Install and connect

UTL v1.0 · Microsoft Flight Simulator 2024 on PC

64-bit Windows and an Internet connection are required. Xbox and MSFS 2020 are not supported by this release. This is flight simulation software, not a real-world navigation tool.

Installation or update

Close MSFS, UTL and UTLSimAgent before running Setup. Keep the existing folder when updating the same edition; settings and aircraft profiles are retained. Private Beta and commercial editions use separate licences and folders. On the simulator PC, choose the simulator role and confirm the active Community folder for Ride Advisor. A control-only PC does not need the EFB package.

Licence and customer account

After confirmed purchase, access your installer and .utllicense file from your account at ultraturbulence.com. Sign in using a code sent to your purchase email address; there is no permanent account password. Import the file via Settings > Manage license. The commercial licence is personal, non-expiring for the purchased version, and covers two PCs including REMOTE. Beta licences retain their own expiry date.

LOCAL or REMOTE

On one PC, select CONNECTION > LOCAL without starting a second agent. For REMOTE, run the agent on the MSFS PC and UTL on the control PC, using the simulator PC's private IP and port 47644. Import the appropriate licence on both PCs. Save and restart UTL after connection changes. Do not run multiple motion engines on the simulator PC.

Control effects and aircraft profiles

LIVE and UTL OFF

Load a flight, wait for MSFS CONNECTED, then choose LIVE to apply effects. UTL OFF stops the effects added by UTL; it does not remove native simulator turbulence. The MONITOR ONLY button has been removed. Internal protection can still suspend effects or put the engine into observation mode.

Intensity and aircraft settings

Start with the reference profile and overall strength at 100%. In PHYSICS, select the intensity category to edit, then adjust aircraft motion and cloud effects separately. Transitions blend adjacent settings. Make small changes: common limits and aircraft response mean slider increases do not translate directly into proportional aircraft movement.

Save a profile

Save aircraft profile stores settings for the recognised aircraft. Copy from copies another profile without linking later changes. Revert changes discards unsaved edits; UTL defaults restores the aircraft reference. Regional settings contribute to the model separately from turbulence categories.

Preview, sound and camera

In PHYSICS, choose Turbulence or Cloud, the category and Start, with LIVE active. Stop ends Preview and returns to live conditions. Applied Output shows added commands, not measured aircraft motion. Cabin sounds have separate controls. FSRealistic+ integration can accompany effects when that third-party application is installed. Avoid Preview during demanding flight phases.

Map, vertical profile and tropopause

Import and inspect your route

On MAP, enter your SimBrief identifier and use Import SimBrief. The imported plan supplies the route, waypoints and profile. Displayed FL changes the level you inspect, not your aircraft altitude. Refresh profile recalculates the section. Around-aircraft, ahead-of-aircraft and SimBrief views serve different purposes; check the selected mode and displayed range.

Now UTC and weather sources

Now UTC follows the current time; uncheck it to inspect times available in the cache. Checking it again restores the current context. Compare level, time, source and quality before comparing views. WAFS/GFS forecasts provide context: engine pockets are not exact observations of individual turbulent regions.

Tropopause

The blue dashed line shows the available tropopause profile along your route. Nearby, UTL simulates intermittent active regions, calmer stretches and varied transitions. Terrain can favour local presence; crossing the line does not guarantee bumps. Other turbulence takes priority over this contribution.

Ride Advisor and EFB

Ride Advisor compares levels around the selected Level. Change Level to inspect a different altitude band. Recommendations represent a compromise in available data, not a guarantee of smooth air. Open UTL Ride Advisor in the MSFS EFB. Compare map and profile at matching level, mode and time. The English voice briefing prepares after SimBrief import and provides play, pause and stop controls.

Seat belts, safety and support

Suggestions and seatbelt control

Settings offers announcements and, on supported aircraft, automatic sign control. Actual sign observation and control capabilities depend on the aircraft addon. A suggestion is not confirmation that the sign is on. With the relevant announcements enabled, the copilot can comment on a severe episode above 0.55 EDR, at most once per flight.

Windows warning

The installer is not signed with a publisher certificate. Windows may show SmartScreen or Unknown publisher. Download only from your official account area. Do not disable Windows security; if your antivirus detects a threat or you are unsure, stop installation and contact support.

No motion or missing data

Check your licence, MSFS CONNECTED, LIVE, simulator pause and strength settings. In REMOTE, check the agent, its private address and matching versions on both PCs. Missing, stale or uncovered weather data can limit a contribution; no effect does not automatically mean a failure. Near-ground and flight-phase protections can reduce commands.

Tray and support logs

UTL and the agent can be restored from the Windows notification area when minimised. Quit properly from their menu before updating. Settings > Open support logs opens the logs. Include the affected session, UTC time, aircraft, LOCAL/REMOTE mode, a description and screenshot. Retain the previous session’s logs after restarting. Support: contact@informatique-pays-basque.fr.