



GyroCare **Pro**

USER MANUAL

Built by a pilot, for pilots.

Covers the 13 official how-to videos, step by step.
gyrocarepro.app

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INTRO

Welcome to GyroCare Pro

What the app is, what this manual covers, and subscription terms.

- 1 What GyroCare Pro is**

GyroCare Pro is the iOS companion app for gyroplane pilots. It keeps four things in one place: **maintenance tracking** driven by your tachometer hours, **GPS flight tracking** with logbook, **preflight weather** (METAR winds, density altitude, forecasts), and your **aircraft's setup** — so the maintenance schedule always matches your exact model and engine.
- 2 What this manual covers**

This manual mirrors the 13 official how-to videos, one chapter per video: Dashboard, finding and logging maintenance tasks, task details and manual deep-links, custom tasks, the history log, preflight weather, aircraft setup, the logbook, exports and imports, and service bulletins. Follow the steps in order and you'll know the whole app.
- 3 Subscription terms**

GyroCare Pro is a **free download** with **30 days of full access** from first launch. After that, a subscription is required: **\$2.99/month** or **\$29.99/year**.

1

CHAPTER 1

Dashboard Tour

Your tach hours, what needs attention, and where everything stands.

- 1 Enter your tachometer hours**

Open the app to the **DASH** tab. Tap the **Tachometer Hours** field and type your current tach reading (for example 1250). The maintenance schedule recalculates instantly — the notification strip, Upcoming Maintenance, and all summary cards update to match your aircraft's real position in its schedule.
- 2 Use the ... menu**

Tap ... (top right) for app-level actions: **Save Backup** and **Open Backup** protect your data, and **Print/PDF** produces a printable report of your maintenance state.
- 3 Read the status strips**

The gold notification strip flags what needs attention right now (for example, “25-hour initial inspection (one-time) — 25 hrs to go”). **Upcoming Maintenance** lists the next items coming due. The **Maintenance Summary** cards show Overdue, Due Soon, OK, Info, Next Due and your Tach Hrs at a glance; the **Logbook Summary** shows total flights, total hours, this year's hours, and your last flight.



