

FS-ATC 1.1

An Air Traffic Controller for use with Microsoft Flight Simulator Macintosh version 4.0

–Release notes–

Here is the first air traffic controller that operates with Microsoft Flight Simulator™. It uses some undocumented apple events to find out position of aircraft and sends messages to the pilot with Notification Manager.

The software is first released as Shareware, with certain restrictions described below.

IMPORTANT DISCLAIMER: I'm not a pilot myself, I wrote the program just for fun. The messages and courses are purely fictional. It might be against FAA rules to fly according to these instructions in the real life. Any comments and suggestions are welcome, but due to the fact that I'm not a professional programmer, there is no guarantee I write a newer version, or fix possible bugs. And the next version becoming reality depends on how many shareware payments I receive.

**THIS SOFTWARE HAS NO WARRANTY.
IT MAY NOT WORK ON ALL EQUIPMENT.**

The software comes with following files

<u>Filename</u>	<u>Description</u>
FS-ATC 1.1	The application
CGX - JFK NY	Merrill C. Meigs, Chicago, IL – John F. Kennedy Intl,
CGX - CMI Willard, IL	Merrill C. Meigs, Chicago, IL – U. of Champaing-
SFO - JFK At CGX	San Francisco Intl – John F. Kennedy Intl, NY FS situation
At SFO	FS situation
Release notes	MacWrite II document
Release notes WORD	MS Word 3.0 document
Revision history	Information on bug fixes, TeachText document

1. Installation

Since you can read this text, I assume you have an ATC folder on your hard drive, created by the extractor. Move the two FS situation files to the

Situations-folder in Flight Simulator folder.

As if you already knew, this application requires system 7 or later.

2. Getting started

Launch ATC by double-clicking the application or one of its documents. Then launch Flight Simulator and open corresponding situation file, and follow instructions, which will automatically appear on your screen.

The Meigs – Champaign situation is built in to the application.

3. ATC menus

File Menu

Open ATC File...

Displays standard open dialog for you to select an ATC file.

Compile Text File...

This command is useless until you pay the shareware fee. You will receive documentation after payment. See instructions below.

Window menu

Show Location

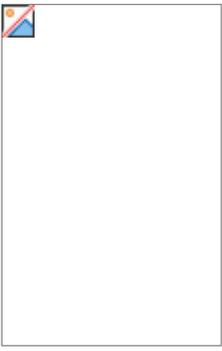
Displays a window containing aircraft coordinates, weird altitude, heading, bank and pitch as well as some other information.

Show World

If you have ResEdit, you can enable this item and see what happens. This feature doesn't work yet, but it doesn't bomb.

4. The Destination Window





It displays the direction of the destination relative to the nose of aircraft. The number on the left (195) tells you the heading in degrees. The number on the right side tells you the distance to the destination in miles or kilometers.

On the second line you can see speed of the aircraft, in miles or kilometers per hour. You can select the display from Window-menu.

EFT displays the estimated flight time, that is counted from the current speed.

And finally, the bottom line displays the name of the destination.

NOTE: The heading number is valid only at Chicago area, I have not yet discovered how to count the compensation for orthogonal coordinate grid overlaid on Lambert conformal conic projection. **The gauge is always correct, though.** You can find out how many degrees you need to turn subtracting the heading value in destination from heading found in Location window.

This instrument helps you to fly long distances without FS nav-aids. The controller files CGX–JFK and SFO–JFK require you to use it for navigation.

5. The ATC Messages

Just do whatever I say, man... I have tried to test them, and they should be easy to understand and the manouvers should be possible to perform. But – I'm not a real pilot, so there will be conflicts between your and my way to fly. Anyway, I'm interested how you manage.

I assume you have the FS manual...it may help to understand my thinking.

The application expects you to follow the instructions, and if you do what I say, you should get the next message. If you do something wrong, and get lost, ATC won't care where you are. But try ATC! If you find it impossible, let me know.

6. More controller files?

Currently I have created only these three files. It takes time to write them, although it's pretty easy. But, if you pay the shareware fee, I will mail you the sources for these three files, one of which contains documentation how to do the job.

After that – if you want – mail your controller file to me (I prefer email!), and I will include it with the next version.

7. Bugs

I'm sure there are bugs that I haven't found. I have tested the software with a 4MB Colour Classic. If you find any bugs, report them to me. Address is below.

8. Sources

Registered users will receive sources for extracting data from Flight Simulator using Apple Events and for converting that data to understandable format.

9. Shareware policy

If you like this software, send 10\$ (US funds) to

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The shareware fee includes documentation for ATC network source file format, and the next version of software, if there is one (see above). I would like to distribute the package via email, so let me know your address. But snailmail should work, too. But I hate sending disks!!

Suggestions and comments are welcome, you can email them to Miika.Asunta@csc.fi

You may redistribute this program freely. Please include the release notes and controller files.

The technicalities are discussed with registered users only.
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