



FLIGHTX JUMP - GARMIN FENIX 6 - SIDELOAD BUILD v1.1

# Install & Operation Manual

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A skydiving altimeter, phase tracker and logbook pen that lives on your wrist. This edition: the GPS-sync build.

- Live altimeter, vertical speed, phase detection, HR & G
- Pull / Swoop alarms - 25 Hz G-force in freefall
- No-cable sync to the FlightX app (pair once on the watch)
- Every jump still saves a normal Garmin FIT activity

## READ BEFORE JUMPING

This app is a training and logging aid. It is NOT a substitute for your certified altimeter, audible, or AAD, and it makes no jump / no-jump calls. Fly your plan, watch your altitude on your primary instruments, and follow your dropzone's rules.

# Install / Update The Watch App

You are updating to the latest build. The steps are the same whether it is a fresh install or an update - the new file simply replaces the old one. Needs a computer and the watch's USB charging cable (about 2 minutes).

## 1. Pick YOUR file

Check your exact model (back of the watch, or Settings > System > About), then use the ONE matching .prg from this pack:

- FlightXJump-fenix6.prg - Fenix 6 / 6 Solar / 6 Dual Power
- FlightXJump-fenix6s.prg - Fenix 6S / 6S Solar / 6S Dual Power
- FlightXJump-fenix6pro.prg - Fenix 6 Pro / Sapphire / 6 Pro Solar
- FlightXJump-fenix6spro.prg - Fenix 6S Pro / Sapphire / 6S Pro Solar
- FlightXJump-fenix6xpro.prg - Fenix 6X Pro / Sapphire / 6X Pro Solar

(Wrong file = the app just will not appear. No harm done - try another.)

## 2. Copy it onto the watch

### 1 Plug in via USB

Connect the watch to the computer with its charging cable. It mounts like a USB stick.

### 2 Open GARMIN > APPS

On the watch drive, open the GARMIN folder, then the APPS folder.

### 3 Delete the OLD FlightXJump first

IMPORTANT for an update: remove the existing FlightXJump .prg before copying the new one, so the app is not listed twice.

### 4 Copy YOUR new .prg in

Drag your one matching .prg into the APPS folder.

### 5 Eject + unplug

FlightX Jump now appears in the watch's activity / apps list, updated.

# Watch Settings & Pairing

## Watch settings that matter (set once)

- RECORD EVERY SECOND: Settings > System > Data Recording > Every Second. (Garmin's "Smart" default leaves 4-7 second gaps - useless for a 60-second skydive.)
- SCREEN STAYS ON IN THE JUMP: Settings > System > Backlight > During Activity > Does Not Time Out.
- SILENCE NOTIFICATIONS before boarding: hold the LIGHT button > toggle Do Not Disturb (an app cannot do this for you).

## Pair with the FlightX phone app (the no-cable sync)

Pair once and every saved jump posts itself into your FlightX logbook within seconds - with its GPS track - no cable, no export. (Sideloaded apps have no phone-side settings page, so the code is entered ON THE WATCH.)

### 1 Get the code

Phone: FlightX app > Connected Devices > Garmin Watch Sync. Note the 6-character pair code.

### 2 Open FlightX Pair on the watch

Watch: open FlightX Jump > hold UP (the MENU button) > select FlightX Pair.

### 3 Dial it in

UP / DOWN change the highlighted character, START moves to the next one. START on the last character SAVES (BACK steps left / cancels).

### 4 Confirm

Save a jump and feel for a double-buzz on the wrist - that means it landed in your FlightX inbox. "Unpair FlightX" in the same menu clears the code.

# The Screens & The Buttons

## Three screens (short-press UP / DOWN to page)

FULL	The all-in-one dashboard: vertical speed, phase banner, big altitude, heart rate + G-force, your PULL / SWOOP alarm heights, and GPS status.
ALTI	A big, clean altimeter - huge altitude with vertical speed above and the phase below. The glance-and-go screen.
VITALS	Heart rate, G-force, peak fall speed, GPS quality and your freefall time so far.

## The phase banner (colour = where you are)

- GROUND (grey) -> CLIMB (blue) -> FREEFALL (red) -> CANOPY (green) -> LANDED (yellow). It flips automatically from your altitude and vertical speed - you fly, the watch keeps the score.

## The buttons

START (TOP-RIGHT)	Start recording. While recording, STOP needs a confirm (see overleaf).
UP (MID-LEFT)	Short press: page between FULL / ALTI / VITALS. HOLD: open the Options menu.
DOWN (LOW-LEFT)	Short press: page the other way.
LIGHT (TOP-LEFT)	Backlight (and hold for the watch controls / Do Not Disturb).
BACK (LOW-RIGHT)	Exit the app. Any active recording is saved on exit - it will not be lost.

