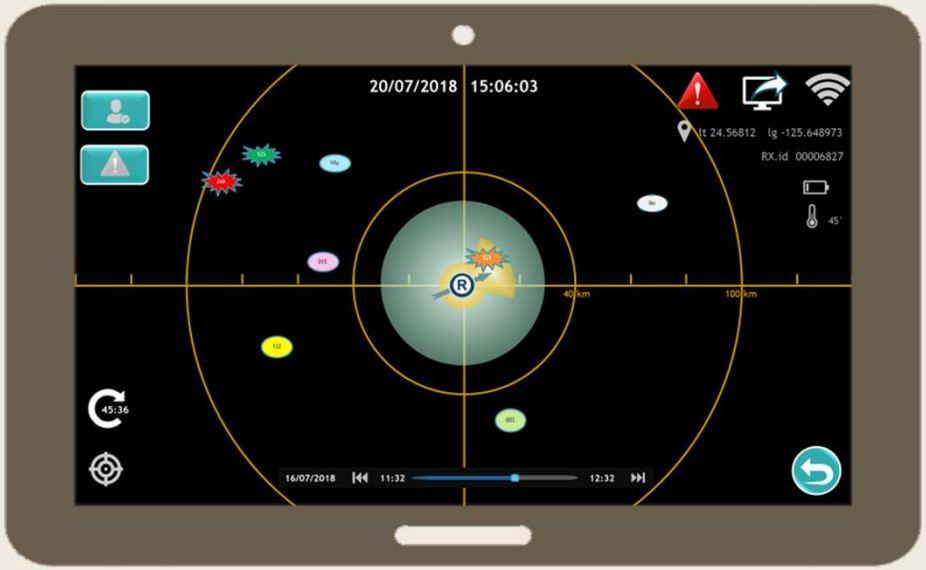
GPT App

User's Manual

AS-GPT-18091811

Gpacers Poseidon Tracker



OUTLINE

Basic Users

- An Intro to GPTS
- Download-Install
- Entry
- Main Page
- Select Members

Advanced Users

- Set Alerts
- Handle Data from History

Basic Users

An Intro to

Gpacers Poseidon Trackers System

3 modes

Receiver

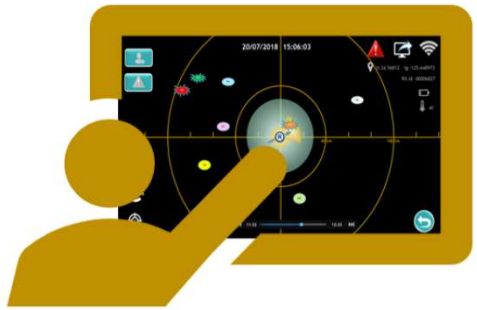
Transmitter

Repeater

Transmitter

Receiver

App console

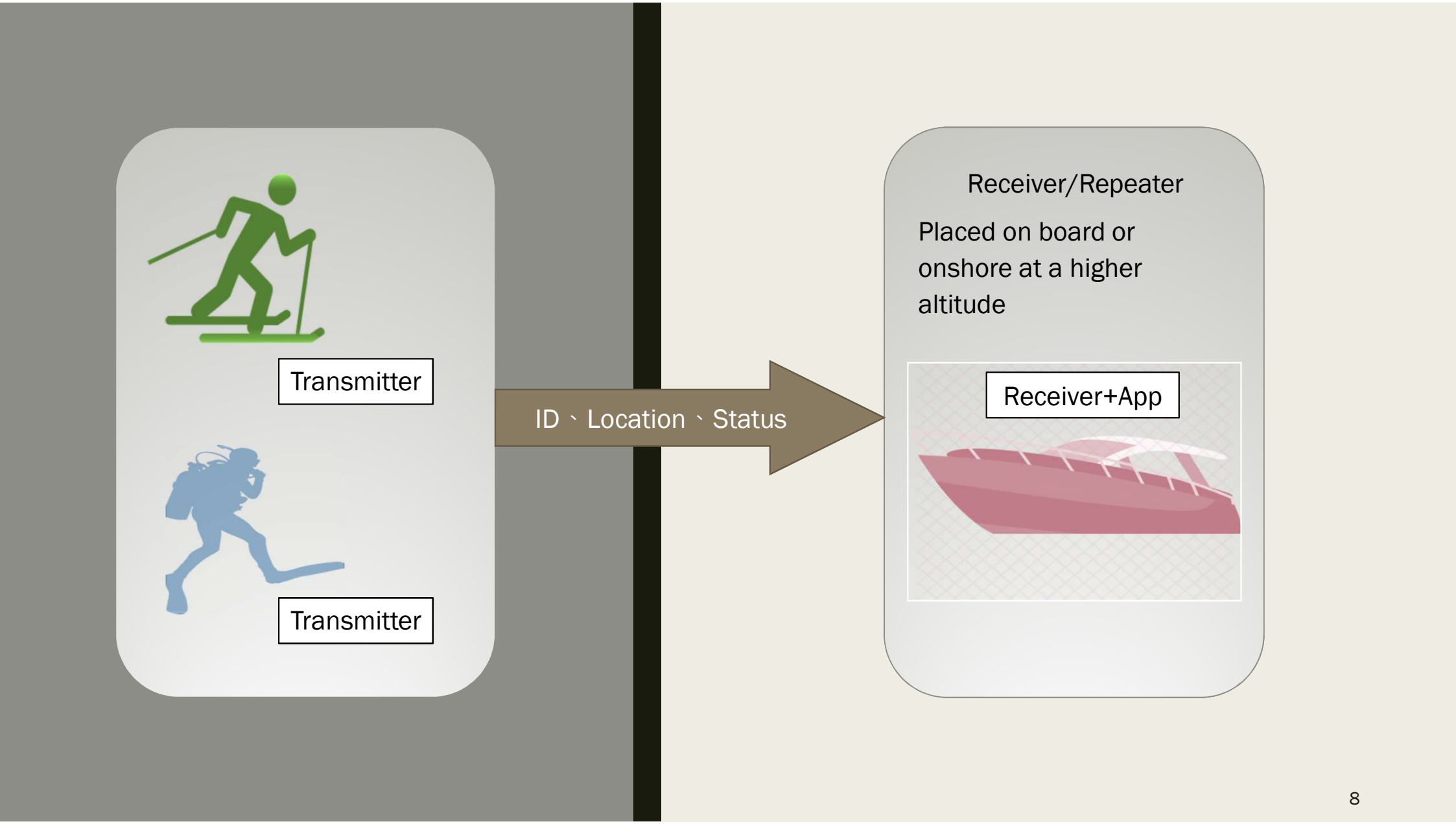


Basic System Architecture

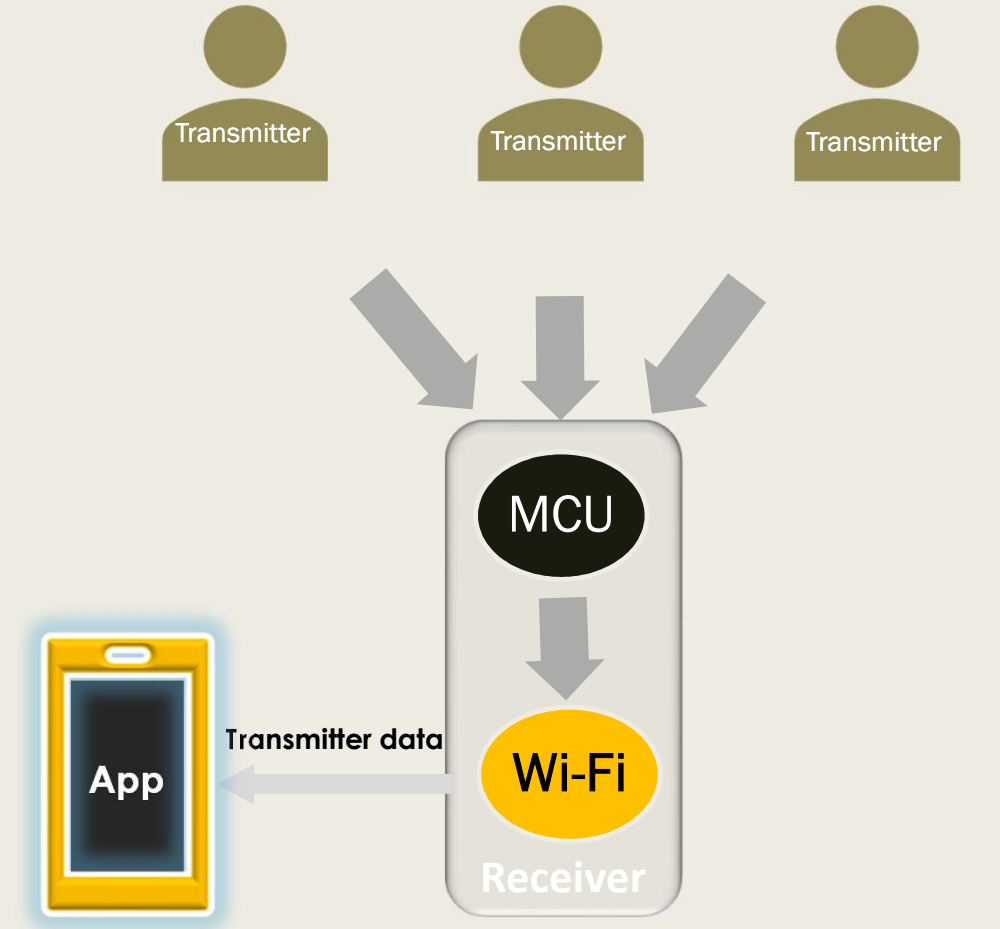
App console

Transmitter → Repeater → Receiver →

Advanced System Architecture


Transmitter
Transmitter
ID、Location、Status
Receiver/Repeater
Placed on board or onshore at a higher altitude
Receiver+App

10 cm


Transmitter
Transmitter
Transmitter
MCU
Wi-Fi
Receiver
App
Transmitter data

For more information, please refer to :

- An Intro to_Gpacers Poseidon Trackers System
- Design Basis_Gpacers Poseidon Trackers System
- How Protects_Gpacers Poseidon Trackers System
- How to Use_Gpacers Poseidon Trackers System

Download

- GPT App User's Manual
- Gpacers Poseidon Tracker User’s Manual

Download-Install

Poseidon Trackers System

Gpacers

Download-Install

App Store

Apple App Store

Google Play

Google Play Store

ENTRY

Tap App Icon

1. Open the app and confirm you have connected to Receiver(RX) Wi-Fi.
2. On the device, the RX Wi-Fi name appearing should have "Gp" as its first two letters.
3. If the connection is incorrect , a dialog box will appear.

