

Please Note: as the client is under continuous development the figures shown may differ from the current client!

YAACARS is an alternative client to the XACARS client to log virtual flights to the Flight Economy Sim "Fly the World" <https://ftw-sim.de/>.

It's based on the [OACARS client](#) by Maeyanie.

## Download

**Download:** <https://www.ftw-sim.de/client-downloads/>

**Youtube-Tutorial für YAACARS (DE):** <https://youtu.be/G6A5B5vj37s>

**Vielen Dank an den Youtuber JayDee für seine Unterstützung!**

## Installation

### FS2020

- You have to use the connector YASA, so YAACARS will be able to connect to the sim (found at the download page of the homepage ( <https://www.ftw-sim.de/client-downloads/> ).
- Use the connection type XPUDP to run YASA and YAACARS
- The third party tool FSUIPC is no longer directly supported by us, since we have our own connector.
- Problems related to the use of FSUIPC are problems that the user has to solve himself and for which he is responsible.

### FSX/P3D

- You have to install FSUIPC, so YAACARS will be able to connect to the sim!
- Make sure to change the connection type in YAACARS from XPUDP to FSUIPC
- You might find it here (not sure if this is the best source):  
<http://fsuipc.simflight.com/beta/FSUIPC4.zip>

### X-Plane 9/10/11/...

- You DON'T have to install XPUIPC to connect to YAACARS. By default, YAACARS connects to X-Plane's UDP socket directly.
- If you have any issues with the UDP connection, you CAN use XPUIPC to connect YAACARS to X-Plane (if you are using Windows, of course!)
- This is also a useful feature, if you want to use YAACARS on a different PC than your SIM is running on (you can then use the FSUIPC's wideclient for this)

## Windows

- Extract the YAACARS folder of the ZIP file to a location of your liking, but avoid “c:\program files”
- enter the YAACARS\win32 folder
- start YAACARS.exe
- enjoy
- (if not, try starting YAACARS.exe as admin)
- (enjoy)

## Linux

- chmod u+x the YAACARS.applmage
- Double-Click the applmage
- enjoy

## Mac OS

- Double-Click the DMG
- Double-Click YAACARS (you can run YAACARS within the DMG or copy it to your APPS folder, as you like!)
- enjoy

## ChangeLog

[ChangeLog](#)

[Known Issues](#)

## Integration

### X-Plane

There is the full [YAACARS-Interface](#) or the smaller [YAACARS-Loadmanager.lua](#) available.

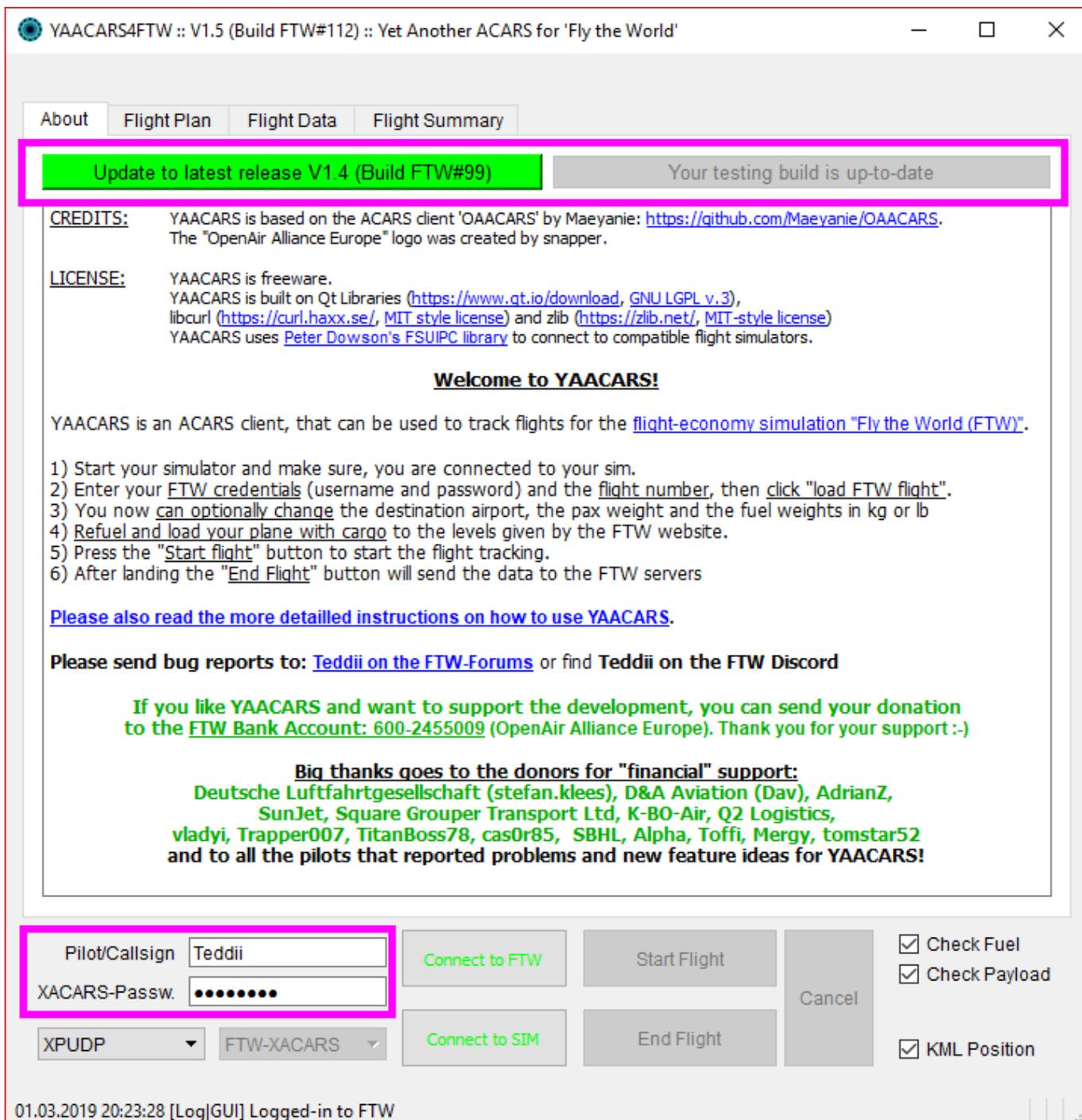
If you install one of these addons it's possible to set fuel and payload directly in X-Plane. It's not needed for YAACARS to work, just to make life easier!

