**Real Airlines Planner**

User & Technical Documentation



Version 1.3 – June 2025

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# 1. Overview

RealAirlinesPlanner is a Python-based companion tool for Microsoft Flight Simulator 2024.  
  
Its main purpose is to allow realistic airliner operations based on real flights, matching installed aircraft and sceneries. It is \*\*not\*\* designed for general aviation, bush flying, firefighting, or cargo missions. It focuses exclusively on \*\*commercial airline simulation\*\*.  
  
The motivation for this tool came from frustrations with existing software that didn’t allow combining:  
- Realistic airline operations based on Flightradar24 data,  
- Favorite sceneries purchased from third parties,  
- Installed liveries and aircraft types already in the Community folder.  
  
RealAirlinesPlanner solves this by scanning all available liveries and airports, matching real-world flights to only those actually installed in MSFS2024.

# 5. User Workflow Diagram

This section will present a visual diagram of how a typical user interacts with RealAirlinesPlanner, from aircraft and airport scanning to selecting a real-world flight and generating a SimBrief plan.  
  
The diagram will be integrated in a future release once the GUI and backend interactions are finalized.

# 6. Development Mode

RealAirlinesPlanner includes a dedicated tab labeled 'DevBuild' that allows developers to view raw JSON outputs, test translations, debug aircraft and airport detection, and verify internal data structures.  
  
This mode is especially useful during early testing phases or when integrating new features.

# 7. Roadmap

The following roadmap outlines the planned development milestones for RealAirlinesPlanner:

**v1.0 –** Initial scanner implementation (aircraft & airport detection)

**v1.2 –** GUI with language support, map integration, and JSON-based tabs

**v1.5 –** Improved user documentation, tabbed navigation, aircraft/livery precision handling

**v2.0 –** SimBrief live integration and full flight planning with auto-prefill

**v2.2 –** Flight Tracker with roleplay scoring system and PNC/passenger satisfaction model

**v3.0 –** Flight history, complete pilot logbook, and dynamic airline progression system

**v3.5 –** Support for additional aircraft families: PMDG 737/777, FlyByWire A320/A380

**v4.0 –** Full airline management mode (fleet management, hub planning, schedules)