FLYMASTER

LIVE1ONE

THE ULTIMATE TRACKER

User Manual

1.0

This manual is based on the Live One PRO; the Basic and Advanced versions may not include all the features described.

Flymaster Avionics, Lda

IMPORTANT

Regulation for the Responsible Use and Utilization of Flymaster's Live Tracking Service

1.Introduction This regulation aims to establish guidelines for the responsible use of Flymaster's Live Tracking service. Proper and conscious use of the service is essential to prevent abusive usage resulting in excessive data consumption, which the service was not designed for.
2.Definitions 2.1. Live Tracking: Refers to the service provided by Flymaster that allows real-time tracking and transmission of GPS tracking device positions during outdoor activities. 2.2. User: Any individual utilizing Flymaster's Live Tracking service.
3.User Responsibility 3.1. Proper Usage: Users must employ Flymaster's Live Tracking service in an appropriate and responsible manner, ensuring that their usage is not abusive or excessive. 3.2. Deactivation: Users must deactivate the Live Tracking service when not in use, especially during prolonged periods of inactivity, such as days without planned activities. 3.3. Data Consumption: Users should be aware that Live Tracking service consumes internet data and should use the service in a way that avoids excessive data consumption.
4.Service Limitations 4.1. Data Capacity: Flymaster's Live Tracking service has limited data consumption capacity. Abusive usage may result in data transmission failures and interruptions in service functionality. 4.2. Server Overload: Excessive usage by a large number of simultaneous users can overload the server and degrade service quality for other users.
5.Consequences of Misuse 5.1. Service Suspension: Flymaster reserves the right to temporarily or permanently suspend the Live Tracking service for users engaging in misuse, including unnecessary excessive data consumption. 5.2. Legal Liability: Improper use of the Live Tracking service that violates laws, regulations, or third-party rights may lead to legal consequences for the user.
6.Final Provisions 6.1. Compliance with Regulation: By utilizing Flymaster's Live Tracking service, users agree to comply with the provisions outlined in this regulation. 6.2. Regulation Modifications: Flymaster reserves the right to modify this regulation at any time, with prior notification to users. 6.3. Clarification of Doubts: Any inquiries regarding this regulation should be directed to Flymaster's support team for further clarification.
This regulation aims to ensure responsible usage of Flymaster's Live Tracking service, safeguarding its resources and preventing abuses that could compromise service quality. By adhering to these guidelines, users contribute to the service's maintenance and efficiency for the benefit of all users.

Índice

Tech Specs

Display Type……90x90 pixels backlit LCD

Battery Capacity (Lithium-Ion)…… 2000 mAh

Autonomy……Usually 20 hours at 1 sec livetracking (environment conditions may alter this value)

Pressure Sensor……High resolution barometric sensor 10 to 1200 mbar

Audio…… Piezo speaker for alerts and vario sound*

GPS……72-channel BeiDou, Galileo, GLONASS, GPS / QZSS

Microprocessor……..Flymaster Microprocessor with proprietary RTOS

GSM……..Multi-band LTE-M / EGPRS Module

FLARM……Flarm beacon ready (TX mode)*

Bluetooth……...Bluetooth 5 low energy module*

Native USB Type C Connection……..Allows connection to the PC

Battery Charging……From wall adapter or usb port

Firmware update by USB (upgrades are free)

Size……..87x58x22 mm

Weight……..Aprox.93 g*

*depends on model

1 - Flarm antenna*
2 - Sound output
3 - Display
4 - Charging status led
5 - Up / Level 2 report back (long press)
6 - SOS (long press)
7 - Menu / Power (long press)
8 - Down / Level 3 report back (long press)
9 - Enter / volume set (long press)
10 - Hard Reset
11 - USB-C connector

* Depends on model

First Steps

1.

We recommend the reading of the following documents:
- Warranty terms and conditions.
To do that, please use the following links:
https://dnl.flymaster.net/Flymaster_Standard_Limited_Warranty_EN.pdf

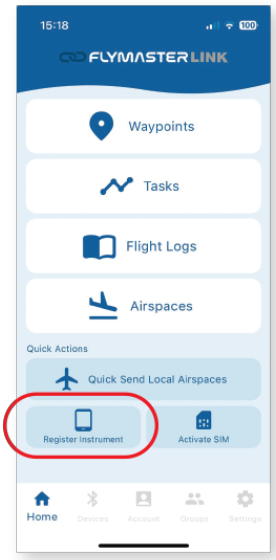
2.

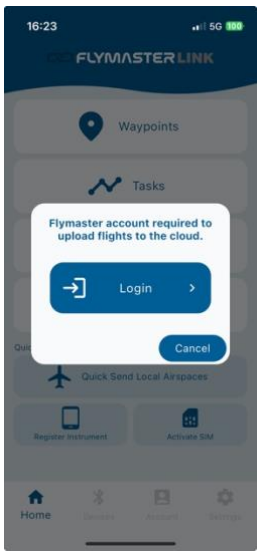
Google Play

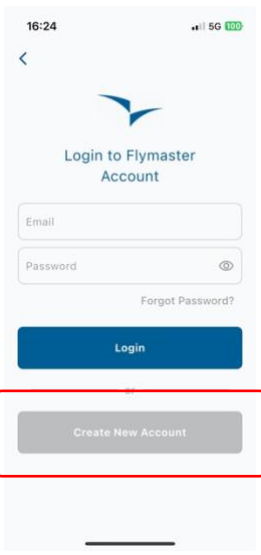
Download on the App Store

Install “Flymaster Link” App

3.

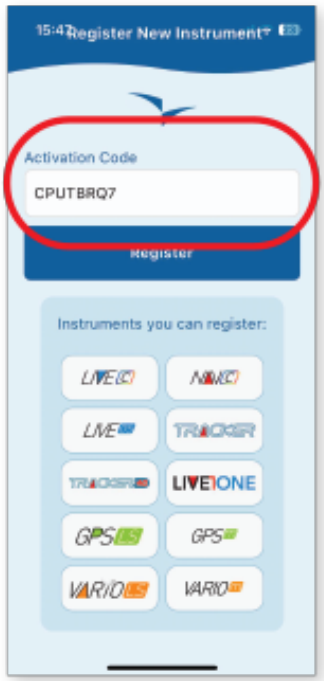


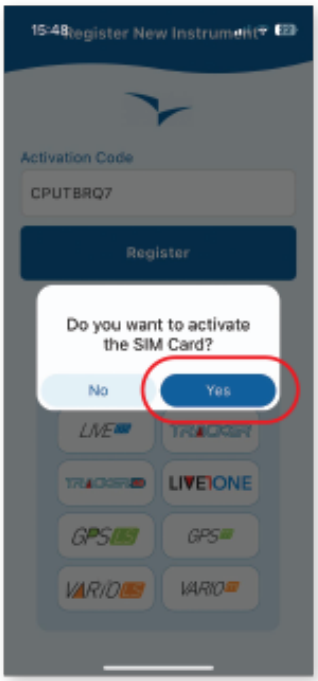


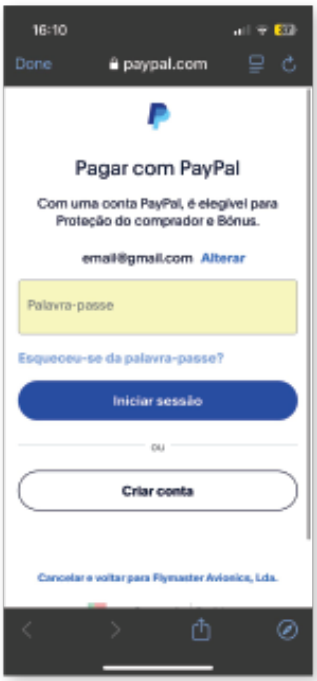


Register your Live ONE. If you don’t have a Flymaster Account yet, create a new one.

4.







- Insert the activation code to register the Live ONE into your account
- Activate the SIM card using your Paypal Account

Basic Operations

Power up Live On:

To turn on the Live One device, follow these steps:

1. Press the **Power** button.
2. A **time-out page** will appear, displaying a **9-second countdown** to confirm the device startup.
3. Within these 10 seconds, press the **ENTER** key to confirm and complete the power-on process.

Shutdown Live One:

To shut down the device, follow these steps:

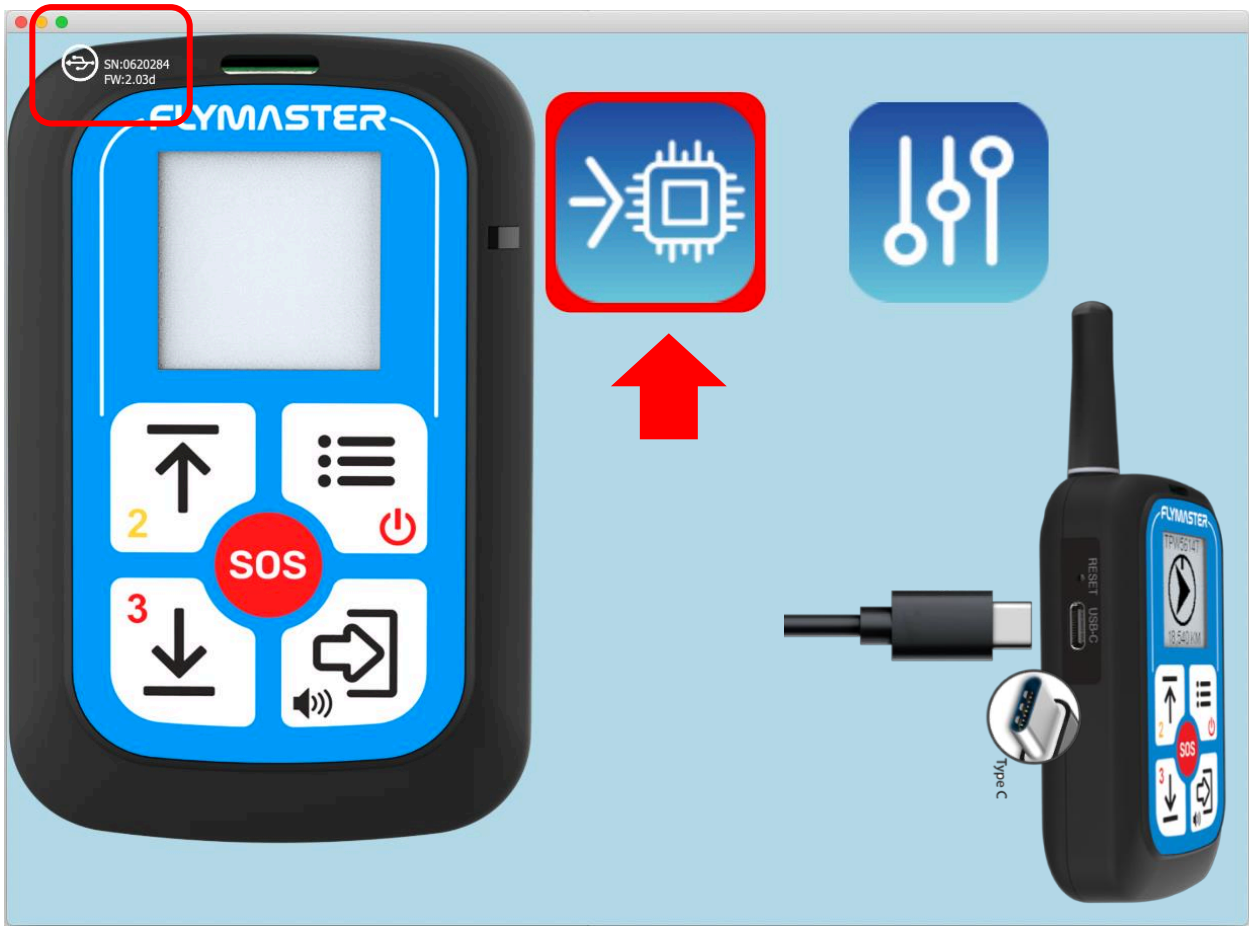
1. **Access the Main Menu:** Press the **Menu** button on the keyboard.
2. **Navigate to Shutdown:** Scroll through the menu options until you find the **Shutdown** setting.
3. **Confirm Shutdown:** Press the **ENTER** key to confirm and initiate the shutdown process.