## Getting Started

# Startup

After starting up YAACARS the “about page” is shown. It contains a small help screen to get you started.

In the upper section you can also update YAACARS when newer versions are available. You can also switch between the stable and the latest testing version.



# Setup (Settings)

On the Settings Tab you have to enter your:

- FTW user name
- FTW-Password

You can also select you preferred connection method

- XPUDP: X-Plane UDP connection (needs no plugins - X-Plane only)
- FSUIPC: can be used with X-Plane (XPUIPC-Plugin, Windows only) or any FSX/P3D Flightsim

Note! FSUIPC Connection might require admin privileges (“start as admin”) for YAACARS

## Receiving the Flightplan

Switch over to the “FlightPlan” tab.

Now enter your FTW Flight Number in the orange “Flight Number” field and(no longer in 2.0) press “load FTW flight” to receive the data from the server. No need to copy/paste the flight number anymore!

The screenshot displays the YAACARS4FTW software interface. At the top, there are tabs for "End flight" and "Flight information (ACARS)". A red arrow points to the "Flight information (ACARS)" tab. Below this, a window titled "ACARS Flight information" is open, showing a table of flight details. A red arrow points to the "Flight number" field, which contains "FTW4834".

Flight number:	FTW4834
Type:	Cessna Citation II
Departure (ICAO):	LSZR
Arrival (ICAO):	
Passengers:	0
IFR/VFR:	VFR
Passengers weight:	0 pound 0 kg
Baggage weight:	0 pound 0 kg
Cargo weight:	0 pound 0 kg
Total payload:	0 pound 0 kg
Tankful:	2,575 pound 1,168 kg
Fuel and payload:	2,575 pound 1,168 kg

Below the table, there are various aircraft specifications and a table for cabin crew and seats.

Cabin crew	1
Hours since last check	31.15 hours
Economy seats	0
Business seats	12
Cruise speed (TAS)	403
Required runway length	691
Maximum Take Off Weight (MTOW)	6,850 kg
Cargo capacity	591 kg
Max. Payload	2,903 kg
Max. Useful load	3,194 kg
End of rental period	02.03.2019 20:26
Deposit refund at EDFH	0 €
Seat configuration	Standard configuration
Comfort multiplier (CMP)	1.00

The main window, titled "YAACARS4FTW :: V1.5 (Build FTW#112) :: Yet Another ACARS for 'Fly the World'", has several tabs: "About", "Flight Plan", "Flight Data", and "Flight Summary". The "Flight Plan" tab is active. It shows a "Flight No" field with "FTW4834" and a "Get Flight" button. Other fields include "Aircraft Name" (Cessna Citation II), "Tail Number" (N-A5088), "Dep. ICAO" (LSZR), "Arr. ICAO", "Alt. ICAO", "Flight Type" (IFR), "Fuel (lbs) (kg)", and "Payload (lbs) (kg)". A "Route" field is empty. Below the flight plan details, there is a "Debug / Log" section with checkboxes for "Debug", "Log", "Warn", and "Err". The log shows various system messages, including "Flightplan loaded". At the bottom, there are fields for "Pilot/Callsign" (Teddii), "XACARS-Passw.", and buttons for "Connect to FTW", "Start Flight", "End Flight", and "Cancel". There are also checkboxes for "Check Fuel", "Check Payload", and "KML Position".

