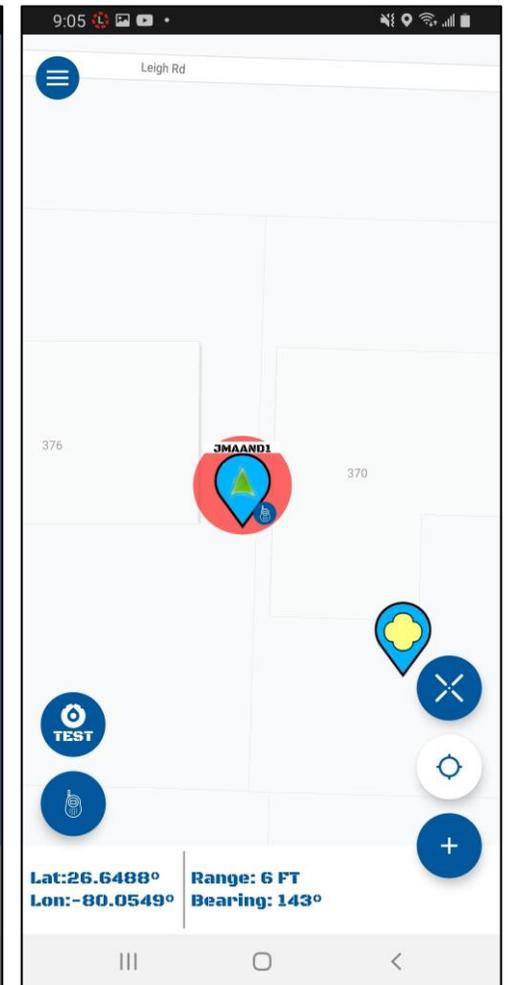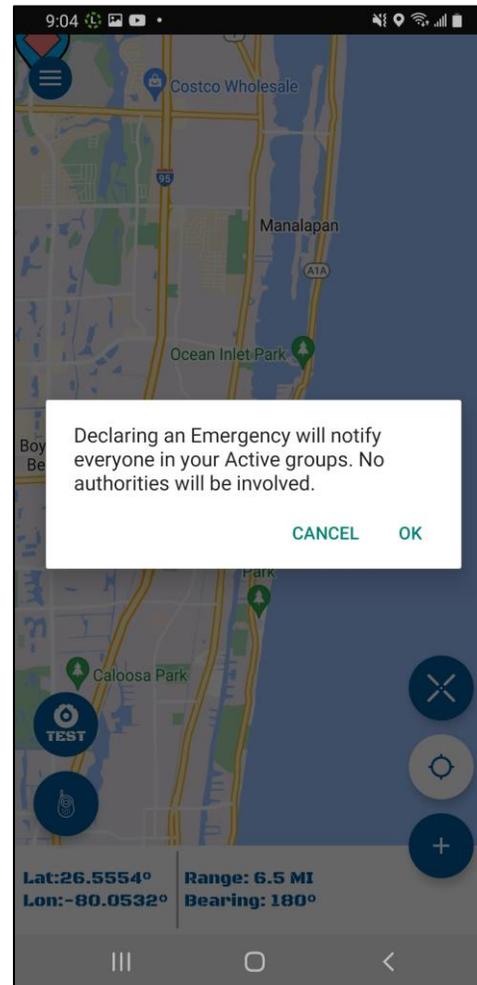
SECTION 13

CALL FOR FIRE

The Call for Fire feature is used to order a weapons strike on a precise location. It is available for those who are authorized to have such capability.

Select the Call for Fire menu button.

Move the map to place the Crosshairs at the exact location of your Call for Fire.

Lat/Long and Range/Bearings are also displayed below to help you pinpoint an exact location.

Tap on the drop-down menu and select the type of target.

Tap the Green check mark to complete or the blue X to cancel.

In Demo mode, you will get the following message:

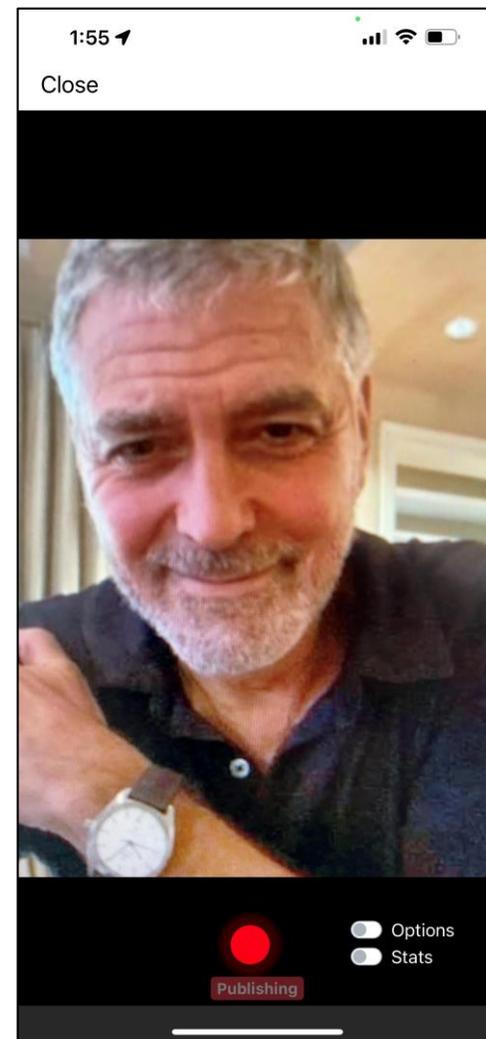"No fire support unit(s) available to receive this request."
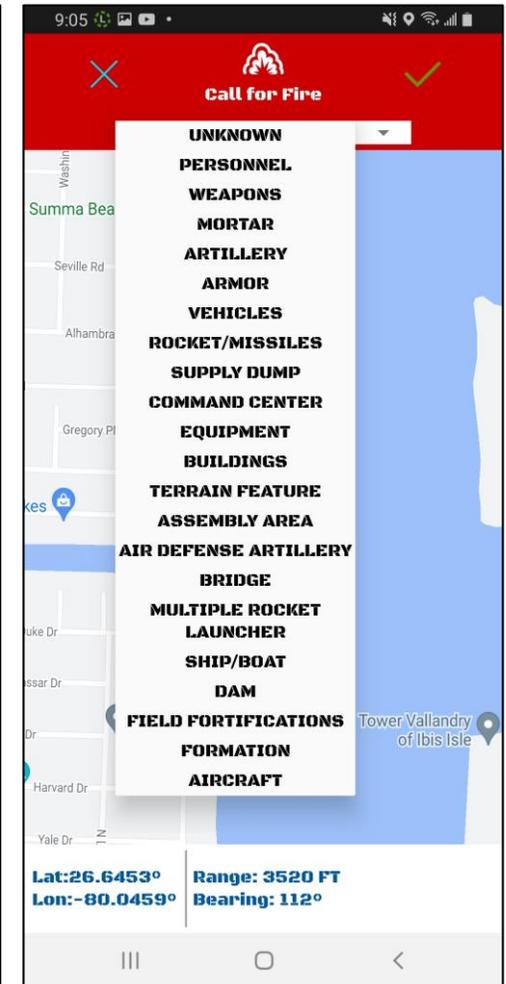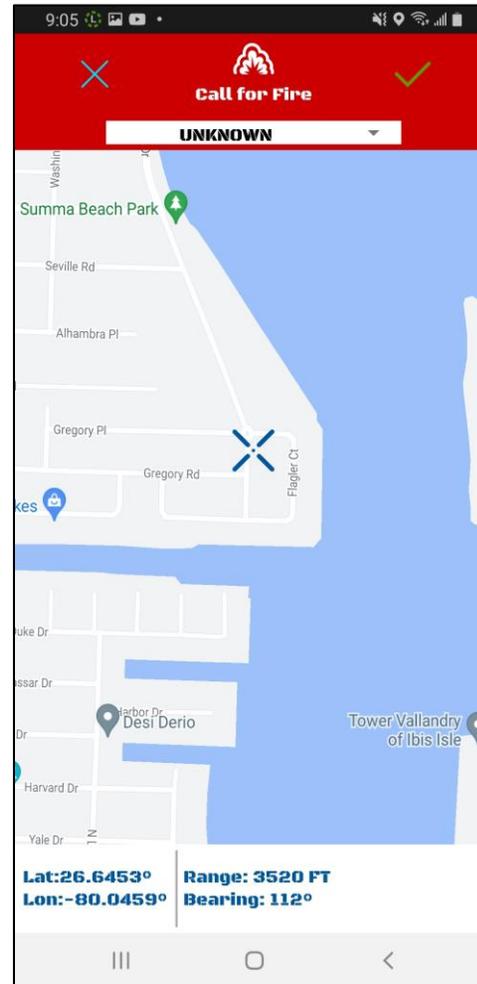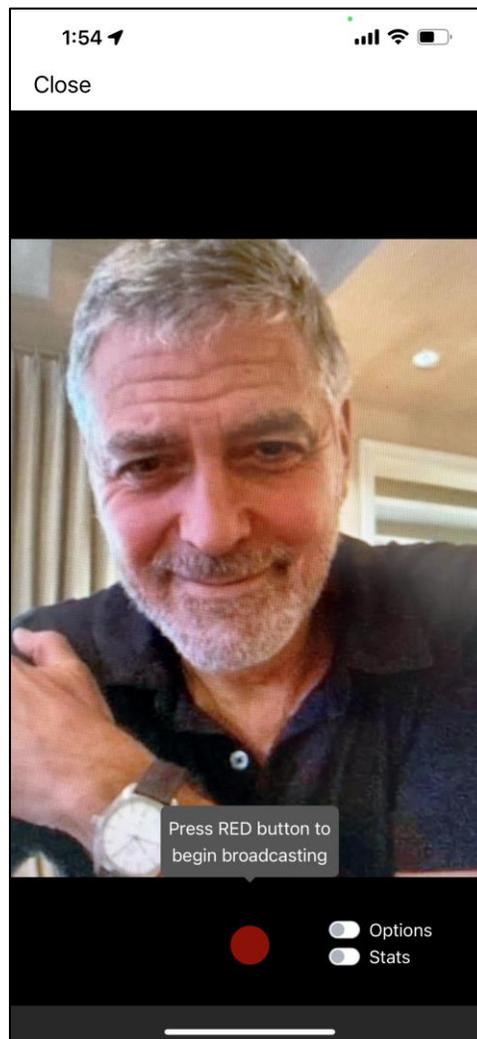
SECTION 14

STREAM VIDEO

This allows you to publish a video stream from your device's camera.

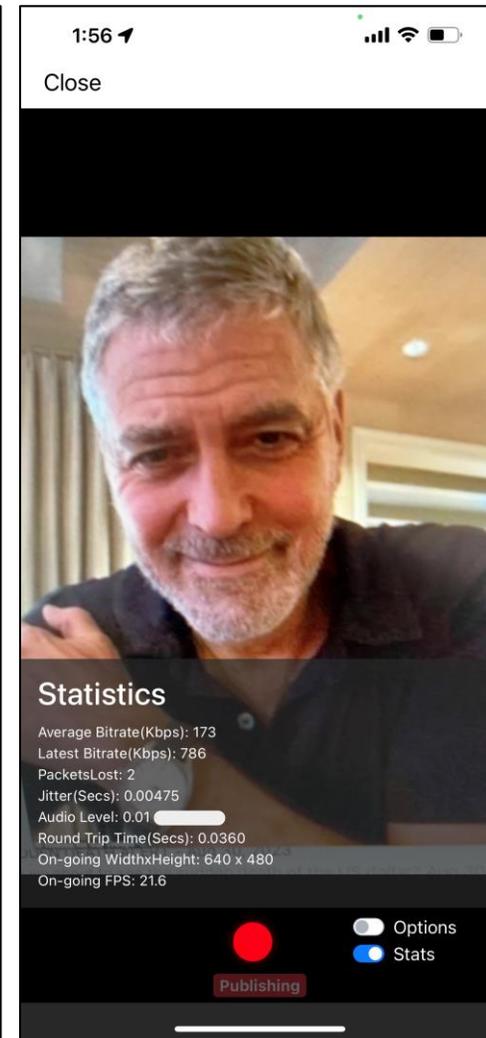- Click the Stream Video button
- In the stream preview window, click the Red circle to begin Publishing.

SECTION 14

STREAM VIDEO

- Click the Options button to change your default Video and Audio inputs
- Click the Stats button to view your Audio and Video data levels
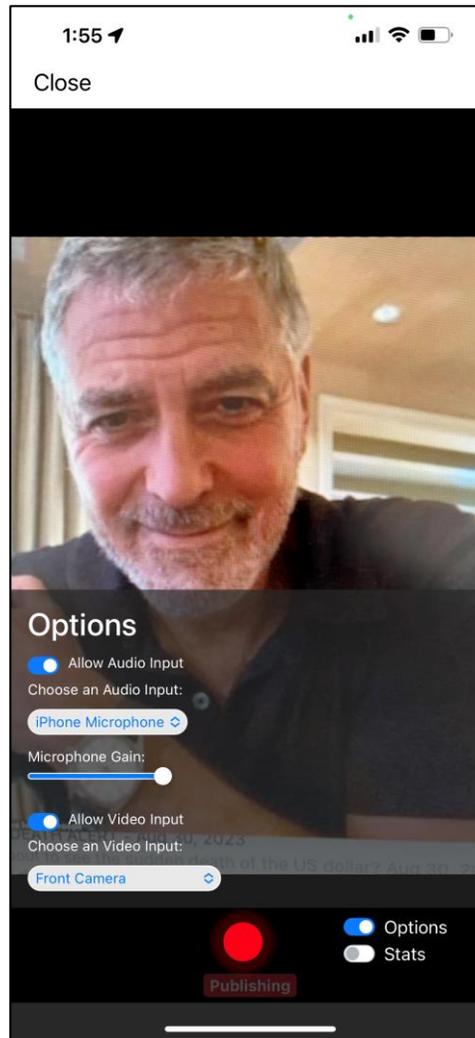
SECTION 15

VIDEO ARCHIVES

The Video Archives section displays all past Video Streams.

- Click the Play Icon from the Actions column to play the video.
- Click the Pin icon from the Actions column to lock that video title at the top of the list.
- Click the BACK TO THER ARCHIVES button to return to the list of video streams.
- Click the CANCEL button to return to the Map.

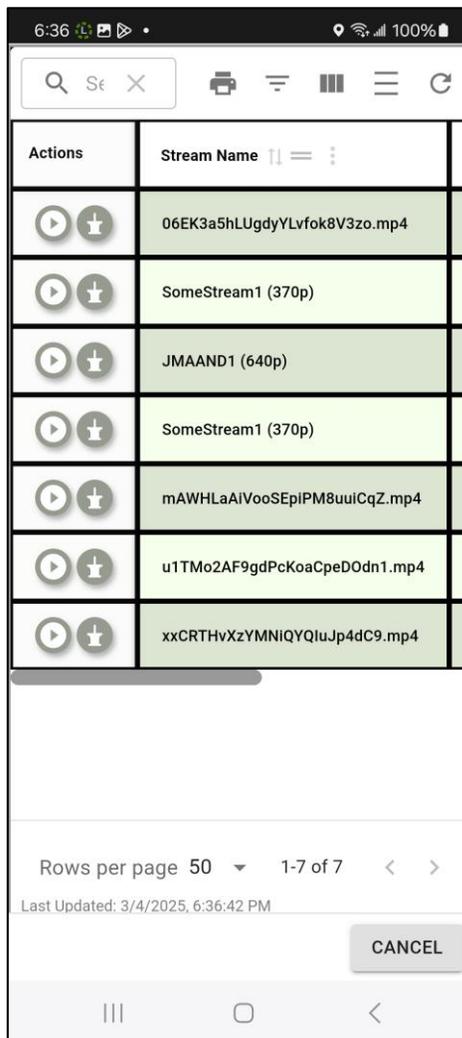# SECTION 15

VIDEO ARCHIVES

Across the top of the screen are various tools to sort and filter the list of Video Streams.
.

- In the Search field you can type in all or part of the Stream name.
- The Print icon will send the list to your printer.
- The Filter icon opens up the filtering options for each of the columns.
- Tap the Filter icon and choose the Filter Mode.
- Type in your search
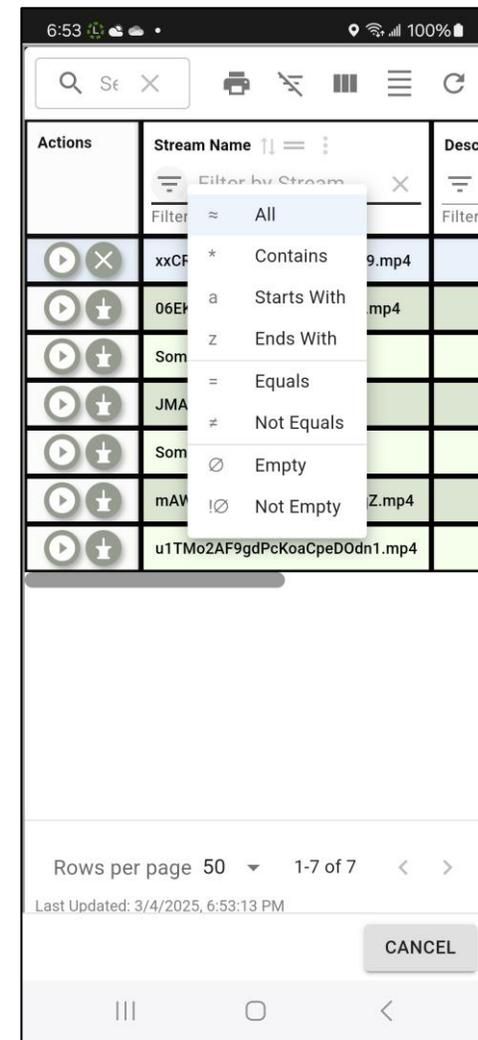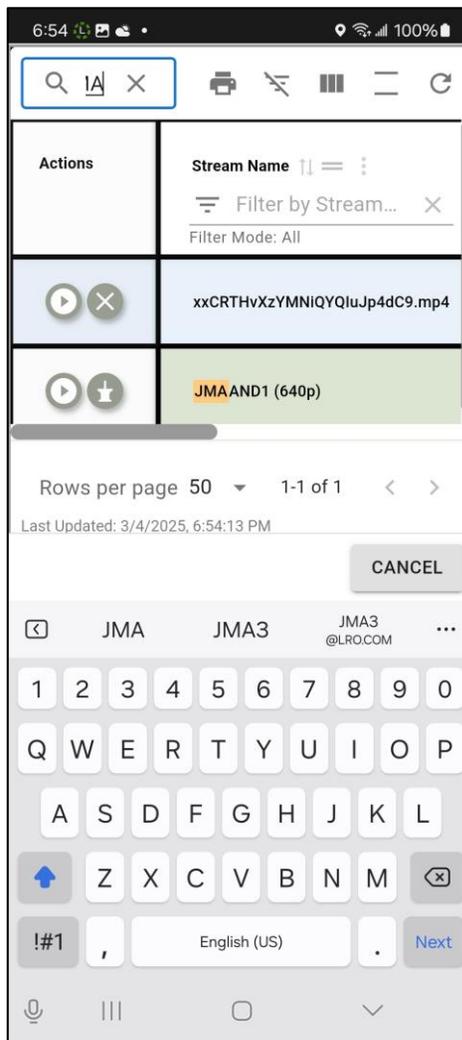
SECTION 15

VIDEO ARCHIVES

The Video Archives section displays all past Video Streams.

- Click the Column icon to hide/display the columns of Stream data.
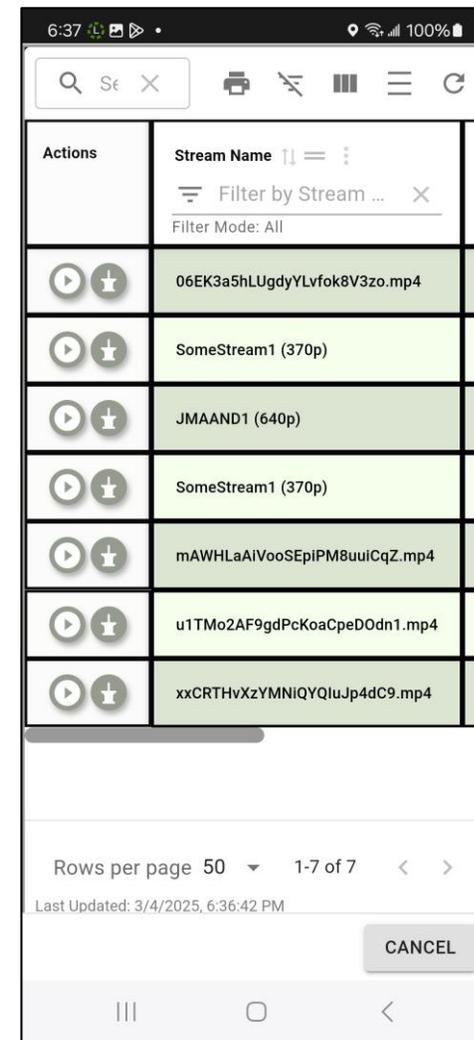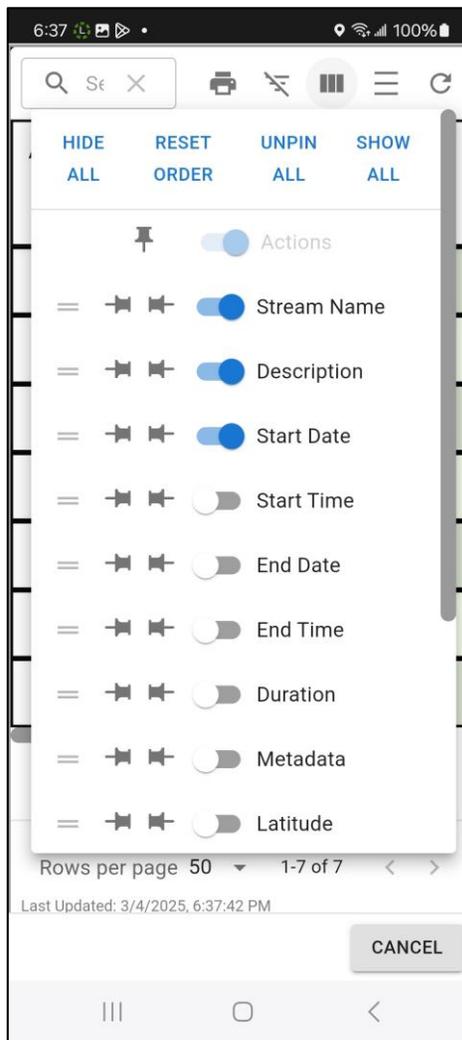
SECTION 15

VIDEO ARCHIVES

The Video Archives section displays all past Video Streams.