GYROCARE Pro

Fly - Track - Log - Maintain

• MTOSPORT 2010 ROTAX 914 UL



NOTIFICATIONS

NORMAL

your initial inspection (one-time) — 25 hrs to go

Turbocharger & wastegate check —

TACHOMETER HOURS

0 HRS

0%



500

1000

1500

2000

0

Today
10/14/2026

UPCOMING MAINTENANCE

All items in compliance ✓

MAINTENANCE SUMMARY

OVERDUE

0

past due

DUE SOON

0

near tolerance

OK

21

in compliance

INFO

5

as required

NEXT DUE

25

at hrs

TACH HRS

0

2500 hrs to rotor MLL

LOGBOOK SUMMARY

TOTAL FLIGHTS

3

TOTAL HOURS

3:30

THIS YEAR

3

LAST FLIGHT

11 Oct 2026

2

CHAPTER 2

Finding a Due Task

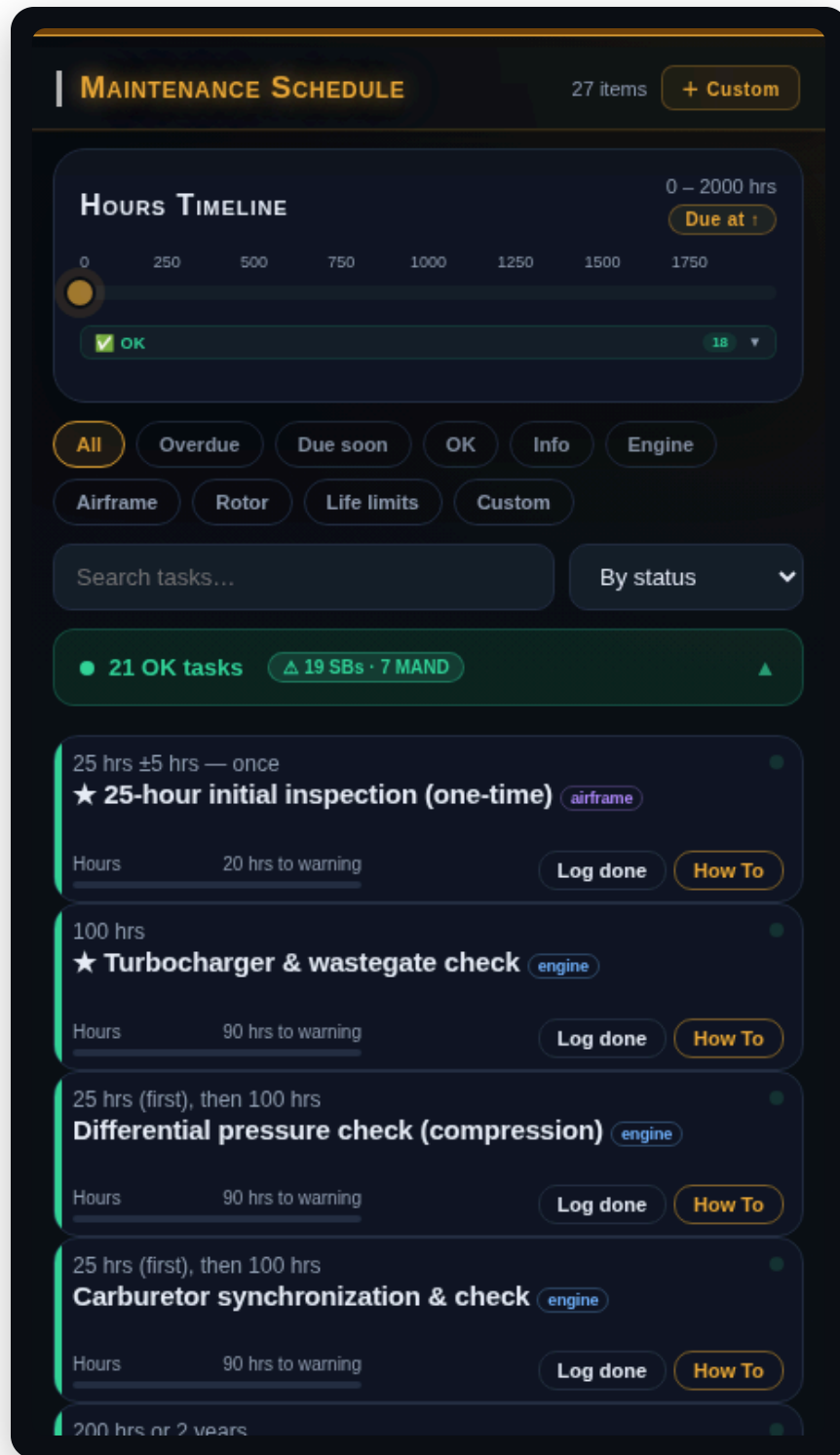
Filter the maintenance list to exactly the tasks you need.

- 1 Open the maintenance tab**

Tap **MNT**. The Hours Timeline at the top shows where your current tach reading sits in the 0–2000-hour window, and every task below is timed against it.
- 2 Filter by status or category**

Use the filter chips: **All**, **Overdue**, **Due soon**, **OK**, **Info** — and category chips **Engine**, **Airframe**, **Rotor**, **Life limits**, **Custom**. For example, tapping **Due soon** narrows the list to only tasks approaching their warning window; **OK** shows everything currently compliant. Tapping the same chip again clears it.
- 3 Search or sort**

Type in the **Search tasks...** field to find a task by name, or change the sort with the **By status** selector. Each task row shows its interval, how far away it is, and the **Log done** and **How To** buttons.



3

CHAPTER 3

Logging a Completed Task

Record finished work so the schedule and history stay current.

- 1 Tap “Log done” on the task**
On the **MNT** tab, find the task you just completed and tap its **Log done** button.
- 2 Fill in the Log Maintenance dialog**
The dialog shows the task name. Confirm the **date and time** the work was done (defaults to now), enter the **tachometer hours** at completion, and add any **notes** you want kept with the record — for example who performed the work or parts used.
- 3 Save and verify**
Tap **Save log**. The entry is written to your **History** log, the task's next due point moves forward, and the Dashboard summaries update immediately.

LOG MAINTENANCE



Choose the exact date, time, and hours for this maintenance action.

25-hour initial inspection (one-time)

10/14/2026, 10:34 PM



0

Optional notes

Save log

4

CHAPTER 4

Task Details: How-To, Full Procedure & Manual

Every task carries its procedure — and a deep link into the real manufacturer manual.

