SKYTRACKER PRO
QUICK START GUIDE

Thank you for choosing **SkyTracker PRO**.

SkyTracker PRO is a compact flight data logger designed for RC aircraft, specifically developed for pilots who want to analyze their flights, improve precision, and review performance after each session.

Using an integrated GPS system and onboard data logging, SkyTracker PRO records the complete flight trajectory and stores the data on a Micro SD card for later analysis.

The device requires no configuration. Simply insert the SD Card, connect the power, install it to your aircraft, and start flying.

CONTENT

Each SkyTracker PRO package includes the following components:

- **SkyTracker PRO Device**
  The main GPS flight logger unit.
- **Power Cable**
  Cable used to supply power to the unit [3-6S].
- **Micro SD Card + Adapter**
  Used to easily transfer recorded data to a computer.
- **Balance Adapter** (Optional)
  Adapter cable allowing connection to a battery balance port. Use this option if you prefer to draw power directly from your main flight battery.

1 INSERT MEMORY CARD

Before using the device, insert a Micro SD card into the SD card slot.
Make sure the card orientation is correct (see picture) and gently push the card into the slot until it is fully seated.
The gold contact pins must face upward, towards the SkyTracker PRO front cover.

SD Card Requirements:
Use a Micro SD card with a minimum Class 10 OR UHS-1 speed rating. Cards larger than 32GB are not recommended.

The SkyTracker PRO stores all flight data on the Micro SD card. If no SD card is inserted, the device will still operate normally, but no flight data will be recorded or saved.

2 CONNECT POWER

The SkyTracker PRO requires a 3–6S LiPo power source (approximately 11.1–22.2V) to operate.

The device can be powered by:

- A dedicated battery
- The balance port of the main flight battery

The recommended connector type is Futaba-style.
When connecting the cable, ensure the ground wire faces in the same direction as the arrow on the device.
Make sure the connector is fully seated before switching on.

3 INSTALL THE DEVICE IN THE AIRCRAFT

Install the SkyTracker PRO inside the aircraft. The device must be installed with the arrow pointing in the direction of flight (towards the nose of the airplane).

Place the SkyTracker PRO on a flat and stable surface inside the fuselage. For best results, install the device as level as possible with the aircraft and ensure it is firmly secured.

For best GPS reception, it is recommended to install the SkyTracker PRO away from carbon fiber structures, batteries, or large electronic components whenever possible.

Note: The SkyTracker PRO has been extensively tested in typical model aircraft installations, including locations close to batteries and electronics, with reliable performance.

4 POWER ON THE DEVICE

Once the power supply is connected and the device is secured inside the aircraft, turn the SkyTracker PRO switch to the ON position. The switch operates as follows:

Backward (away from the arrow) → **OFF**

Forward (towards the arrow on the device) → **ON**

When powered, the green LED will turn on and remain solid while the device searches for GPS satellites.

Within about 60 seconds, once the GPS position is acquired, the **green LED** will begin blinking. When the LED is blinking, the SkyTracker PRO is ready to record flight data.

Note:
When flying in a new location, the first GPS lock may take slightly. When flying again in the same location, the device remembers the previous satellite data and will usually lock faster.

If the LED stays solid after 60 seconds mov to an open outdoor area away from buildings, trees, or other obstructions and wait a moment. GPS signal requires a clear view of the sky.

5 RECORD FLIGHT DATA

Once the SkyTracker PRO has acquired a GPS signal and the green LED is blinking, it is ready to record your flight.

The device will automatically start logging flight data when the aircraft takes off. This helps reduce unnecessary data storage while the aircraft is on the ground.

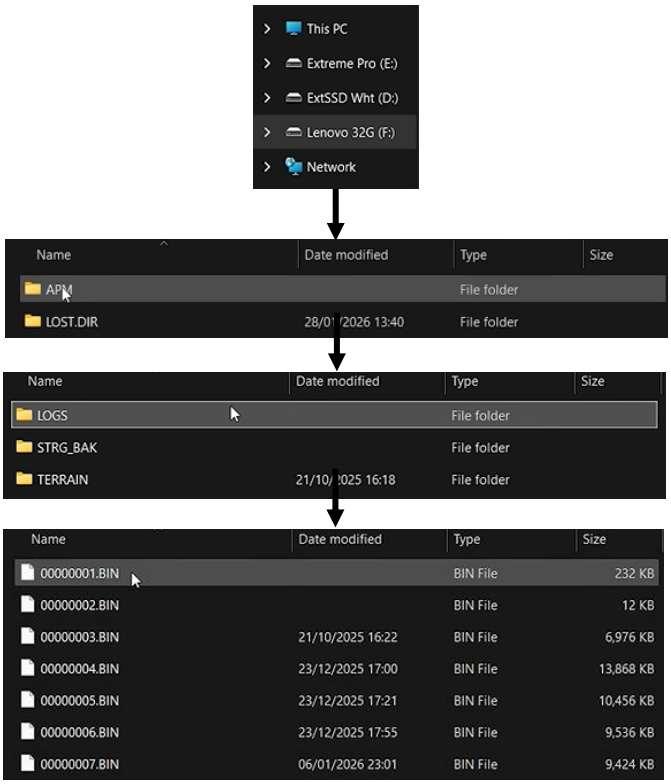
During the flight, the SkyTracker PRO continuously records the attitude (orientation) and flight trajectory. When the device is switched OFF or disconnected from power, it will save the flight log on the Micro SD card.

Note:
Each flight requires a power cycle (OFF → ON) to start a new log file.

6 RETRIEVE DATA & ANALYSIS IN FLIGHT COACH

After the flight, turn the SkyTracker PRO switch to the OFF position.
Once the device is powered OFF, remove the Micro SD card from the SkyTracker PRO and insert it into your computer using a Micro SD adapter or card reader.

Open your file manager (File Explorer on Windows, Finder on Mac) and locate the SD card directory. Inside, you will find your flight log files saved as .BIN files. These can be loaded directly into Flight coach, where you can visualize your flight path, review maneuvers, and analyse performance in detail.



For a step-by-step walkthrough on how to process your data in Flight coach, watch our video tutorial:

Click here → **YOUTUBE VIDEO LINK**

More information about Flight Coach is available at: **flightcoach.org**