- Click the Spacing icon to change the height of the Stream rows
- Click the Refresh icon to refresh the list with any new streams.
- Click the CANCEL button at the bottom to return to the map.
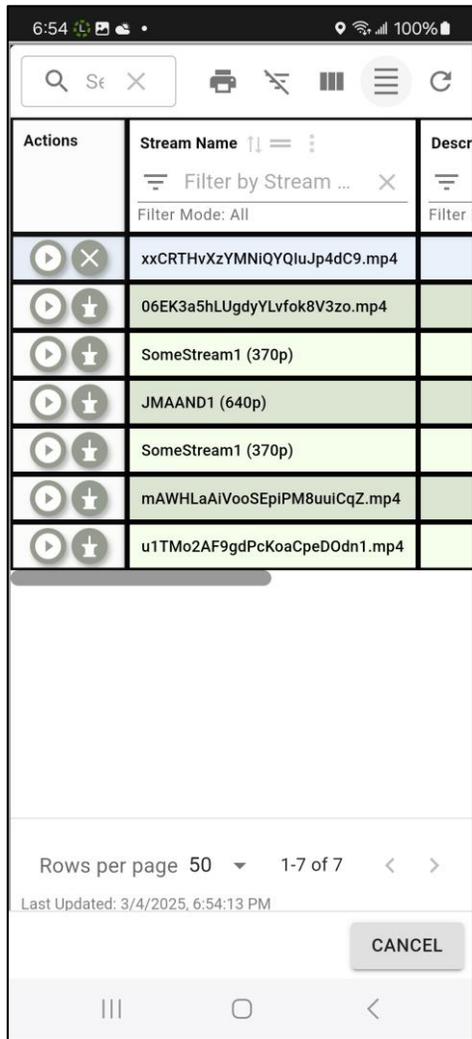
SECTION 16

VIDEO CONFERENCE

Click the Video Conference button to open the conference Home page. Here you can schedule a conference and/or see any/all conferences you have coming up.
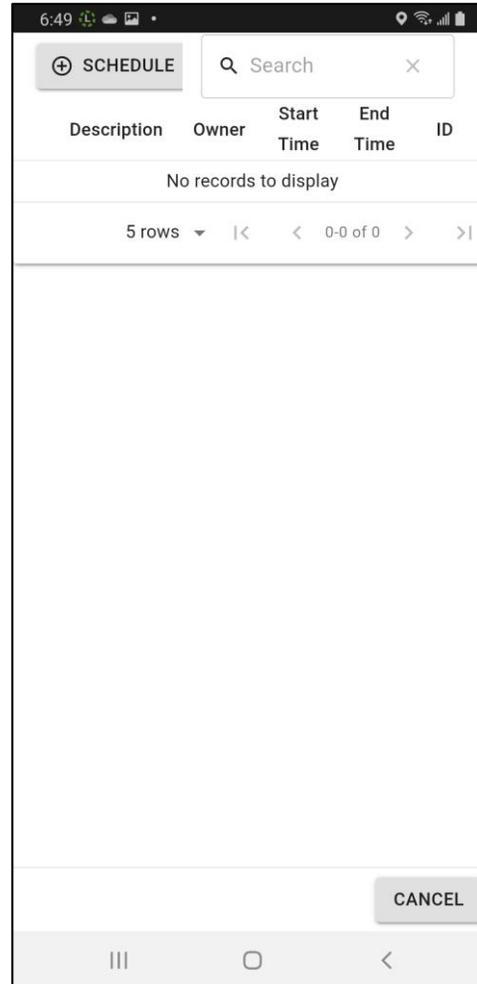
SECTION 16

VIDEO CONFERENCE
- Click the Schedule button to create a new conference.
- Type in a Description
- Choose to Meet Now or set a later date/time.
- Add Participants be their account email address.

You can type partial addresses and then choose from the list below.

- Click the box next to the name you want to invite. You will see them added to the Invited Participants list below
- When you are done adding participants, click the CONFIRM button.
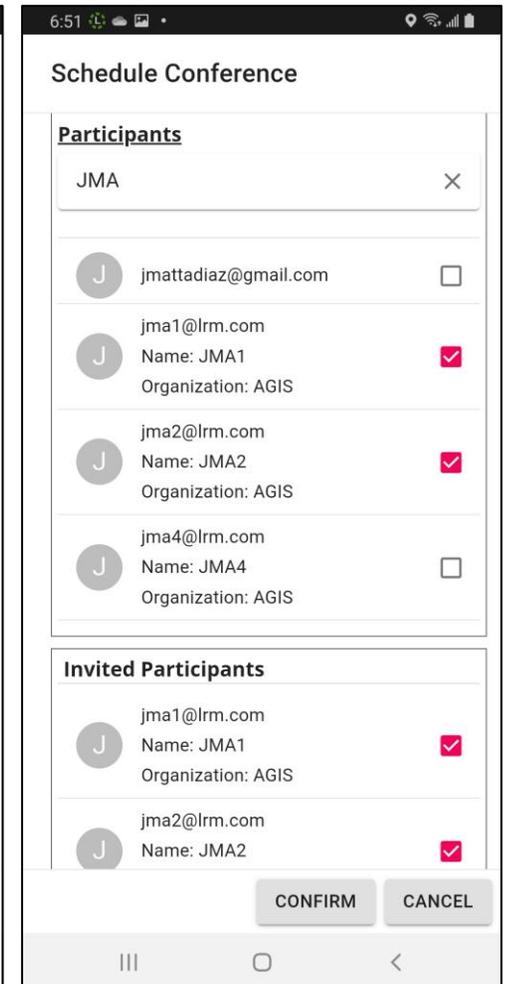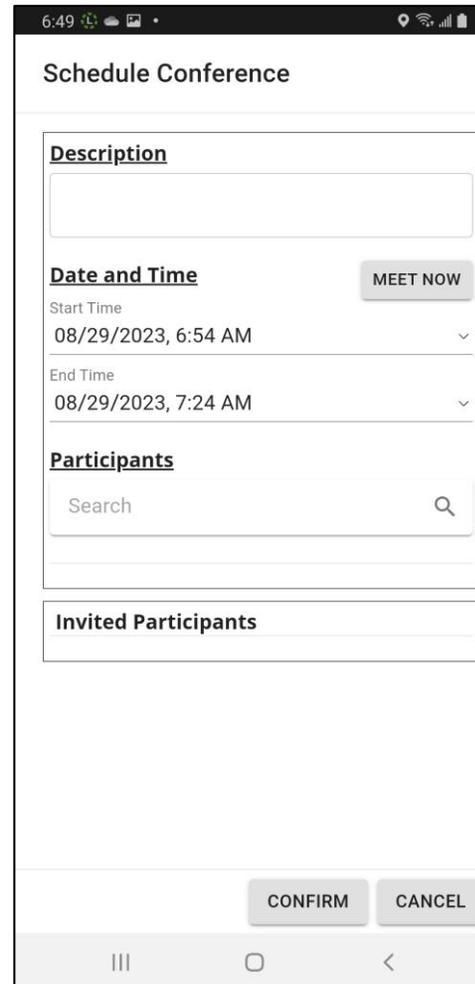
SECTION 16

VIDEO CONFERENCE

You will now see the conference listed in your dashboard. You will also see the conference notification in the upper right. This is the same notification that all your Invited Participants will receive.

- Click the Camera icon to start the conference
- Click the Pencil icon to edit the conference
- Click the Trash icon to delete the conference

NOTE: this screen is easier to view in landscape mode
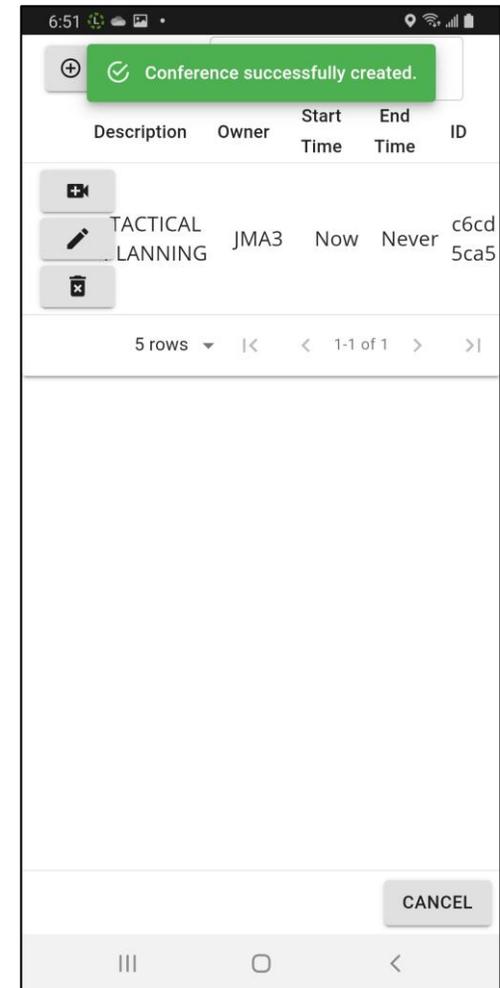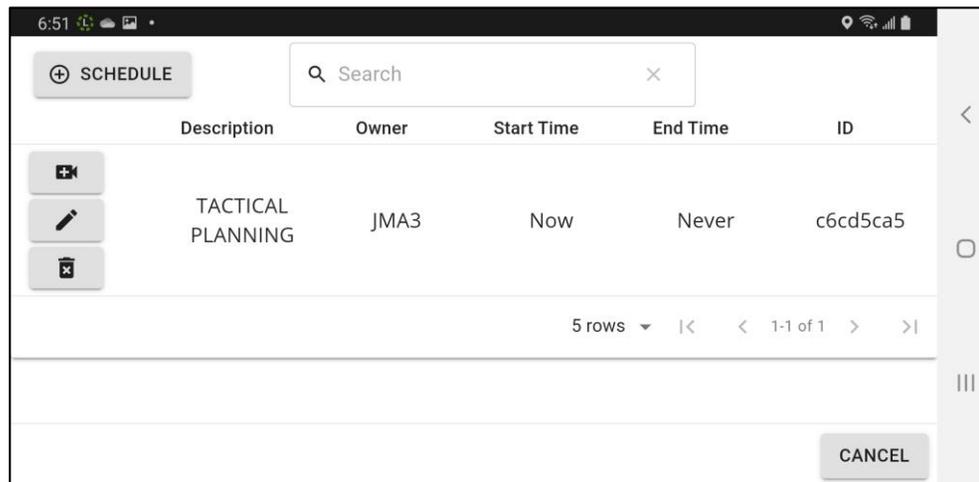
SECTION 16

VIDEO CONFERENCE

- Click the Camera icon to start the conference

You will now see a preview of how you will appear in the Video Conference.

- Click the Camera icon to toggle on/off your Camera
- Click the Microphone icon to toggle on/off your Microphone
- Click the Settings icon to manage your Camera, Microphone and Background options
- Type in the Name you want to display in the Video Conference and click the I'm Ready to Join button
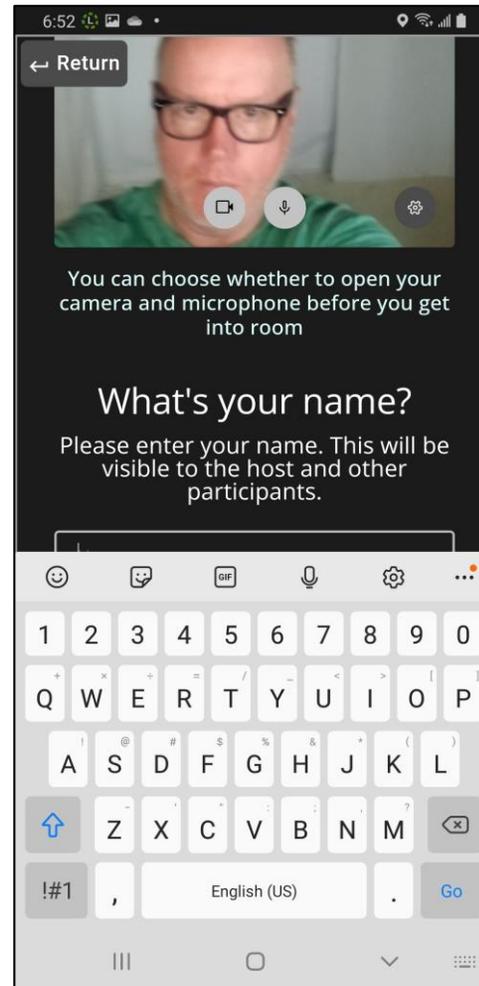
SECTION 16

VIDEO CONFERENCE

You will now be in the conference with any/all Participants who have joined.

- Click the Settings icon to manage the Layout of the stream tiles as well as your Camera, Microphone and Background options
- Click the Camera icon to toggle on/off your Camera
- Click the Microphone icon to toggle on/off your Microphone
- Click the Screen icon to Present now and share

SECTION 16

VIDEO CONFERENCE

You will now be in the conference with any/all Participants who have joined.

- Click the Settings icon to manage the Layout of the stream tiles as well as your Camera, Microphone and Background options
- Click the Camera icon to toggle on/off your Camera
- Click the Microphone icon to toggle on/off your Microphone
- Click the Screen icon to Present now and share
- Click the Chat icon to to share text messages with participants
- Click the Participants Tab in the chat window to view all participants.
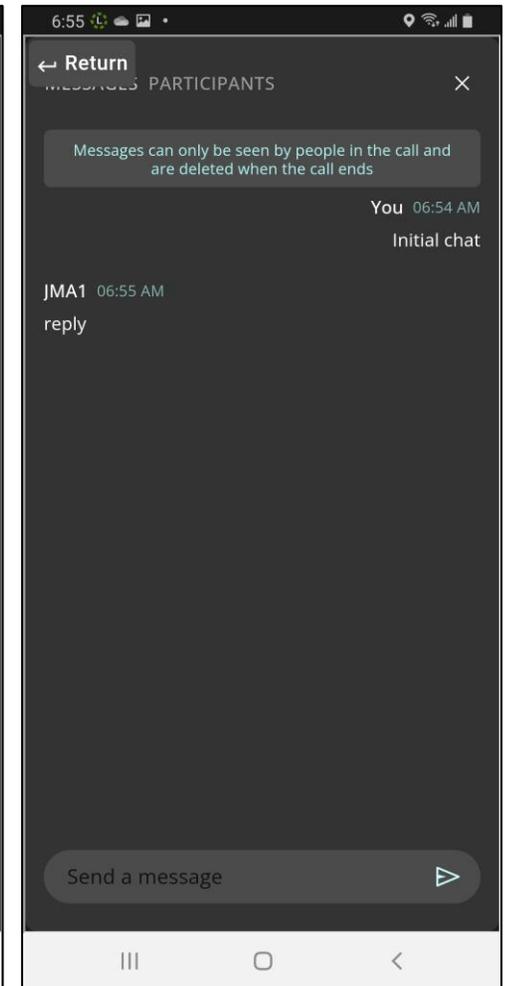
SECTION 16

VIDEO CONFERENCE

Once you've ended the conference, you have the option to Rejoin or Return to the Home Screen

- Click the Return to home screen button and you have the option to Create a Meeting or Return to the Conference Dashboard.
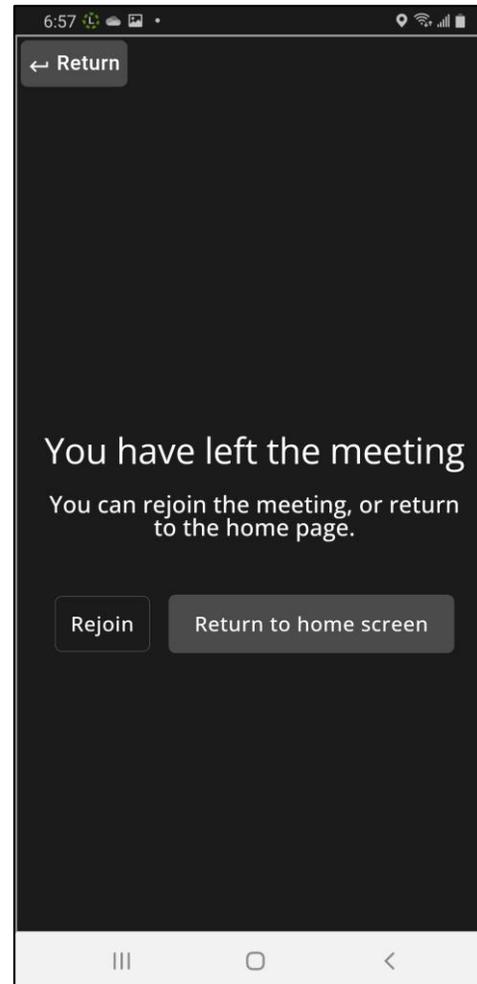
SECTION 16

VIDEO CONFERENCE

- Click the Trash icon to delete the conference for all Participants

- Click the Cancel button to return the Map.
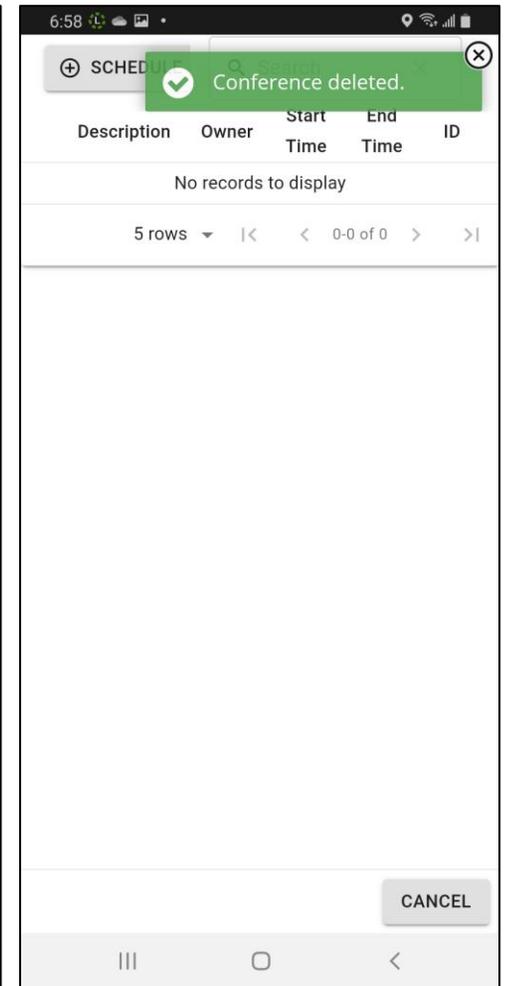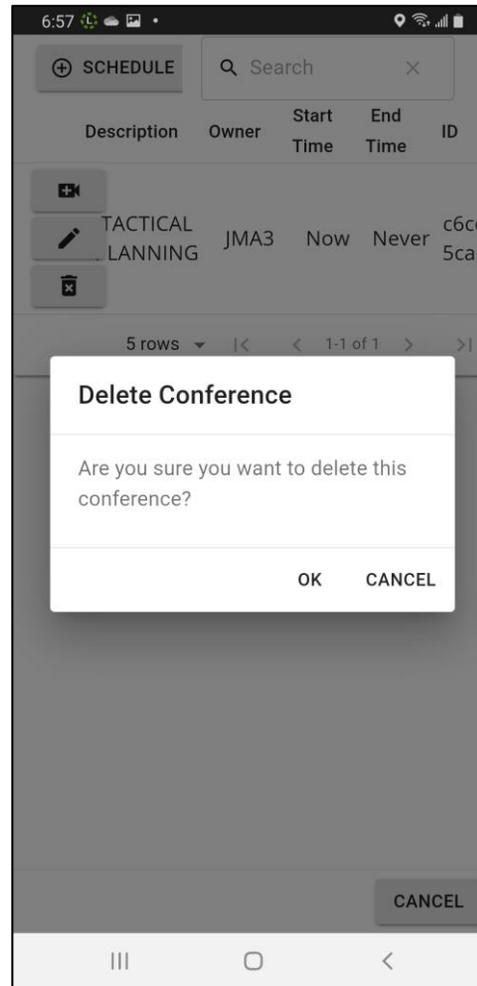
SECTION 17

CHAT

Chat is another way that LifeRing users can communicate with in real time with each other. It is similar to instant messaging. When one member sends a Chat message, it goes to all associates. Each associate will hear an audio indicator that they have received a Chat message. Each message will be time stamped and have the sender's name. Only people that are currently logged into the system will get the message and be able to respond. They are not saved on the device. Chat can be saved for after action reports if desired.

