

CANADA AIR



Pilot Tutorials

Updated June 2024

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Canada Air Tutorials

Welcome to the tutorials document. We hope this serves as a guideline to get you started on your journey with our airline. We want you to enjoy your experience here with us.

Welcome to Canada Air Virtual!

CAN1001 – Rod J
Founder and CEO



Installing

FSUIPC and XPUIPC

In order to properly interact with Canada Air Virtual, you will need to download a small add-on. Going forward, you will use this add-on to launch your simulator so that it automatically interfaces with our ACARS software and website.

Here are some great instructions for installing FSUIPC for MSFS, P3D, FSX, and FS2004 users.

https://wiki.fshub.io/lrm-client/installing_fsuipc

Here are some great instructions for installing XPUIPC for X-Plane users.

https://wiki.fshub.io/en/lrm-client/installing_xpuipc

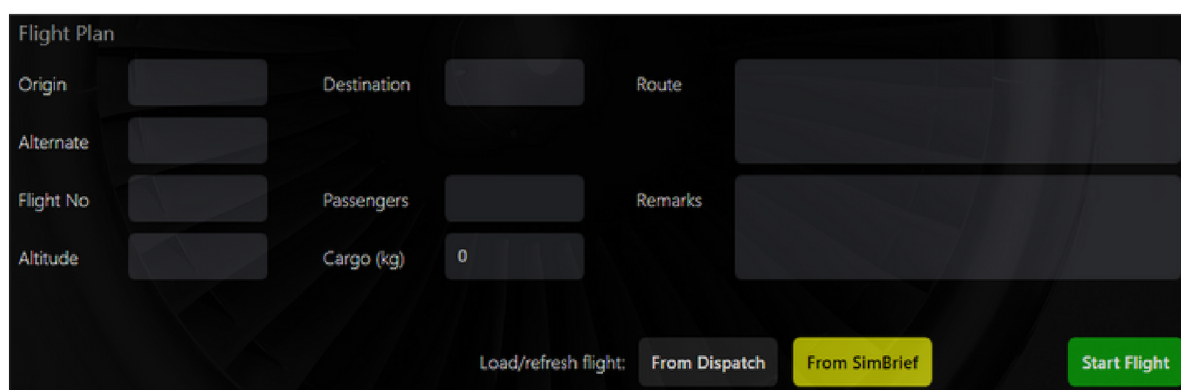
Installing **ACARS**

ACARS (Aircraft Communications Addressing and Reporting System) is a digital datalink system for transmission of short messages between aircraft and ground stations via airband radio or satellite. Most virtual airlines use some version of this small software to connect their flight tracking with the simulators themselves.

To install ACARS, visit https://acars.vabase.com/Client/publish_client.htm and follow the instructions.

When you launch ACARS and log in, use the same credentials as the ones you use for the CAV website.

Using ACARS

A screenshot of the ACARS Flight Plan interface. The interface is dark-themed with white text. It features several input fields for flight details: Origin, Destination, Route, Alternate, Flight No, Passengers, Remarks, Altitude, and Cargo (kg). The Cargo field is pre-filled with the number '0'. At the bottom, there are three buttons: 'Load/refresh flight:', 'From Dispatch', 'From SimBrief' (highlighted in yellow), and 'Start Flight' (highlighted in green).

Flight Plan			
Origin	<input type="text"/>	Destination	<input type="text"/>
Alternate	<input type="text"/>	Route	<input type="text"/>
Flight No	<input type="text"/>	Passengers	<input type="text"/>
Altitude	<input type="text"/>	Cargo (kg)	<input type="text" value="0"/>
Remarks		<input type="text"/>	
Load/refresh flight: <input type="button" value="From Dispatch"/> <input type="button" value="From SimBrief"/> <input type="button" value="Start Flight"/>			

Once ACARS is open you must load your flight. You have 3 options:


1. Load a flight From Dispatch
2. Load a flight From SimBrief
3. Enter fields manually.

Once the fields are complete, you can start your flight. To learn how to load flights via Dispatch or SimBrief, please read those sections further down in this document.