- 1 Open the How-To sheet**

On any maintenance task, tap **How To**. A sheet slides up describing the task — for example “Spark plug inspect and re-gap”: remove plugs by cylinder, inspect the electrode gap, check the face colour for engine-condition clues, and reinstall with silicone compound torqued to 20 Nm cold.
- 2 Tap “View Full Procedure”**

Tap the gold **View Full Procedure** button. You get the complete procedure for that task: the **required tools and parts** up top (spark plug socket, feeler gauge, silicone heat compound), then the **numbered step-by-step instructions** — the 6-step spark-plug sequence, from removing and labelling plugs by cylinder through gap checks, face-colour diagnosis, and reinstallation. Follow it top to bottom while you work.
- 3 Tap “View Manual” for the official page**

Back on the How-To sheet, tap  **View Manual**. The app opens the **actual manufacturer's manual** at the exact section for the task — the BRP-Rotax 914 Maintenance Manual, section **12-20-00**, with the real diagrams and pictures (like the spark-plug Figure 7.35). No searching through PDFs: you're on the right page instantly.

Spark plug inspect and re-gap



Remove plugs by cylinder, inspect electrode gap (0.8–0.9 mm new, 1.1 mm wear limit), check face colour for engine condition clues, reinstall with silicone compound torqued to 20 Nm cold.

[View Full Procedure](#)



[View Manual](#)

TOOLS & MATERIALS

Spark plug socket

Feeler gauge

Silicone heat compound

⚠ Always replace both spark plugs of a cylinder — never interchange plugs between cylinders.

⚠ Do not apply silicone compound to the first three threads.

PROCEDURE

- 1 Remove all spark plugs and store them labelled by cylinder and position (upper/lower).
- 2 Inspect all spark plugs for mechanical damage.
- 3 Check electrode gap on all plugs including new ones before installation. New gap: 0.8–0.9 mm. Wear limit: 1.1 mm. No adjustment permissible — replace if at or beyond wear limit.
- 4 *NOTE: Spark plug face colour diagnosis: light tan = correct; velvet black = mixture too rich or clogged filter; oily/glossy = damaged valve stem seal or worn rings; white with melt beads = mixture too lean or leaking valves.*
- 5 Before installation, clean spark plug thread and seat at cylinder head to remove residue of silicone heat compound.
- 6 Apply small amount of silicone heat compound to spark plug thread. Do not apply to the first three threads.

BRP-Rotax
MAINTENANCE MANUAL LINE

INSTALLATION OF SPARK PLUG

I Overview

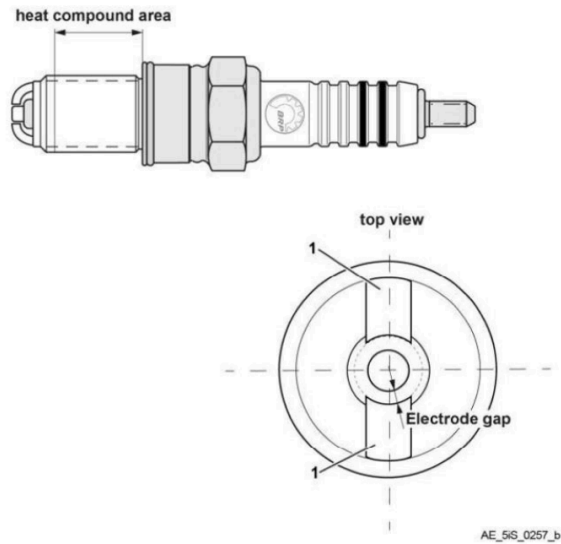


Figure 7.35: Spark plugs

1 Ground electrode

Cleaning

⚠ WARNING	
Eyes and skin Irritation! Rinse off with water in the case of contact with eyes or skin. May be harmful if swallowed.	
Step	Procedure
1	Before every installation, the spark plug thread and the spark plug seat at the cylinder head should be cleaned (e.g. to remove residue of silicone heat compound).

5

CHAPTER 5

Adding a Custom Task

Track your own maintenance items alongside the factory schedule.

- 1 Tap “+ Custom”**
On the **MNT** tab, tap **+ Custom** next to the search field.
- 2 Describe your task**
In the “Custom Tasks” dialog, type the **task name** (for example “Check door seals”), set the **interval in hours**, and set the **start hours** — hours before the first due point. Tap **+ Add Entry** to add more rows in one go.
- 3 Save and apply**
Tap **Save & Apply**. Your custom task joins the maintenance list with the same tracking, warnings, and logging as every factory task.