To send a Chat message:
- Select "Chat"
- Enter the message into the textbox
- Press the send button
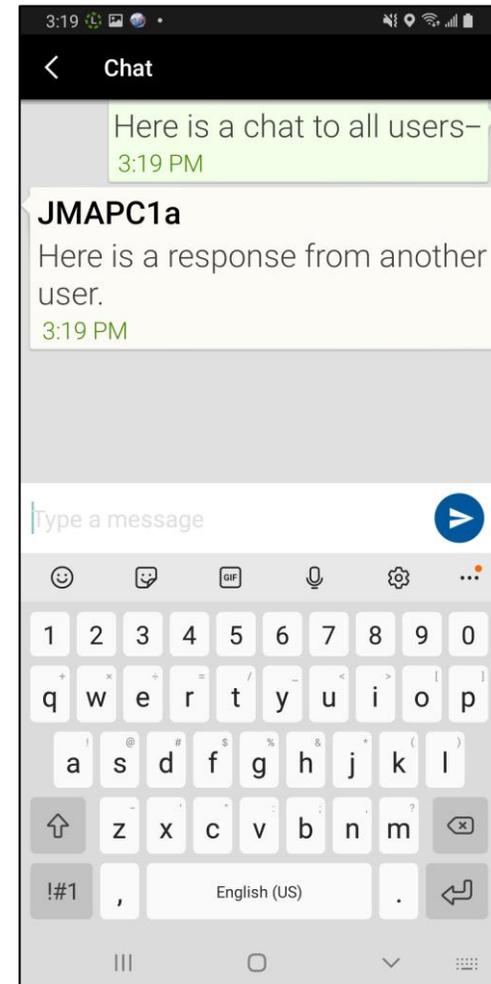
SECTION 18

CALL

Tap the call button and it opens your device's phone app.
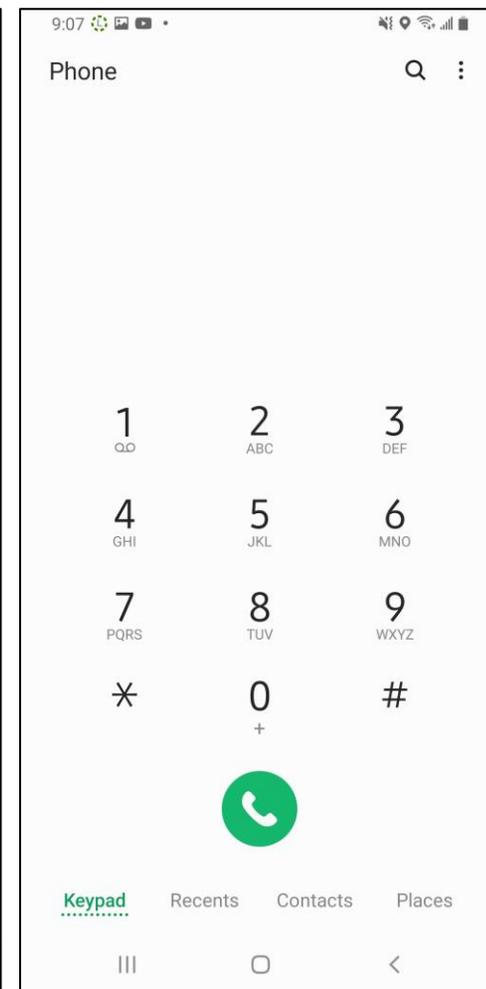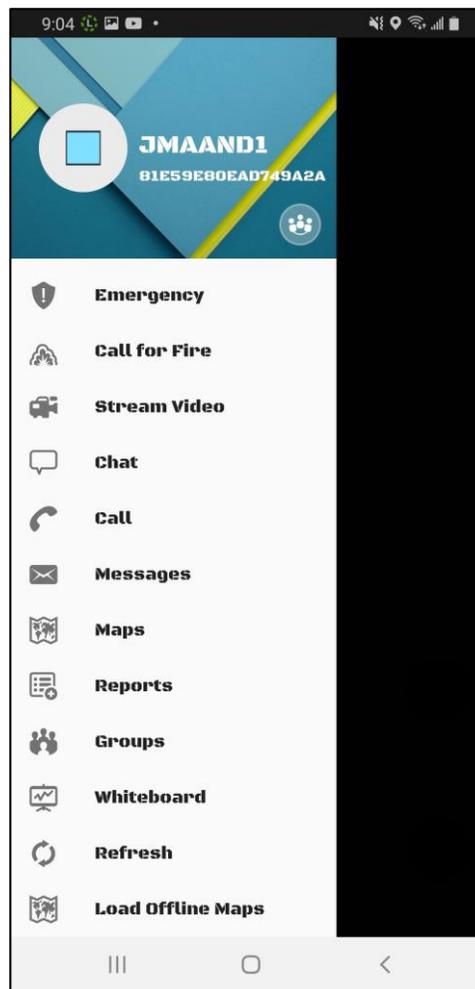
SECTION 19

MESSAGES

Android LifeRing utilizes text and photo to send messages between associates. Messages can be sent to an individual associate or everyone in your group(s). Messages follow the traditional conversation style layout. A conversation will include all messages between two specified associates. The user can select MESSAGE from the Main Menu to see the conversation window.

All messages can be accessed from the Main Messaging window under "List All Messages". This will not provide a conversation style messaging format. Every message sent or received will be listed by the time and date it was sent or received not filed by the sender. This will include messages from all associates the user has conversed with as well as messages you have sent.
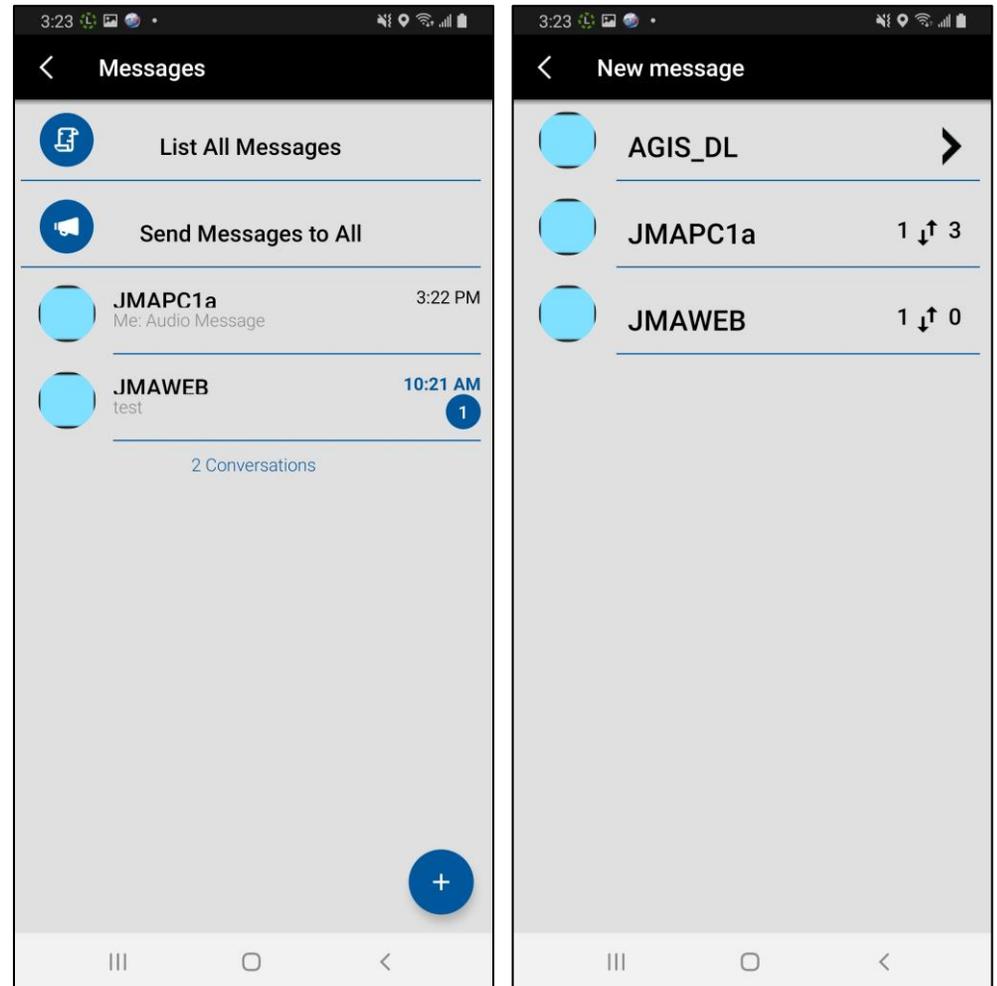
SECTION 19

MESSAGES

To attach a photo to a message:

- Click the paper clip icon at the bottom of the messenger window.
- You can Select a photo from your Android device's library or take one.
- Once selected, it will automatically be attached to the message thread.

SECTION 19

MESSAGES

To attach a photo to a message:

- Click the paper clip icon at the bottom of the messenger window.
- You can Select a photo from your Android device's library or take one.
- Once selected, it will automatically be attached to the message thread.

SECTION 19

MESSAGES

To attach a photo to a message:

44
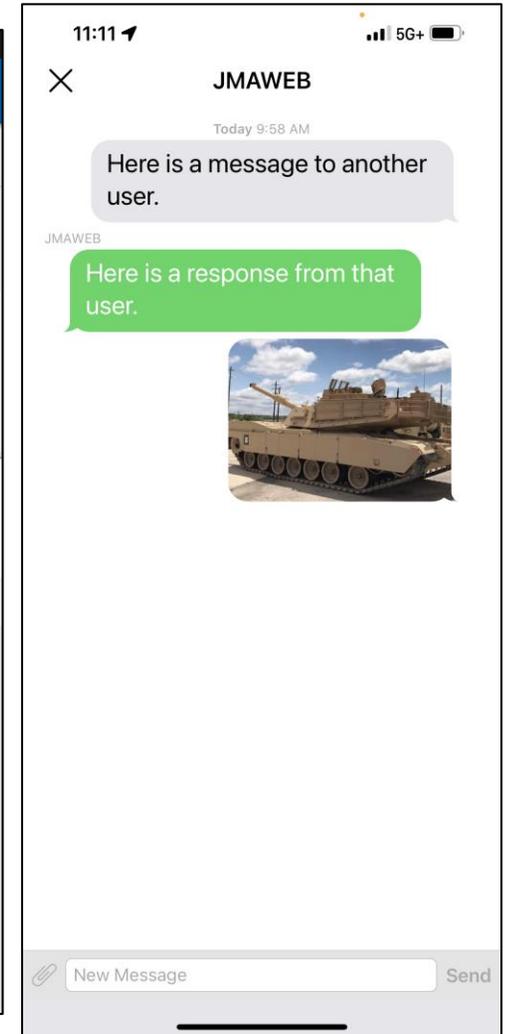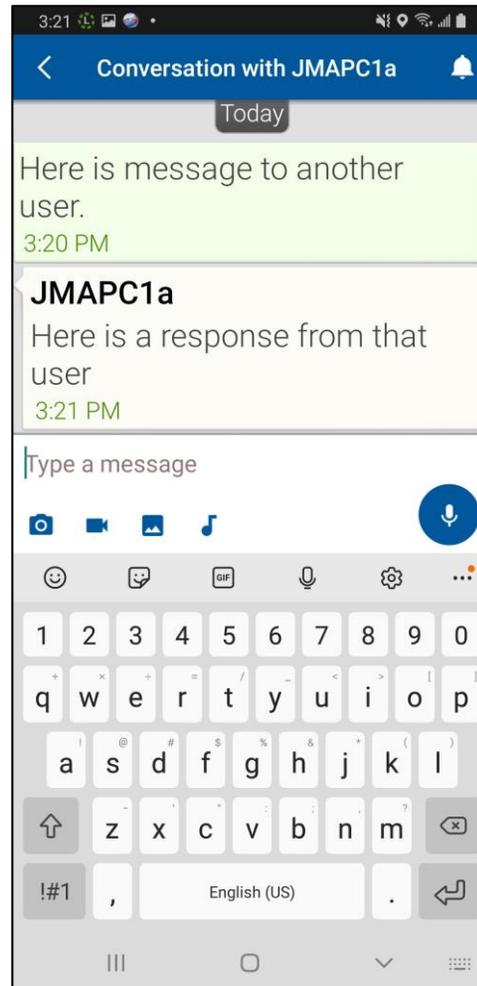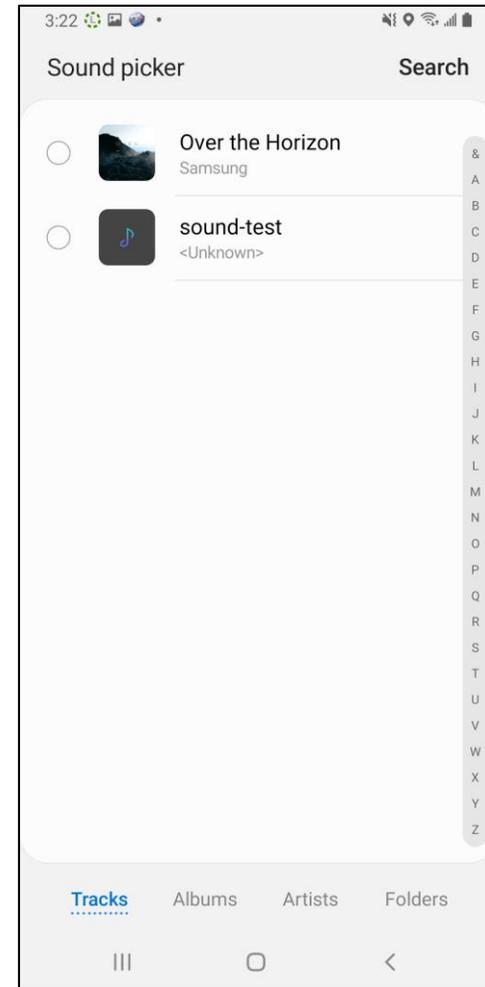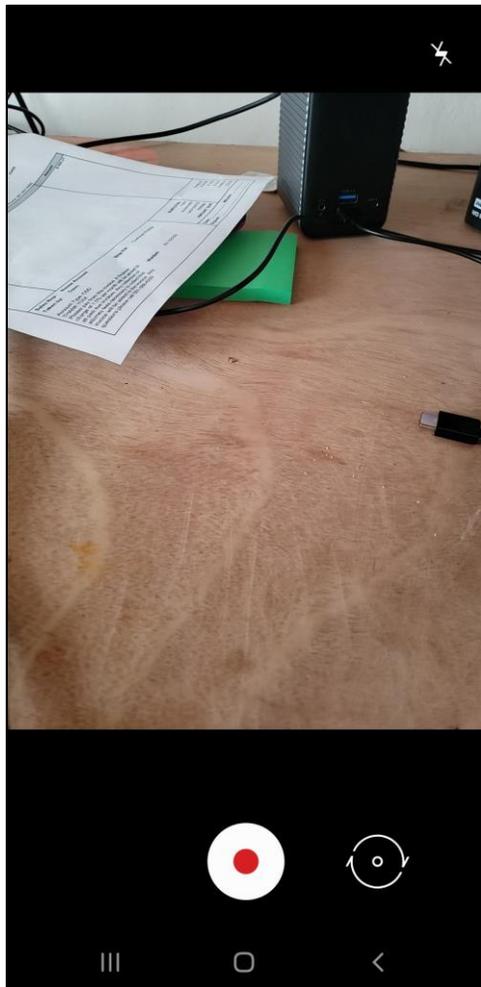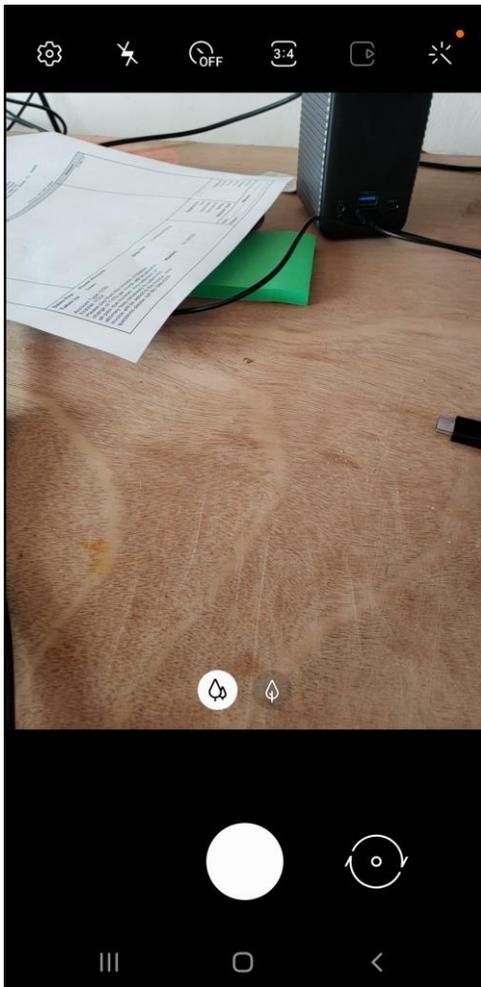
MESSAGES

To attach a Voice Recording to a message:

Tap and hold the blue Microphone icon. It will turn red while you're in record mode. Talk into your device microphone. Release the button when you're done recording and it will automatically attach and send the recording.
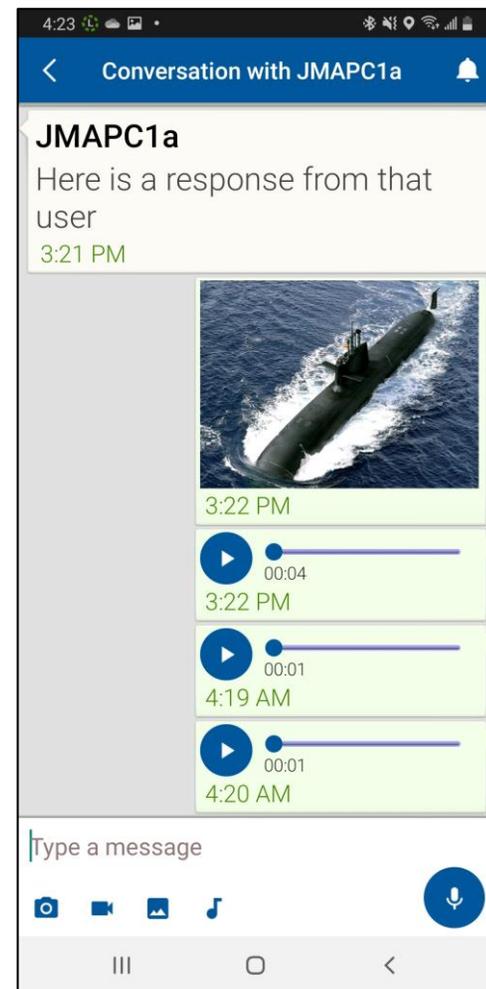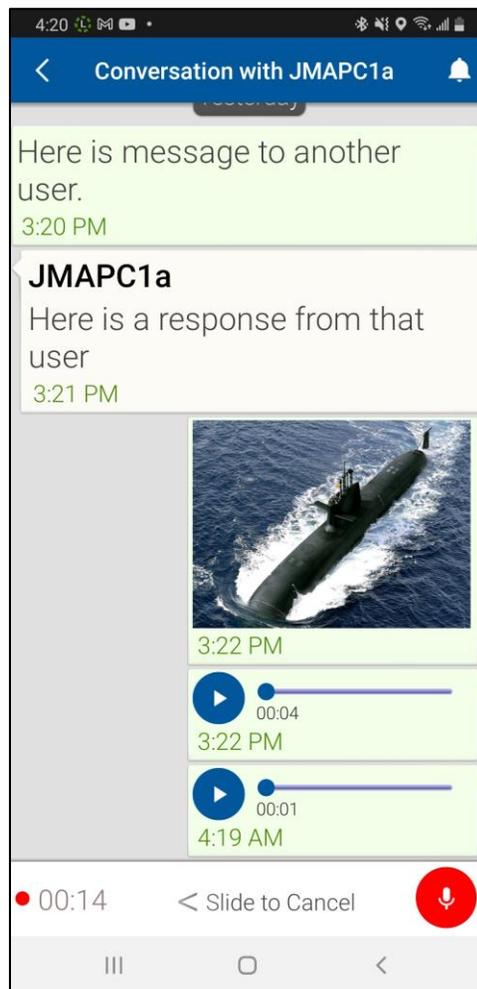
SECTION 20

MAPS

The LifeRing Network Server "pushes" maps to the LifeRing Participant. As the user travels, The LifeRing software evaluates its existing cache of maps and automatically receives and installs new maps to best illustrate the local symbol location. LifeRing evaluates its memory allotment and will only install maps to its capacity.

To choose the map type:
- Tap the Main Menu button
- Select MAPS
- Select the desired map

The actual maps types that are connected to these options will be determined by the LifeRing Server Administrator. LifeRing software automatically selects the map image that best correlates with the zoom range of your display from the selected map types. If you prefer another map selection, you can deselect that map type and LifeRing will utilize the next best map.