Home Page

Start

Goes to Main Page

Data is received from RX Wi-Fi.

History

Goes to data history

➔ replay, share, delete

Tap ICON to browse pdf User's Manual
簡体
English
繁體

Tap ICON to browse Gpacers website, Copyright statement

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MAIN PAGE

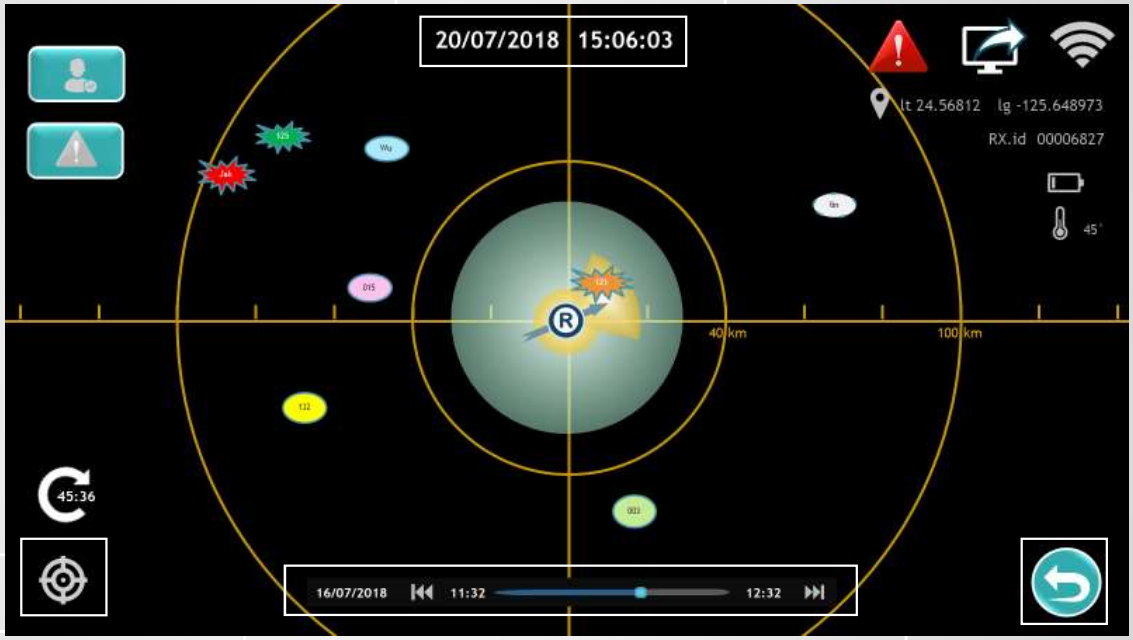
Start

Tap to Main Page

Radar Map

- **Zoom in/Out function**
- **Swipe up or down**
- **Circular ruler for quick estimation of distances**

Local Time



Set RX to the center

return to Home Page

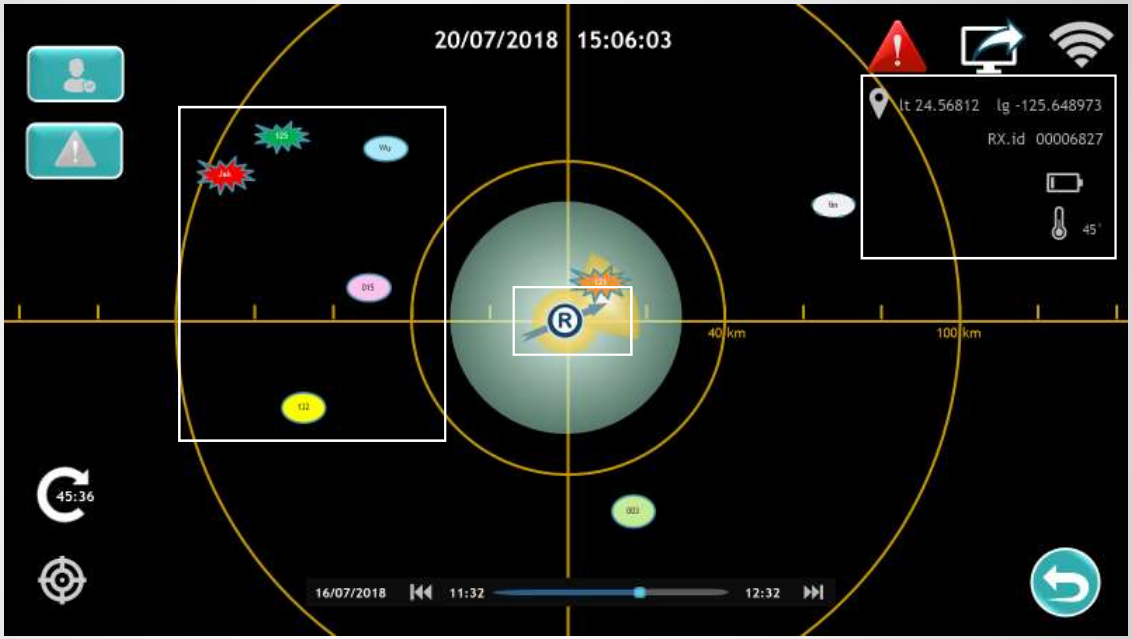
Playback control

Start

Tap to Main Page

Display TX Codes and Colors

- If not updated within 10 minutes ➔ Flashing
- Press and hold on the screen for 1 second ➔ copy coordinates (can be pasted to the Google Maps navigation)
- In case of distress ➔ A red star appears with a warning sound.
- When the distress is terminated ➔ a green star appears.
- The code is limited to 3 characters for a concise display