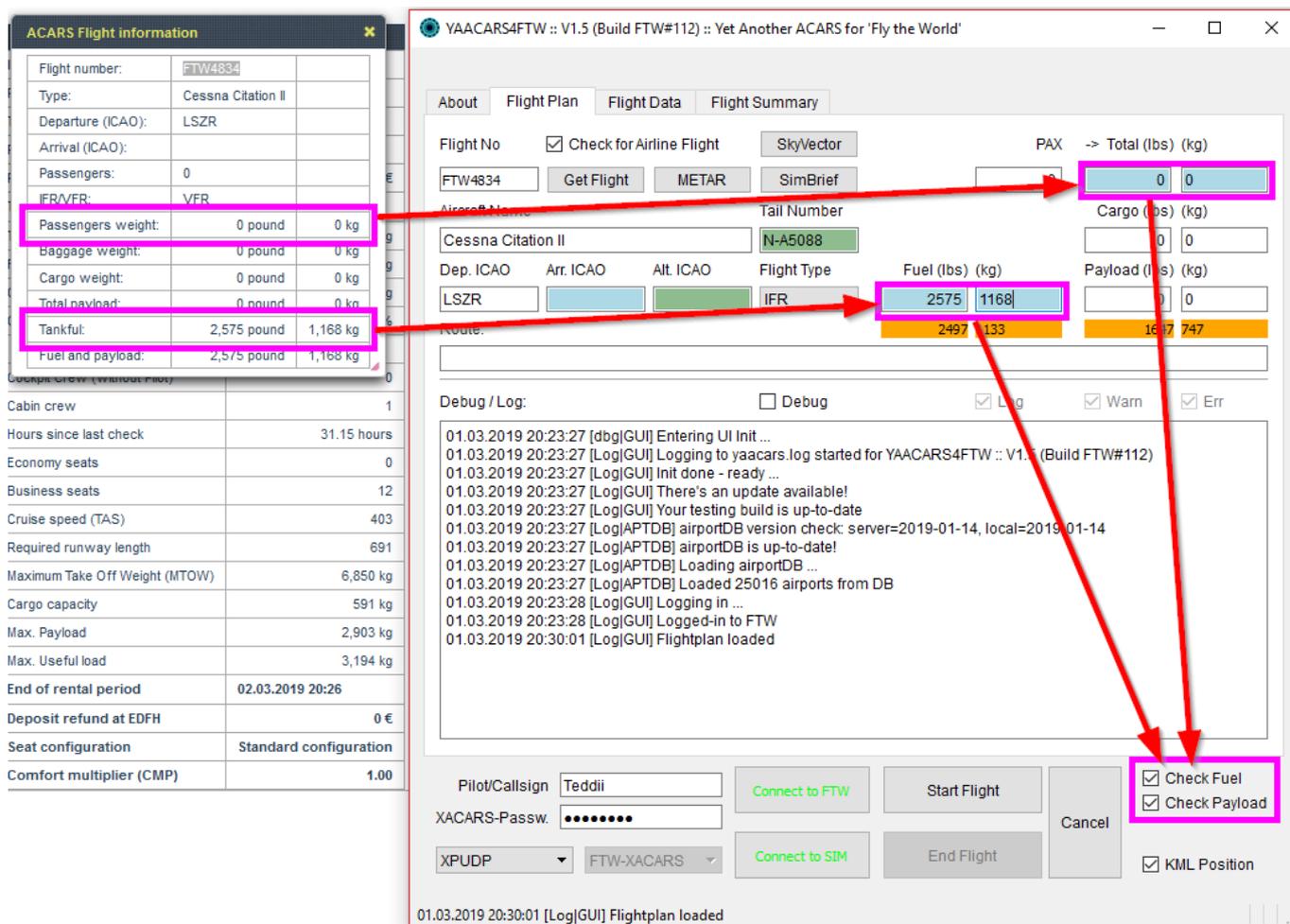
# Adapting the Flightplan

You now should enter the fuel weight (the client will check for the correct fuel levels in the sim against this value, if the checkbox "check fuel" is enabled).