There are multiple ways to acquire maps for your LifeRing device. Internet downloads maps directly from the internet without involving the server. Commercial Maps, Military Maps, and Imagery Maps look to the server for the maps. If the server does not already have them, the server gets them from the internet. (Note that the map sources connected each of these map selections are determined by the LifeRing Server Administrator.
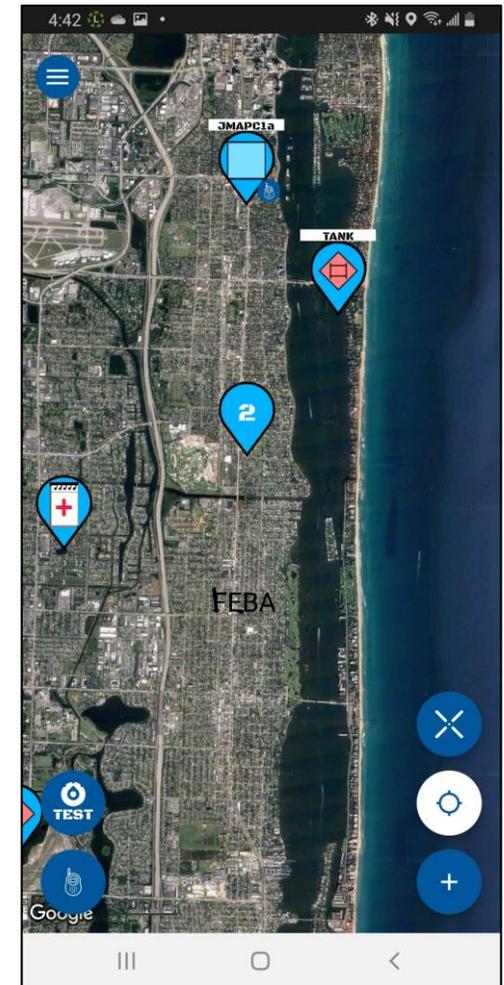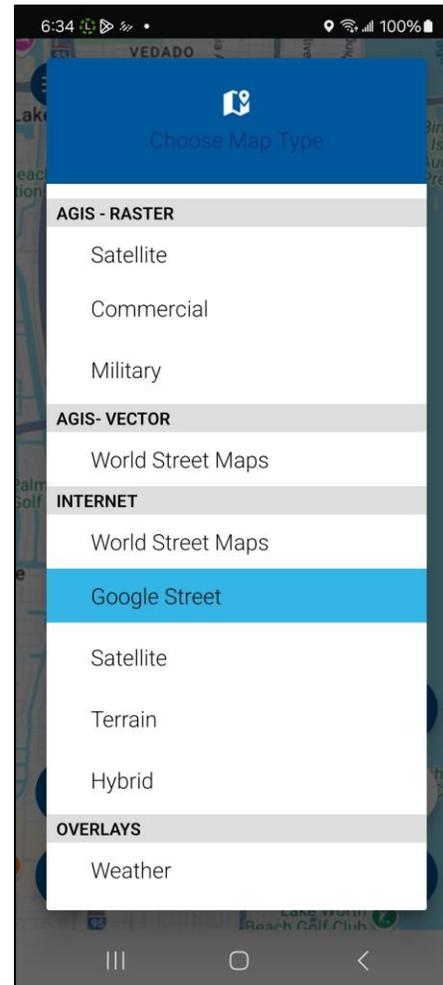
SECTION 21

REPORTS

These are content-specific symbols added to the map that provide a concise narrative report of essential information covering events or conditions.

Select the Report button to bring up the available report types.

Spot Report
This is an observation report

UXO Report
This is an Un-Exploded Ordnance report.

Medevac Report
This is an Emergency Medical report.
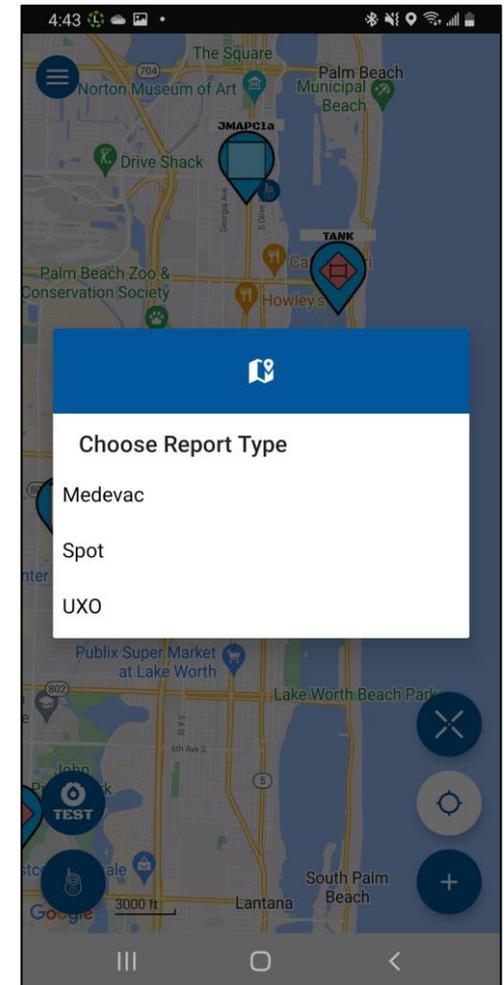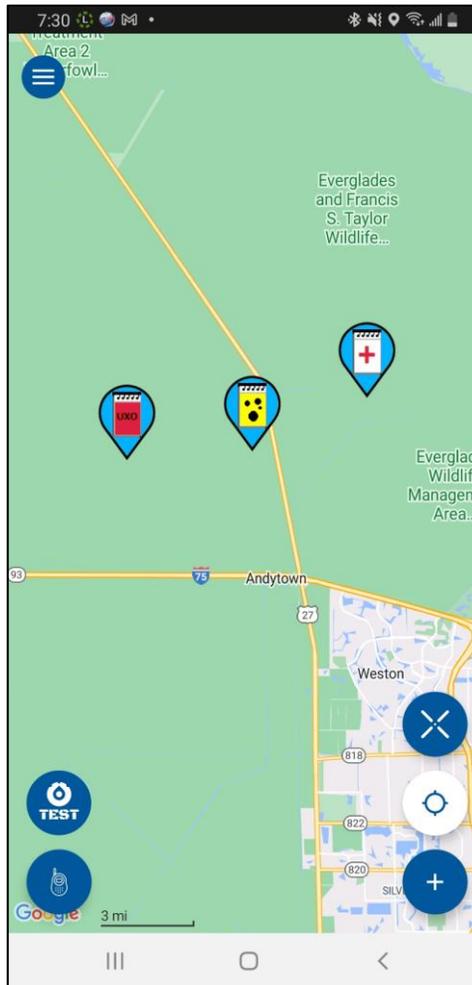
SECTION 21

REPORTS

Choose a Report Type and fill in the appropriate information. Choose a group and session time for your Report Symbol to be available for other users on the network. Click the blue check mark.

The Report symbol will be displayed on the map. Hook the Report symbol and scroll right to see the entered data.

SECTION 22

GROUPS

LifeRing allows users to form groups for private levels of communication.

To CREATE or JOIN a Group, Tap + icon. Enter a new or known group name (all CAPS with no spaces)

Group names can be up to 20 characters long and the system supports up to 30 Groups. The settings for each Group are:

Enable
Makes you active in this group.

PTT
Enables Push-to-talk for this group. You can only have PTT enabled in (1) group at a time.

Stealth
Hides your User symbol, Marker data and communications from others users. You will still see everyone in the group along with their created symbols, geo-fences, and Whiteboards. CHAT and Messages will still be received as normal.

C2
Only the essential information is displayed. This includes symbols on the map and their attachments.

COL (Collaboration)
CHAT, TEXT & PHOTO Messages, and Whiteboards are displayed.

CMD
ORDERS can be received.

To Delete a Group, Tap the trash icon.
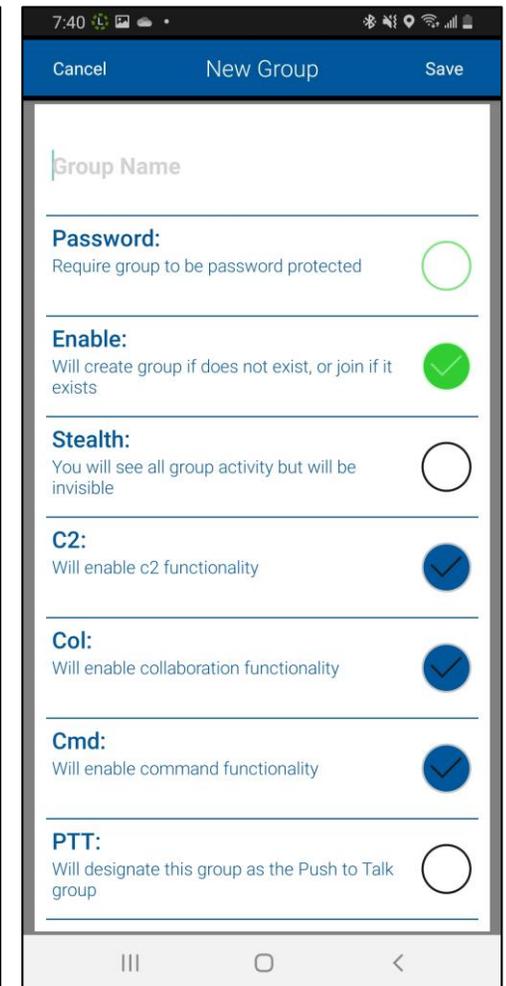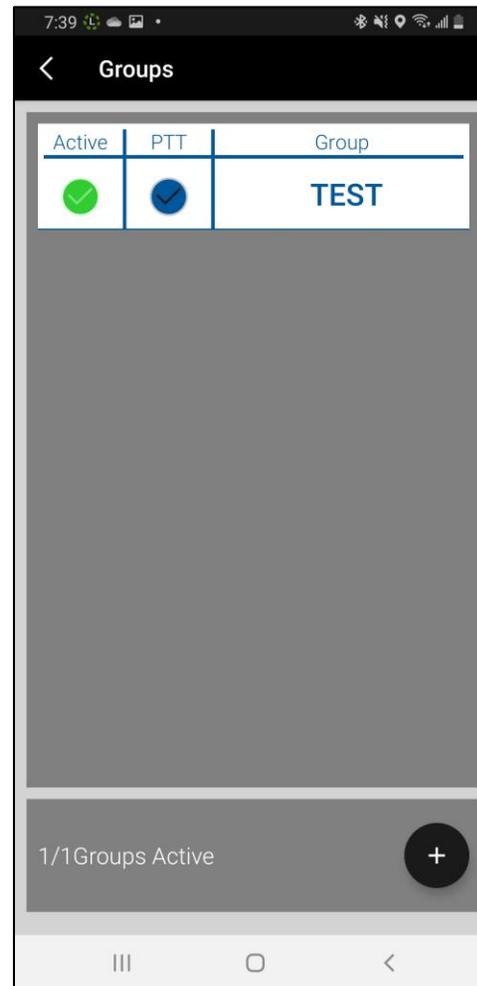
SECTION 22

PASSWORD PROTECTED GROUPS

To CREATE a Group with a Password, enter the Group name and tap the open Lock icon. You'll be prompted to enter a Password. Passwords can be up to 30 characters long.

Tap OK and the group will be created with the closed Lock icon
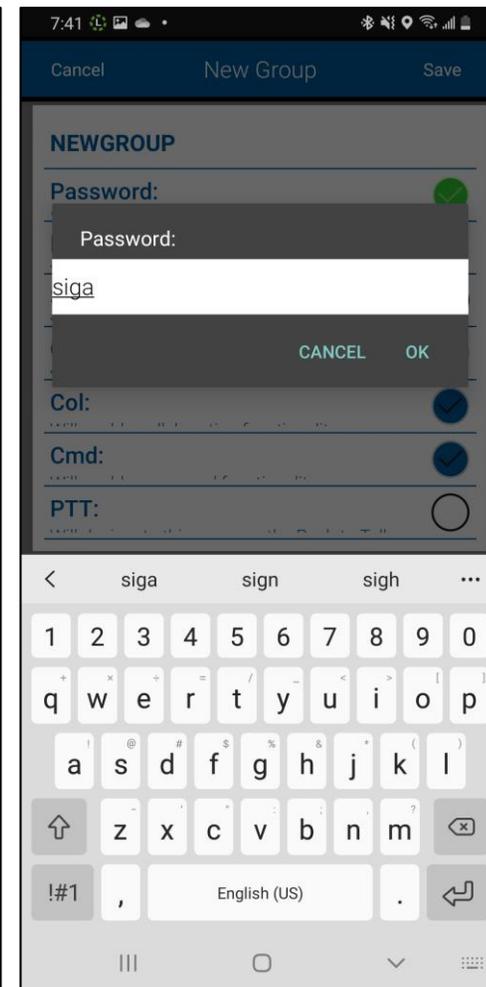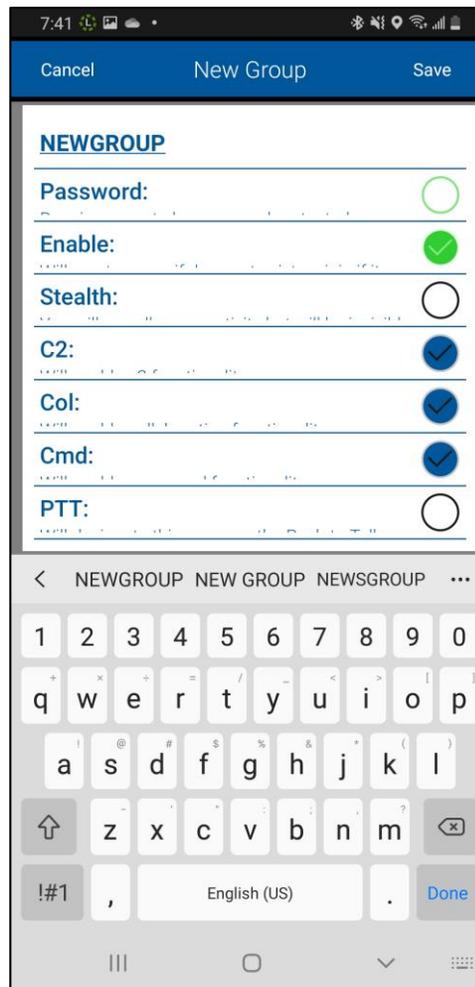
SECTION 22

PASSWORD PROTECTED GROUPS

To JOIN a Group with a Password, enter the Group name. If you tap Done, you'll see an alert that the group require a password. Tap the open Lock icon. You'll be prompted to enter a Password.

Tap OK and you will join the group with the closed Lock icon
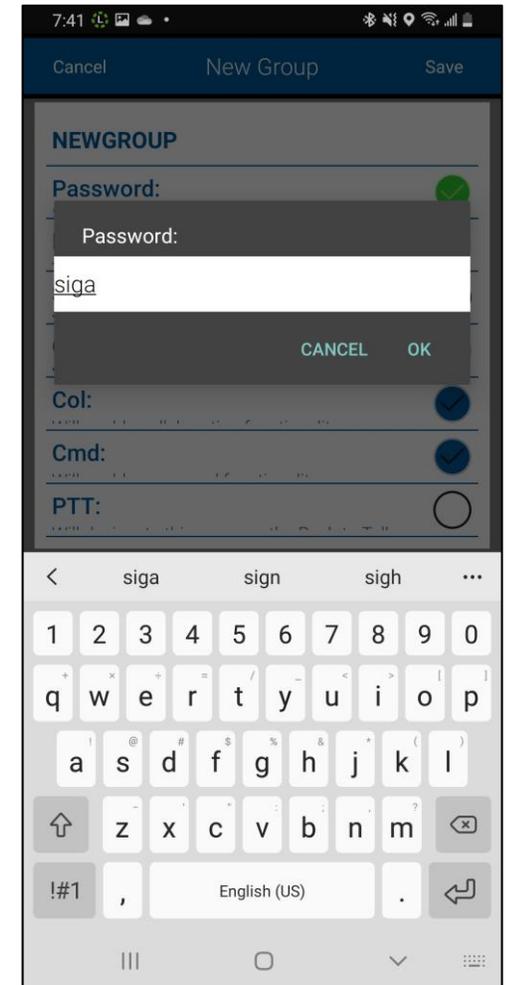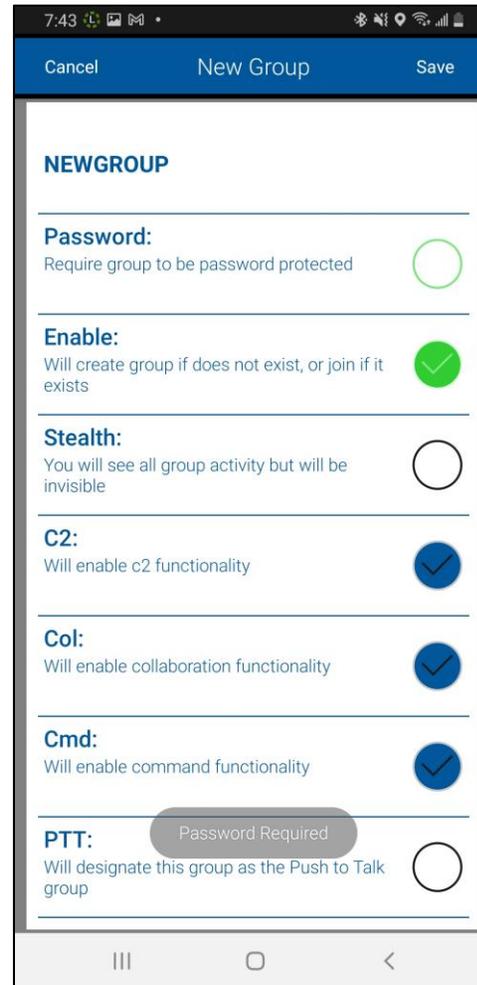
SECTION 23

WHITEBOARD

White Board (WHITEBOARD) allows LifeRing users to draw directly on the Main Map. The drawing is transmitted to the Main Maps of all users as an instant visual message. WHITEBOARDs are most often used for mission planning and force direction while in the field.

To open the WHITEBOARD Menu:
 - Tap the Main Menu button in the top left corner of the screen
 - Select WHITEBOARD

You will notice the Hot Keys have changed to White Board specific buttons.

Click the Tool hot key to select the shape you want to draw. Click the Color Pallet hot key to choose the color of the shape.
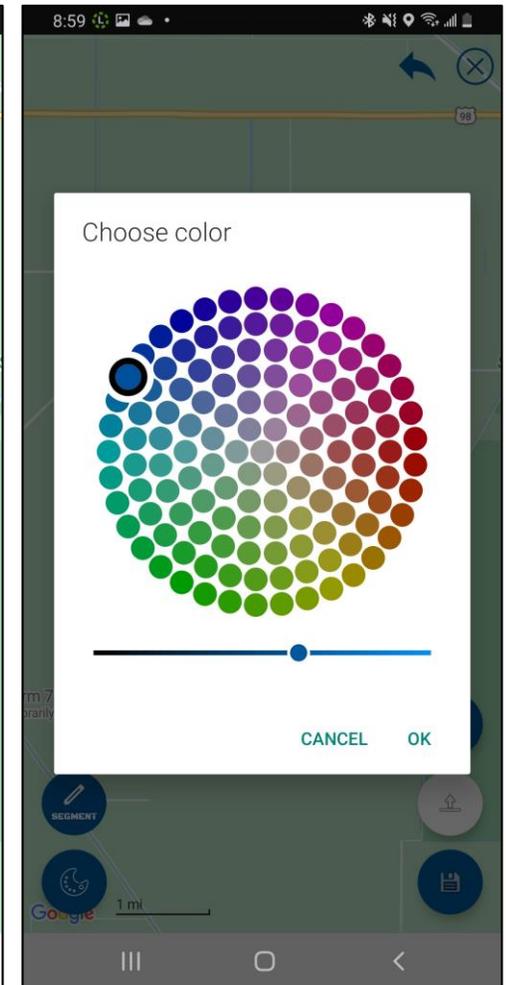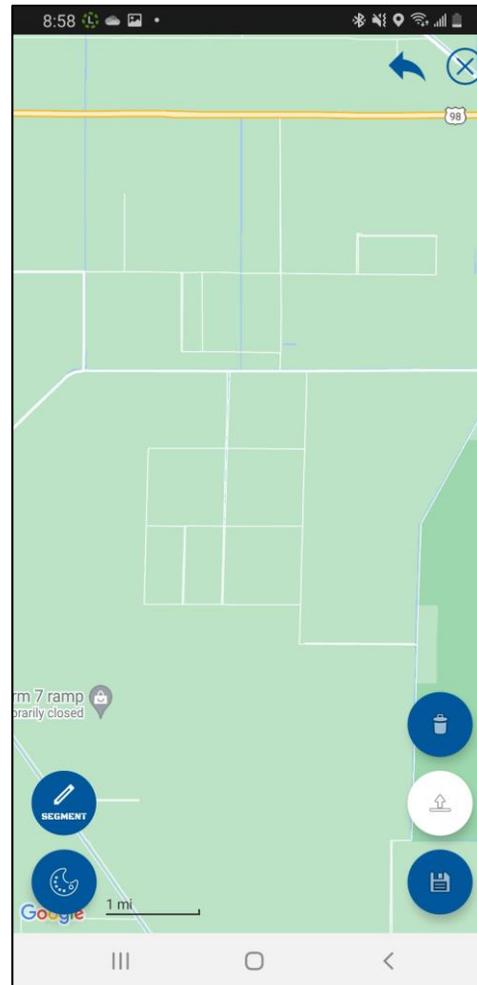
SECTION 23

WHITEBOARD

Choose on of the Shape options which include a Line, Segment, Circle and Square. A color palette will appear on screen allowing you to choose a color. Select OK when desired color is selected.

Once you have selected a drawing tool and color simply drag your finger along the map in the area you wish to mark.

To clear the Whiteboard tap the trash can icon.

To Save a WHITEBOARD, tap the SAVE button . Then choose a name and press OK. The WHITEBOARD will then be saved on your device.

To Exit Whiteboards tap the circled "x" in top right corner of map.

SECTION 23

WHITEBOARD

Choose on of the Shape options which include a Line, Segment, Circle and Square. A color palette will appear on screen allowing you to choose a color. Select OK when desired color is selected.

Once you have selected a drawing tool and color simply drag your finger along the map in the area you wish to mark.

To clear the Whiteboard tap the trash can icon.

To Save a WHITEBOARD, tap the SAVE button . Then choose a name and press OK. The WHITEBOARD will then be saved on your device.