Searching the Flight Database

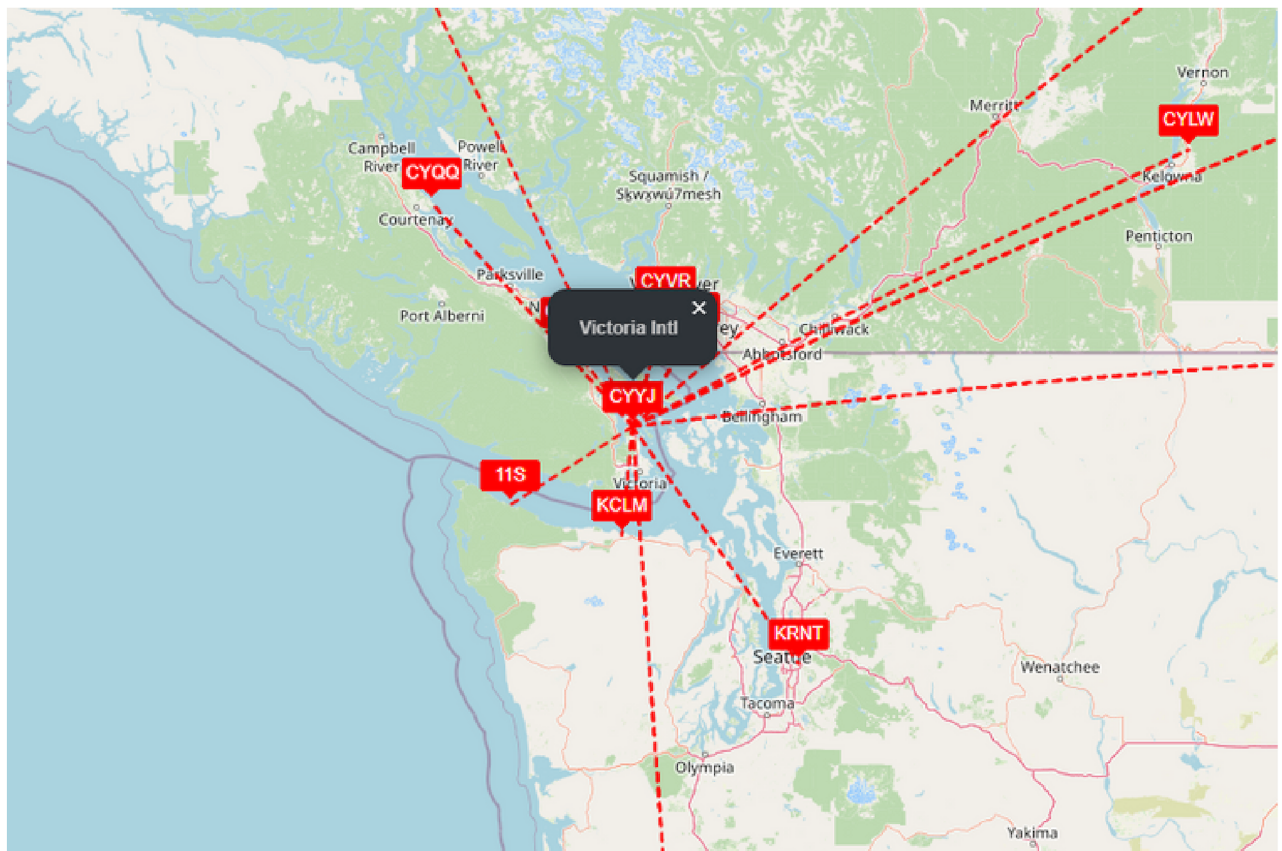
Flights can be found a couple of different ways. Whether you're looking to fly to or from a particular airport, fly a certain distance, or look at what our partners have to offer, you can search our database of nearly 14,000 flights.

If you want to search by schedule, you can enter any of these parameters:

 Use the filters below to search all flight schedules.
Alternatively, you can search for flights on the **route map**.

Flight Number	<input type="text"/>	Departure ICAO	<input type="text"/>
Arrival ICAO	<input type="text"/>	Aircraft	<input type="text" value="Select aircraft"/> ▼
Operator	<input type="text" value="Select operator"/> ▼		

Or if you like, you can search using our route map by clicking on the airport of your choice:



Dispatching

SCHEDULED FLIGHT

One of the ways to send a flight to your ACARS system is to dispatch it. You can dispatch a flight using our scheduling system.

Search for a flight using the Route Map or Schedule options. Select the flight number of your chosen flight. Click on the Dispatch Flight button.

 **Dispatch Flight**

USING SIMBRIEF

SimBrief is a tool that accurately reproduces the briefing packages that real-world pilots use, as well as provide detailed fuel, time, and performance calculations based on real-world weather data. We highly recommend you consider using SimBrief to plan your flights.

Their help section, tutorials, and videos are very user friendly. Check them out at www.simbrief.com.