RX:
latitude,
Longitude
ID,
Battery level,
Temperature

Show Rx Move Direction

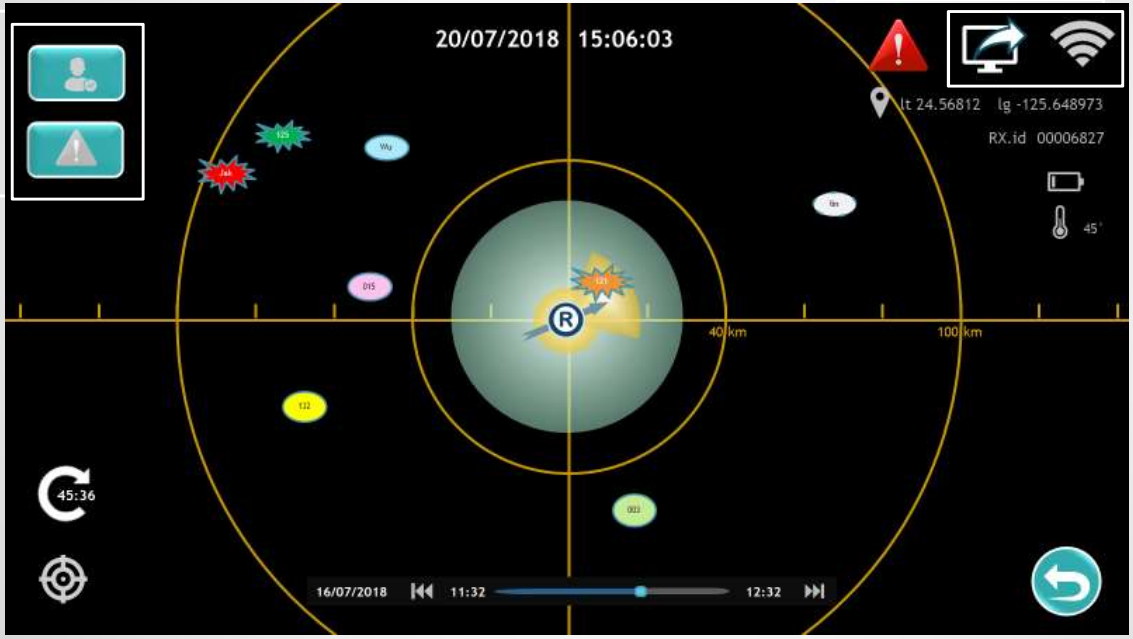
- If RX Speed is less than 1 m/s, RX is presumed to be static.
- The sector front of the alert area on the collision alarm will also be automatically disactivated.

Start

Tap to Main Page

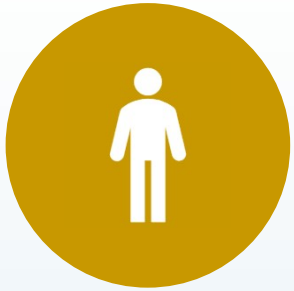
If any TX location exceeds the screen range, you can click the rectangular icon to show their IDs.

- Select Members
- Set Alerts

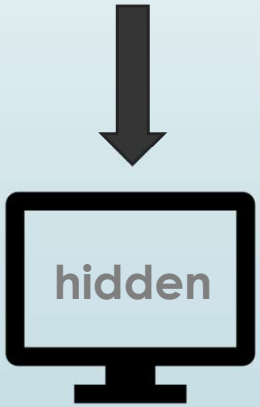


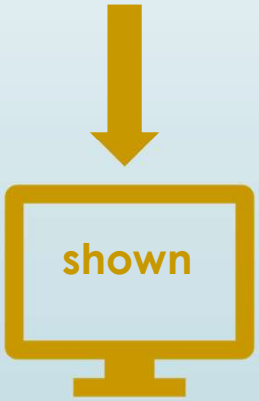
Click to open the Wi-Fi connection dialogue box.

SELECT MEMBERS



Transmitters = Bystander + Members





Transmitters、
Bystander、
Members

Member

- The receiver can receive all data sent by transmitters in a large area, including bystanders.
- In order to avoid a messy display, the user can select only the transmitters that need to be displayed, namely, the members.
- However, the app can also receive information regarding bystanders, but without displaying this information on the main screen. An alert will still be triggered if a bystander sends a distress.
- Members are saved in the App. When re-opening the App, members are preset, whilst ignoring bystanders.