To Exit Whiteboards tap the circled "x" in top right corner of map.
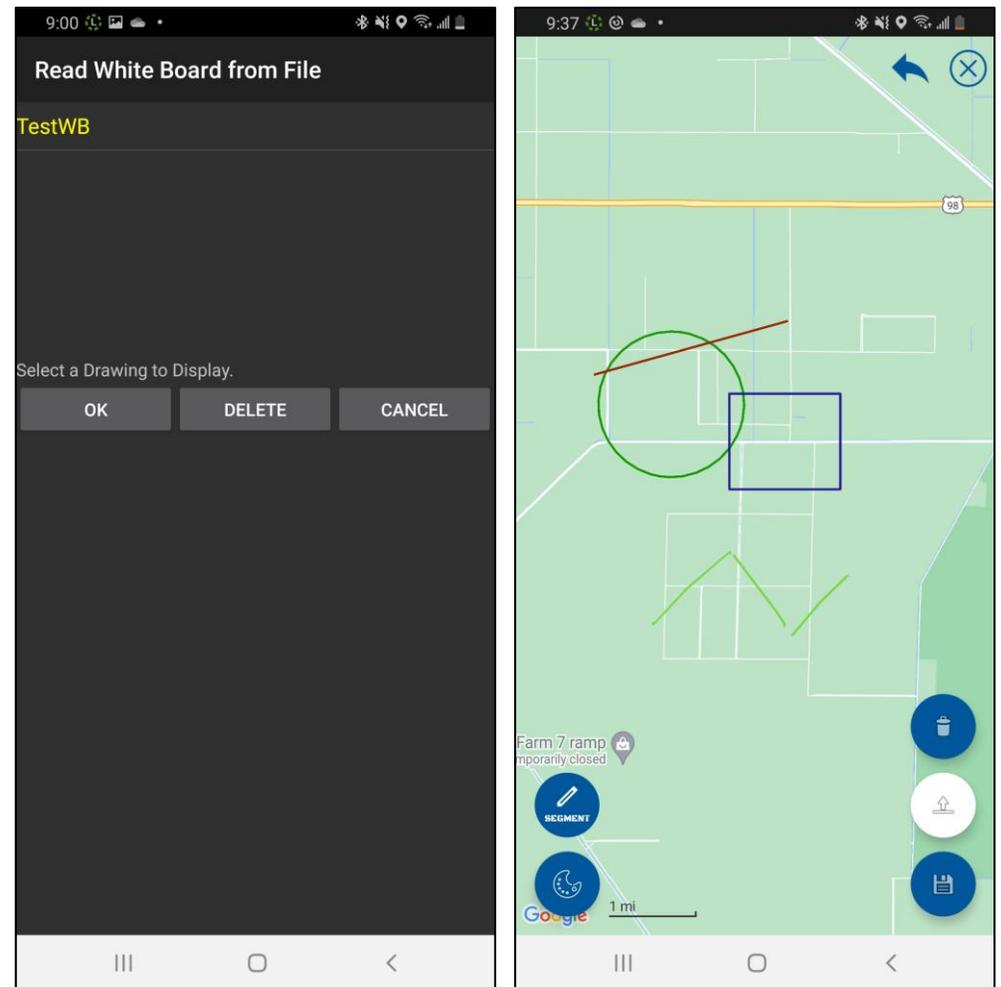
SECTION 24

REFRESH

The REFRESH option will force all other LifeRing devices to respond with their current location at that moment. All User Symbols will flash while the information is transmitting and will return to their original form when their position is confirmed. (Note: this may happen so quickly you do not see any flashing symbols.)

The Server status icon will go from Green to Yellow and back to Green
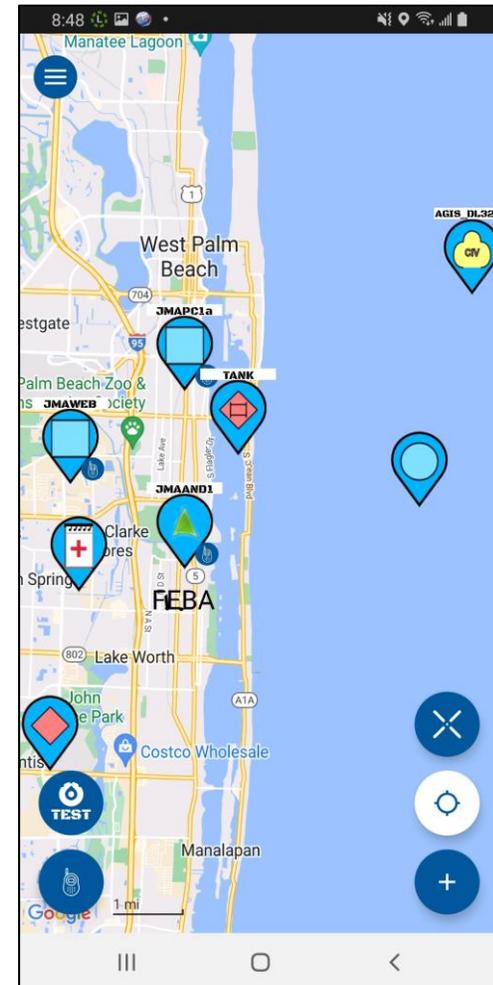
CACHE MAPS

Go to the area for which you would like to pre-cache the maps. This function only works for the Commercial, Satellite, and Military map types.

In the dialog, enter the zoom level to which you would like to pre-cache the maps. For this example, I am going to request maps through zoom level 12.

The MAP DOWNLOAD window will update as the map tiles are loaded. It will give a summary of which level is being processed, the progress for that zoom level, and a summary of overall progress.
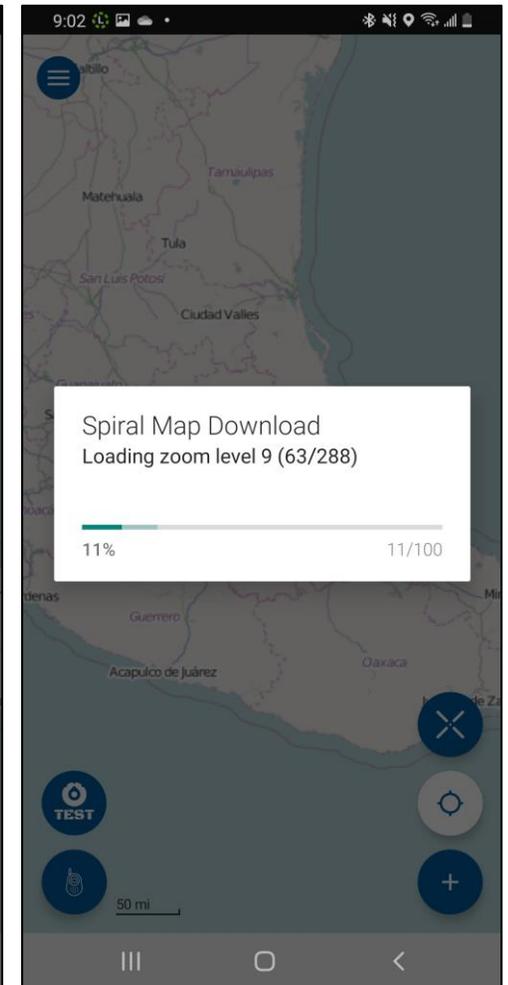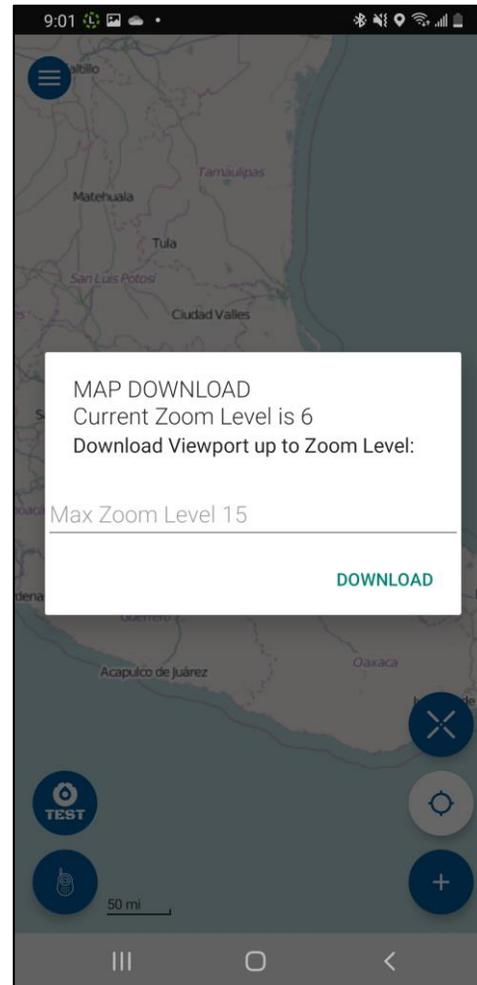
SECTION 26

ASSISTED GPS

Assisted GPS helps you triangulate your position when your device does not have access to GPS data or Location Services.

- Stand in one location and point the top of your phone at a stationary object (building, tree, etc...) in the near distance.
- Zoom and Pan your phone so that the object falls in directly on the WHITE vertical line on your phone screen.
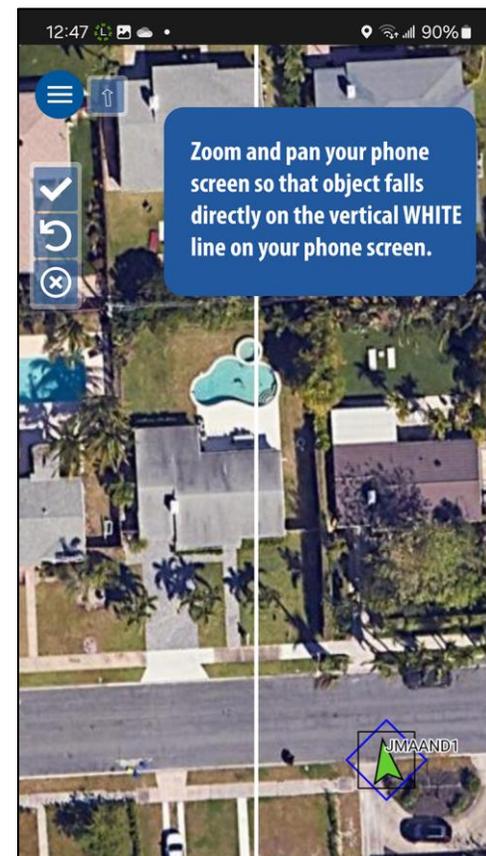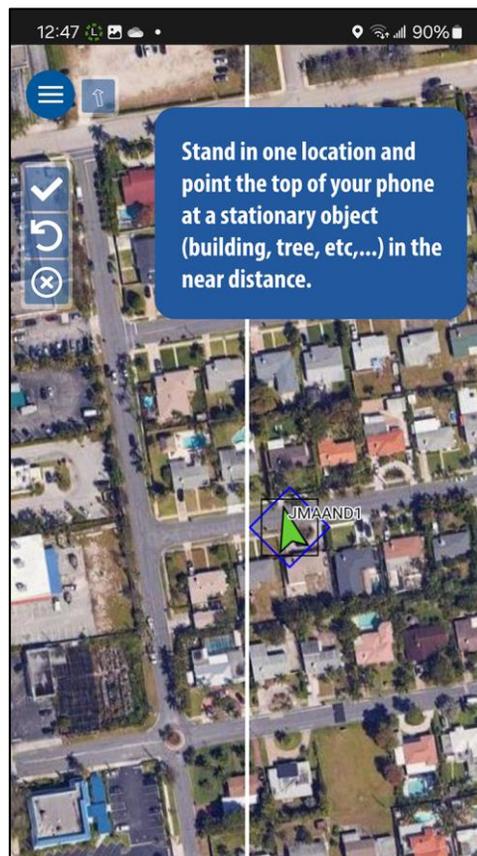
SECTION 26

ASSISTED GPS

- Tap the Checkmark icon
- Without moving location, point the top of your phone at a second stationary object in the near distance.
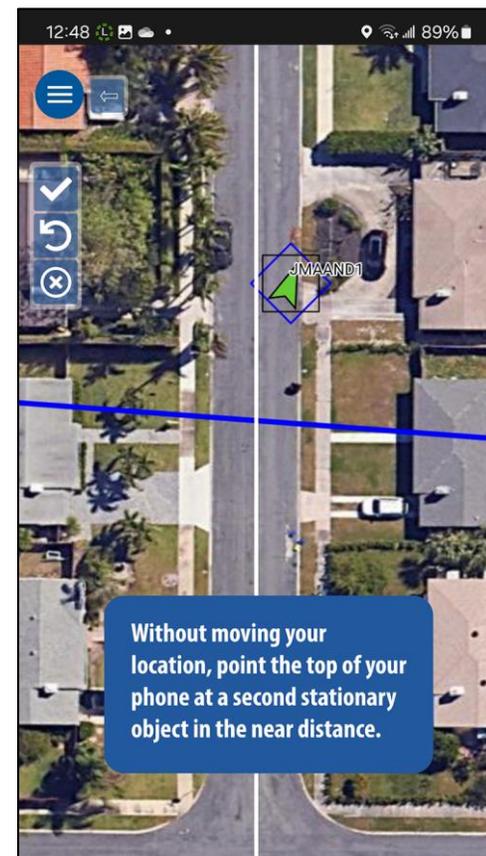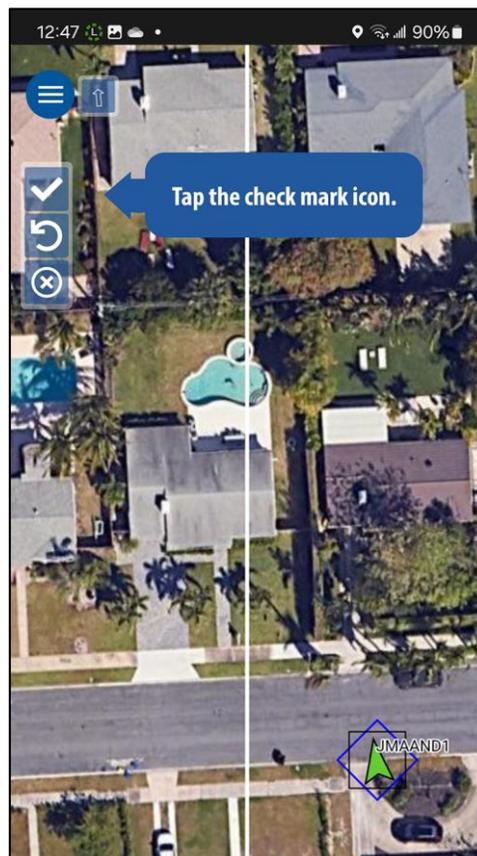
SECTION 26

ASSISTED GPS

Your original line remains and is now BLUE.

- Zoom and Pan your screen so that the second object falls directly on the vertical WHITE line on your phone screen.
- Tap the checkmark icon.
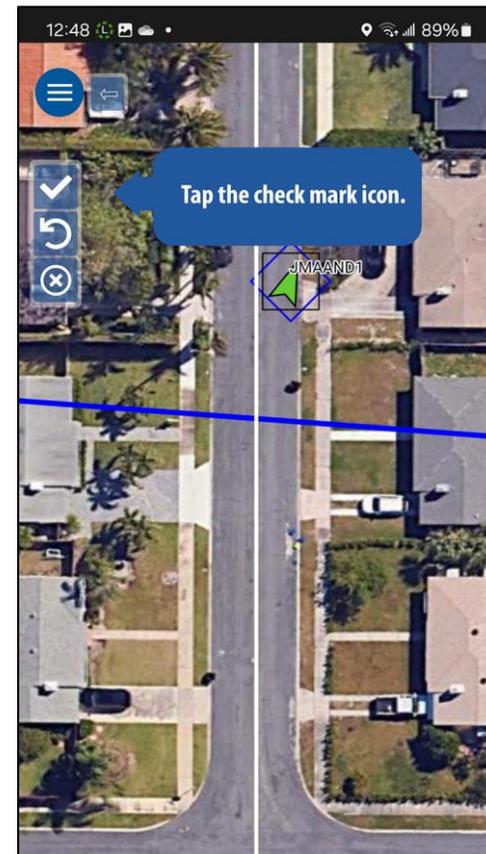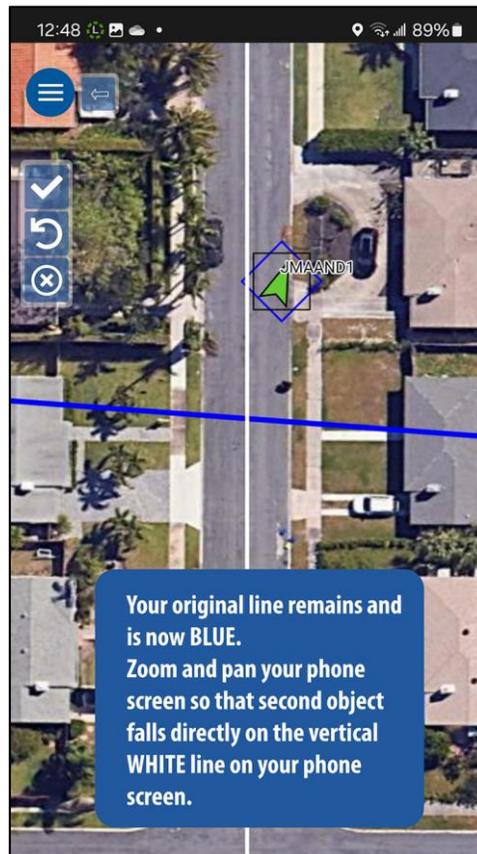
SECTION 26

ASSISTED GPS

Your original line remains and is now BLUE.

- Click the confirm button to triangulate your location.
- Tap the rewind icon to start over.
- Tap the X icon to exit Assisted GPS.
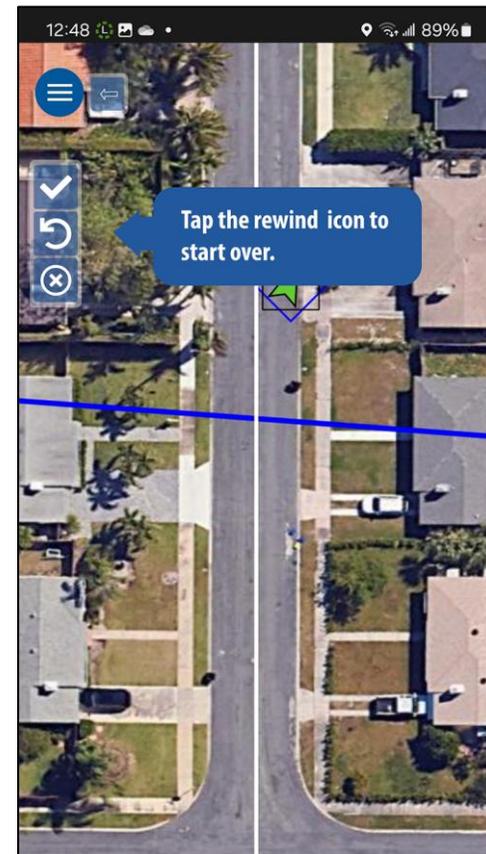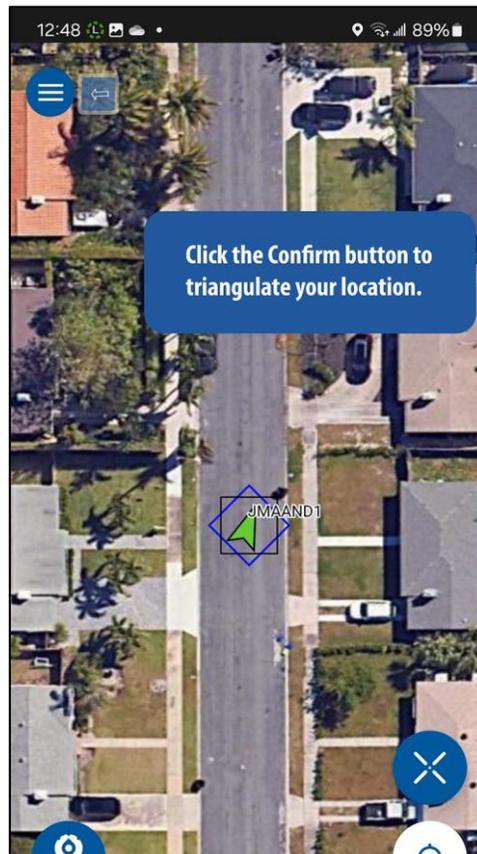
SECTION 27

SETTINGS

Network Settings allow you to manage your server connection.

System Settings allows you to manage your display name phone number.

Display Settings allows you to set preferences for various operations.
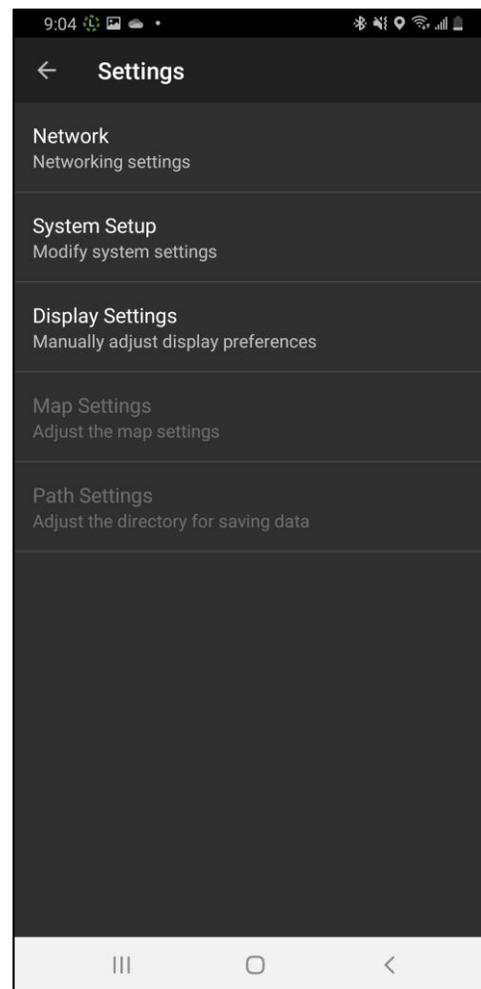
SECTION 27

NETWORK SETTINGS

Android LifeRing runs on the LifeRing client/server model. As long as the LifeRing application is connected to the LifeRing server.