MTOsport 2010 — CUSTOM TASKS



Add your own tasks. Set an interval in hrs. Empty hrs or N/A = excluded from tracking.

+ Add Entry

Save & Apply

Cancel

6

CHAPTER 6

History Tour

Your complete maintenance record, searchable and exportable.

- 1 Open the History tab**

Tap **HISTORY**. The stat cards at the top summarize your record: **Total Logged** entries, **Unique Tasks** performed, **Last Log Date**, and **Last Log Hrs**.
- 2 Filter and search**

Narrow the list with the category chips (**All**, **Airframe**, **Engine**, **Rotor**), change the order with the **By Hours** selector, or type in the **Search...** field. Tapping an entry expands it to show the full detail.
- 3 Add a manual entry**

Missed logging something at the time? Tap **+ Add Entry**. In the **Add Manual Entry** dialog, pick the **task**, set the **date/time** and **tach hours**, add notes, and tap **Add entry** — back-dated records slot into history correctly.

MAINTENANCE HISTORY

+ Add Entry

TOTAL LOGGED

10

UNIQUE TASKS

8

LAST LOG DATE

2026-10-09

LAST LOG HRS

488h

All

Airframe

Engine

Rotor

Custom

Other

By Hours



● 100-hr / annual inspection (JNP)

9 Oct 26

x2 ▼

● Main rotor bearing inspection

23 Sep 26

SAMPLE

● Battery inspection

23 Aug 26

SAMPLE

● Magnetic plug check

21 Jul 26

SAMPLE

● Oil & Filter Change

14 Jun 26

x2 ▼

● Engine air filter clean / replace

4 May 26

SAMPLE

● Teeter hinge lubrication

24 Mar 26

SAMPLE

● Spark plug inspect and re-gap

4 Jan 26

SAMPLE

LAST LOG DATE

2026-10-09

LAST LOG HRS

488h

All

Airframe

Engine

Rotor

Cul

By Hours



● 100-hr / annual inspection (J...

9 Oct 26

x2



● Sample entry — 100-hour inspection, no find...

● Sample entry — 100-hour inspection, no find...

● Main rotor bearing inspection

23 Sep 26

SAMPLE

● Battery inspection

23 Aug 26

SAMPLE

● Magnetic plug check

21 Jul 26

SAMPLE

7

CHAPTER 7

Editing & Deleting a History Entry

Fix mistakes in seconds — including swipe-to-delete.

- 1 Edit an entry**

On the **HISTORY** tab, tap an entry to expand it, then tap **Edit**. The **Edit History Entry** dialog lets you change the task, date/time, tach hours, and notes. Tap **Save changes** when done.
- 2 Delete an entry**

In the expanded entry, tap **Delete** and confirm. The entry is removed — and a brief **UNDO** toast appears at the bottom, so an accidental delete is one tap away from being reversed.
- 3 Swipe to delete**

For speed, **swipe any history row to the left** to reveal the delete action directly, without opening the entry first.

EDIT HISTORY ENTRY



Edit any saved value for this maintenance entry.

100-hr / annual inspection (JNP)

10/09/2026, 12:00 PM



488

100 hrs or 12 months

airframe

Sample entry — 100-hour inspection, no findings

Save changes



DELETE ENTRY

Delete "100-hr / annual inspection (JNP)"? You can undo this immediately after.

Cancel

Delete

8

CHAPTER 8

Weather & Flight Recording

Preflight weather plus automatic flight logging — check conditions, then track and the app logs it.

- 1 Open the weather tab**

Tap **WEATHER** for the Pre-Flight view: the **Wind Compass** card (live wind, gusts, direction), the **Density Alt** card, the **Wind Trend** card, the **10-Day Wind Forecast**, and the **Preflight Checklist**.
- 2 Check wind trend and density altitude**

Tap the **Wind Trend** card for the wind sheet (current conditions, speed history, session stats); tap the backdrop to close. Tap the **Density Alt** card for the full breakdown — the big density-altitude number, the performance zone bar, and every input behind it (temperature, pressure, pressure altitude, temperature correction).
- 3 Checklist and 10-day forecast**