Tap to Select Members

Local Time

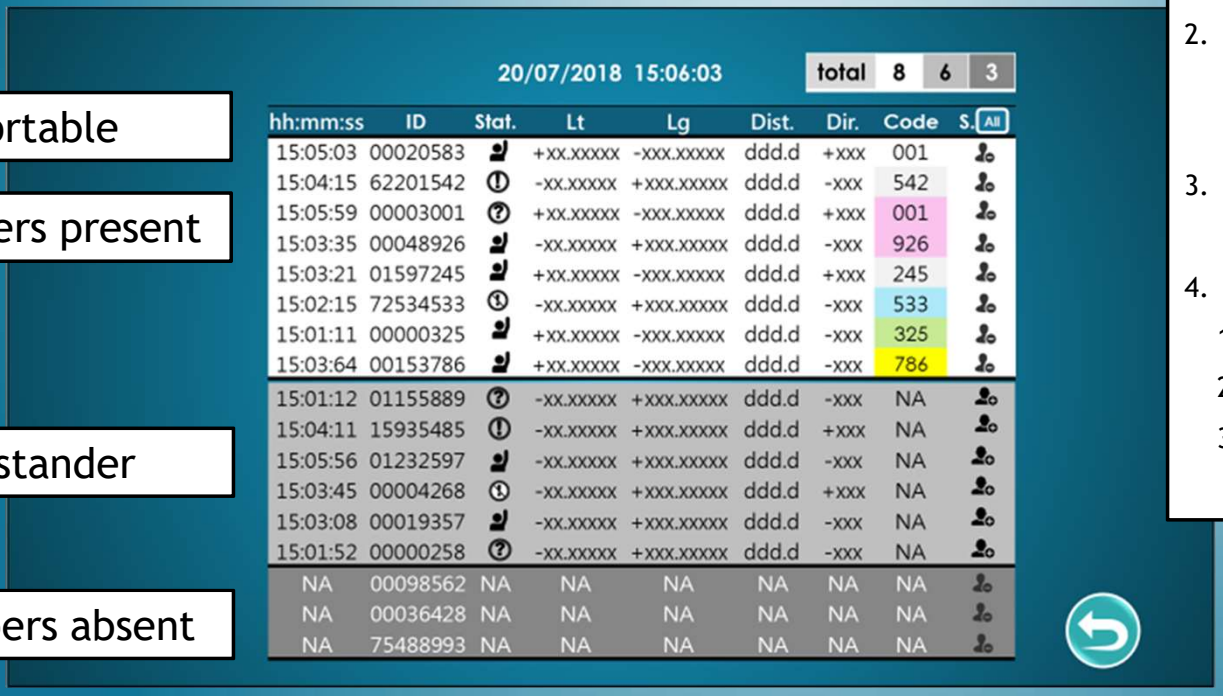
Amount

Sortable

Members present

Bystander

Members absent



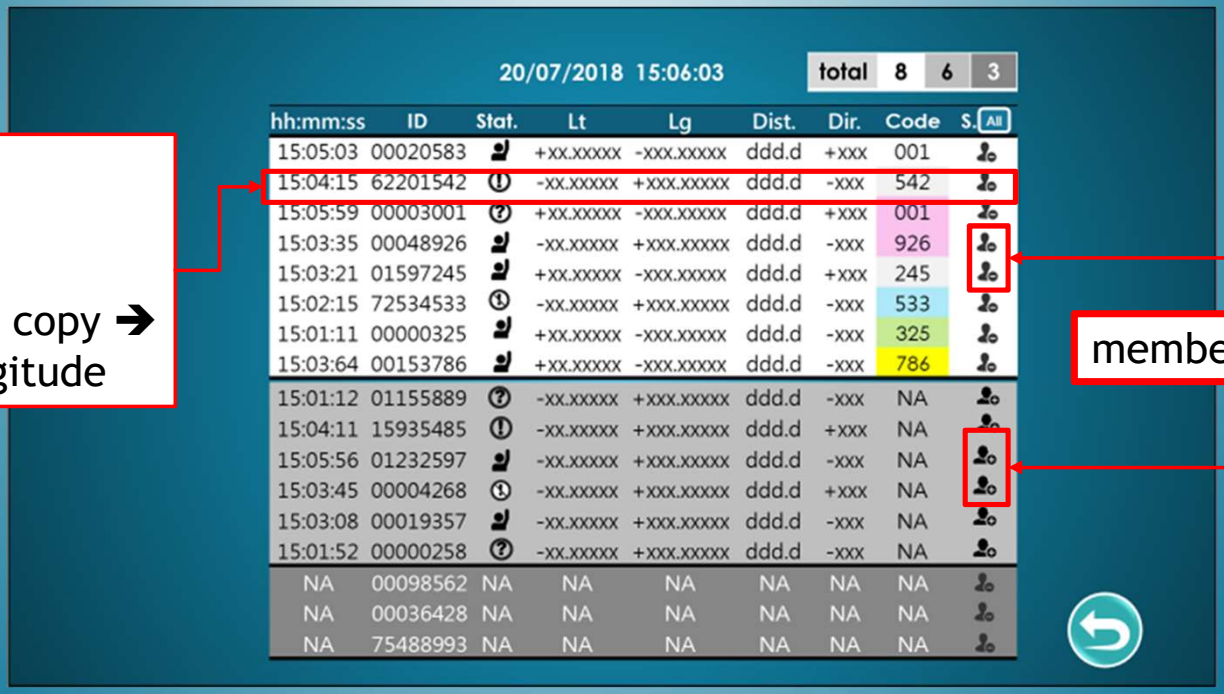
1. Only members present will be displayed on the main page, thus excluding absent members and bystanders.
2. Members present and absent members are saved on the App. Users need not select members again when re-opening the App.
3. If members are moved to be bystanders, they are no longer preset as members.
4. Exceptions whereby bystanders will be displayed:
   1) Distress status
   2) Distress terminated announcement status
   3) Bystander appeared in the alert zone after the alert was activated.