Activate Vario (Available in Basic and Advanced versions)

Firmware Update

To update the firmware of your LIVE ONE, follow these steps:

1. **Turn on the LIVE ONE** – Power on the device as usual.
2. **Run the "Flymaster Instrument Manager" software** – Open the Flymaster Instrument Manager on your computer.
3. **Connect the LIVE ONE to your computer** – Use the provided USB-C cable to link the device to your computer.
4. **Automatic update prompt** – If a new firmware version is available, the Flymaster Instrument Manager will prompt you to update.
5. **Manual firmware update (alternative method)** – You can manually install the firmware by clicking on the "Firmware" tool in the software and selecting the



Reset and recovering instrument

Hardware Reset

If for some reason your LIVE ONE becomes unresponsive you can force a hardware reset to force it to reboot.

Use a small paperclip, for example, and gently insert it into the hole until you feel slight resistance. Do not use excessively pointed or sharp objects, and do not apply excessive pressure to the internal button.

Force firmware install (safe mode)

If your instrument fails to start even with a fully charged battery, it could be due to a software glitch or other non-hardware related problem.

How to force firmware installation?

1.

Put Live ONE in Safe Mode.

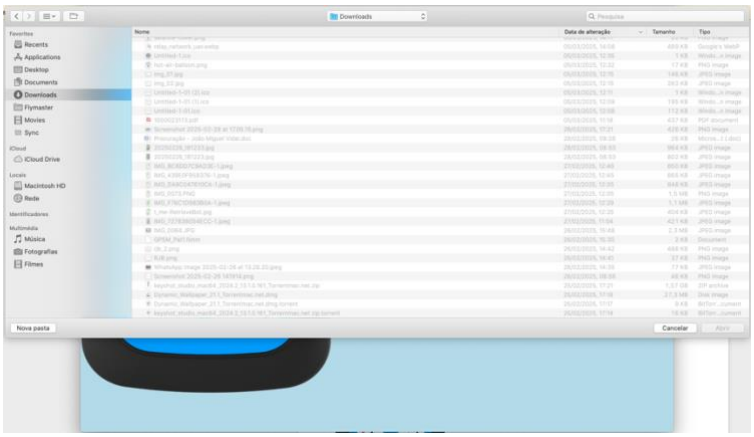
1. Connect the Live ONE to a computer using the USB connection and running Flymaster Instrument Manager
2. Keep the “UP” button pressed and push the reset side button
3. Keep the “UP” button pressed until you see “safe mode” in the display

2.

Install firmware in the Live ONE

1. Download and install “Flymaster Instrument manager” (available under downloads in Flymaster webpage

2. Use “install firmware” tool and point to firmware file. The latest firmware file of Live ONE can be downloaded from Flymaster webpage . Products -> Live One -> Downloads tab.



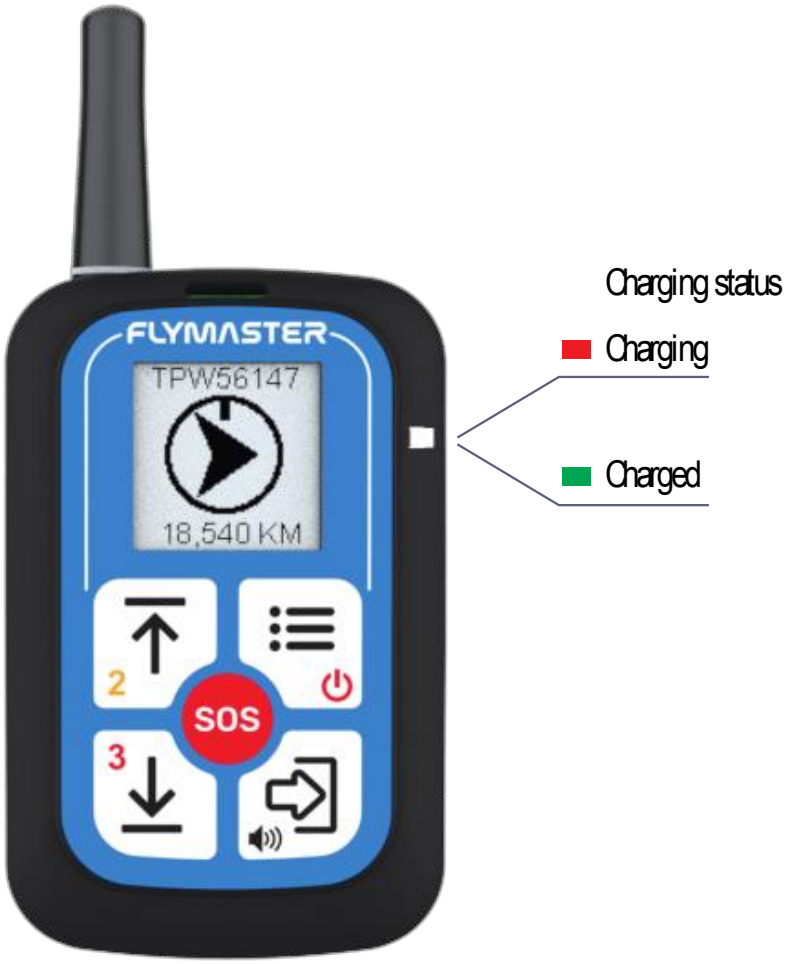
Charging and battery management

Flymaster LIVE ONE has an advanced battery power management system, which gives the pilot accurate information about the battery percentage.

To charge the Flymaster LIVE ONE battery we recommend the usage of a good quality power supply.

The original Flymaster cable is recommended in order to avoid damage to the power management system.

Charging:



Note: Charging the instrument with high ambient temperatures should be avoided. Such action can cause the battery to overheat and affect the battery health.

Live One Main Status

The **status page** displays the following information:

- **Battery status:** Shows the battery charge level in percentage.
- **GPS status:** Can be either **"No Fix"** (no signal) or **"3D Fix"** (GPS signal acquired).

GSM connection status:

- **"Wait"** if the device is not connected to the network.
- **"OK"** if the connection is established.
- The network type can be **"GSM (2G)"** or **"LTE (4G CAT-M)"**.

Info page:

The **Info page** provides the following details:

- **SN:** The serial number of the Live One device.
- **FW:** The installed firmware version.
- **FLRM**: If a Flarm module is present, this shows the Flarm serial number.
- **StrSp (Start Speed):** The predefined speed at which the Live One starts recording the track log and live tracking service.

Later in this manual, we will explain how to configure the **Start Speed** using the **Flymaster Link App**.

Reports:

On **page 1** of the **"Reports"** feature, you will find the reports that can be sent using this menu.

- **Level 2 and Level 3 reports** can also be sent using the **main keys** of the Live One device, from the **Status page** or from any **flight page**. (page 23)
- **Level 1 reports** can only be sent from this menu.

    - **Level 1** indicates that flight conditions are **no moderately or highly dangerous** and will **override** a previously sent **Level 2 or Level 3** report.
    - **"Safe":** Sends a report confirming a **safe landing**.
    - **"Retrieve":** Sends a report indicating that you **need pickup**.
    - **"Canc. Retrieve":** Sends a report stating that you **no longer need pickup**.

On **page 2** of the **"Reports"** feature, you can:

- **Report a reserve parachute deployment** that **does not justify an SOS request**. This means that, despite using this safety measure, it is **not an imminent emergency**.
- Use the **"Past Reports"** option to view a list of all previously sent reports.
    - Pressing **ENTER** on a report will show its **time** and **status**.

Report Statuses:

- **"No GPS"**: The Live One could not send the report because there is **no GPS fix**. Until a GPS signal is acquired, the report **cannot be sent**.
- **"Process"**: The report has been **created and is being processed**, but it **cannot be sent yet** due to a lack of GSM or LTE coverage.
- **"Sending"**: This status is rarely visible since the sending process is very fast. It indicates that the report is currently being transmitted.
- **"Sent"**: The report has been successfully **sent**.

Resets:

The **"Resets"** function provides options to reset both **software and hardware** features. The available reset options are:

- **GPS Reset:** Resets the GPS module. If the GPS takes too long to achieve a **3D fix**, you should try this reset to restart satellite acquisition.
- **Flight Reset:** Allows you to **start a new flight** without turning off the Live One. If the device detects a landing due to the **"auto-power off"** setting (explained later in the manual), you can manually start a new flight using this reset.
- **Device Reset:** Restarts the **tracker**.
- **Factory Default (Fact. Def.) Reset:** Restores **all settings** to factory defaults, resetting the device to its original values.

Volume setting:

To change the volume of alerts or the variometer (if applicable), on any page, press and hold the Enter/Volume key. The sound will cycle through levels 1, 2, 3, and Mute.

Level 2 and 3 report

In any page or situation, you can send a flight hazard level report, 2 or 3. Press and hold the UP/Level 2 or DOWN/Level 3 key.

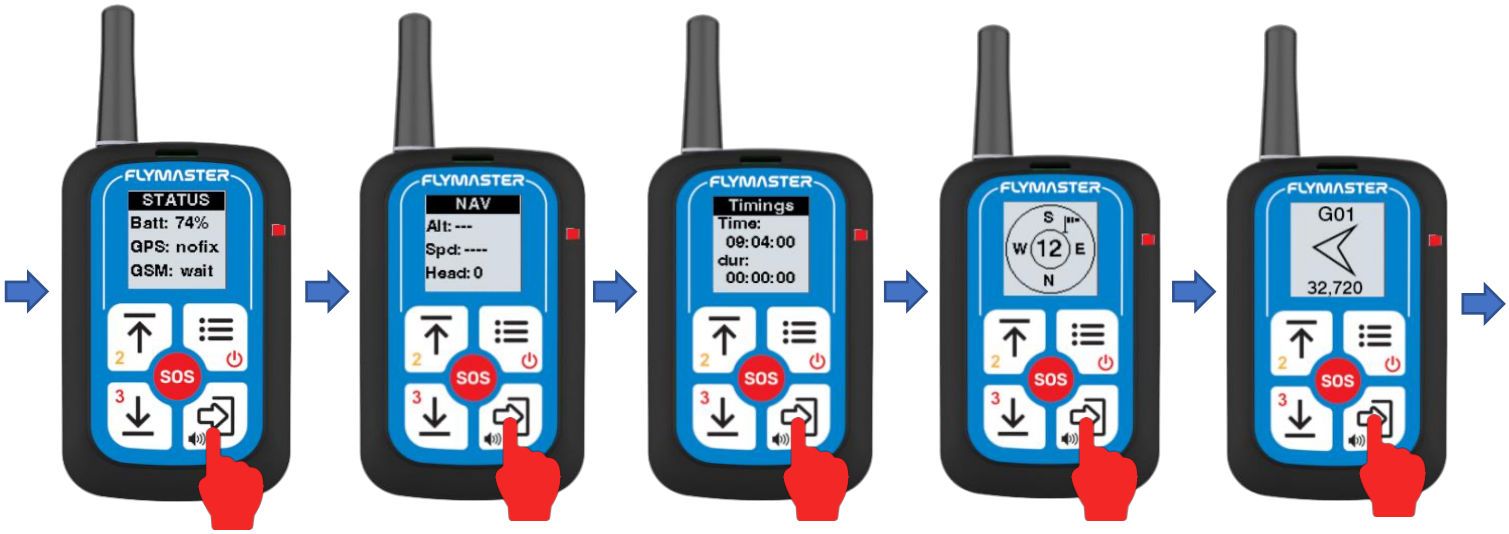
Important: If you have already sent a Level 2 or 3 report, you will not be able to send a new one until the previous report has been transmitted.