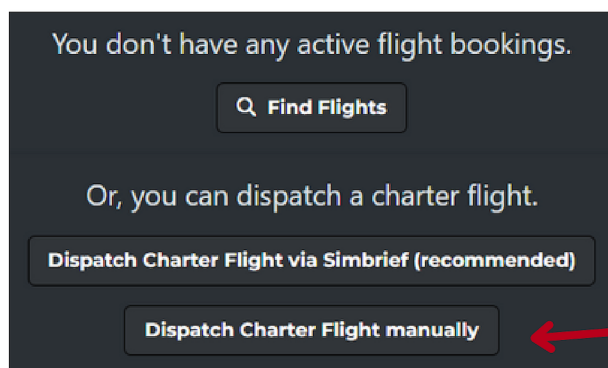
SimBrief by Navigraph 

DISPATCH A CHARTER FLIGHT

If you don't want to use SimBrief, you can still charter a flight.

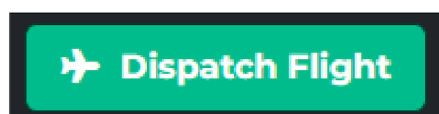
Go to Username > Dispatch.

Click on Dispatch Charter Flight Manually.



1. Aircraft ICAO or Name: Enter your airplane
2. Flight Number: Enter your Pilot number (e.g. CAN1001)
3. Departure ICAO: Enter your departure airport's ICAO
4. Arrival ICAO: Enter your arrival airport's ICAO
5. PAX: Enter the number of passengers
6. Cargo (kg): Enter your cargo weight
7. Route: Enter your route. If your flight is VFR, simply enter VFR.

Click on the Dispatch Flight button.



DISPATCH A TOUR FLIGHT

If you'd like to fly one of our tours, you must dispatch it from the Tours/Events page. Simply navigate to your favourite tour. Check the Tour Detail & Statistics section to determine if you need to fly the legs in order. Find the leg you wish to fly and select View.

Tour Legs					
#	Depart	Arrive	Flight Number	Aircraft	Completed
1	CYZF	CYXY	CANCA1	Any	View

Ensure the details of your flight and select Dispatch Flight.

 **Dispatch Flight**

Dispatch your flight normally through ACARS.

DISPATCH A TOUR FLIGHT USING SIMBRIEF

Dispatch your flight normally using the instructions above. Open SimBrief and plan your flight but **do not Dispatch From SimBrief in ACARS as your tour progress will not be recorded.**

Copy the Selected Route and paste it into the Route field in ACARS.

Route
FlightAware
SkyVector
PilotHub
GRD
ed1-gla
autorouter

Selected Route
62N122W LEXUB MEMLI GOROV1

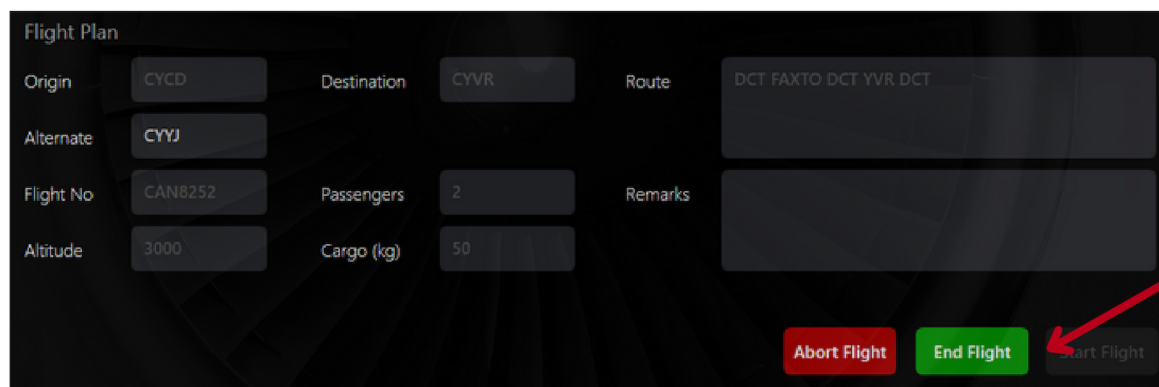
Route 62N122W LEXUB MEMLI GOROV1

You can now start your flight in ACARS.

Filing a **PIREP**

After landing and your engines are shut down, you can submit your PIREP.

Simply select End Flight in ACARS.



The screenshot displays the ACARS Flight Plan interface. It includes fields for Origin (CYCD), Destination (CYVR), Route (DCT FAXTO DCT YVR DCT), Alternate (CYYJ), Flight No (CAN8252), Passengers (2), Altitude (3000), Cargo (kg) (50), and Remarks. At the bottom right, there are three buttons: 'Abort Flight' (red), 'End Flight' (green), and 'Start Flight' (grey). A red arrow points to the 'End Flight' button.