Alternatively you can disable the "fuel check" feature, but be aware that the flight may fail to log correctly at the end of the flight.

You can also change the following data in the client: \* the true total weight of the passengers (only needed, if you want to use the "apply weight" feature): the client only receives the number of pax and calculates a pax weight. You can enter the more precise values from the FTW website into the client (no longer needed in 2.0)

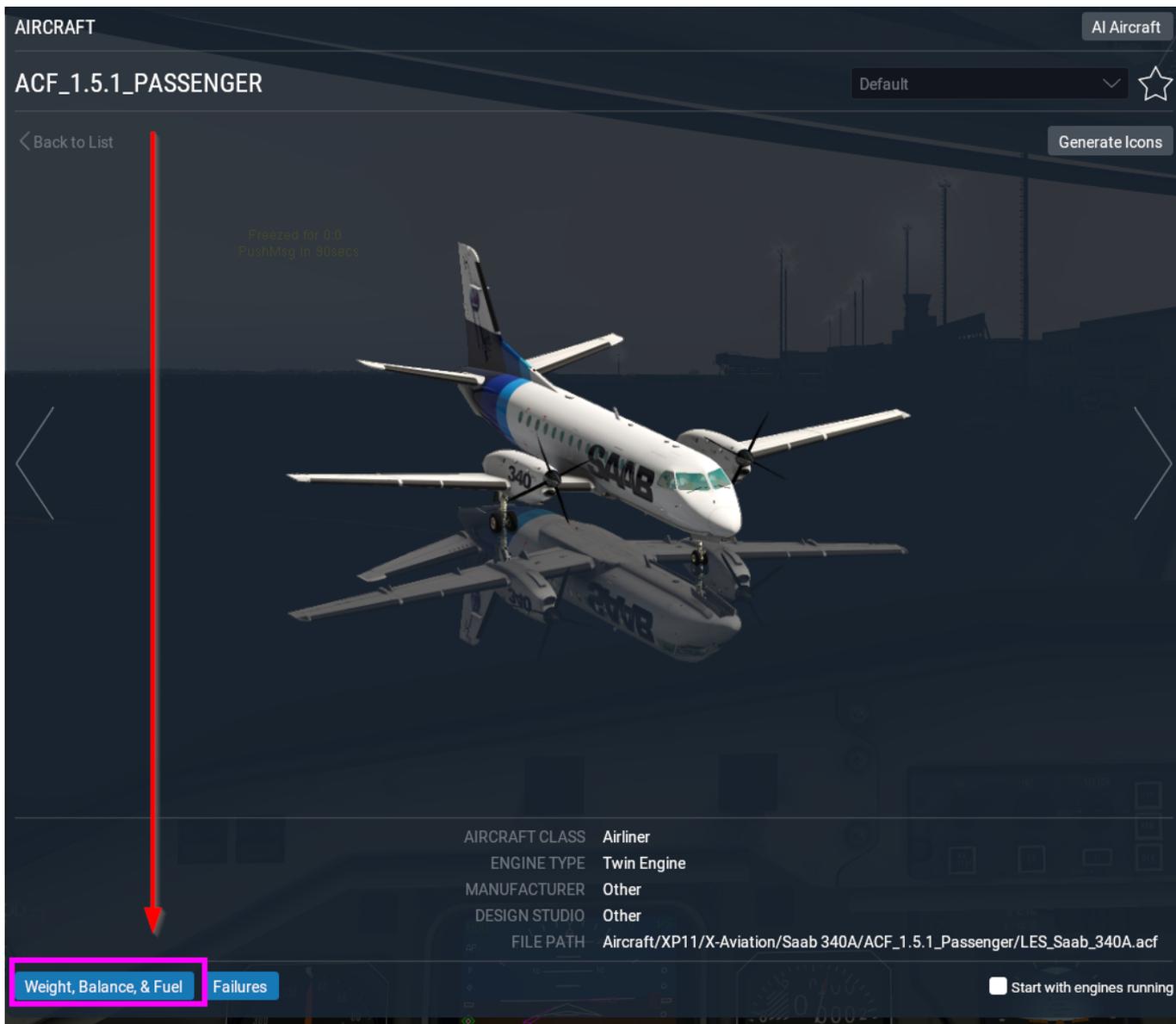
- Arrival ICAO (if it's wrong or empty from a transfer flight)