Server Select allows you to select the server from a drop down menu.

LifeRing has the ability to connect to an up a backup server in the case that something happens to cause the main server to go down. If something happens to the server, all clients will automatically reconnect to the backup server.

Tap the Secondary Server Select and enter a server address.

Server Settings allows you to manually enter the Server information or change to UDP Broadcast
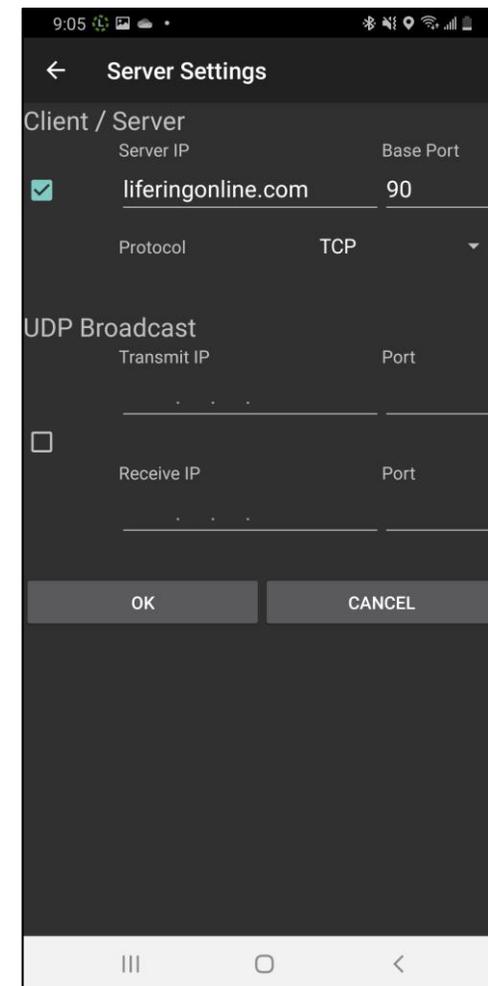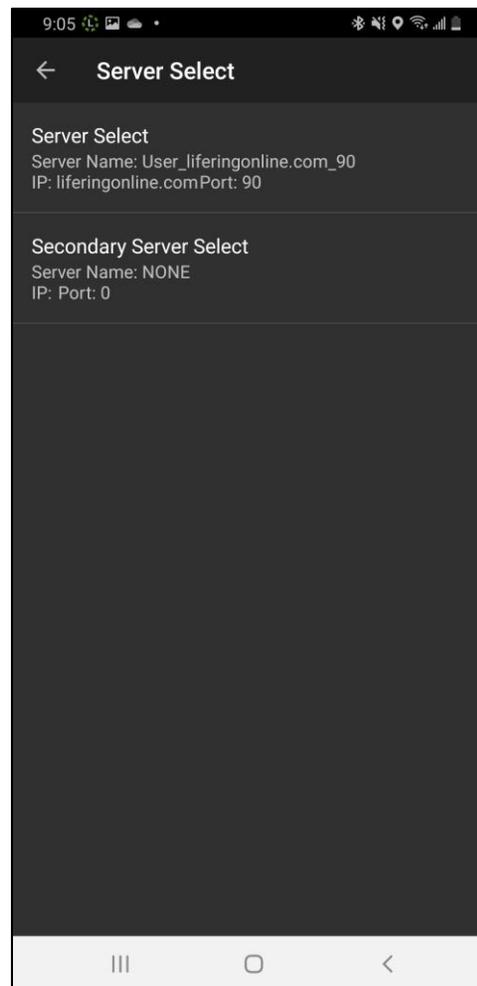
SECTION 27

NETWORK SETTINGS

It is from the menu that the user can configure the Android to use UDP. Note that the server also needs to be set up to enable UDP. Please see the LifeRing Administrator's Manual for more information on setting up the server.

To use UDP Broadcast
Uncheck the Client/Server Check box and Check the UDP Broadcast Check Box
Enter the desired Transmit and Receive Broadcast IP and Ports e.g.
Receive IP: 255.255.255.255   Port: 5500
Transmit IP: 255.255.255.255   Port: 5500
Press OK

Note: UDP Broadcast may be used in conjunction with the LifeRing Server. This allows Client/Server Users to share the Common Operational Picture with UDP Peer to Peer Users. To set up the LifeRing Server to bridge these two types of clients, please refer to the LifeRing Server Installation Manual
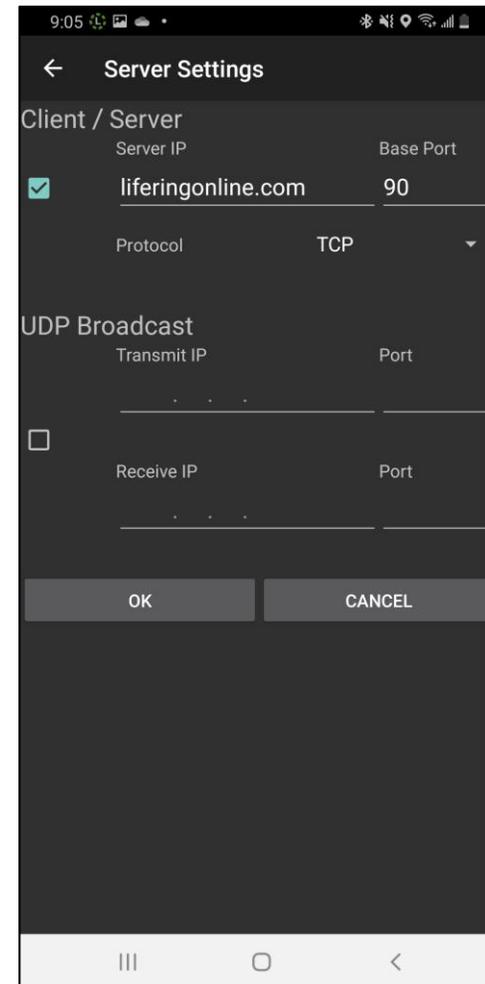
SECTION 27

NETWORK SETTINGS

Android LifeRing runs on the LifeRing client/server model. As long as the LifeRing application is connected to the LifeRing server, the user can receive all updates from the server and keep the Common Operational Picture intact.

Tap the Server IP address or the Server Port to display a cursor allowing you to make changes.
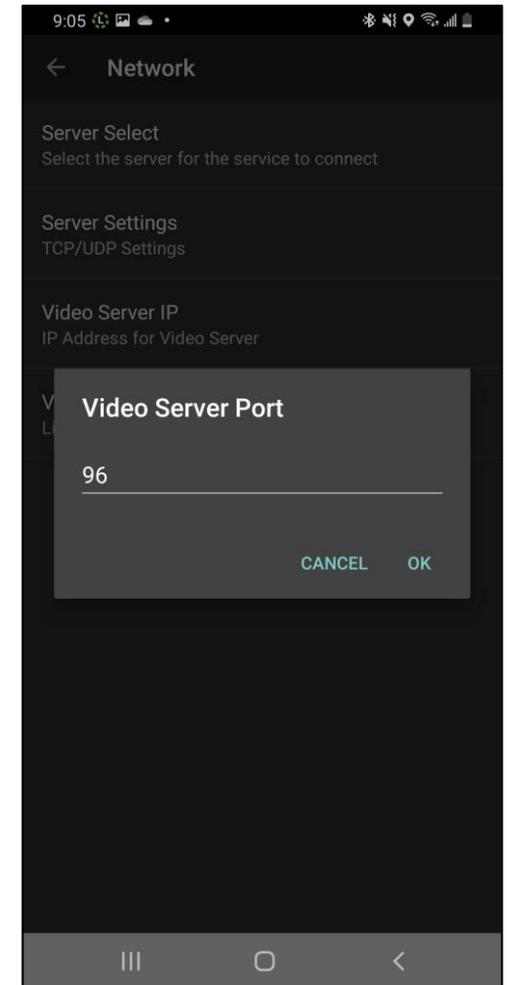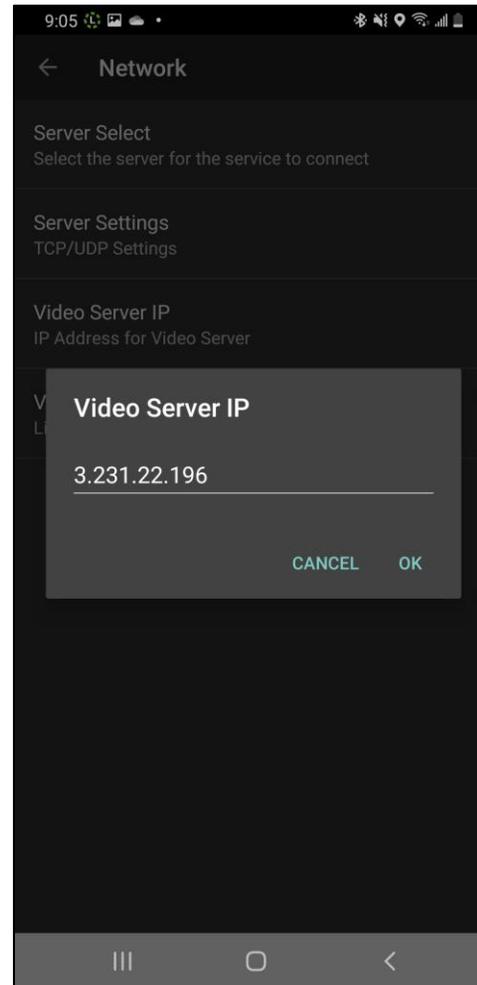
SECTION 27

SYSTEM SETUP

Under this menu you will be able to Change the name that appears with your symbol under the "Handset Name" tab. This is also where you can change the distance around yourself that you view other LifeRing users (This can be set so that users at a great distance do not appear on your system.)

USE THRID PARTY VIDEO

CONNECTED TO RADIO
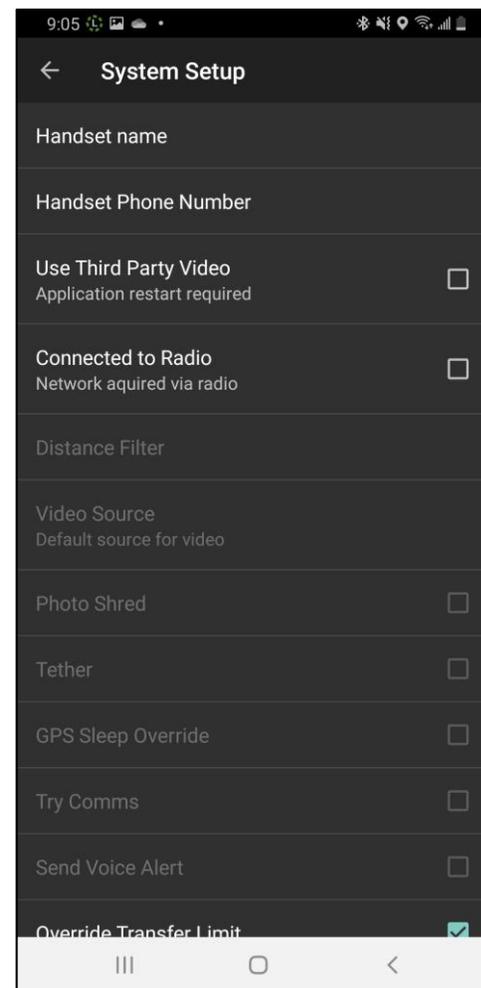
SECTION 27

DISPLAY SETTINGS

This area allows you to manage your Display Settings.

Marker Cluster
- On
- Off (default)

Symbol Size (0-10)

Symbol Set
- MILSTAND 2525
- NTDS

Track Label
- On
- Off

Track Label Options
- None
- Track Number Only
- Track Name Only
- DL Track Number Only
- Best Fit

Label Size (0-10)

Track Limit
0 – 4000

Coordinates System:
- Lat/Lon DEG
- Lat/Lon DMS
- UTM
- MGRS

Orientation:
- North Up
- Compass Map North
- Compass Map Rotate
- Heading Up

White Compass Overlay
- On
- Off

Enable 3D Maps

Screen Lock

Units:
- Nautical Miles
- Kilometers
- Statue Miles

Update Time:
- 30 secs
- 60 secs
- 5 mins
- 10 mins
- Manual

Update Distance:
- 0 Miles
- Half Mile
- 1 Mile
- 2 Mile

Time:
- Zulu
- Local
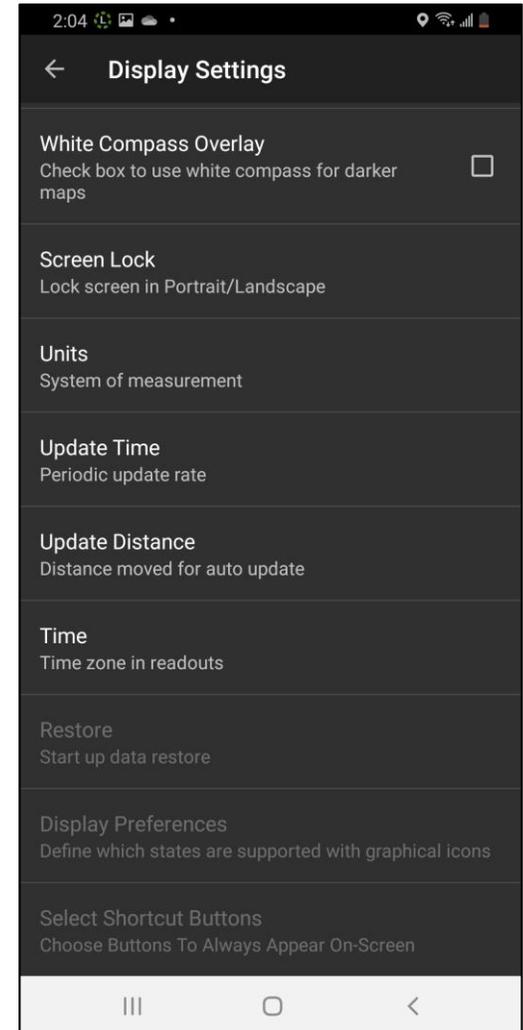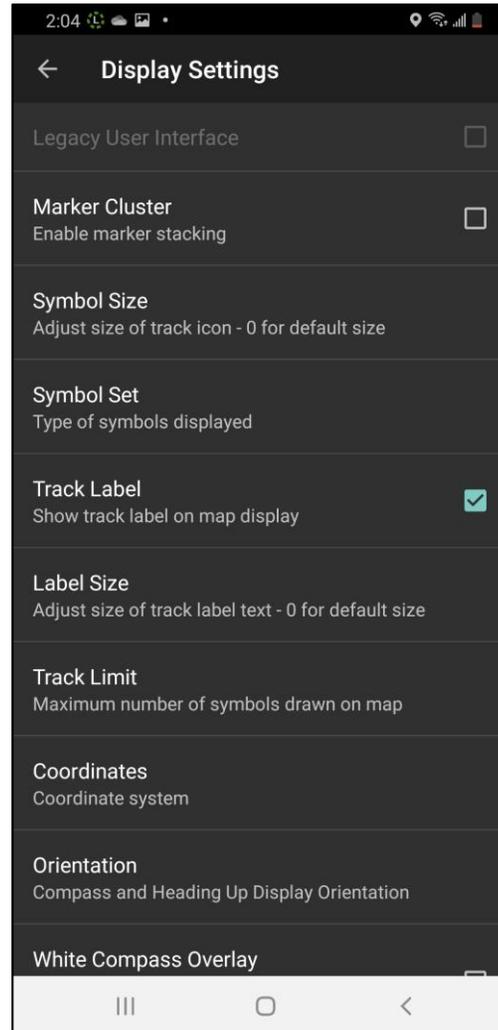
SECTION 28

DISPLAY SETTINGS – Manual Mode

Steps for using manual Mode.

Update Time:
- 30 secs
- 60 secs
- 5 mins
- 10 mins
- Manual

Setting he update time to manual means that your device will not report its position to the LifeRing server until manually prompted.

Manual Mode alone will not protect your device from RF (Radio Frequency) targeting. Once you select Manual Mode, we prompt you to also put your device in Airplane Mode.

- Click YES
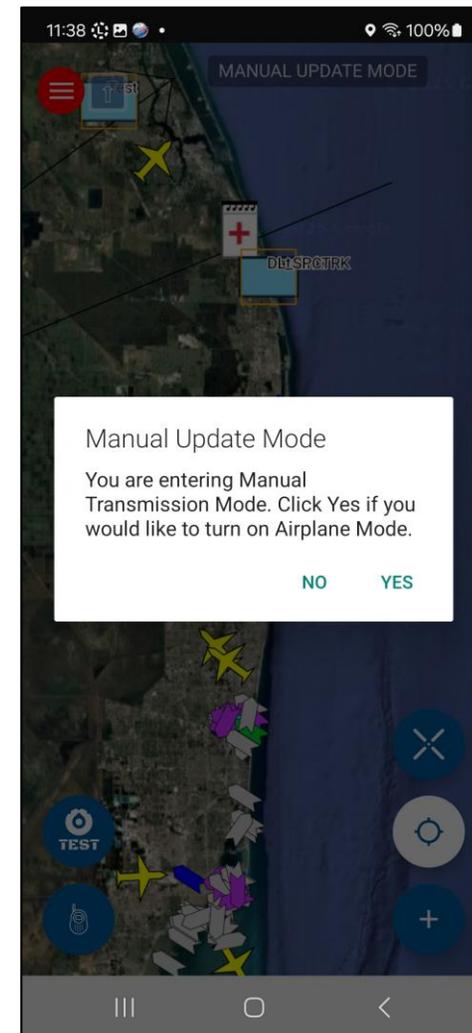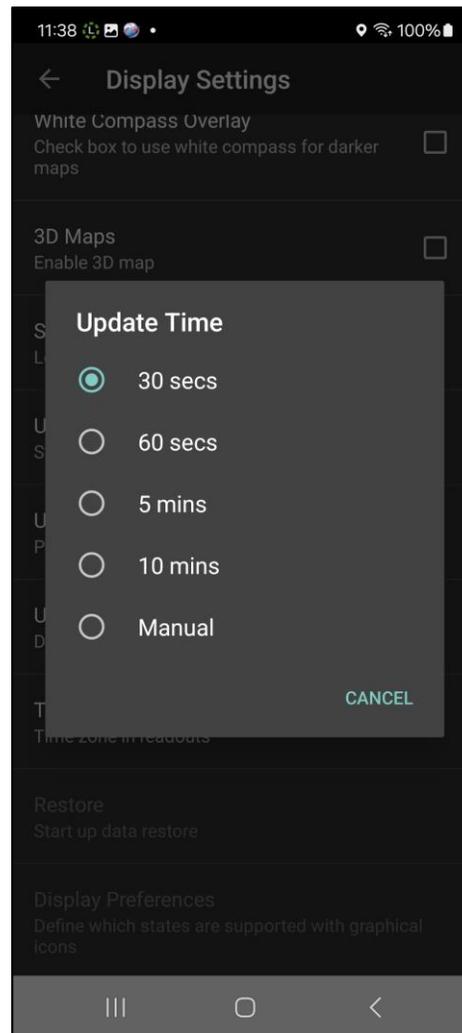
SECTION 28

DISPLAY SETTINGS – Manual Mode

Steps for using manual Mode.

- Turn Airplane Mode ON
- Use the Back Arrow at the bottom of the device screen

Note that the Server Status indicator on the Main Menu Button is now red showing that you are not connected to the server. You will also see a MANUAL UPDATE MODE label at the top of the screen.
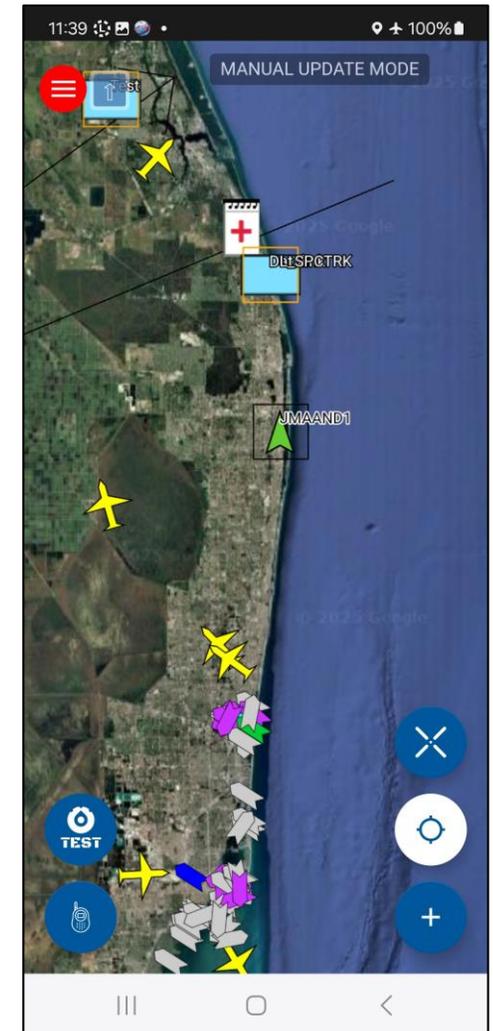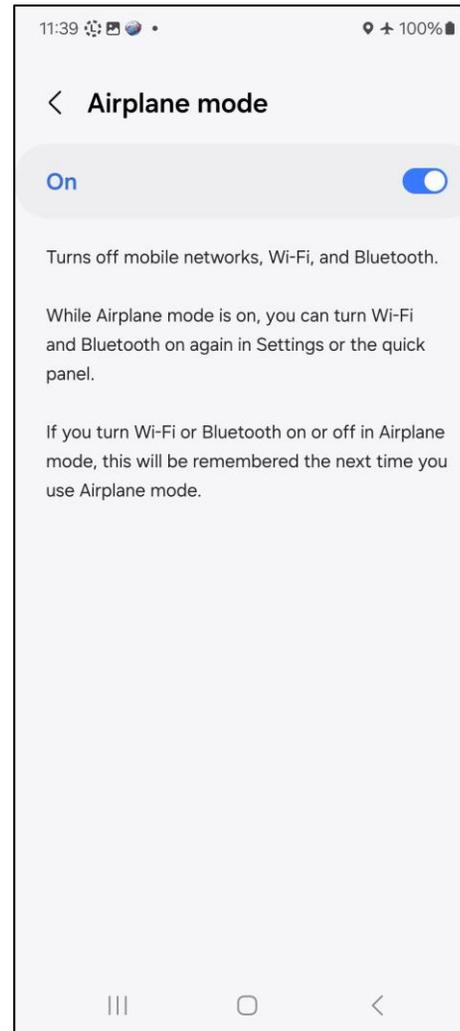
SECTION 28

DISPLAY SETTINGS – Manual Mode

Steps for using manual Mode.