Pages

There are several pages you can use while navigating with the Live ONE.

When on the **"STATUS"** home page, pressing the **"ENTER/SOUND"** key will cycle through additional pages in sequence:

- ***"NAV"*** – Contains the following fields:
  - **"Alt" –** Displays your GPS altitude.
  - **"Spd" –** Shows your ground speed.
  - **"Head" –** Indicates your heading.
- ***"Timmings"*** – Displays two fields:
  - **"time" –** Shows the current time (the UTC offset can be configured using the Flymaster Link app, as explained later in this manual).
  - **"dur" –** Displays the duration of the current flight or ongoing activity.
- ***Wind Direction & Intensity*** – Provides information about wind direction and speed.
- ***Navigation Page –*** Indicates the direction to the next **Waypoint** and its details. (Task configuration outside of a competition can be done using **Flymaster Link**, while in a competition, it is received via **LTE-M** and sent by the organizers.)



Pair the LIVE ONE with Flymaster LINK app

To pair the **Live ONE** with **Flymaster Link**, follow these steps:

1. Open the Flymaster Link App

- Make sure the **Flymaster Link** app is installed on your smartphone.
- Enable **Bluetooth** on your smartphone.
- Open the **Flymaster Link** app.

2. Add the Live ONE

- In the app, go to the **Devices** or **Pairing** section.
- Click on the **"+"** icon to add a new device.
- The Live ONE will display a pairing code on the screen.

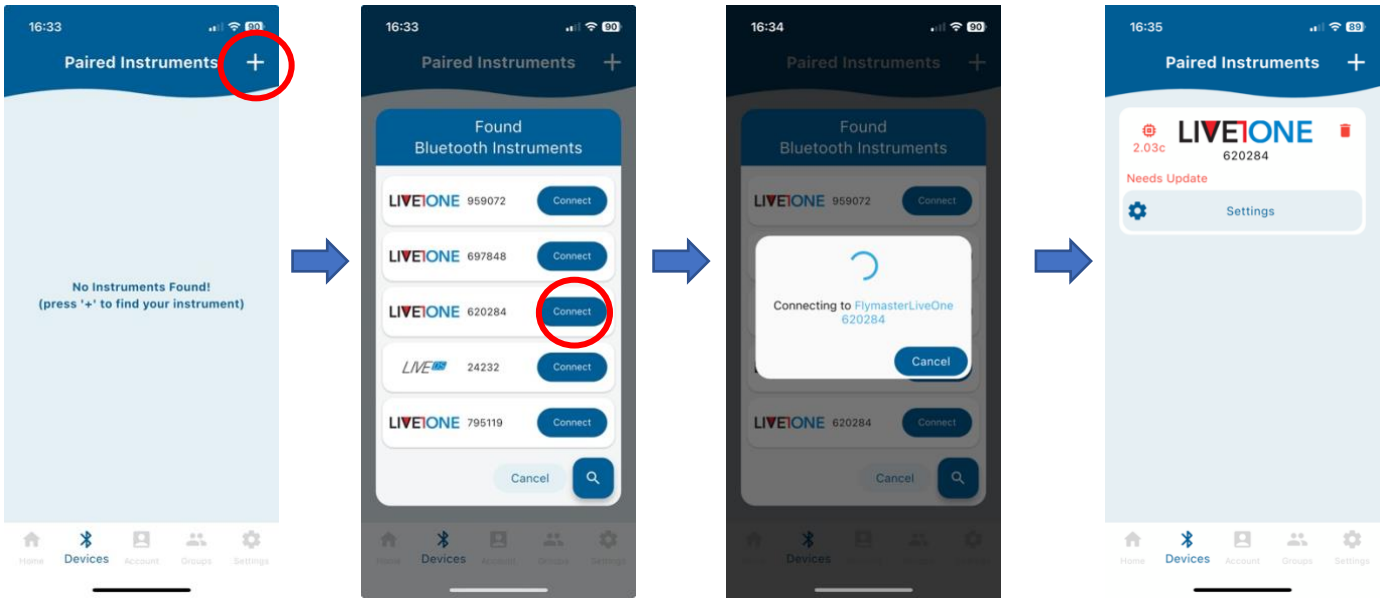
3. Confirm the Pairing

- In the **Flymaster Link** app, enter the code shown on the Live ONE.
- Wait for the connection to be established.
- The Live ONE will now appear in the **Devices** section of the app.

4. Verify the Connection

- In the app, check if the Live ONE data is syncing correctly.

Your Live ONE is now paired with Flymaster Link and ready for syncing settings, tasks, and other features.



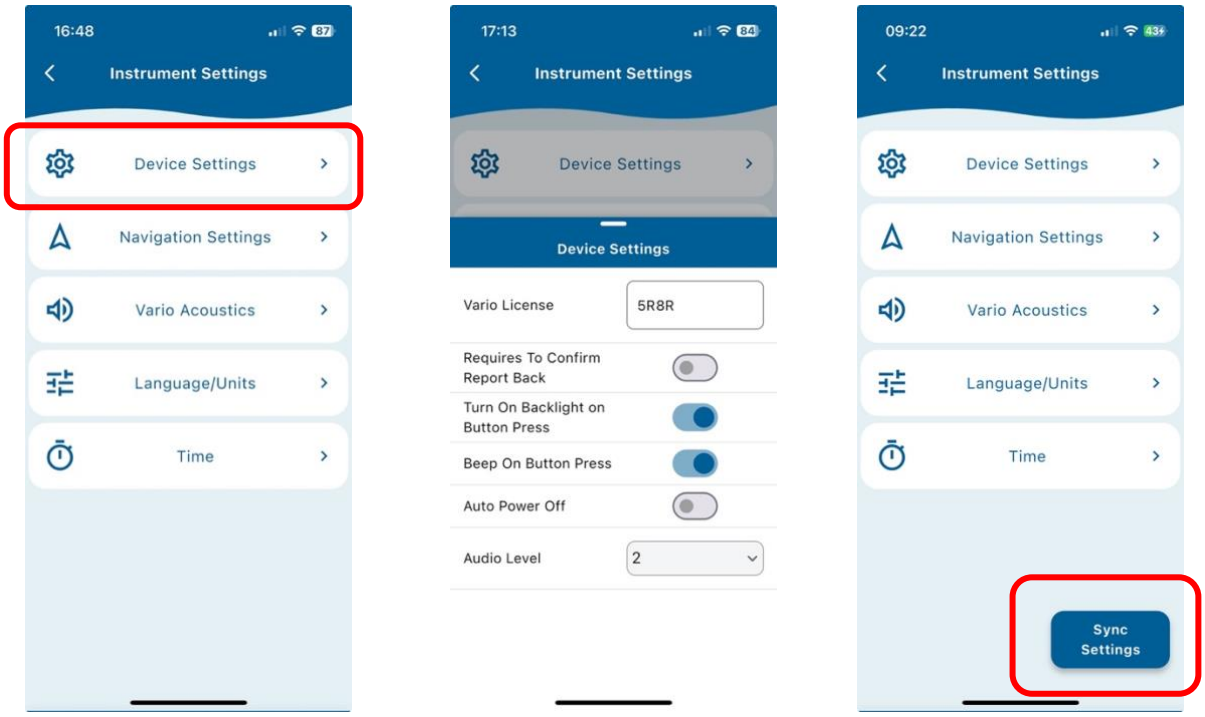
Device Settings

The available settings are:

- ***Vario Licence –*** This is the activation code for the variometer. In the **Basic** and **Advanced** versions, purchasing the acoustic variometer function is optional and can be acquired through the **Flymaster online store**. The activation code received by email after purchase must be entered here to enable the function.
- ***"Requires to Confirm Report Back"*** – When enabled, this option requires the pilot to press any key on the Live ONE to dismiss a message received on the device. Until a key is pressed, the message remains on the display. This is a safety measure to ensure that important messages (reports) are seen.
- ***"Turn On Backlight on Button Press"*** – Automatically activates the backlight whenever a key is pressed on the Live ONE.
- ***"Beep on Button Press"*** – Plays a sound effect each time a button is pressed.
- ***"Auto-Power Off" –*** A crucial function for **landing detection**. When the Live ONE detects that the pilot has landed, it automatically displays a **Report Back** menu.
- ***"Audio Level" –*** Sets the default volume level for Live ONE sounds, including the **acoustic variometer sound level**.

Important Reminder

Always perform **"Sync Settings"** to ensure that any changes you make are saved and applied correctly.



Navigation Settings

There are two options:

- ***Competition Mode –*** When enabled, the **Live ONE** cannot be powered off unless it is connected via **USB-C** to an external device, such as a computer or a power source.
- ***Start Speed –*** This is the speed threshold that, once exceeded, triggers the **Live ONE** to start recording the activity (flight or other). Until this speed is surpassed, the device will not begin recording or activate related functions, making this setting extremely important.

Important Reminder

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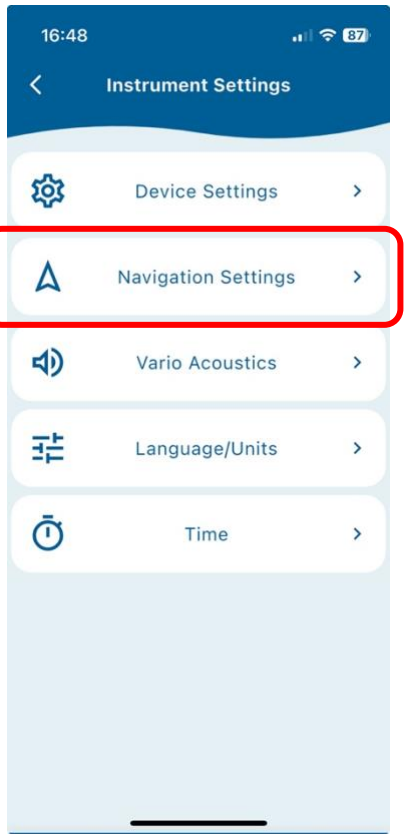
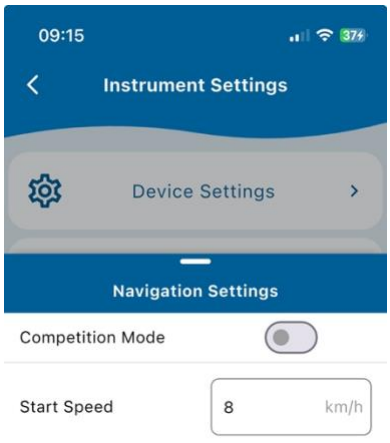
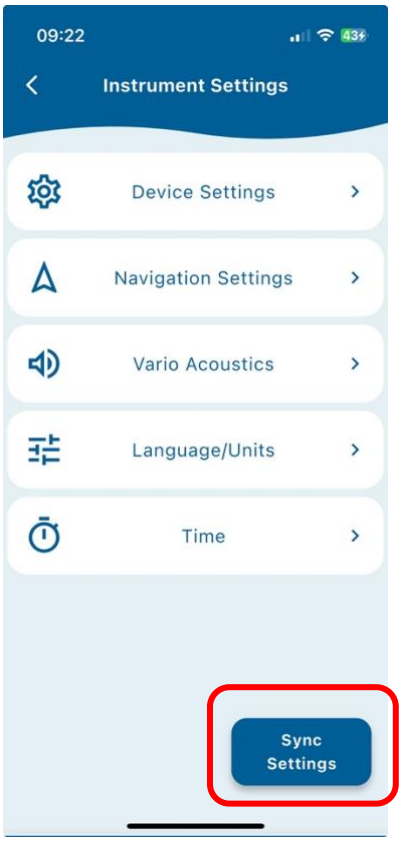






Vario Acoustics

Dynamic Frequency- The LIVE ONE beeps at a specified pitch (frequency) when a certain rate of climb is encountered. When dynamic frequency is zero, the pitch (frequency) of that beep will remain constant if the rate of climb changes. With dynamic frequency on, the pitch of the beep may vary if the rate of climb varies during the individual beep.