## Prepare your Plane (in X-Plane)

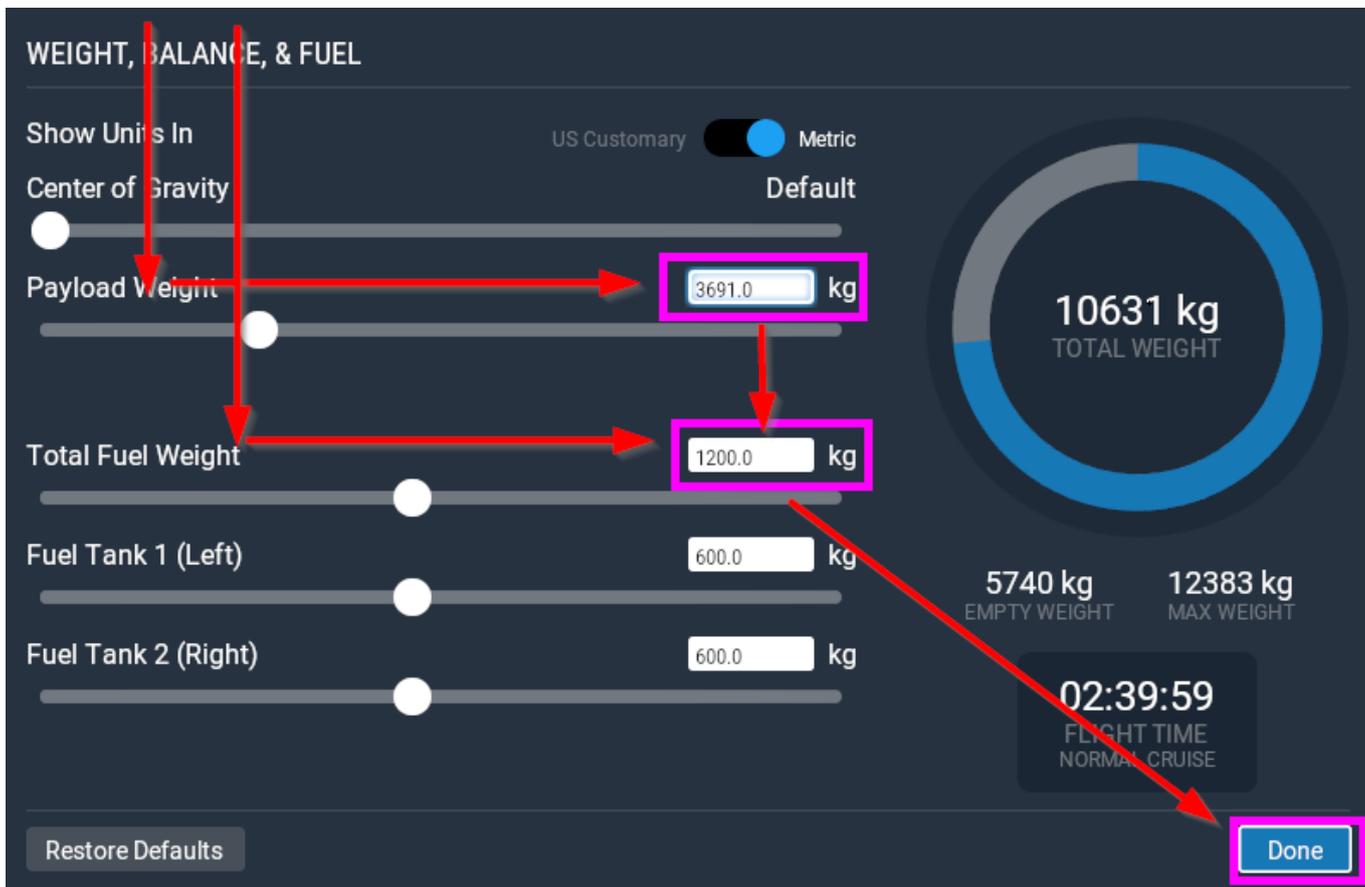
Apply the weights from the FTW website "fuel weight" and "total payload" to your plane in X-Plane (or use the YAACRS-Interface or the loadManager-Script for X-Plane, if you don't want to do it manually):