Tick **Preflight Checklist** items as you do them, or **MARK ALL** to check everything at once. Tap any day in the **10-Day Wind Forecast** to expand its details; tap again to collapse.
- 4 Go full-screen: compass, city, 5-day**

Tap the wind card for the big-screen compass. Tap the airport/city selector under it to change location (× dismisses the dropdown). **5-DAY** opens the 5-day forecast sheet.
- 5 Track your flight**

Tap **TRACK FLIGHT** — after the **3-2-1 countdown** the timer runs, with the reminder: “This recording will automatically add the flight to your logbook.”
- 6 Stop and save**

Tap the timer to stop, confirm **Stop & Save**, then **Save Flight** on the Review Tracked Flight sheet (date, start time, from/to pre-filled). The flight lands in your logbook automatically.
- 7 Open the flight's details**

On the **Logbook** tab the new flight sits at the top. **Swipe the row left** and tap the **Edit** (pencil) button to open its full detail screen.

→ You are viewing **sample data** — explore, then clear it to start fresh.

Clear sample data

PRE-FLIGHT

WIND COMPASS

Compass unavailable



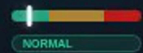
WIND
9
mph

GUSTS
11
mph

North Lake Waco

DENSITY ALT >

1,669 ft



84°
° temp

29.94
inHg

WIND TREND >

9 mph→



10-DAY WIND FORECAST

North Lake Waco

Loading...

PREFLIGHT CHECKLIST

RESET

MARK ALL



FUEL CHECKED

Fuel quantity / contamination / shutoff



OIL LEVEL

Engine oil checked before flight



ROTOR CLEAR

Blades, teeter area, visible freedom / no issues



CONTROLS FREE

Stick, rudder, trim / no binding



DASH



MNT



HISTORY



WEATHER



AIRCRAFT



LOGBOOK



SETUP

→ You are viewing **sample data** — explore, then clear it to start fresh.

Clear sample data

Compass & accelerometer not available on this device



▲ North Lake Waco

● 31.6113, -97.2305



5-DAY

TRACK FLIGHT

Wind

9

mph

Gusts

11

mph

S

Updated 6:54:49 PM

KACT 0mi

15

mph

KACT
6:55 PM

--

mph

Current Conditions

→ You are viewing **sample data** — explore, then clear it to start fresh.

Clear sample data

PRE-FLIGHT

WIND COMPASS

Compass unavailable

WIND
9
mph

S

GUSTS
11
mph

North Lake Waco

DENSITY ALT >

1,669 ft

84°
°F temp

29.94
inHg

NORMAL

WIND TREND >

9 mph→

9 mph→

10-DAY WIND FORECAST

North Lake Waco

Density Altitude

North Lake Waco

NORMAL PERF

1,641 ft

NORMAL <2,000 MODERATE >5,000 HIGH

CALCULATION BREAKDOWN

Temperature
Current ambient

84 °F
28.9 °C

Barometric Pressure
Station pressure

29.94 inHg
1014 hPa

Pressure Altitude
ISA correction

-20 ft

Temp Correction
120ft per °C above ISA

+1,662 ft

Density Altitude
Pressure Alt + Temp Correction

1,641 ft

→ You are viewing **sample data** — explore, then clear it to start fresh.

Clear sample data

Compass & accelerometer not available on this device



▲ North Lake Waco



31.6113, -97.2305



5-DAY

00:03

Wind

9

mph

S

Gusts

11

mph

This recording will automatically add the flight to your logbook.

KACT 0mi



15

mph

KACT

6:55 PM

--

mph

Current Conditions

9

CHAPTER 9

Aircraft Setup

Tell the app your aircraft — the maintenance schedule adapts to it.

- 1 Configure your aircraft**
Tap **AIRCRAFT**. Under **Aircraft Configuration**, set your **model** (for example MTOsport 2010), **engine** (for example Rotax 914 UL, 115 HP), and **rotor system**. The maintenance list shows only the tasks that apply to your configuration.
- 2 Enter the aircraft identity**
Under **Aircraft Identity**, fill in the **owner name** and address, the **registration** (for example N12345), and the **aircraft type and class**.
- 3 Save**
Tap **Save**. Your setup is stored on the device and used across maintenance, logbook, and exports.

● MTOSPORT 2010 · ROTAX 914 UL

Enter your registration below



AIRCRAFT CONFIGURATION

Select your model and engine. The app will show only the maintenance tasks that apply to your aircraft.