Damper - The LIVE ONE's vertical speed calculation is based on air pressure variations. It is very seldom to have air pressure absolutely stable. Turbulence caused by air moving near the sensor is sufficient to cause small variations in pressure. For this reason the LIVE ONE filters (averages) the pressure data to prevent constantly detecting tiny pressure variations. The value that defines how must the pressure is filtered is the Damper. Setting a lower damper value caused the LIVE ONE to become more responsive but harsher. Inversely a higher value causes the LIVE ONE to be less responsive but smoother. The default value is 6.

Auto Silent- Setting Auto silent option ON will keep the LIVE ONE 's vario quiet until a Start Flight has been detected. This function avoids listening the vario sound while waiting to take off. The audio will then be kept active until the LIVE ONE is switched off. The default value for the auto silent parameter is ON.

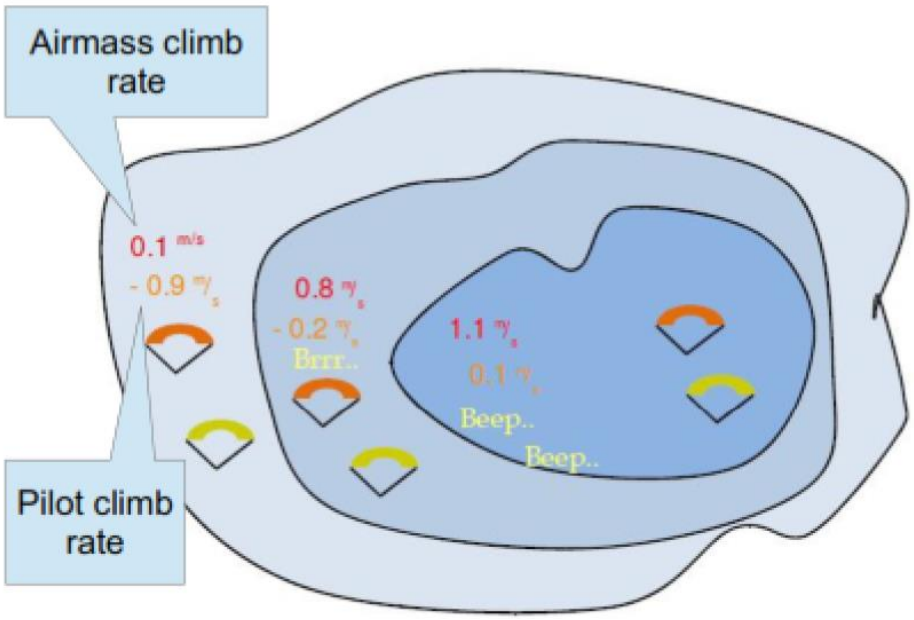
Climb Threshold - The Climb Threshold defines the rate of climb at which the vario will start beeping. The frequency of the first beep is defined trough the Base Frequency parameter, and steadily increases according the Increments parameter value.
The default value for Climb Threshold is 0.1m/s. This means that beeping starts once the instantaneous vario value goes above 0.1m/s.

Sink Threshold - The Sink Threshold is the rate of descent at which the vario will emit a low frequency sound. Contrary to the climb sound the sink sound is continuous. The deeper the sink rate the lower the sound frequency. Default value for this parameter is -2 m/s, we suggest setting a value lower than the natural sink rate of the glider when flying with speed bar in still air.

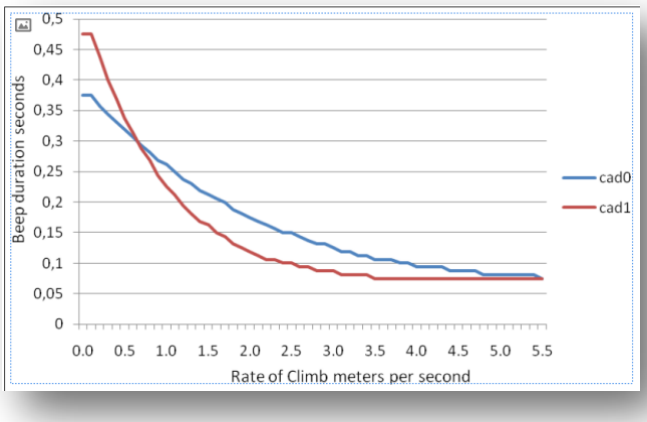
Buzzer - Is so called because of the sound it emits, which resembles a buzzing sound.
The buzzer sound is produced when the rate of climb is close to, but has not yet reached the specified Climb threshold. This value is set between 0 and 9 with each unit corresponding to be 0.1 m/s, ie. 3 is 0.3m/s. Subtracting this decimal value from the climb threshold will give us the value at which the LIVE ONE will start buzzing. For example with the LIVE ONE default values, Climb threshold=0.1m/s, and Buzzer=3 (0.3m/s) the buzzing with start at -0.2m/s because 0.1 - 0.3= -0.2. In this case at 0.1m/s directly below the Climb threshold the LIVE ONE will emit a constant sound varying rapidly in pitch from around 100hz to the set base frequency at which the first beep is emitted. This is the buzzer sound and may resemble a growl noise.

Setting the Buzzer value to “0” will disable the buzzer feature.
Although the Buzzer will sound very annoying on the ground it becomes an amazing companion in flight allowing the pilot to pick-up thermals he would have usually missed

A practical example of the advantages of the buzzer feature can be illustrated in Figure bellow In this example both pilots are sinking at -1.0 m/s. The orange paraglider has a LIVE ONE for which the climbing threshold is set to 0.1 m/s and the Buzzer parameter is set to 3 (0.3 m/s). The green paraglider has a typical vario for which the climbing threshold is set to 0.1 m/s.
As shown in the figure, when both pilots enter the thermal nothing is heard. The air is rising at 0.1 m/s but both pilots are descending at -0.9 m/s. In the second zone of the thermal the air is rising at 0.8 m/s, and so pilots are descending at -0.2 m/s. At this stage the orange pilot starts to hear the Buzzer “brrrrr” sound of his LIVE ONE , which helps him to centre the thermal, while the green pilot is still unaware of the thermal. Finally, in the 3 zone, the air is rising at 1.2 m/s, and so both pilots climb at 0.2 m/s. The LIVE ONE pilot starts to hear his vario beep... beep... sound, and it is only at this point the green pilot hears the first beep from his instrument.



Cadence - When a rate of climb is higher than that specified by the Climb threshold the LIVE ONE creates a beeping sound. The rate (cadence) of the beeps increases as the climb rate increases. This increase in rate is not linear. The cadence parameter specifies which cadence curve should be used. Current there are 2 possibilities represented in the graph of Figure bellow.



Base Frequency- The audio frequencies can be adjusted to match the user's preference, by setting the Base Frq and Increments.
The Base Frq is the first frequency used to produce the initial sound which corresponds to the climb threshold (by default 0.1 m/s). Later, as the climb rate increases, a bip, bip sound is produced for which the cadence, and frequency, also increase. The Base Frq can be set from 500 to 1500 Hz. The higher is the frequency value, the higher pitched the sound is.
In order to change the base frequency value press the ENTER key after the Audio Frequencies menu option is highlighted. This action will highlight the Base Frq value so it can be increased using the UP key, or decreased using the DOWN key. The ENTER key should then be pressed, thus confirming the Base Frq setting. The pre-set value for Base Frq is 700 Hz.

Frequency Increments- The Increments parameter sets the frequency increment for each 0.1 m/s climb rate increase. The increments can be set from 1 to 99 Hz. The pre-set value for Increments is 10 Hz.
Considering an Increments value of 10, and Base Frq of 700 Hz, the vario frequency at 1 m/s is 800 Hz.

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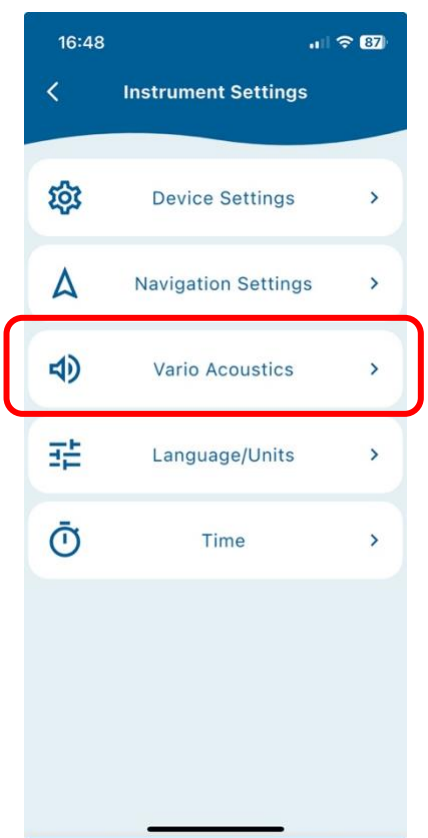

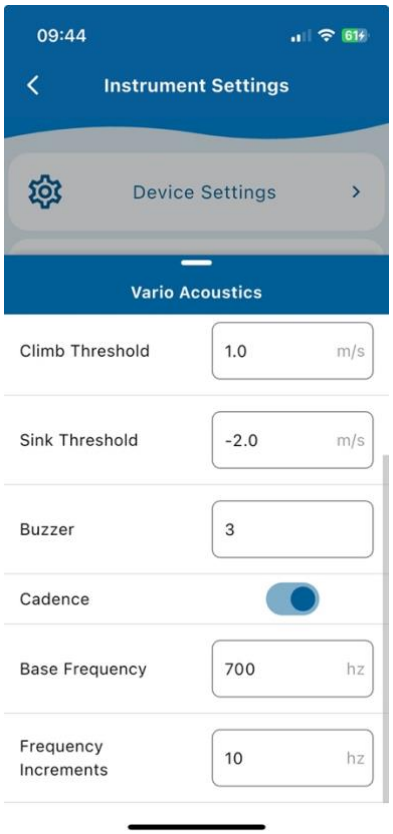

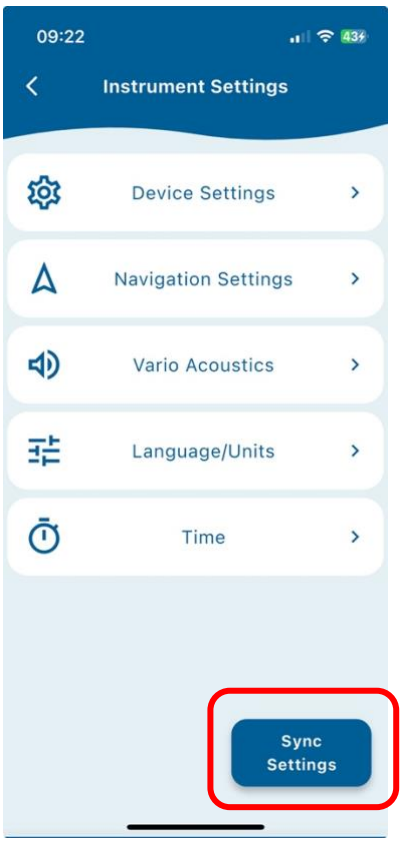

Language/units

In this menu, you can configure the **units** used for **altitude** and **speed** displayed on the Live ONE.