Flight Plan			
Origin	CYCD	Destination	CYVR
Alternate	CYYJ	Route	DCT FAXTO DCT YVR DCT
Flight No	CAN8252	Passengers	2
Altitude	3000	Cargo (kg)	50
		Remarks	
<div>Abort Flight End Flight Start Flight</div>			

Filing a Manual PIREP

Go to Username > Manual PIREP

The screenshot shows a 'Flight Report Form' with the following fields and their corresponding numbers in red circles:

- Flight Number
- Date (format: yyyy-mm-dd)
- Departure ICAO
- Arrival ICAO
- Route
- Aircraft
- Distance (note: Distance is measured in nautical miles)
- Fuel Used (kg) (note: Fuel is measured in kilograms)
- Passengers
- Cargo (kg) (note: Cargo is measured in kilograms)
- Departure Time (Hours and Minutes dropdowns, note: Time is UTC)
- Arrival Time (Hours and Minutes dropdowns, note: Time is UTC)
- Block Time (Hours and Minutes dropdowns)
- Comments

A green 'Submit Report' button is located at the bottom right of the form.

1. Enter your flight number or Pilot ID (e.g. CAN1001).
2. Enter the date your flight took place.
3. Enter your Departure and Arrival ICAOs
4. Enter your route. If your flight was VFR, simply enter VFR.
5. Enter your aircraft.
6. Enter your distance in nautical miles.
7. Enter fuel used in kilograms.
8. Enter the number of passengers.
9. Enter the weight of the cargo in kilograms.
10. Enter your departure and arrival times.
11. Enter the duration of your flight.
12. Enter the reason for your manual PIREP.

Joining an Event

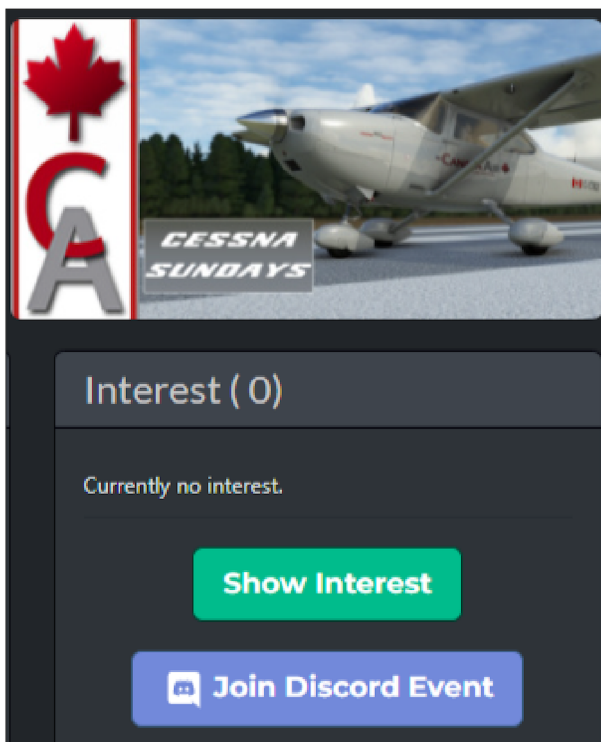
We have official CAV events on Fridays and Sundays. It is preferred that pilots sign up for these events so organizers know who to expect.

Go to Operations Centre > Tours/Events.

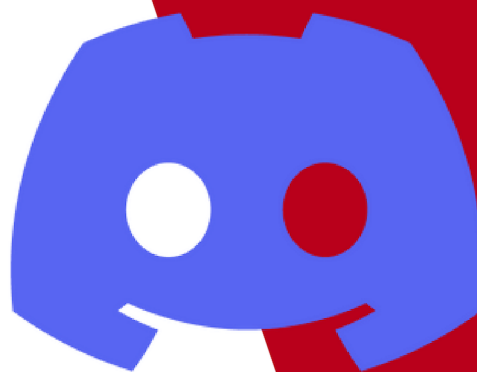
Select the event of your choice.

Click on both Show Interest and Join Discord Event buttons.

The Join Discord Event button will open Discord and take you to the event page. Select "Interested".



Joining Discord



We encourage all pilots to sign up and check Discord regularly. It is CAV's centralized place to ask questions, seek help, troubleshoot, share screenshots, and generally connect with other CAV pilots.

Discord has some great articles on how to get set up step by step. Check them out here:

<https://support.discord.com/hc/en-us/categories/115000217151>