# The Options Menu

Hold UP (MENU) at any time to open it. No phone or Garmin Connect needed for any of this.

<b>PULL ALARM</b>	The altitude your wrist flashes amber + buzzes at under canopy (presets 2500-5000 ft, default 3500).
<b>SWOOP ALARM</b>	A lower alarm that flashes red + buzzes (presets 500-1500 ft, default 1000).
<b>ZERO AT GROUND</b>	Sets your current altitude as 0 - the altimeter then reads true height above the DZ (AGL). Do this on the ground before boarding.
<b>CLEAR ZERO (MSL)</b>	Removes the ground zero - altitude returns to raw sea-level (appears only once zeroed).
<b>ALARM VIBRATE</b>	Turn the pull / swoop buzz on or off.
<b>ALTITUDE IN METRES</b>	Switch the altitude display between feet (default) and metres.
<b>SPEED IN MPH</b>	Switch vertical speed between m/s (default) and mph.
<b>SCREEN STAY LIT</b>	Keeps the display lit while recording (default on). On some models the watch may override this - use the Backlight setting on page 3 as the real fix.
<b>SILENCE ALERTS</b>	Info only - a reminder to set the watch to Do Not Disturb (an app cannot toggle it).
<b>FLIGHTX PAIR / UNPAIR</b>	Enter or clear your 6-character FlightX pair code (see page 3).
<b>SAVE / DISCARD JUMP</b>	Shown only while recording - save the activity now, or throw it away.

# Using It On A Jump

## 1 On the ground at the DZ

Open FlightX Jump. Optional but recommended: hold UP > Zero at Ground so the altimeter reads true AGL.

## 2 Press START

A red dot and a timer appear - it is recording. (25 Hz G-force capture switches on now, so opening shock registers.)

## 3 Jump

The phase banner flips GROUND > CLIMB > FREEFALL > CANOPY > LANDED on its own. Glance at altitude / vertical speed any time.

## 4 Pull & Swoop alarms

Under canopy, as you descend through your set heights, the wrist flashes (amber at pull, red at swoop) and buzzes. They fire once each and reset for the next jump.

## 5 After landing - STOP (with confirm)

Press START once: a red "PRESS AGAIN TO STOP" banner appears with a short buzz. Press START again within 2.5 seconds to actually stop and save. A single stray press mid-jump does nothing - the arm just expires.

### WHY THE CONFIRM?

So a knock against the button in freefall or under canopy can never kill your recording. Two deliberate presses, close together, are the only way to stop.

# After The Jump - Your Data

One press of STOP does three things at once:

- SAVES A GARMIN FIT ACTIVITY. A normal activity with FlightX's extra per-second fields baked in (vertical speed, phase, G-force) plus jump summaries (max G, max vertical speed, freefall seconds). It syncs to Garmin Connect like any other activity.
- POSTS TO FLIGHTX (if paired). A summary plus your 1 Hz GPS track is sent to your FlightX inbox via the phone's connection - double-buzz = delivered. Open FlightX > Connected Devices > Garmin Watch Sync and tap LOG THIS JUMP to drop it into your logbook with a map.
- FEEDS FLIGHTLAB. The jump (or the FIT file) opens in FlightLab for the full technical debrief - phase segmentation, canopy metrics and swoop analysis. Watch GPS is 1 Hz, so a FlySight stays the precision tool, but you get the full picture either way.

## No phone signal at the DZ?

No problem - the jump is safe in the FIT file. Later, on Garmin Connect (web), open the activity > Export Original (the .FIT) and import it in FlightX > Connected Devices. Same result, just manual.

## Troubleshooting

- No double-buzz / nothing in the app: check the pair code matches (watch Options > FlightX Pair vs app > Garmin Watch Sync), and that the phone has signal + the FlightX app installed.
- Jump file has big gaps: set Data Recording to Every Second (page 3).
- Screen goes dark mid-jump: set Backlight > During Activity > Does Not Time Out (page 3).
- App not in the list after copying: you may have used the wrong model's .prg - try the next one.

## THE IMPORTANT BIT

# Fly Safe

FlightX Jump is a training and logging aid - a second opinion on your wrist, not a primary instrument. It does not replace your certified visual altimeter, your audible, or your AAD, and it never makes a jump / no-jump or a pull decision for you.

- Watch your altitude on your primary instruments. Always.
- Fly the plan you briefed on the ground.
- Follow your dropzone's rules and your instructors.
- The alarms are a backup cue, not a reason to fly closer to the ground.

## Questions or feedback?

You are flying a test build - tell us what works and what does not. [hello@flightxapp.com](mailto:hello@flightxapp.com)

**Track. Progress. Evolve. - Blue skies.**