In the future, the **Live ONE language** will also be adjustable.

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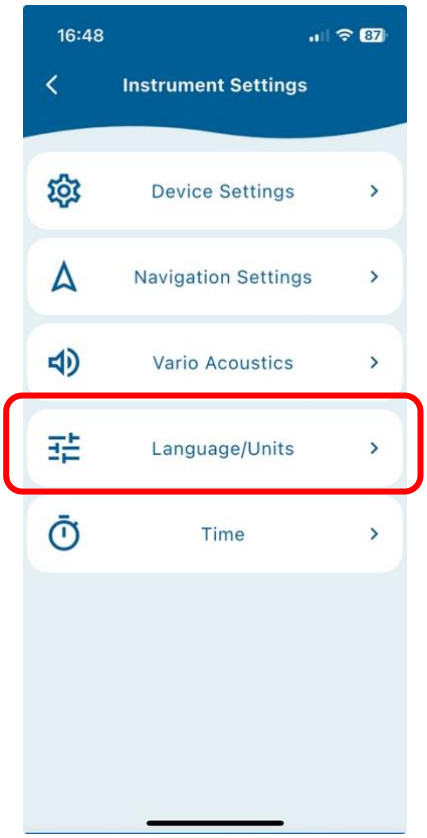
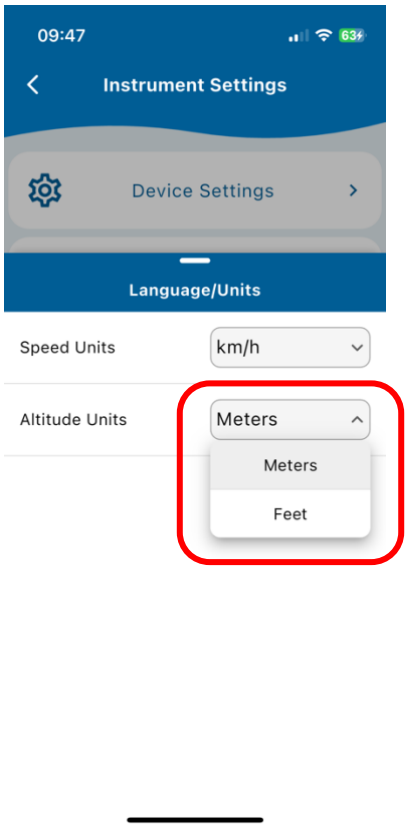
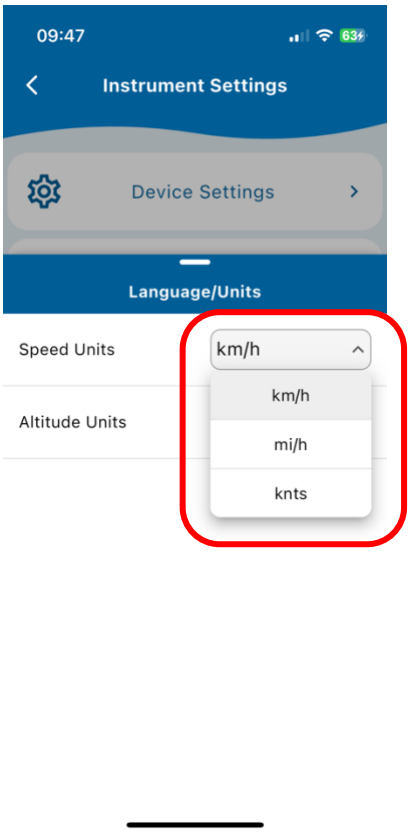






Time

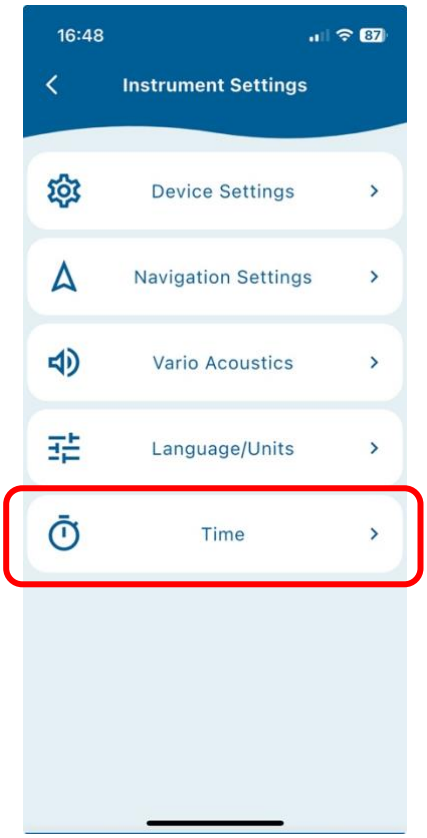
Track Interval – Defines the time interval at which each **trackpoint** is recorded in the internal memory and displayed in real-time on **Flymaster's Live Tracking** portal.

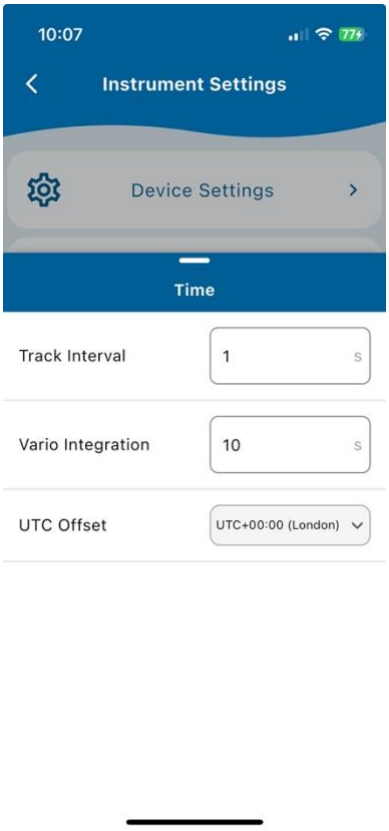
Vario Integration – The **integrated variometer** calculates vertical speed by averaging it over a period of **X seconds**, set by this value. For example, with a default value of **5 seconds**, the vertical speed is smoothed over this period.

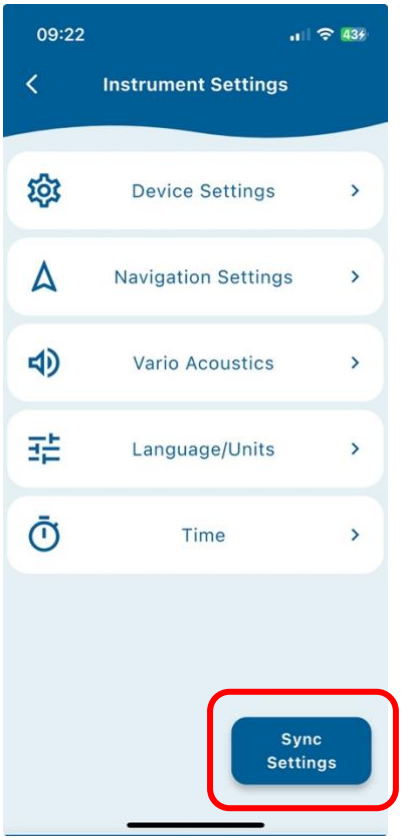
UTC Offset – Using **GPS data**, the Live ONE automatically adjusts its internal clock to **Universal Coordinated Time (UTC)**.

Important Reminder

Always perform **"Sync Settings"** to ensure that any changes you make are saved and applied correctly.







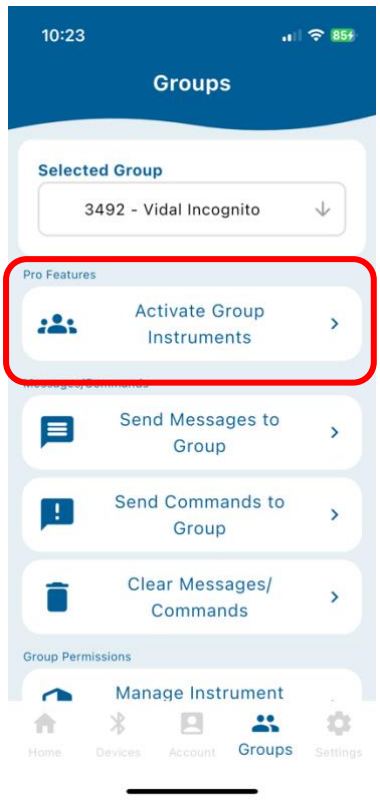
Groups

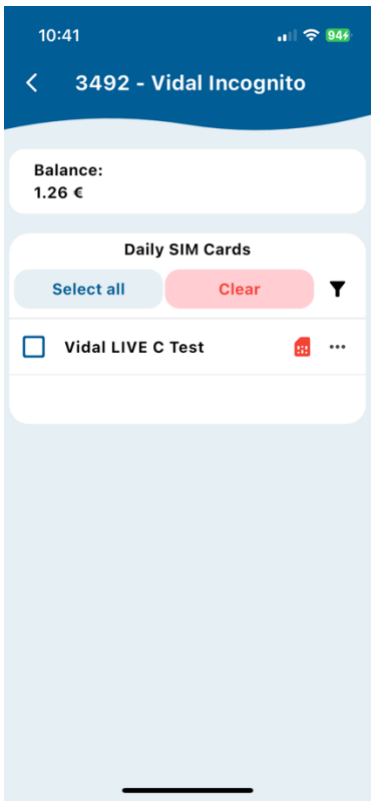
The **"Groups"** tool in **Flymaster Link** is highly useful, providing several features for managing your **private tracker group** or a **professional tracker fleet**.

- ***Creating Groups & Inviting Trackers*** – Group creation and tracker integration invitations must be managed via the **lt.flymaster.net** or **livetrack360.com** platforms.
- ***PRO Account Assignment –*** The **PRO** account status is assigned by **Flymaster** and is only available for **large organizations**.

After selecting the group you want to manage (make sure you have **ownership** and control permissions on **lt.flymaster.net** or **livetrack360.com**), you will have access to the ***"Activate Group Instruments"*** tool.

- **This feature is only available for PRO accounts.**
- It allows you to activate the **SIM service** for each tracker for a specific period.
- Displays the available **balance** for operations.





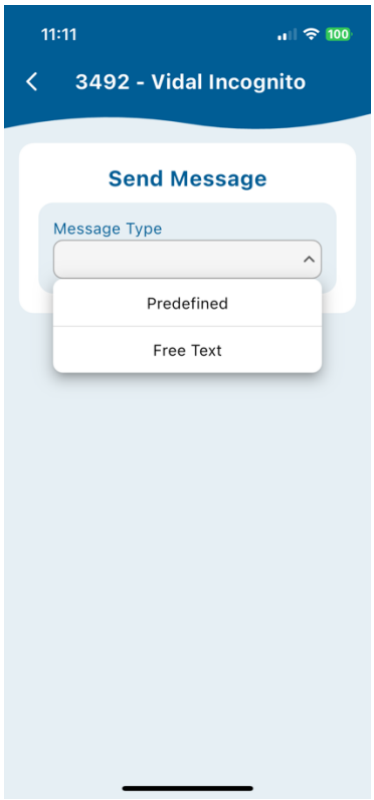
Send messages to group

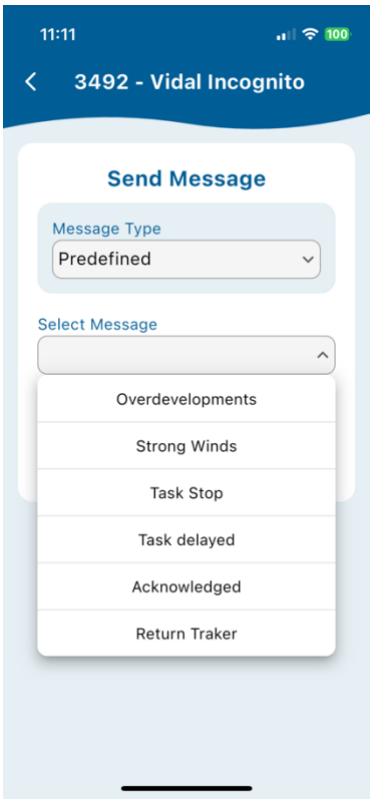
This tool allows you to send messages to the **Live ONE** devices in your group. Messages will be displayed on the screen **with or without a sound alert**, depending on the settings chosen by the **group manager**.