MODEL

MTOsport 2010

ENGINE

Rotax 914 UL (115 HP)

ROTOR SYSTEM

RSII — 2500 hrs life limit

AIRCRAFT IDENTITY

Your details. Registration appears in the header and hero above.

OWNER NAME

Enter owner name

ADDRESS

Enter address

REGISTRATION / N-NUMBER

e.g. N1234A

AIRCRAFT TYPE

MTOsport 2010

AIRCRAFT CLASS

e.g. Gyroplane / Ultralight

AIRCRAFT COLOR

e.g. White / Red

AIRCRAFT TYPE

MTOsport 2010

CLASS

--

COLOR

--

10

CHAPTER 10

Adding a Flight

Log each flight — the logbook totals update themselves.

- 1 Tap “+ Add Flight”**
On the **LOGBOOK** tab, tap **+ Add Flight**.
- 2 Enter the flight details**
In the **Add Flight** dialog: the **date** (defaults to today), the **start time**, the **From** and **To** locations (ICAO codes or plain names — for example 87TX to KACT), the **duration** in hours and minutes, and any **remarks**.
- 3 Save and confirm**
Tap **Save Flight** and confirm **Add Flight Hours**. The flight joins your logbook and the totals — flights, hours, this year — update immediately.

ADD FLIGHT

×

DATE

10/14/2026

START TIME

--:-- --

FROM (ICAO OR LOCATION)TO (ICAO OR LOCATION)

87TX

KACT

DURATION

0

▼

hrs

00

▼

min

REMARKS (OPTIONAL)

Optional notes

Save Flight

Cancel

11

CHAPTER 11

Editing & Deleting a Flight

Correct logbook entries — with swipe-to-delete, like History.

- 1 Edit a flight**

On the **LOGBOOK** tab, tap a flight to expand it, then tap the pencil **Edit**. The **Edit Flight** dialog lets you change the date, start time, route, duration, and remarks. Tap **Save Flight**.
- 2 Delete a flight**

In the expanded flight, tap the trash **Delete** and confirm. The flight is removed and a brief **UNDO** toast appears, so a mistaken tap is instantly reversible.
- 3 Swipe to delete**

Or **swipe any logbook row to the left** to reveal the delete action without opening the entry.

EDIT HISTORY ENTRY

×

Edit any saved value for this maintenance entry.

100-hr / annual inspection (JNP)

10/09/2026, 12:00 PM



488

100 hrs or 12 months

airframe

Sample entry — 100-hour inspection, no findings

Save changes

12

CHAPTER 12

Exports & Imports

Get your data out — CSV, PDF, and KML for Google Earth.

- 1 Export the logbook**

On the **LOGBOOK** tab, use the export buttons: **CSV** for a spreadsheet of your flights, **PDF** for a printable logbook report, and **Export Paths** for your recorded flight tracks.
- 2 Import data**

Import Logbook brings flights in from a file; **Import Paths** brings in previously exported flight tracks.
- 3 Export a flight path to KML**

Tap ➔ **Path** on any tracked flight to open its Path view: the route on the map with **distance**, **avg** and **max speed**, **duration**, and **GPS points**. Tap **Export KML** to save the track in KML format.
- 4 Open it in Google Earth**

Open the exported KML in Google Earth: your flight is draped over real terrain. The example on the next page is a real GyroCare Pro track — a flight around Lake Whitney, Texas.