To manually transmit and receive from the server:

- Go the the Main Menu
- Tap the Refresh button

You will be prompted to Turn Off Airplane Mode to send/receive data from the server.

- Click YES
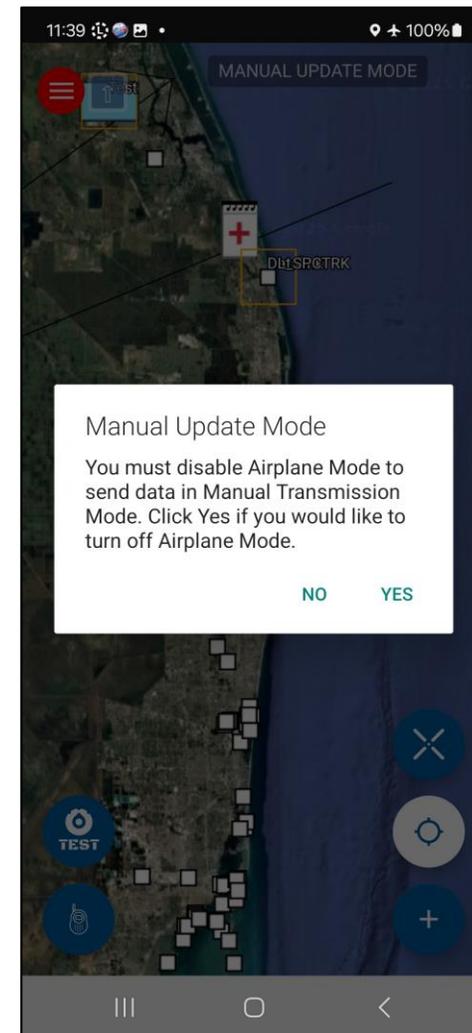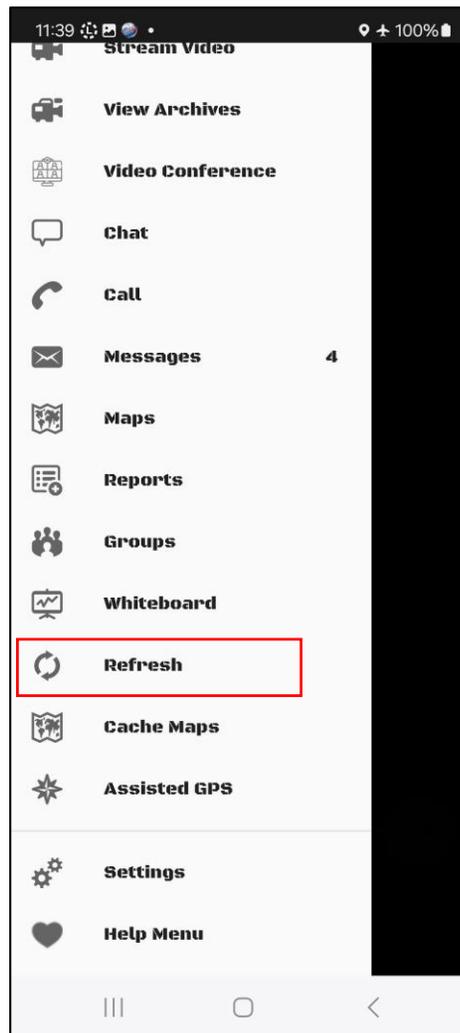
SECTION 28

DISPLAY SETTINGS – Manual Mode

Steps for using manual Mode.

Note that the Server Status indicator on the Main Menu Button is now BLUE showing that you are connected to the server.

Once any/all data has been sent/received from the server, you will be automatically disconnected again from the LifeRing server.

You will be prompted again to turn on Airplane Mode.
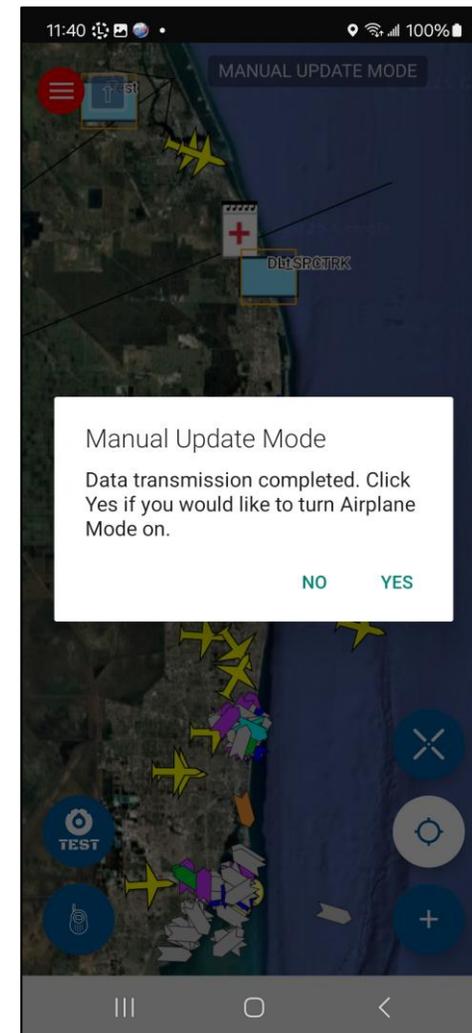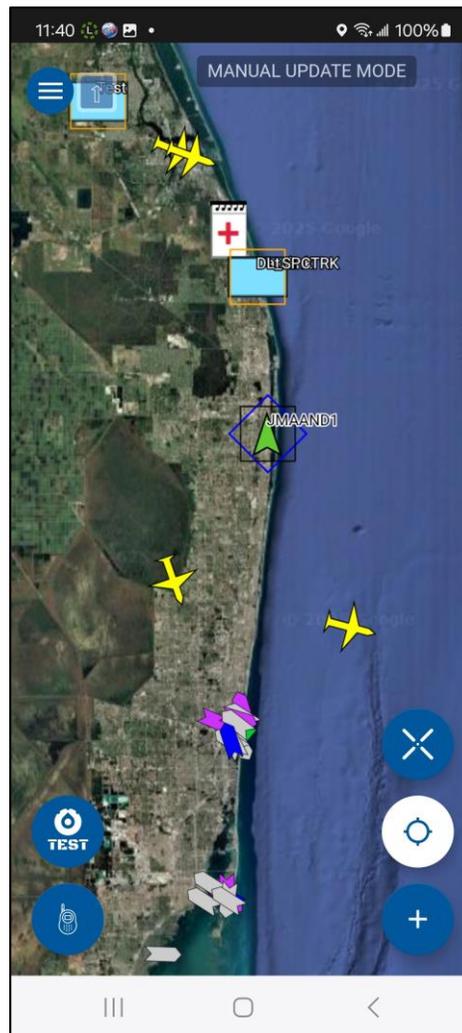
SECTION 28

DISPLAY SETTINGS – Manual Mode

Steps for using manual Mode.

To turn off Manual Mode:

- Open Settings > Display Settings
- Click on Update Time
- Choose one of the other Update Time increments

Note that the Server Status indicator on the Main Menu Button is now BLUE showing that you are connected to the server.
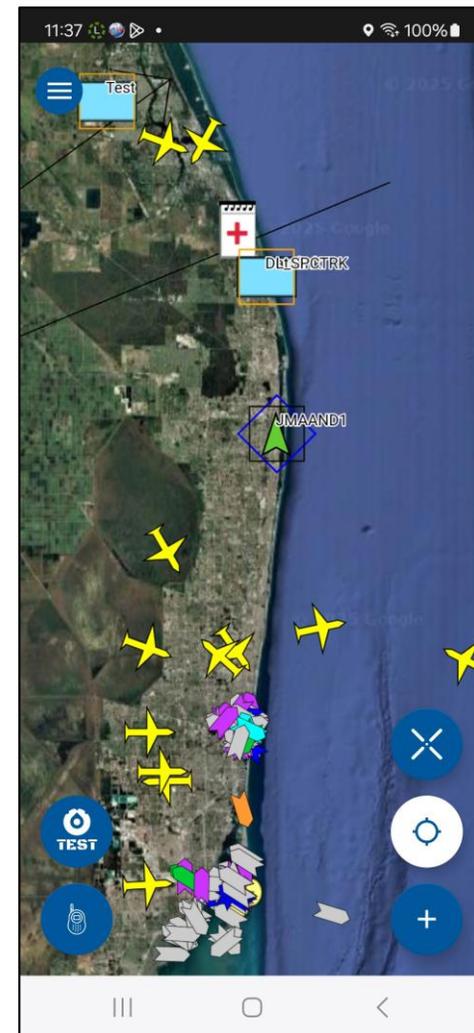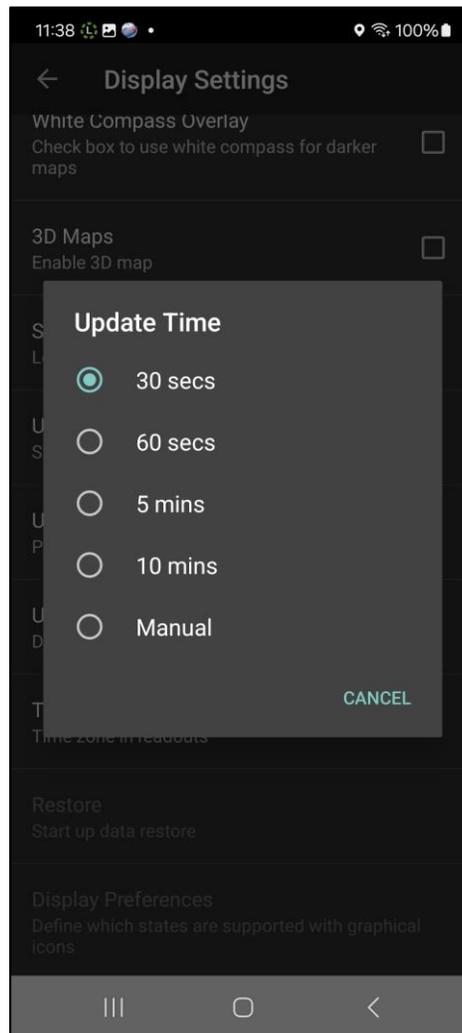
SECTION 29

DISPLAY SETTINGS

Marker Cluster

This feature turns off the stacked symbols that show the number of symbols present in and area and simply shows you all the individual symbols across the map.
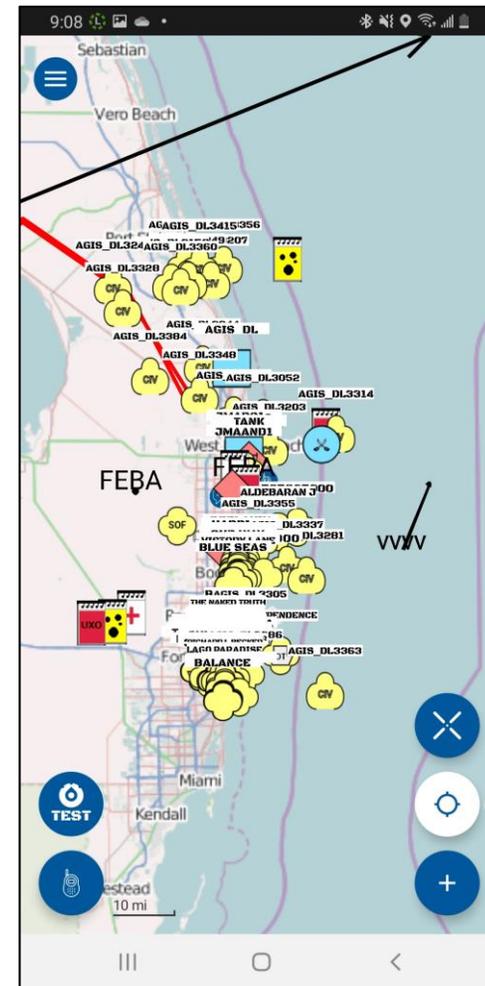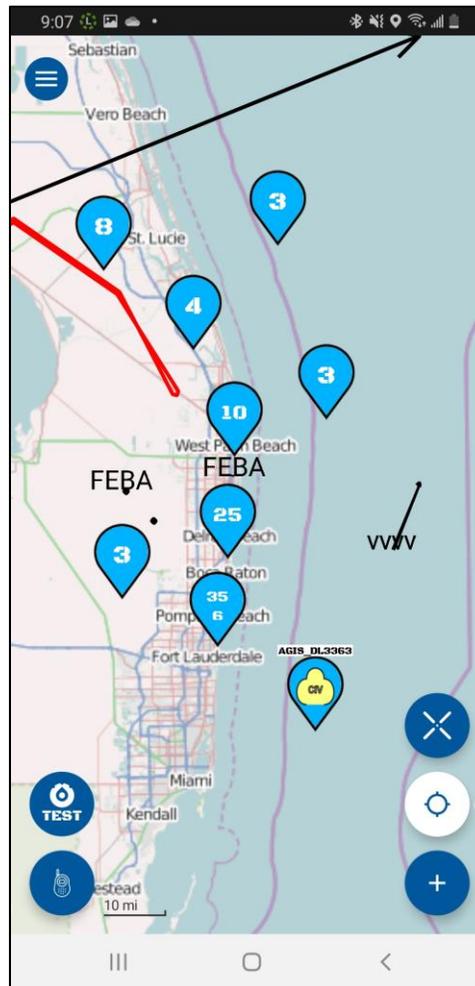
SECTION 30

ORIENTATION SETTINGS

Different Orientation and compass options.
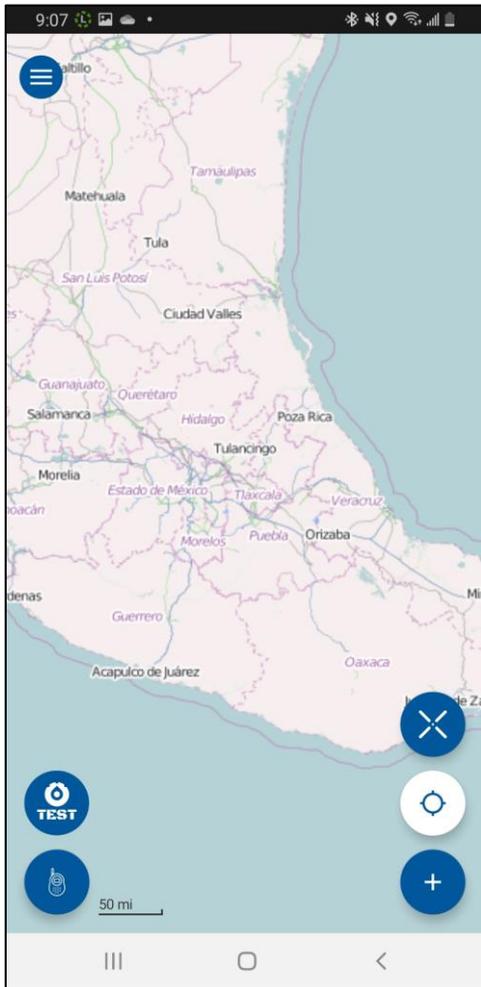
North Up
(No compass)
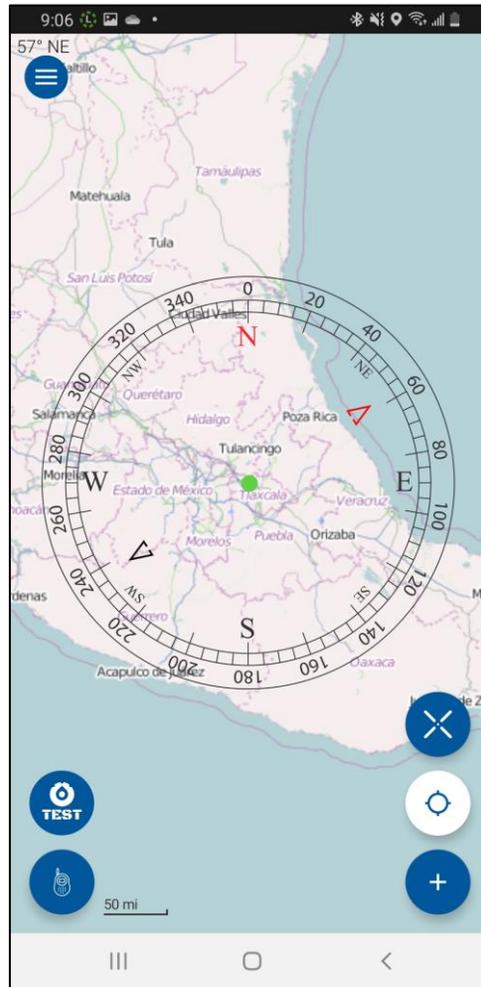
Compass Map North
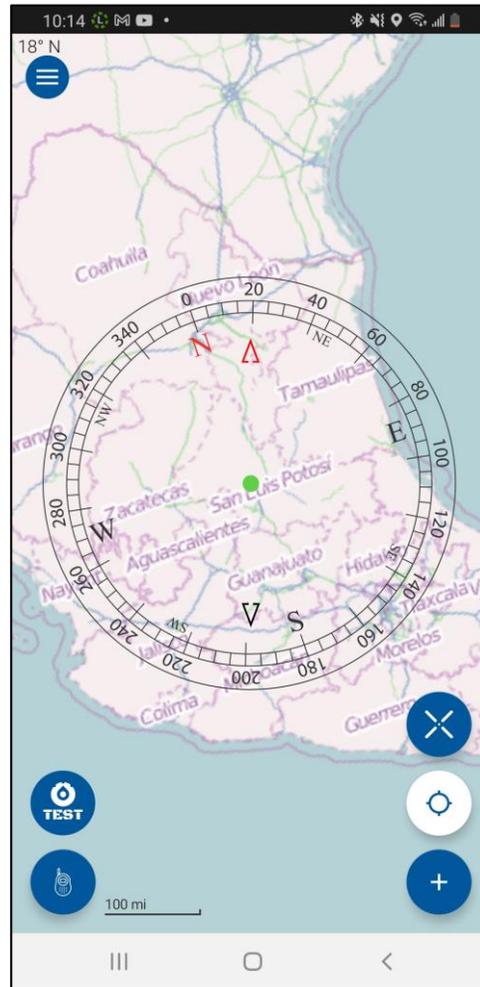
Compass Map Rotate
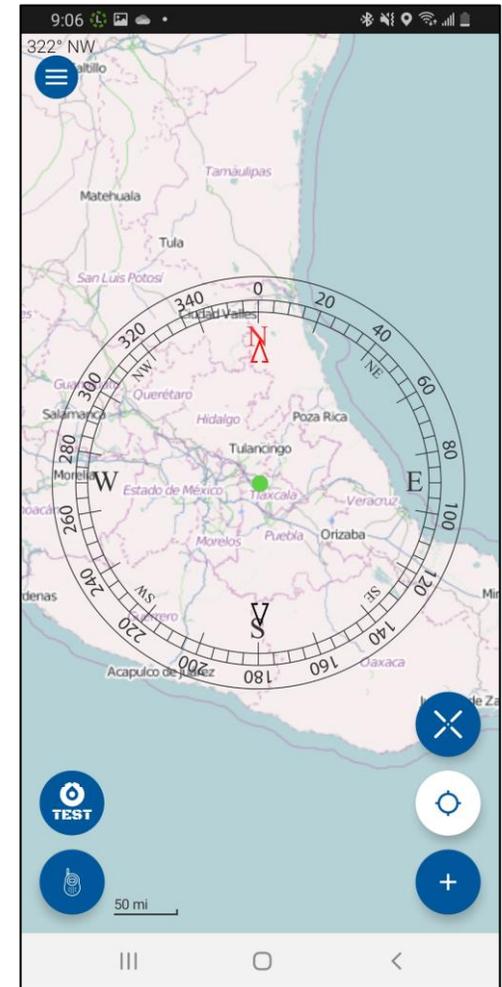
Heading Up

SECTION 30

DISPLAY SETTINGS

White Compass Overlay

For satellite maps or any dark maps, you can display a white compass overlay for better visibility.
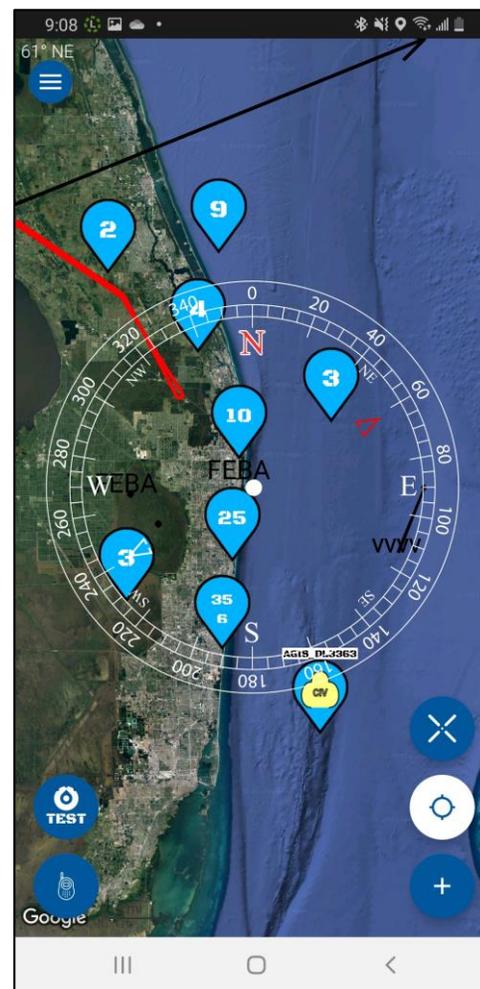
SECTION 31

HELP AND FEEDBACK

Feedback from the people who use LifeRing has helped us redesign our software, improve our products and fix technical problems. We really appreciate you taking the time to share your thoughts and suggestions with us. Email us at support@agisinc.com to provide any feedback or report any issues you may be having with LifeRing.