The screenshot displays the Yaacars aircraft selection interface. The main window is titled 'AIRCRAFT' and features a search bar and filter options for 'All Classes', 'All Engine Types', 'All Manufacturers', and 'All Studios'. It shows 60 results, with a 'Favorites' section at the top. The 'Airliner' section contains a grid of aircraft models, including '727 Series Pro V3 -200F', 'ACF\_1.5.1\_Passenger', 'ACF\_current', 'An-24 Pamik Simulations', 'Boeing 737-800', 'Boeing 747-400', 'Boeing 767-300ER XP11', 'Boeing 767-300PW', 'Boeing 767-300PW', 'FJS 727-200Adv for XP11', 'MD-82', 'Rotate MD-80 XP11', 'Rotate MD-80 XP11', 'VSKYLABS C-47 Skytrain FLP', 'VSKYLABS C-47 Skytrain FLP', and 'YK40'. The 'ACF\_1.5.1\_Passenger' model is highlighted with a pink 'Customize' button. On the right side, there is a 'LOCATION' panel with a search bar and a table of airport names, IDs, and features. The current location is 'LFMT, Ramp A1' with a 'Change Location' button. Below the location panel is a 'WEATHER' panel showing 'Clear' conditions and a 'TIME OF DAY' panel showing '6:29 local'.



ACARS-Fluginformationen

Flugnummer:	FTW7658	
Typ:	Saab 340B	
Abflug (ICAO):	LFMT	
Ankunft (ICAO):	LFBD	
Passagiere:	35	
Flugregeln:	VFR	
Gewicht der Passagiere:	5.340 Pfund	2.422 kg
Gewicht des Gepäcks:	893 Pfund	405 kg
Gewicht Cargo:	1.905 Pfund	864 kg
Payload gesamt:	8.138 Pfund	3.691 kg
Tankfüllung:	2.500 Pfund	1.200 kg
Treibstoff und Nutzlast:	783 Pfund	4.891 kg