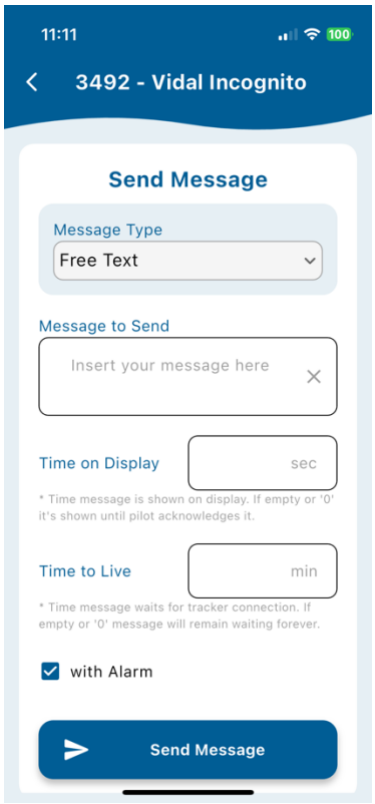
- You can send **predefined messages** or **custom text messages** (up to **32 characters**).
- A **delay** can be set for message delivery.

The **"Time to Live" (TTL)** setting defines how long the system will wait for a message to be successfully received by the target **Live ONE** devices.

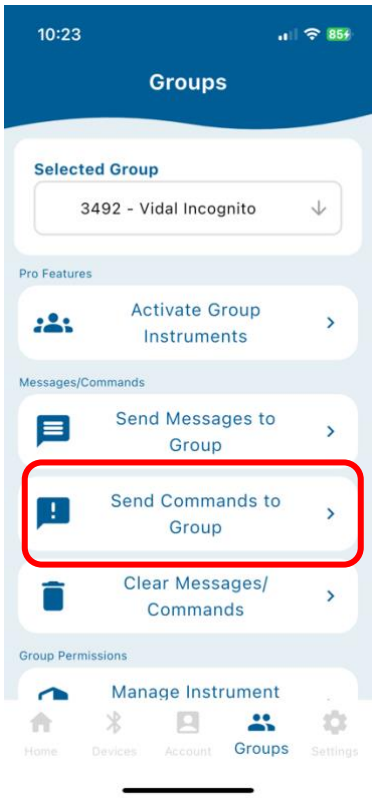
- If the field is **empty or set to "0"**, the system will **wait indefinitely** until the message is delivered.
- If a specific time is set (e.g., **5 minutes**), and the message is not received within that period, it will **expire** and no longer be delivered.

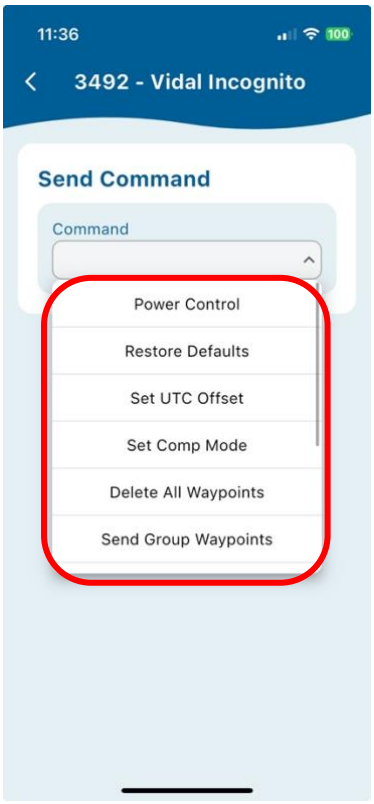






Send Commands to Group





The **"Send Commands to Group"** tool allows you to send **remote commands** to control the group devices.

- Some commands are **critical** and can impact device operation.
- This tool should be used with **extreme caution** to avoid unintended changes.

The ***Power Control*** command allows you to remotely:

- **Reset** the device.
- **Power off** the device.
- **Force flight interruption**, stopping the tracklog recording.

⚠ **Use with caution**, as these actions can impact ongoing operations.

The "***Restore Defaults***" command allows you to **reset all settings** on the **Live ONE** devices to their **factory default** configuration.

⚠ **Use with caution**, as this will erase any custom settings or configurations.

The "***SET UTC Offset***" command allows you to **remotely configure the UTC offset** for the **Live ONE** devices in your group.

This ensures that the internal clocks of all devices are synchronized with the correct **Universal Coordinated Time (UTC)**.

The "***SET COMP MODE***" command remotely configures the **Live ONE** devices to **competition mode**.

In **competition mode**, the devices cannot be powered off without being connected to a **USB cable** and an external device, such as a computer or power source.

Delete All Waypoints

The **"Delete All Waypoints"** command sends an instruction to the **Flymaster server** and the **group management system** to **erase all waypoints** associated with the group you are managing.

Send Group Waypoints

The **"Send Group Waypoints"** command transmits waypoints to all devices in the group.

- **For the Live ONE, this function does not apply**, as it does not support waypoint management.
- However, other **Flymaster devices** that support waypoint management can receive and process these data.

Delete all Flights

The **"Delete All Flights"** command sends an instruction to **erase all tracklogs** from the group's activities, including the **tracklogs stored in the internal memory** of the group's devices.

⚠ **This is a critical action and should be used with extreme caution.**

Set Track Interval Command

The **"Set Track Interval"** command sends a remote instruction to all devices in the group, allowing you to configure the **tracklog recording interval** remotely.

Set Start Speed Command

The **"Set Start Speed"** command sends a remote instruction to all devices in the group, allowing you to configure the **speed threshold** that triggers the start of an activity.

Enable/Disable Freefall Detection Command

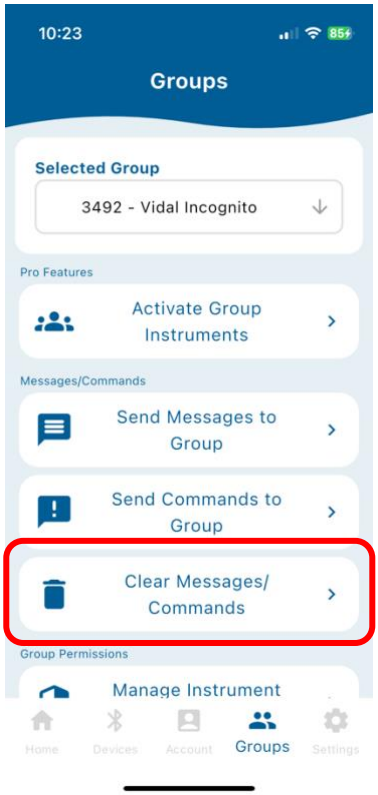
The **"Enable/Disable Freefall Detection"** command sends a remote instruction to all devices in the group, allowing you to **activate or deactivate accident detection**.

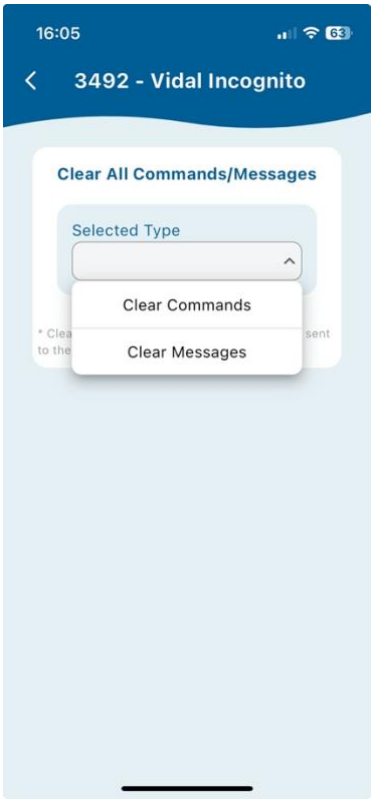
Fetch Task From Group

Clear Messages / Commands

This function allows you to **delete ALL pending messages and commands** for the group you manage.

- You can apply this action to **all devices in the group** or **only to specific devices**.



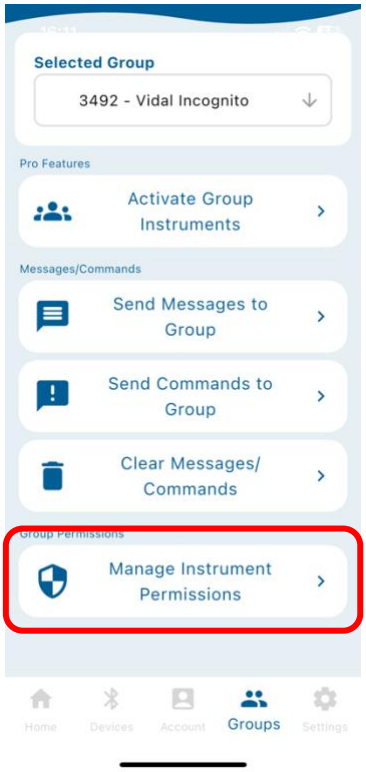


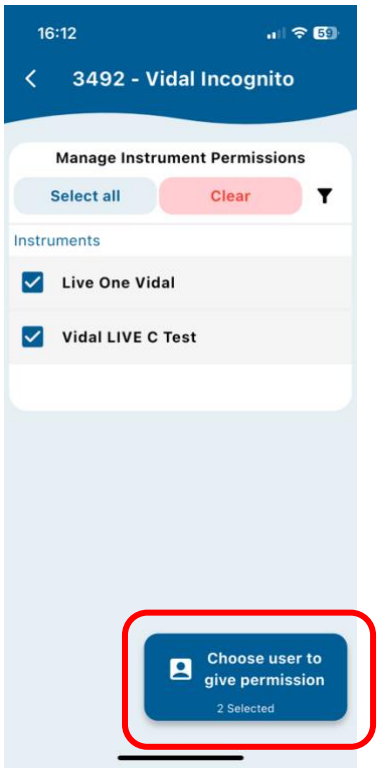
Manage Instrument Permissions

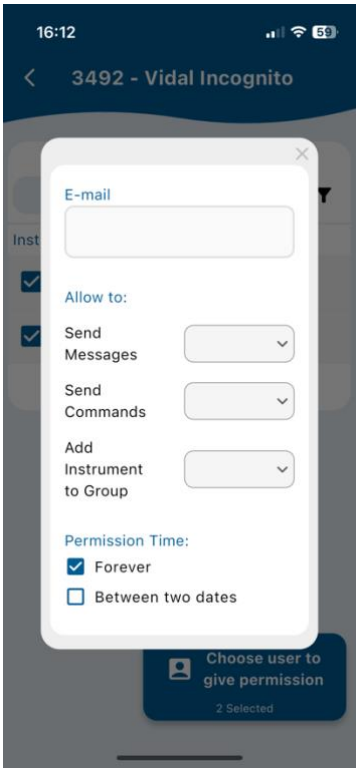
The **"Manage Instrument Permissions"** tool allows you to grant permissions to other **Flymaster platform users** to control **trackers** and devices you own, effectively giving them control over those devices even if they are not the owners.

- To grant permissions, you must enter the **Flymaster user email** of the person you wish to give control to.
- You can choose to **allow or restrict certain functions**, such as sending messages, sending commands, and allowing the addition of a device to another group.