Tap to Select Members

Status	Call	Distress	Distress terminated	unknown
icon				

Tap to set ➔
color, code

Long press to copy ➔
latitude, longitude



member ➔➔bystander

Tap to Select Members

Transmitter ID: 00003001

Set Code 001

Set Color

Reset

OK

The code is limited to 3 characters.

The default setting :

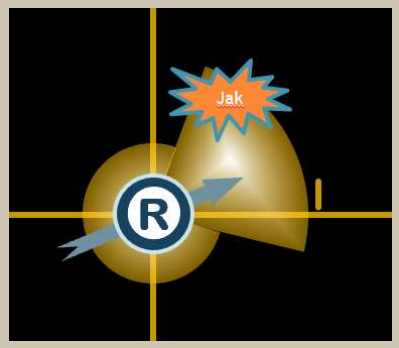
- the last 3 numbers of ID
- the color green

Advanced users

SET ALERTS

GPT = Danger Precaution + Long Range Tracking

Impact Alert



Any person in the yellow zone will be shown as an orange star. This alert setting can be used to

(1) prevent collisions between persons and vessels

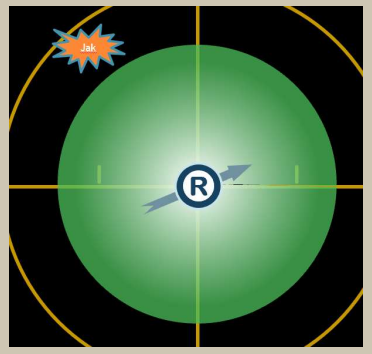
(2) send signal when rescue team is near the person in distress.

Distress Alert

Any person who sends a distress signal will be shown as a red star.

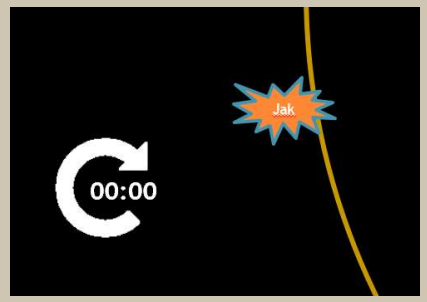
When the distress signal is terminated, it will be displayed as a green star for up to 1 hour to announce the termination of distress status.

Out of Range alerts



Any member appearing outside the safe zone will trigger an alert.