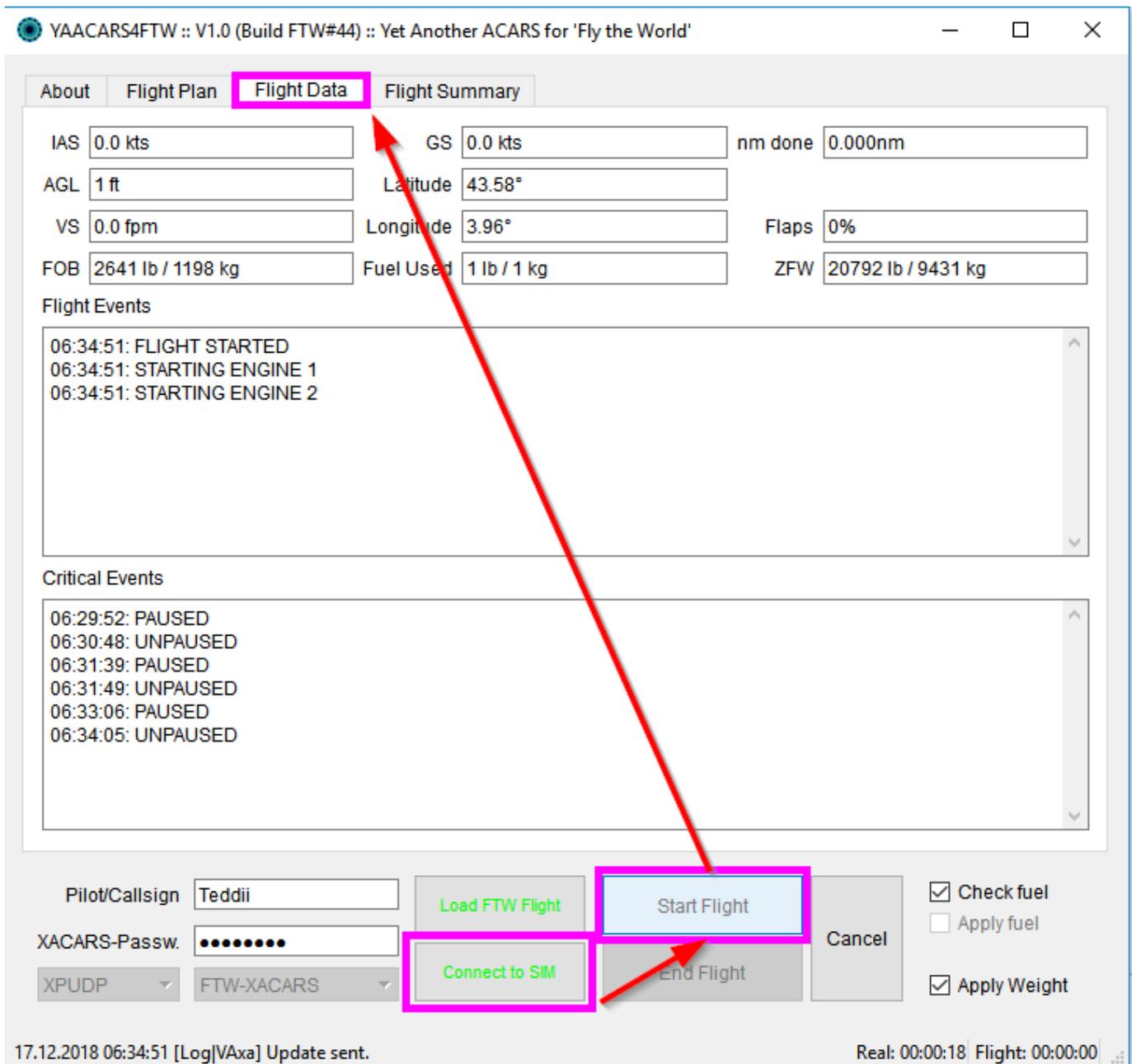
## Start the Flight Tracking

Make sure, you are connected to the simulator:

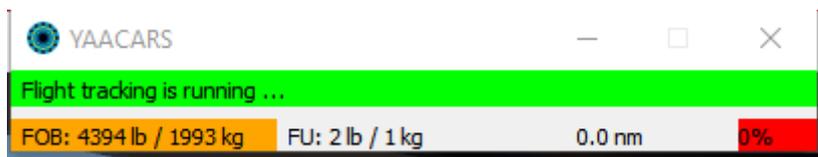
- “Connect to SIM” button is green
- if yellow or red, click to connect
- if still red, make sure:
  - check you set the right connection method XPUDP/FSUIPC
  - the plane is loaded (not in Main Menu!)
  - check your firewalls etc blocking the UDP connection
  - ask for help!

and then click “start flight” button.

After the flight tracking has successfully been started, the client will move over to the “Flight Data” tab.



PLEASE NOTE, that on newer versions of YACARS there's a so-called info bar, a small foreground overlay window that can be toggled in the lower right section of the main window. This info bar shows the important details of the flight without the need to have YACARS' main window in sight all the time!



Several error popups can show up, for wrong fuel settings, wrong plane location, not connected to the sim, which are not discussed in detail here. If you can have any questions about the error messages, please use the contact link shown in the "about" tab.

This is, for example, an error popup message for the detection of mismatching fuel levels...

The screenshot shows the YAACARS4FTW software interface. At the top, it says "YAACARS4FTW :: V1.0 (Build FTW#44) :: Yet Another ACARS for 'Fly the World'". Below this are tabs for "About", "Flight Plan", "Flight Data", and "Flight Summary".

The "Flight Data" tab is active, displaying the following information:

- Aircraft Name: Saab 340B
- Aircraft ICAO: [Empty]
- Tail Number: NA4711XA
- Type of Flight: IFR
- Departure ICAO: LFMT
- Arrival ICAO: LFBD
- Passengers: 35
- Fuel (lbs) (kg): 2646 / 1200
- Flight Number: FTW7656
- Alternative: LFBD
- Tot. PAX Weight (kg): 2422
- Cargo (lbs) (kg): 2798 / 1269

A "Route:" field is empty. Below the flight data is a "Debug / Log:" section with a "Debug" checkbox. A log entry reads: "17.12.2018 06:32:14 [Log|GUI] checkFuel is tuned on:". A modal dialog box titled "Check fuel levels" is overlaid on the log, containing a warning icon and the text: "Fuel levels mismatch! FTW: 2646lb/1200kg <=> X-Plane: 2803lb/1271kg!". An "OK" button is at the bottom of the dialog.

At the bottom of the interface, there are input fields for "Pilot/Callsign" (Teddi) and "XACARS-Passw." (masked). There are buttons for "Load FTW Flight", "Start Flight", "End Flight", and "Cancel". Checkboxes for "Check fuel", "Apply fuel", and "Apply Weight" are visible on the right. A status bar at the bottom left shows: "17.12.2018 06:32:14 [Log|GUI] checkFuel is tuned on:".

## In-Flight Events

There are only two events for now that will cancel (in YAACARS 1.4) or pause (in YAACARS 1.5+) the flight tracking:

- WARPing: your plane moves a pretty large number of miles in a pretty short time
- REFUELing: your fuel tank levels rise compared to last measured value

WARPing will result in not adding the "warped" distance to the tracked distance (that needs to be at least 100% at the end of the flight!).

REFUELing will pause the flight tracking (stop counting tracked distances and flight time), until the last known fuel level is reached again.

YAACARS 1.5+

YAACARS4FTW :: V1.5 (Build FTW#112) :: Yet Another ACARS for 'Fly the World'

Flight tracking suspended due to refuel ...