⚠ **This tool is powerful and should be used with the utmost caution.**







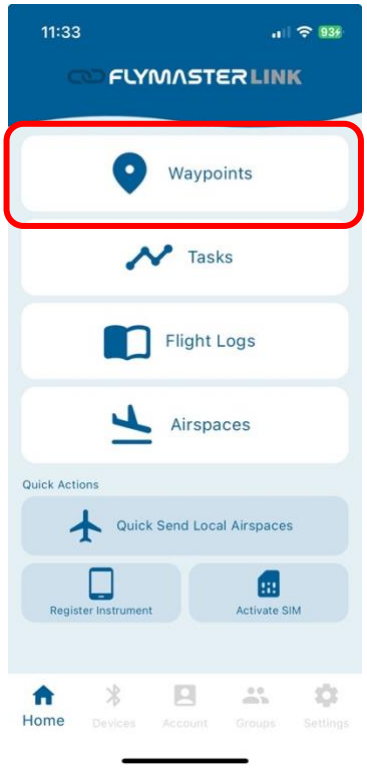
Waypoints (Flymaster Link)

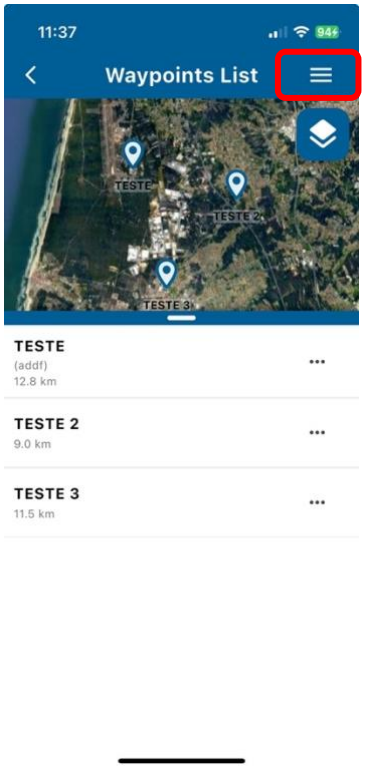
In Flymaster Link, you can manage waypoints to send them to your Flymaster devices/instruments. When interacting with the LIVE ONE, waypoint management is especially important for creating tasks to be sent to the device.

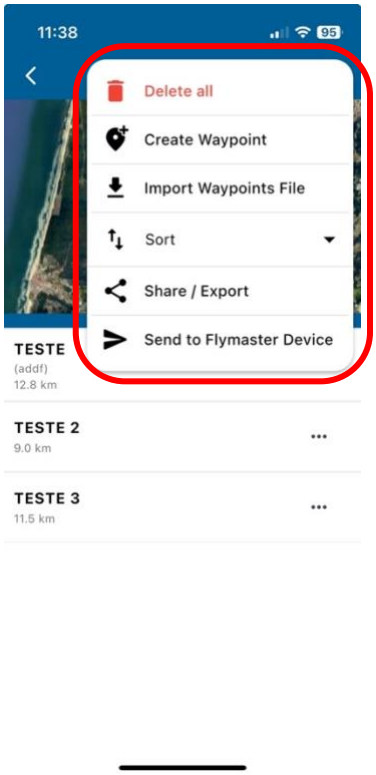
- ***Delete all waypoints –*** You can remove all stored waypoints at once.
- ***Create waypoints from the map –*** Select a location directly on the map to create a new waypoint.
- ***Create waypoints by entering coordinates –*** Manually input latitude and longitude to add a waypoint.
- ***Import waypoint files –*** Load waypoints from external files into the system.
- ***Sort waypoints by name or distance –*** Organize your waypoints alphabetically or based on proximity.
- ***Export waypoints to GPX or WPT –*** Save your waypoints in GPX or WPT file formats for use in other applications or devices.
- ***Send waypoints to your Flymaster device –*** Transfer waypoints to your Flymaster instrument for navigation.

Important Note for LIVE ONE Users

Unlike other Flymaster instruments, the LIVE ONE can only receive a task, not a single waypoint.



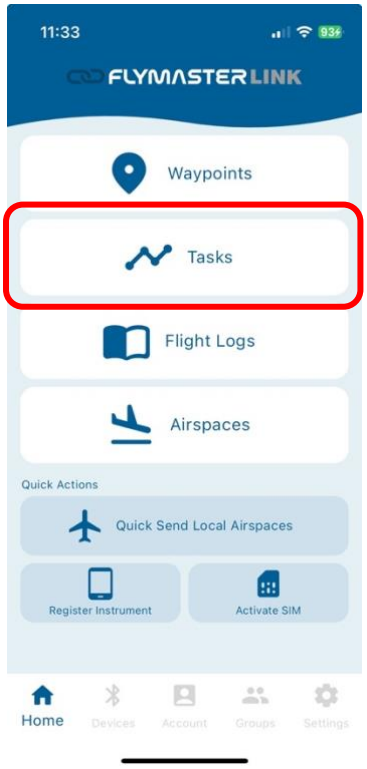


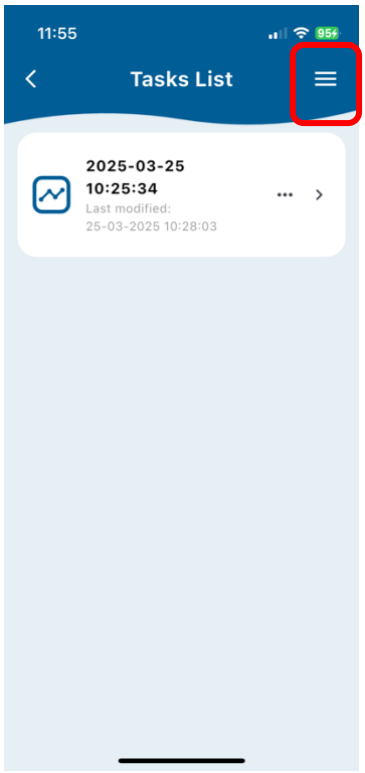


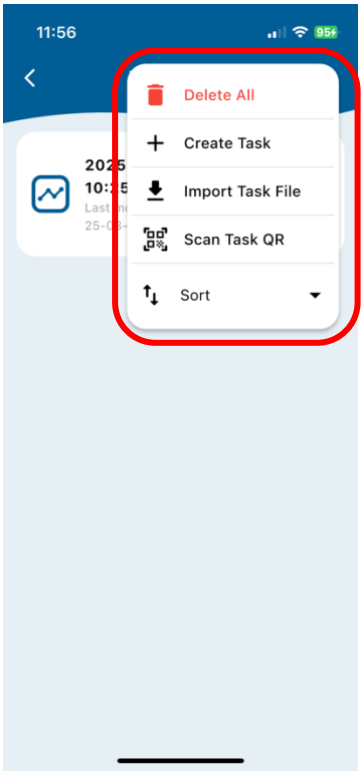
Tasks (Flymaster Link)

In the **TASKS** tool, once tasks are created, you can perform several actions on them:

- ***Delete all tasks at once* –** Remove all saved tasks in a single action.
- ***Create a new task* –** Manually set up a new task.
- ***Import a task file* –** Load a previously saved task from a file.
- ***Scan a task via QR code* –** Digitally add a task by scanning a QR code.
- ***Sort tasks by name or last modified date* –** Organize your task list alphabetically or by the most recent changes.



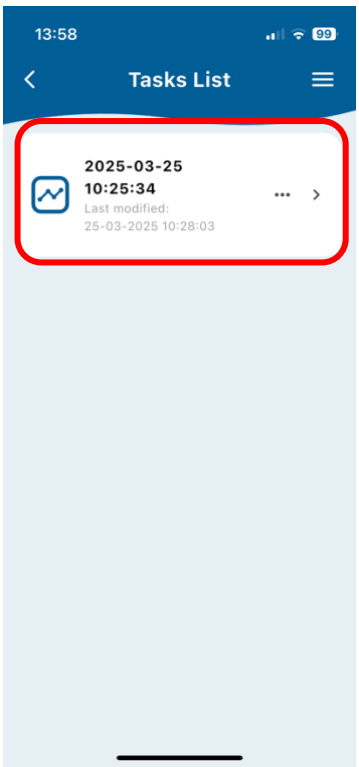


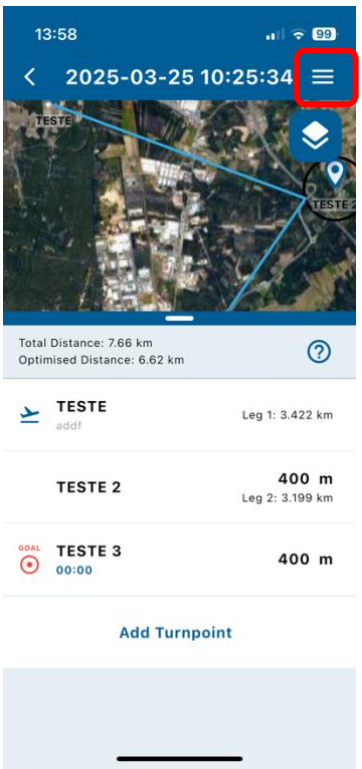


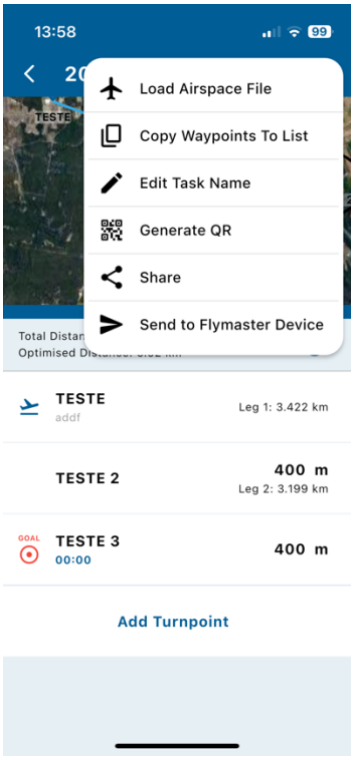
Tasks Actions (Flymaster Link)

When accessing a task, you can perform several actions, including:

- ***Load the airspace of the task location –*** View the airspace on the map to check for potential violation risks.
- ***Copy the task waypoints to your waypoint list*** – Add the waypoints from the task to your general waypoint collection.
- ***Edit the task name –*** Modify the name of the task for better organization.
- ***Generate a QR code for the task –*** Create a QR code to share the task easily with others.
- ***Share the task file (.tsk) –*** Send the task file in .tsk format to other users or devices.
- ***Send the task to your LIVE ONE –*** Transfer the task to your LIVE ONE device for navigation.