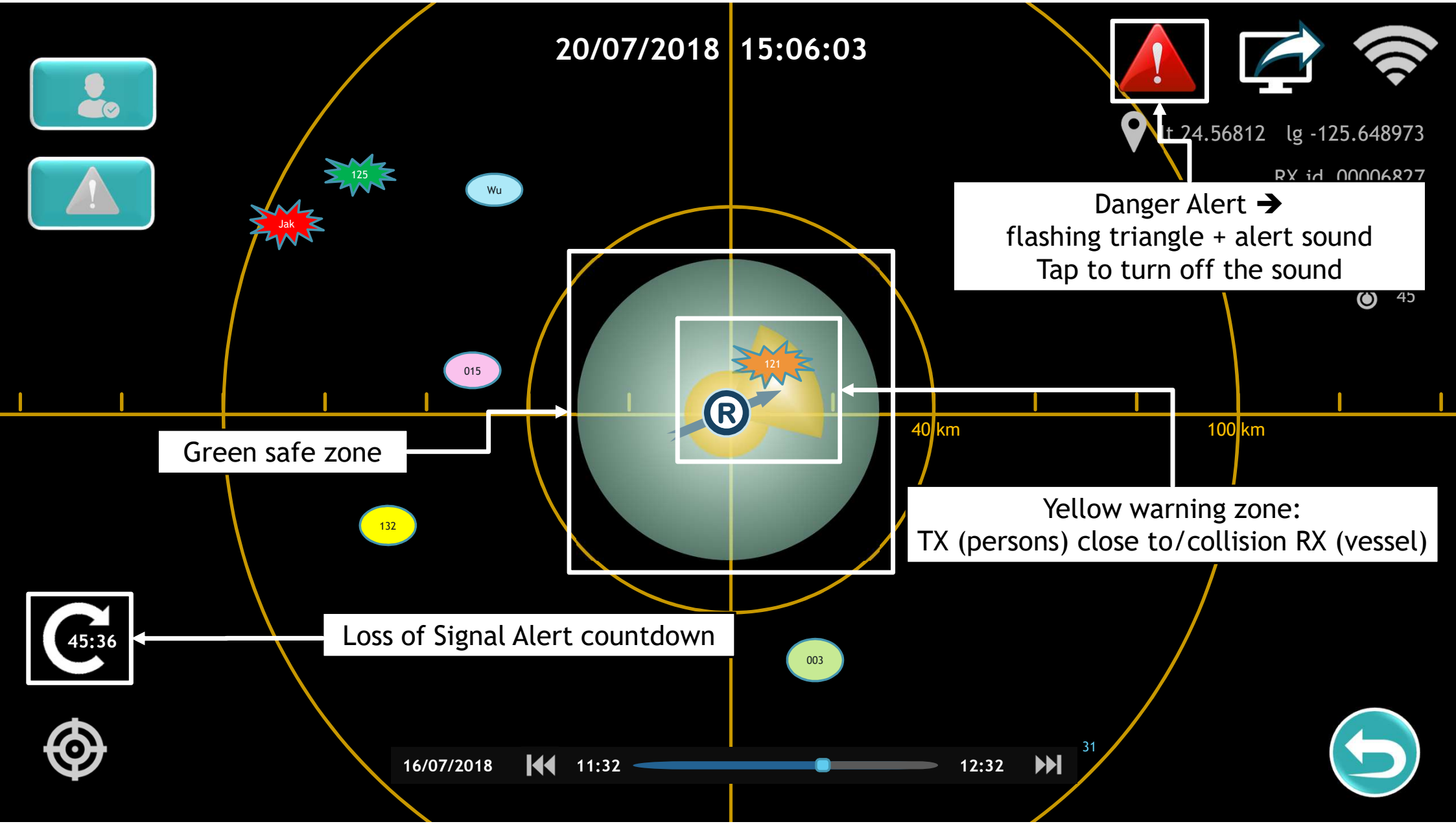
Loss of Signal alert



Any member

1. whose signal has not been received for a continuous 10 minutes period, and
2. the set alert countdown clock reached to its end

will be displayed at their last known coordinate as an orange star.


20/07/2018 15:06:03
t 24.56812 lg -125.648973
RX id 00006827
Danger Alert ➔
flashing triangle + alert sound
Tap to turn off the sound
125
Jak
Wu
015
121
132
003
40 km
100 km
Green safe zone
Yellow warning zone:
TX (persons) close to/collision RX (vessel)
45:36
Loss of Signal Alert countdown
16/07/2018
11:32
12:32

Tap to Set Alert Box

Tap ✓ ↔ ✗

✓ Save and activate the alert

✗ Disactivate the alert and set this as preset condition

Green number is the default value

- Front warning zone: defined as the forward direction of the receiver, covering a 120 degree arc.
- If the moving speed is less than 1 m/s, the direction of the receiver will not be displayed, and the front warning zone will also be disactivated.