About Flight Plan Flight Data Flight Summary

Zero Fuel Weight	9706 lb / 4402 kg	IAS	-3.9 kts	LAT	47.484390°	DEP	0.2 nm
Fuel On Board	2573 lb / 1167 kg	GS	0.0 kts	LON	9.566271°	flown	0.0 nm > % done 0
Fuel Used	0 lb / 0 kg	AGL	-0 ft			ARR	369.8 nm > % done 0
		VS	0 fpm			ALT	369.8 nm Sim Rate 1

Flight Events

- 20:50:57: FLIGHT STARTED
- 20:50:57: STARTING ENGINE 1
- 20:50:57: STARTING ENGINE 2
- 20:51:01: PAUSED
- 20:51:11: UNPAUSED
- 20:51:12: REFUEL: 2572.6<=>3332.0 lb / 1166.9<=>1511.4 kg
- 20:51:17: REFUEL: 2572.6<=>3331.4 lb / 1166.9<=>1511.1 kg
- 20:51:22: REFUEL: 2572.6<=>3330.8 lb / 1166.9<=>1510.8 kg

Copilot Callouts

Picky Paul said at 20:50:57: Hi! I'm your copilot for today! How are you doing?

Pilot/Callsign: Teddii  
XACARS-Passw: .....

XPUDP FTW-XACARS

Connect to FTW Start Flight Cancel  
Connect to SIM End Flight

Check Fuel  
 Check Payload  
 KML Position

01.03.2019 20:51:22 [Log|EVTs] Event: REFUEL: 2572.6<=>3330.8 lb / 1166.9<=>1510.8 kg RT:00:00:25 Blk:00:00:03 Flt:00:00:00

## Enjoy your Flight



## End Flight Tracking

After landing the “end flight” button should be enabled, so you can send the pirep to the server.

## Resuming a Flight

[Resume FAQ](#)

## Gimmicks

## KML files

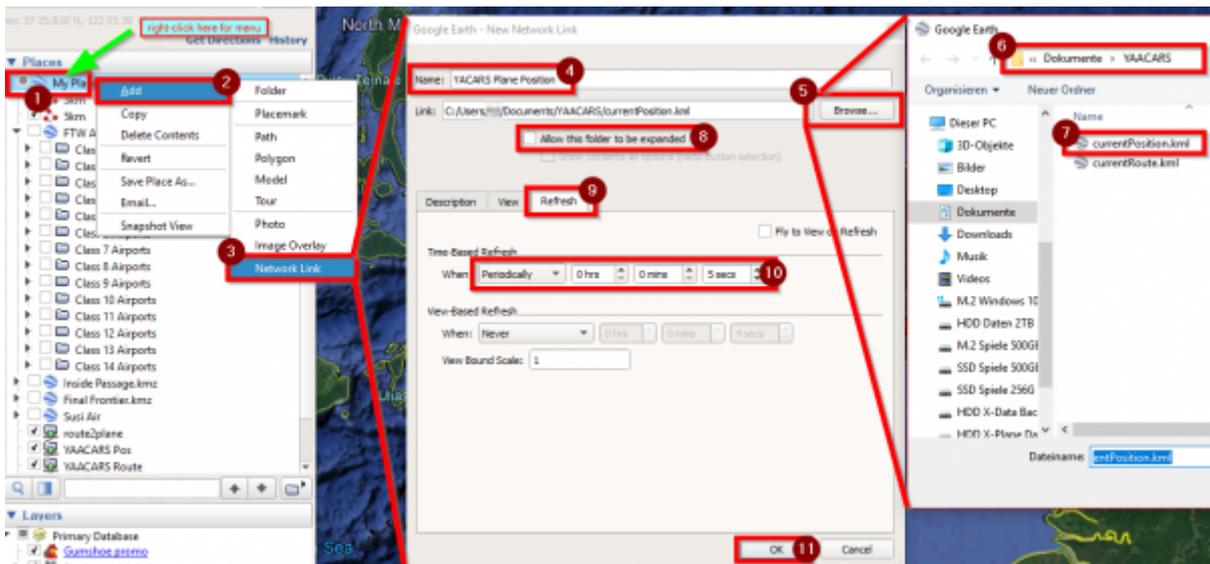


YAACARS generates KML files for Google Earth, if it's enabled on the lower right side of the client.

These files are generated:

- currentPosition.kml - your plane's position
- currentRoute.kml - your loaded FTW flight

These files can be embedded to Google Earth as “net links”, so they are updating automagically from time to time:



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<http://wiki.ftw-sim.de/doku.php?id=yaacars:start>

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