LOGBOOK

Import Logbook

Import Paths

+ Add Flight

TOTAL FLIGHT TIME

3:30

HOURS
3 MINUTES
30

3 FLIGHTS

ALL YEARS

3:30

2026

3:30

↓ CSV

↓ PDF

Export Paths

OCTOBER 2026

2:15

KACT → KACT

SAMPLE

Sample flight — pattern work, 6 landings

→ Path

11 Oct
09:15 AM0:55
HH:MM

KACT → KGYI

SAMPLE

Sample flight — cross-country

2 Oct
02:30 PM1:20
HH:MM

SEPTEMBER 2026

1:15

KGYI → KACT

SAMPLE

Sample flight — return leg, calm winds

18 Sep
10:05 AM1:15
HH:MM

IN THE APP



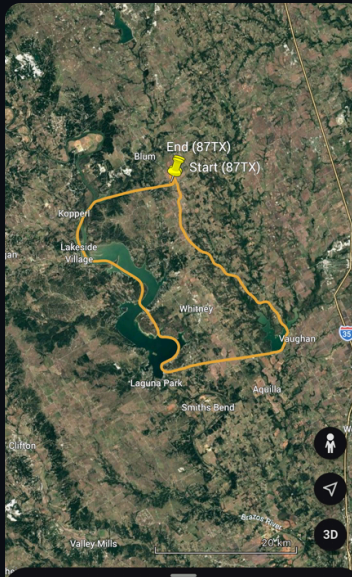
Tap the path to inspect a point

59.6 mi
DISTANCE

72 mph
AVG SPEED

102 mph
MAX SPEED

IN GOOGLE EARTH — THE SAME FLIGHT



Your flight, in the app and in Google Earth

The same real flight — 87TX to 87TX, looping Lake Whitney, Texas — as seen in GyroCare Pro's Path view and after exporting its KML to Google Earth. Export any tracked flight from the Path view and open it the same way.

13

CHAPTER 13

Service Bulletins

Manufacturer bulletins surface inside the tasks they affect — plus manual update checks.

- 1 Spot the SB badge**

On the **MNT** tab, any task affected by a service bulletin carries a gold **SB×2** badge (the number counts its bulletins) — for example the “Fuel filter replacement” task.
- 2 Open the bulletins**

Tap the task to expand it, then tap the bulletin row (for example “Fuel Tank Holding Belt Loosening”). Each bulletin shows its identifier and severity — **MANDATORY**, recommended, or informational.
- 3 Read the full bulletin detail**

The detail view gives you everything: **Background**, **Risk of Neglect**, **Applicability**, the numbered **Procedure**, the **Labour Estimate**, and the **Compliance** requirement (for example “Mandatory. Before next flight / at next preflight check.”). Tap **View Full PDF on AutoGyro.com** to open the official bulletin document, or **Mark as completed** once the work is done and logged.
- 4 Check for new bulletins manually**

The app checks AutoGyro's site for new bulletins automatically every 24 hours. To check right now, go to the **SETUP** tab → **Service Bulletin Updates** and tap **Check Now**.

CI-01-2010 MANDATORY

Effective: 2010

Fuel Tank Holding Belt Loosening — MTOsport and MT-03 all years**BACKGROUND**

During maintenance it has occurred that the edges of some fuel tanks show deformation, especially on top of the fuel tank where it connects to the airframe. The reason for deformation is over-tight holding belts.

RISK OF NEGLECT

Security relevant component.

APPLICABILITY

MTOsport all years. MT-03 all years.

⚠ Proceed with this work only in a non-smoking area and not close to sparks or open flames. Switch off ignition and secure gyroplane against unintentional operation. Disconnect negative terminal of aircraft battery.

PROCEDURE

- 1 Lift rear seat and locate in position.
- 2 Loosen the buckle and adjust the correct tension.
- 3 Fuel tank must be fixed tightly. It should be possible to move it by hand within the locking bars, but it must never move by itself due to gyroplane vibration.
- 4 Conduct a test run and check fuel system for leakage.
- 5 Record in aircraft log.

LABOUR ESTIMATE

Approximately 0.1 h.

COMPLIANCE

Mandatory. Before next flight / at next preflight check.

Contact: airworthiness@auto-gyro.com

[View Full PDF on AutoGyro.com ↗](#)**Mark as completed**

Tap to mark this SB as actioned on your aircraft

SETUP

Diagnostics

Temporary. Tracks what grows while you use the app.



Dust / sand profile

Reduces 100-hr inspection interval to 50 hrs.



AVGAS flag

Shows AVGAS-specific oil change advisory cards.



IVO variable pitch propeller

Shows IVO prop maintenance tasks and service bulletins.



Dark / light mode

Switch between dark cockpit and light theme.



JNP / Statement of compliance

Date of last annual inspection.

10/09/2026



SERVICE BULLETIN UPDATES

Automatically checks the AutoGyro website for new SBs once every 24 hours.

Last checked: Today 10:37 PM

Check failed — Failed to fetch

Check Now

Save backup file

Export ▼

Restore backup file

Import ▼

Print / save PDF

Print current tracker state.

Print

Version 16

Developed by Amir · GYRO GUY

GyroCare Pro

Built by a pilot, for pilots.

gyrocarepro.app