For more support, visit our web site at www.agisinc.com
or contact AGIS support at support@agisinc.com

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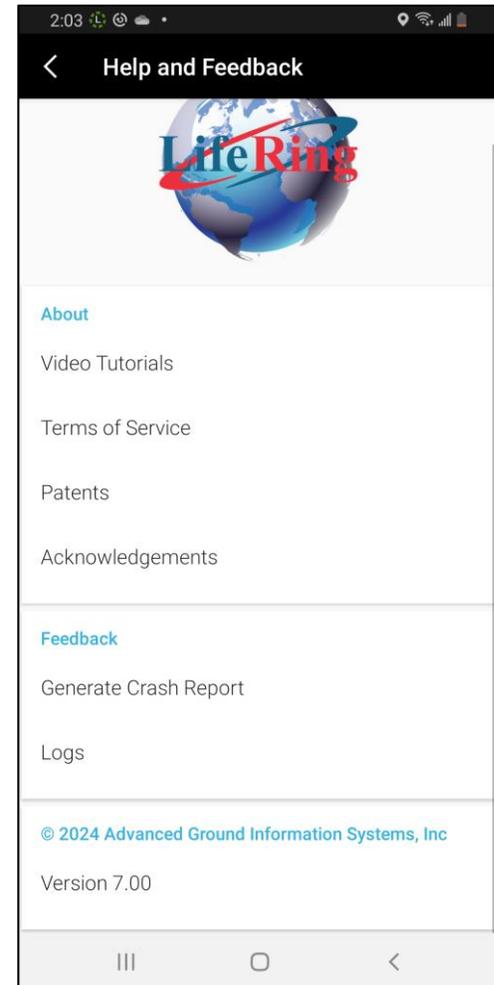
SECTION 31

HELP AND FEEDBACK

Video Tutorials

We have provided a brief tutorial to walk you through the operation of each function.

Tap the title of the tutorial you want to view. It will automatically open a player with that video.
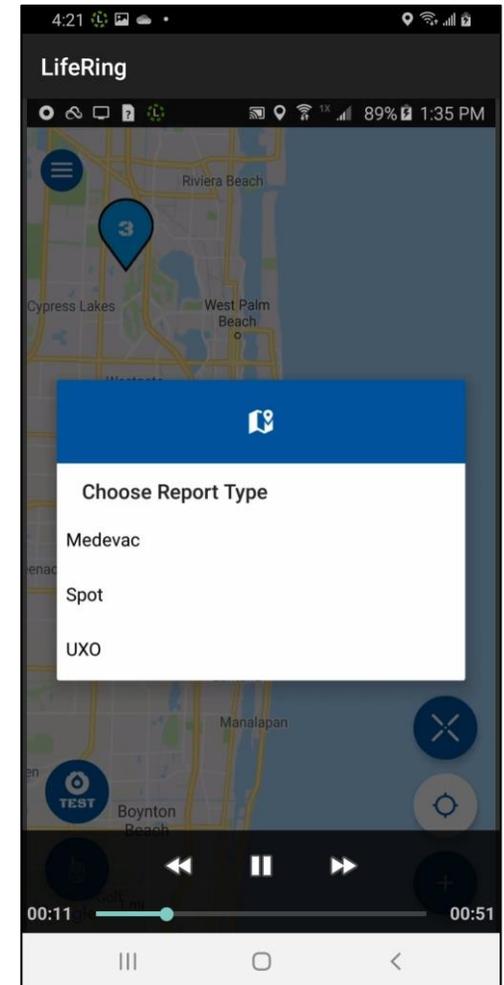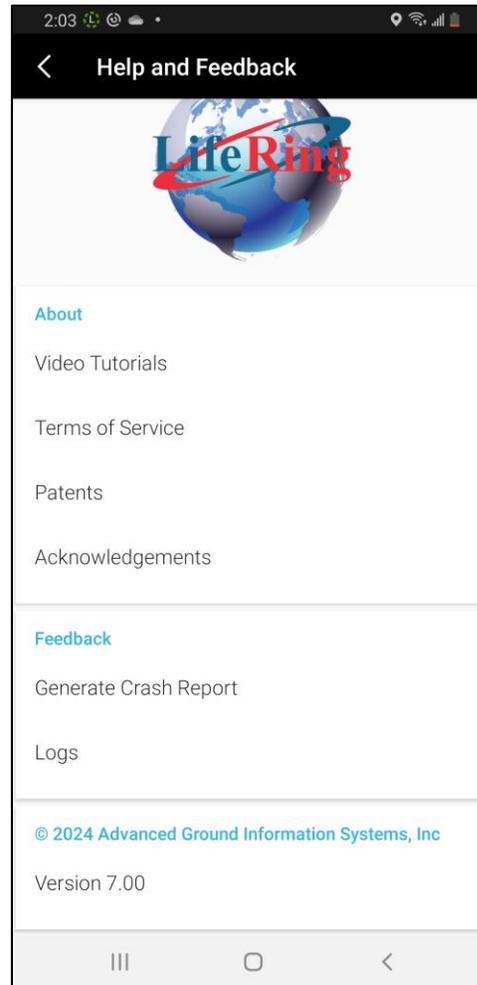
SECTION 31

HELP AND FEEDBACK

Generate Crash Support

If you have any issues while using LifeRing for example LifeRing crashes, when you sign back in you can Generate Crash Report for the LifeRing support team.

Navigate to the zip file on your device. Press and hold the file name and tap the Share button.

Send it via email to support@agisinc.com with as much information as you can as to what you were doing up until the system crashed.
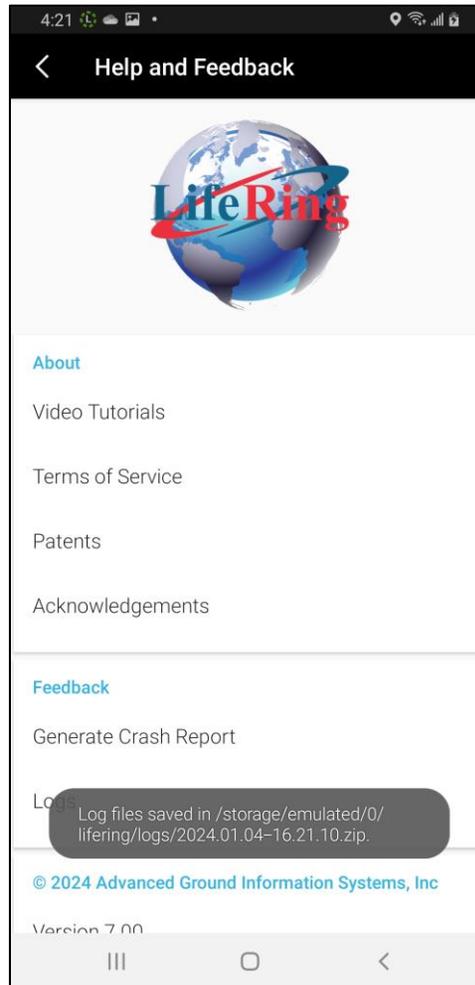
SECTION 32

EULA
LIFERING END-USER LICENSE AGREEMENT

PLEASE READ THIS AGREEMENT CAREFULLY. BY DOWNLOADING AND/OR USING THE LIFERING SOFTWARE AND SERVICES, YOU AGREE TO BE BOUND BY THIS AGREEMENT IN ITS ENTIRETY. IF YOU DO NOT WISH TO BE BOUND BY THIS AGREEMENT, YOU MAY NOT USE THE LIFERING SOFTWARE OR SERVICES. PLEASE NOTE THAT THIS AGREEMENT INCLUDES A PROVISION THAT REQUIRES ARBITRATION IN THE STATE OF FLORIDA ON AN INDIVIDUAL BASIS TO RESOLVE ANY DISPUTES ARISING HEREUNDER OR OTHERWISE RELATING TO YOUR USE OF LIFERING, IN LIEU OF LITIGATION.

This End-User License Agreement (the `Agreement`) is a legal agreement between you (either as an individual user or on behalf of a single entity) (`Licensee`) and AGIS, Inc. (`AGIS`) governing the use of AGIS`s LifeRing software and services (collectively, `LifeRing`). By downloading, installing, copying, or otherwise using LifeRing, you represent that you have read the terms of this Agreement and agree to be bound by them.
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2. LICENSE CONDITIONS: Your license to use LifeRing is subject to the following conditions:
Use of LifeRing. LifeRing may not be used in any way not expressly permitted by this Agreement. You may not resell or create derivative works from LifeRing, integrate it in whole or in part with other software, offer it for rent or lease or otherwise sell, license, or exploit for any commercial purposes any use of or access to LifeRing without AGIS`s prior written consent. Only AGIS shall have the right to alter, maintain, enhance or otherwise modify LifeRing. Please contact AGIS if you would like to set up a private LifeRing network.
You may not reverse-engineer, adapt, modify, translate, disassemble or decompile LifeRing in any manner, or scrape, harvest, mine or otherwise systematically collect information from LifeRing, or the servers or networks that host LifeRing (collectively, for the purpose of this section, `LifeRing`) or its users by means of automatic or manual processes, including but not limited to use of robots, spiders or other methods of indexing or data-mining to create a database. You agree not to interfere with or disrupt the operation of LifeRing or transmit any worm, virus, Trojan Horse, or any other computer code that is intended to interfere with the proper working of LifeRing or damage or interfere with the operation of any hardware, software or telecommunications equipment belonging to any person or entity, including but not limited to the devices of LifeRing`s users. You also agree not to use LifeRing for any illegal, immoral or unauthorized purpose, or to transmit data that is pornographic or sexually explicit, or transmit unauthorized personal information or information that creates an undue risk to a person`s safety, security or health, including copying or using personally identifying information of other users without their express permission, or to transmit information that encourages conduct that might be considered a criminal offense, or which may give rise to civil liability or other lawsuit or infringes on the proprietary rights of others. You must not remove or alter any patent or copyright notices incorporated in LifeRing.

SECTION 32

Technical Support. LifeRing is provided without technical support or any other support services (`Support Services`). If, notwithstanding the foregoing, if AGIS is contracted to provide you with Support Services, any supplemental software code provided to you as part of the Support Services shall be subject to the terms and conditions of this Agreement.

User Content. LifeRing allows its users to submit and post information and content to other users and to AGIS (`Submissions`). You assume sole responsibility for your Submissions and for the consequences of posting them. By providing us with Submissions, you represent and warrant that you own all intellectual property rights thereto, and you grant AGIS an irrevocable, worldwide, perpetual, non-exclusive, royalty-free, sub-license license to use, copy, distribute, and prepare derivative works. You hereby release AGIS from any liability related to the or from retention, deletion, disclosure and any other use or loss of your Submissions. You additionally agree and acknowledge that information submitted by others may not reflect AGIS`s views and that AGIS does not guarantee the validity of information posted on or available via LifeRing by other users.

Compliance with Applicable Laws. You agree to comply with all applicable laws during your use, or regarding the use of LifeRing.

Driving. LifeRing is not intended to be used and should not be used while the user is driving or otherwise operating a vehicle, and you are expressly prohibited from doing so. You may only use LifeRing in a manner that does not distract or disturb the operator of a vehicle or interfere with safe and vigilant driving practices. LifeRing provides the ability to view maps and enter road and other information; however, these features are not intended to replace official traffic signals, road signs, police officer directions, or other official instructions and may not be current or updated to reflect real-time conditions. You agree and acknowledge that you assume full, exclusive and sole responsibility for your use of LifeRing, and that the use of LifeRing is entirely at your own risk. You acknowledge that you must observe all traffic laws while using LifeRing.

 Location Information and Maps. LifeRing obtains user`s location information from their device`s GPS or via manual entry. Such information may, from time to time, be inaccurate, incomplete, unavailable, or outdated. LifeRing utilizes OpenStreetsMaps for many of its mapping functions. OpenStreetMap is open data, licensed under the Open Data Commons Open Database License (ODbL). See www.openstreetmap.org/copyright. AGIS does not provide any warranties to accuracy or reliability of any location information or mapping information provided through LifeRing. LifeRing also provides the ability to use maps from many sources including customer provided maps. Export Controls. Licensee agrees and certifies that no technical data received from AGIS, nor the direct product thereof, will be shipped, transferred or exported, directly or indirectly, to any country in violation of any applicable law, including the United States Export Administration Act and the regulations thereunder. Children`s Use of LifeRing. LifeRing is intended only for use by users who are of legal age. Children under the age of thirteen (13) may not use LifeRing under any circumstances. If detected, users under the age of thirteen (13) will be prevented from accessing LifeRing. Internet Connectivity. Certain features of LifeRing require Internet connectivity. You and your communication service provider (cellular company, WiFi provider, etc.) are solely responsible for the provision of an Internet connection, and any costs associated therewith. 3. U.S. Government Restricted Rights. If LifeRing is acquired by or used on behalf of a unit or agency of the United States federal, state or local government, this provision applies. Licensee agrees that LifeRing is delivered as `commercial computer software` as defined in DFARS 252.227-7013 (Oct. 1998), DFARS 252.211-7015 (May 1991) or DFARS 252.227-7014 (Jun. 1987), or as a `commercial item` as defined in FAR 2.101(a), or as `restricted computer software` as defined in FAR 52.227-19 (Jun. 1987), whichever is applicable. Licensee agrees that LifeRing is adequately marked when the Restricted Rights legend is included on or encoded in LifeRing`s software code. Licensee further agrees that LifeRing has been developed entirely at private expense. COPYRIGHTS, PATENTS, AND OTHER INTELLICTUAL PROPERTY RIGHTS. LifeRing is proprietary to AGIS and is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties, including but not limited to United States Patents 7,031,728; 7,630,724; 7,672,681; 7,689,232; 7,764,954; 7,805,146; 7,853,273; 8,126,441; 8,131,298; 8,213,970; 8,364,129; 8,538,393; 8,880,042; 9,408,055; 9,467,838; 9,749,829; 9,820,123; 10,292,033, 10,299,100, 10,341,838, 10,645,562 and 12,022,370. Additional patents pending.

SECTION 32

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SECTION 32

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IN NO EVENT SHALL AGIS, ITS EMPLOYEES, DIRECTORS, AFFILIATES, AGENTS, SUPPLIERS, OR LICENSORS BE LIABLE TO YOU FOR ANY LOSSES, PROCEEDINGS, CLAIMS, OBLIGATIONS, LIABILITIES, COSTS, OR DAMAGES IN AN AMOUNT EXCEEDING THE AMOUNT YOU PAID TO AGIS FOR YOUR USE OF LIFERING OR $100.00 U.S.D., WHICHEVER IS GREATER. SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS AGREEMENT GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. THE DISCLAIMERS, EXCLUSIONS, AND LIMITATIONS OF LIABILITY UNDER THIS AGREEMENT WILL NOT APPLY TO THE EXTENT PROHIBITED BY APPLICABLE LAW.

6. THIRD PARTY INTERFACES LifeRing may utilize, or contain links to, third-party databases and websites (`Third-Party Information`) in connection with the provision of data or services to you. AGIS does not assume any responsibility for the Third-Party Information, and you expressly release AGIS from any liability associated with LifeRing`s use thereof.

7. SECURITY AGIS has implemented and maintains reasonable physical and electronic security measures to protect the privacy and security of information collected from you, which are designed to limit unauthorized access thereto. While we use the foregoing security measures to protect your information, please note that no data transmitted electronically or stored and utilized for business purposes can be guaranteed to be completely secure. No security measures are perfect or impenetrable. We cannot guarantee that only authorized persons will view your information or that that information you share using LifeRing will not become publicly available.

8. GOVERNING LAW READ THIS SECTION CAREFULLY. IT REQUIRES YOU TO ARBITRATE ANY DISPUTES WITH AGIS AND LIMITS HOW YOU CAN SEEK RELIEF FROM AGIS. YOU AGREE THAT, BY ENTERING INTO THIS AGREEMENT, YOU WAIVE THE RIGHT TO A TRIAL BY JURY OR TO PARTICIPATE IN A CLASS ACTION, COLLECTIVE ACTION, OR OTHER REPRESENTATIVE PROCEEDING OF ANY KIND. ALL CLAIMS UNDER THIS AGREEMENT MUST BE BROUGHT BY THE PARTIES` IN AN INDIVIDUAL CAPACITY AND NOT AS A CLASS MEMBER IN ANY CLASS ACTION, COLLECTIVE ACTION, OR GENERAL ACTION. YOU AGREE THAT THE ARBITRATOR MAY NOT CONSOLIDATE MORE THAN ONE PERSON`S CLAIMS.

You agree to resolve any claim, dispute, or controversy (excluding any AGIS claims for injunctive or other equitable relief) arising out of or in connection to this Agreement, or the breach or alleged breach thereof (collectively, `Claims`), by binding arbitration before a single arbitrator in accordance with the then existing Commercial Arbitration Rules of the American Arbitration Association (`AAA`), including the Optional Rules for Emergency Measures of Protection. The arbitrator shall be a practicing attorney or retired judge with at least fifteen (15) years of relevant working experience. The arbitration shall be held in Palm Beach County, Florida unless otherwise mutually agreed upon at the time by the parties. The arbitration proceedings and arbitrator`s award shall be maintained by the parties as strictly confidential, except as is otherwise required by court order or as is necessary to confirm, vacate or enforce the award and for disclosure in confidence to the parties` respective attorneys, tax advisors, and senior management and to family members of a party who is an individual. No demand for arbitration may be made after the date when the institution of legal or equitable proceedings based on such claim or dispute would be barred by the applicable statute of limitation, and all claims must be brought within one (1) year of the day that the claim arises, or otherwise be barred. The award rendered by the arbitrator shall include costs of arbitration, reasonable attorneys` fees and reasonable costs for expert and other witnesses, and any judgment on the award rendered by the arbitrator may be entered in any court of competent jurisdiction.

SECTION 32

The arbitrator is not authorized to award punitive or other damages not measured by the prevailing party`s actual damages. Nothing in this section shall be deemed as preventing AGIS from seeking injunctive or other equitable relief from the courts as necessary to protect any of AGIS` proprietary interests.

Except as otherwise provided by the AAA, the arbitrator shall require exchange by the parties of: (i) the name and, if known, address and telephone number of each person likely to have knowledge of relevant information, identifying the subjects of the information, and (ii) non-privileged documents, including those in electronic form, that are relevant to the issues raised by any claim, defense or counterclaim or on which the producing party may rely in support of or in opposition to any claim, defense or counterclaim. The arbitrator shall limit such production based on considerations of unreasonable expense, duplication, and undue burden. These exchanges shall occur no later than a specified date within sixty (60) days following the appointment of the arbitrator. At the request of a party, the arbitrator may at his or her discretion order the deposition of witnesses. Depositions shall be limited to a maximum of three depositions per party, each for a maximum of four hours duration, unless the arbitrator otherwise determines. The arbitrator may allow such other discovery as he or she determines is reasonably necessary for a fair determination of the dispute. Any dispute or objections regarding discovery or the relevance of evidence shall be determined by the arbitrator. All discovery shall be completed within one hundred and twenty (120) days following the appointment of the arbitrator, unless the arbitrator otherwise determines.

By accepting this Agreement, you acknowledge that use of LifeRing involves an interstate or international commerce transaction. You also agree that: (a) this Agreement shall be governed by the laws of the State of Florida, without respect to its conflict of laws principles; (b) the application of the United Nations Convention on Contracts for the International Sale of Goods is specifically excluded from being part of this Agreement; (c) AGIS retains the right to seek injunctive or other equitable relief to prevent the actual or threatened infringement, misappropriation or violation of AGIS`s patents, copyrights, trade secrets, trademarks, or other intellectual property or proprietary rights. This Agreement may not be transferred or assigned by you, but may be assigned by AGIS without restriction.

9. MISCELLANEOUS TERMS Severability. If any term, covenant, condition or provision of this Agreement is held by a court or arbiter of competent jurisdiction to be invalid, void or unenforceable, it is the parties` intent that such provision be reduced in scope only to the extent deemed necessary to render the provision reasonable and enforceable and the remainder of the provisions of this Agreement will in no way be affected, impaired or invalidated as a result. Entire Agreement. This Agreement contains the entire agreement between the parties, and supersedes any prior proposal, representation, or understanding between the parties. This Agreement may only be modified by a written agreement accepted by both parties. All terms, conditions and obligations of this Agreement will be deemed to be accepted by Licensee upon installation of LifeRing.

No Legal Relationship. Nothing in this Agreement shall be interpreted to create a partnership, relationship, joint venture employee, agency, or franchise relationship between the parties hereto.

Indemnification. In the event that you violate any of these terms of this Agreement, you agree to indemnify, defend and hold AGIS, including its officers, directors, employees, agents, affiliates and partners harmless from any and all losses, liabilities, fines, penalties, costs or expenses (including reasonable attorneys` fees and reasonable expenses) arising therefrom.