Enable and Preset Alert

if any team member

✓ outside of safe zone : 1.0 km

Safe Zone Radius

✗ absence after : 50 min

Countdown of Loss of Signal Alert

if any person is detected nearby the receiver

✓ front : 0.5 km ; surround : 0.25 km

Reset

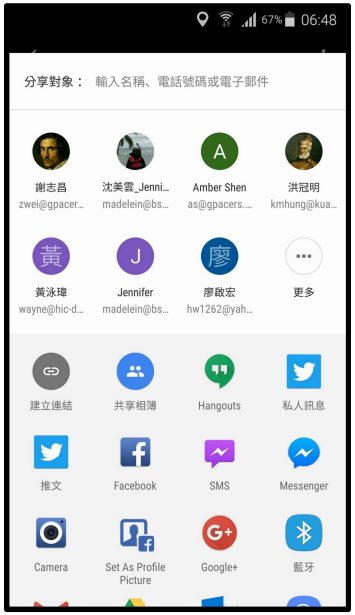
OK

HANDLE DATA FROM HISTORY

History

Handle Data from History

Share ➔

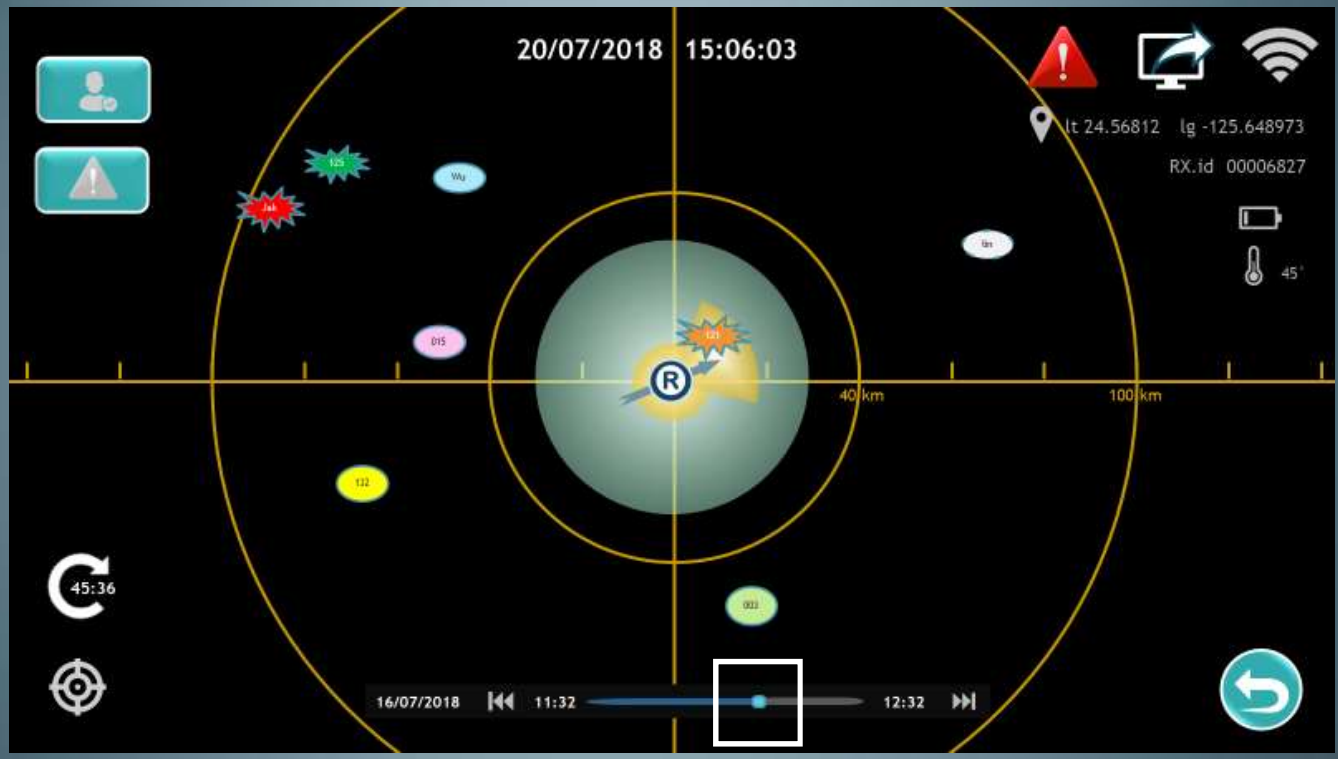


Delete ➔

Confirm OK dialog box

Tap Demo for various demos

History → Replay

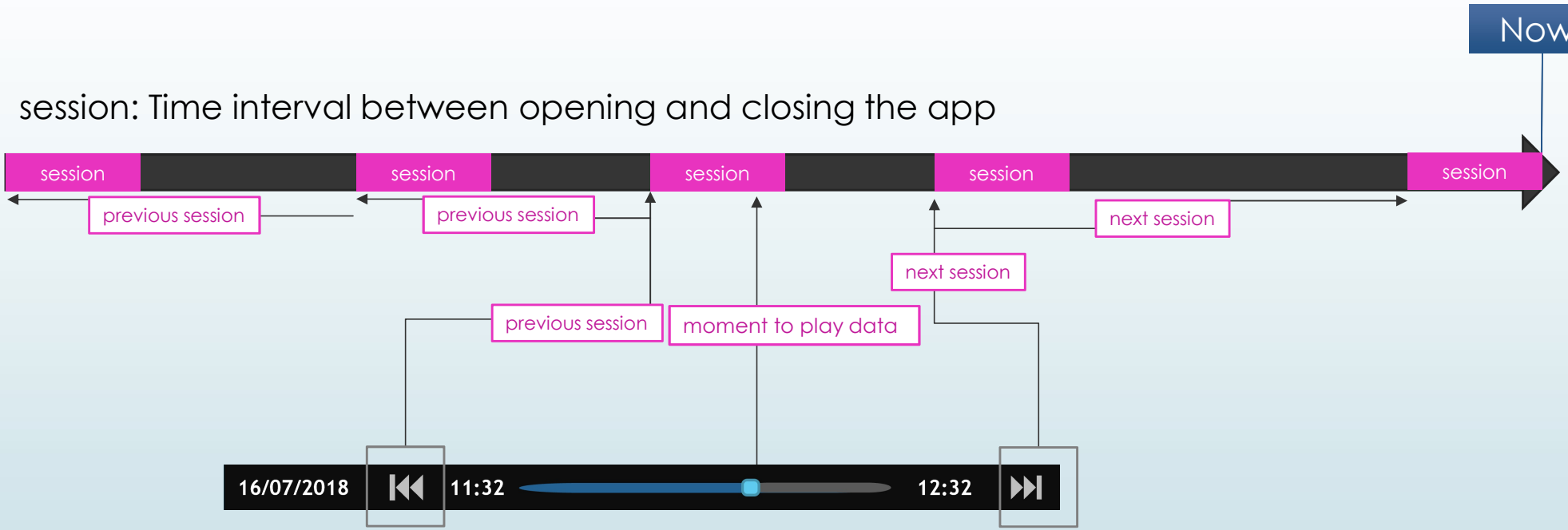


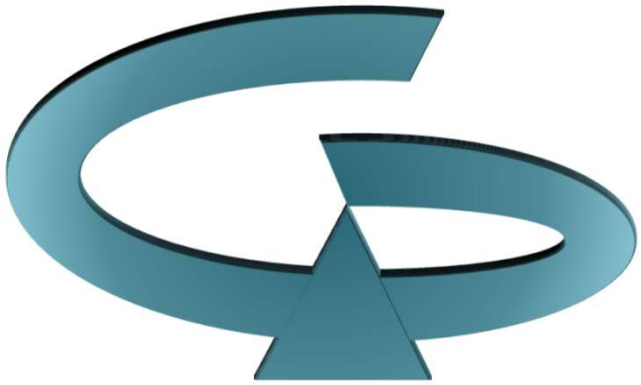
Slide the cursor on the timeline to move to replay the date

History → Replay

forward/backward on the Playback Control

session: Time interval between opening and closing the app





Gpacers