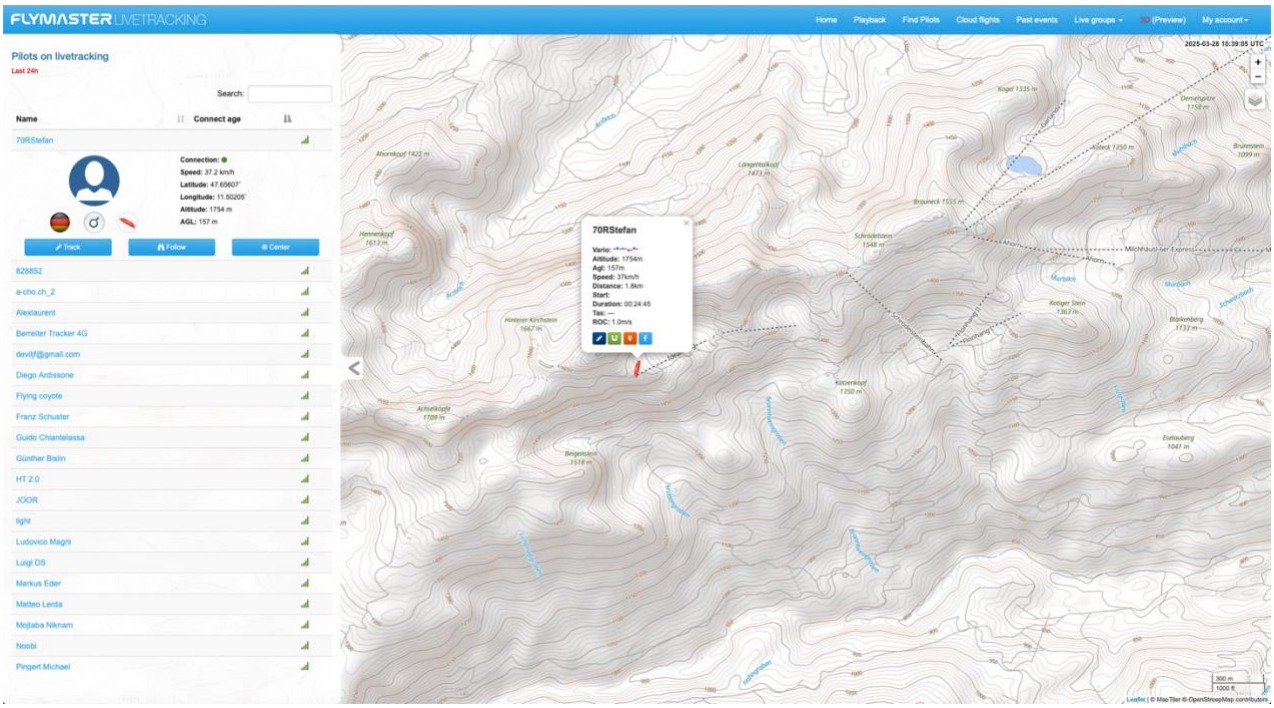


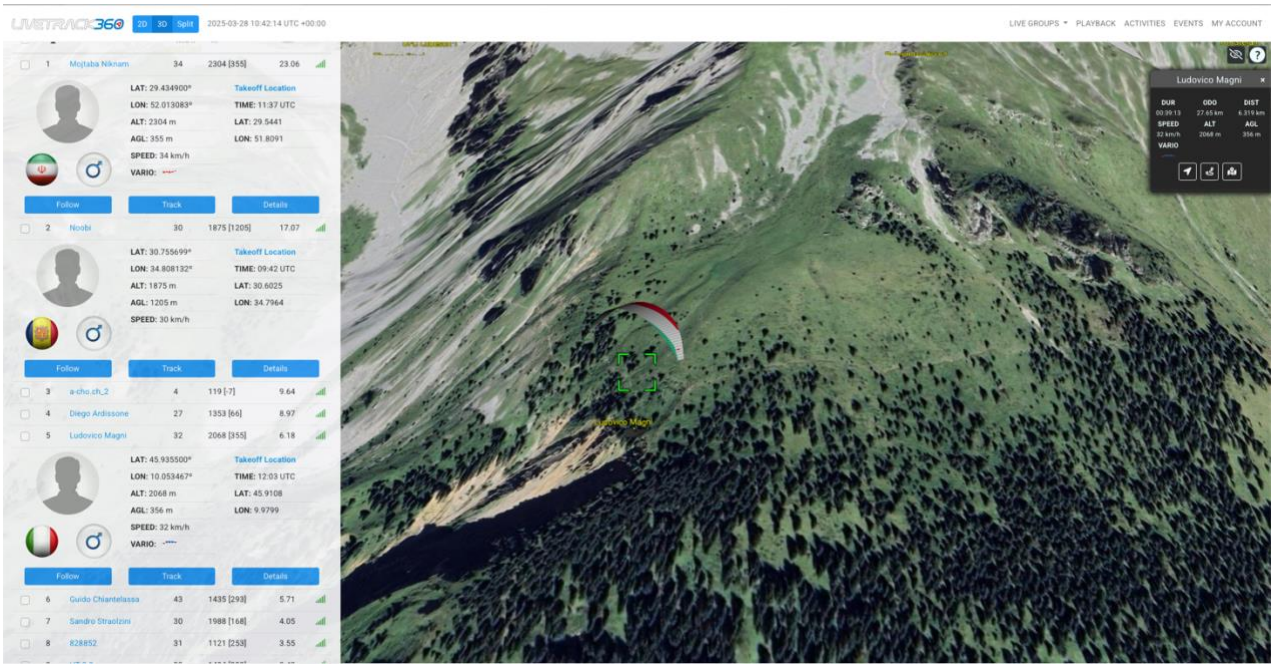


Livetracking

To view **Flymaster LiveTracking** in your browser, follow these steps:

1. **Access the Flymaster LiveTracking website**
   - Open a browser and go to https://lt.flymaster.net
2. **Select the competition or pilot**
   - If you're following a specific competition, click on the **"Competitions"** tab and select the event.
   - To track an individual pilot, use the **"Pilots"** tab and search by name or equipment number.
3. **Follow the flight in real-time**
   - Once you've selected the event or pilot, a map will load showing their real-time position.
   - You can zoom in, switch map layers, and view flight details.
4. **View LiveTracking in 3D**
   - For a more immersive experience, you can view flights in **3D** on https://www.livetrack360.com.
   - This mode allows you to track altitude and flight trajectory with a three-dimensional view.
5. **Additional settings**
   - Some events offer filters to view different pilot categories.
   - You can activate the replay option to review the flight path.




LIVETRACK360
2D
3D
Split
LIVE GROUPS
PLAYBACK
ACTIVITIES
EVENTS
MY ACCOUNT
Ludovico Magni
Follow
Track
Details
Takeoff Location

Download Flights

1. Access Your Flymaster Account

- Open a browser and go to the Flymaster website: https://lt.flymaster.net.
- In the top right corner, click **"Login"**.
- Enter your credentials (**email and password**) and log in.
- If you don’t have an account yet, you can create one by clicking **"Sign Up"**.

2. Access Your Activities

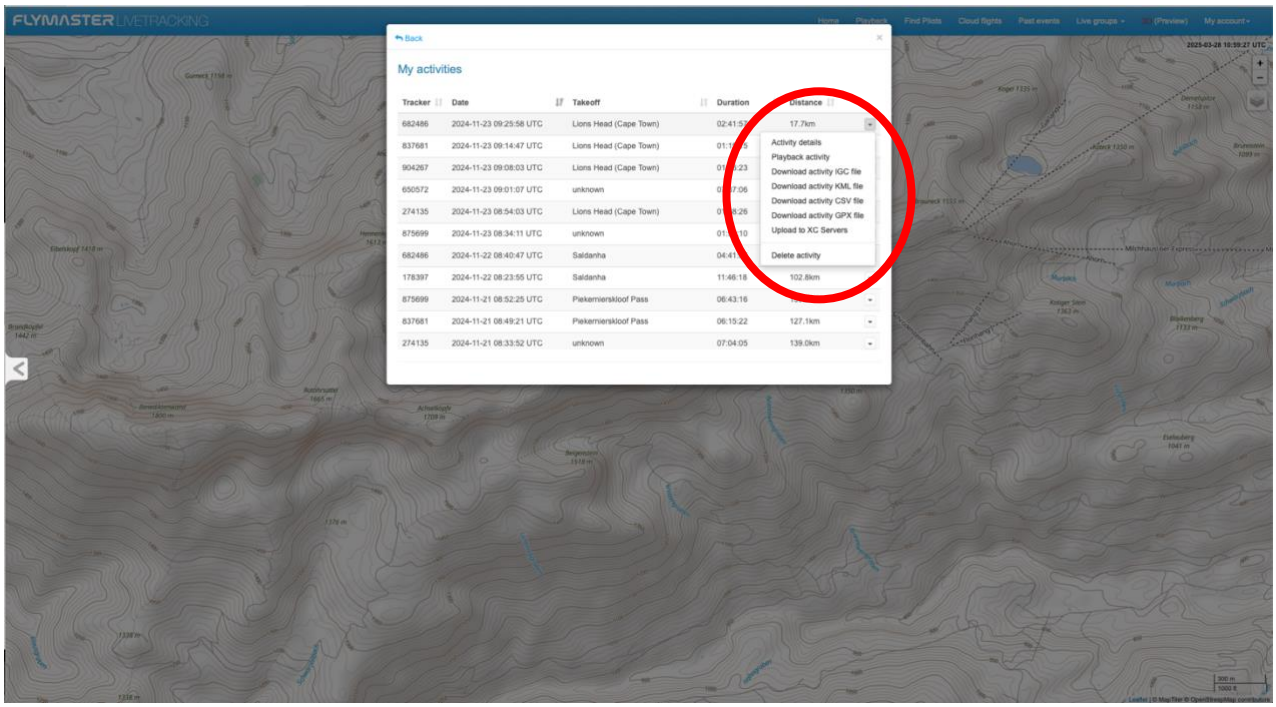
- Once logged in, go to the menu and click **"My Activities"**.
- A list of all flights recorded by your Flymaster device will appear.
- You can sort and filter flights by date, duration, or location.

3. View and Analyze a Flight

- Click on a specific flight to see details such as track, altitude, speed, and other flight data.
- The flight will be displayed on a map, where you can switch between different layers and viewing modes.

4. Download GPX, KML, and IGC Files

- On the flight page, look for the **"Download"** or **"Export"** option.
- Choose the desired format:
  - **GPX** – for use in GPS navigation apps.
  - **KML** – for viewing in Google Earth.
  - **IGC** – the official format for competitions and flight validation.
- The file will be downloaded to your device.


FLYMASTER LIVETRACKING
Back
My activities
Tracker
Date
Takeoff
Duration
Distance
682486 2024-11-23 09:25:58 UTC Lions Head (Cape Town) 17.7km
837681 2024-11-23 09:14:47 UTC Lions Head (Cape Town)
904267 2024-11-23 09:08:03 UTC Lions Head (Cape Town)
650572 2024-11-23 09:01:07 UTC unknown
274135 2024-11-23 08:54:03 UTC Lions Head (Cape Town)
875699 2024-11-23 08:34:11 UTC unknown
682486 2024-11-22 08:40:47 UTC Saldanha
178397 2024-11-22 08:23:55 UTC Saldanha 11:46:18 102.8km
875699 2024-11-21 08:52:25 UTC Piekenierskloof Pass 06:43:16
837681 2024-11-21 08:49:21 UTC Piekenierskloof Pass 06:15:22 127.1km
274135 2024-11-21 08:33:52 UTC unknown 07:04:05 139.0km
Activity details
Playback activity
Download activity IGC file
Download activity KML file
Download activity CSV file
Download activity GPX file
Upload to XC Servers
Delete activity

Setting LIVEONE as external sensor in XCtrack

1. Connect the Live One to the Phone via Flymaster Link

1. **Turn on the Flymaster Live One**.
2. On your phone, **open the Flymaster Link app** (available for Android).
3. In Flymaster Link, **search for the Live One** and connect to it via Bluetooth.

2. Set Up XCTrack to Use the Live One

1. **Open XCTrack** on your phone.
2. Go to **Settings**.
3. Tap **Connections and Sensors**.
4. Select **Flymaster Live** as the sensor type.
5. XCTrack will recognize the active connection through Flymaster Link and automatically connect to the Live One.

3. Verify and Adjust the Settings

- Once connected, check if the Live One's data (altitude, climb rate, etc.) is displayed correctly in **XCTrack**.
- If there are connection issues, **restart the phone, the Live One, and the Flymaster Link app**, then try again.

With this setup, **XCTrack** will use the data from the **Live One** to improve navigation and variometer accuracy.