



# Curtiss JN-4 Jenny MANUAL



# Preface

## FOR SIMULATION USE ONLY - DESIGNED FOR SINGLE-PILOT OPERATIONS

This guide is designed to help provide a straightforward set of instructions to aid in operating the Curtiss JN-4 Jenny. It has been produced using multiple real-world JN-4 Operator manuals from various dates, with modifications to various procedures to make them more manageable in-game.

## PHOTOSENSITIVE SEIZURE WARNING

A very small percentage of people may experience a seizure when exposed to certain visual images, including flashing lights or patterns that may appear in video games. Even people who have no history of seizures or epilepsy may have an undiagnosed condition that can cause these “photosensitive epileptic seizures” while playing video games.

Immediately stop playing and consult a doctor if you experience any symptoms.

These seizures may have a variety of symptoms, including light-headedness, altered vision, eye or face twitching, jerking, or shaking of arms or legs, disorientation, confusion, or momentary loss of awareness. Seizures may also cause loss of consciousness or convulsions that can lead to injury from falling down or striking nearby objects.

Parents should watch for or ask their children about the above symptoms. Children and teenagers are more likely than adults to experience these seizures.

You may reduce risk of photosensitive epileptic seizures by taking the following precautions:

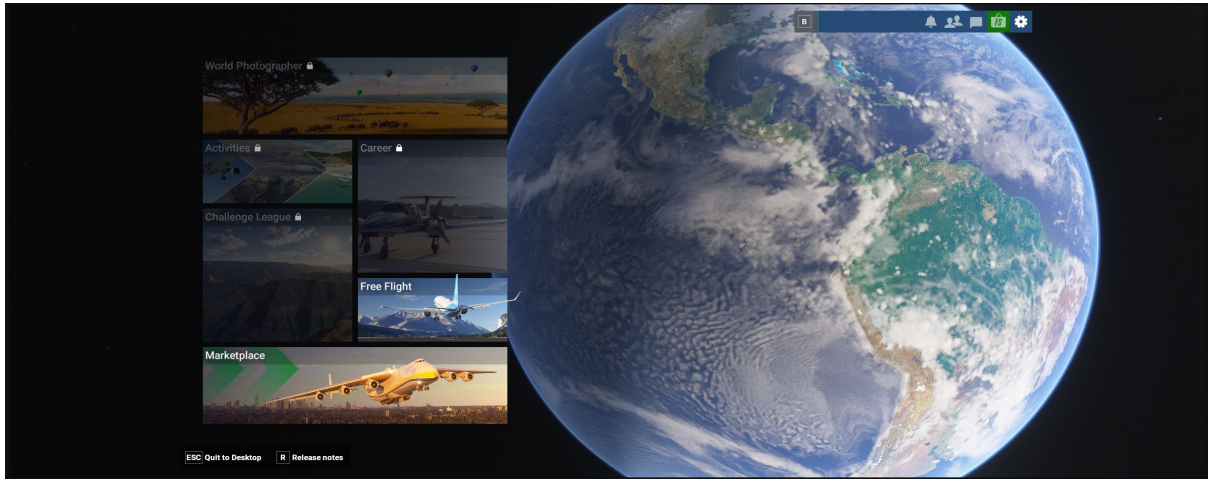
- Play in a well-lit room.
- Do not play if you are drowsy or fatigued.

If you or any of your relatives have a history of seizures or epilepsy, consult a doctor before playing video games.

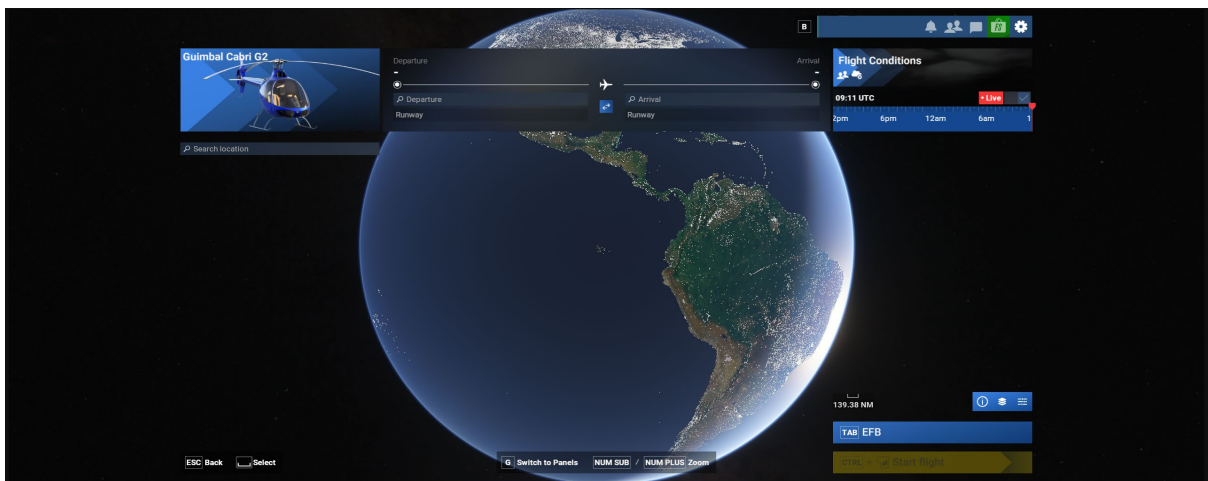


# Aircraft Selection and Liveries

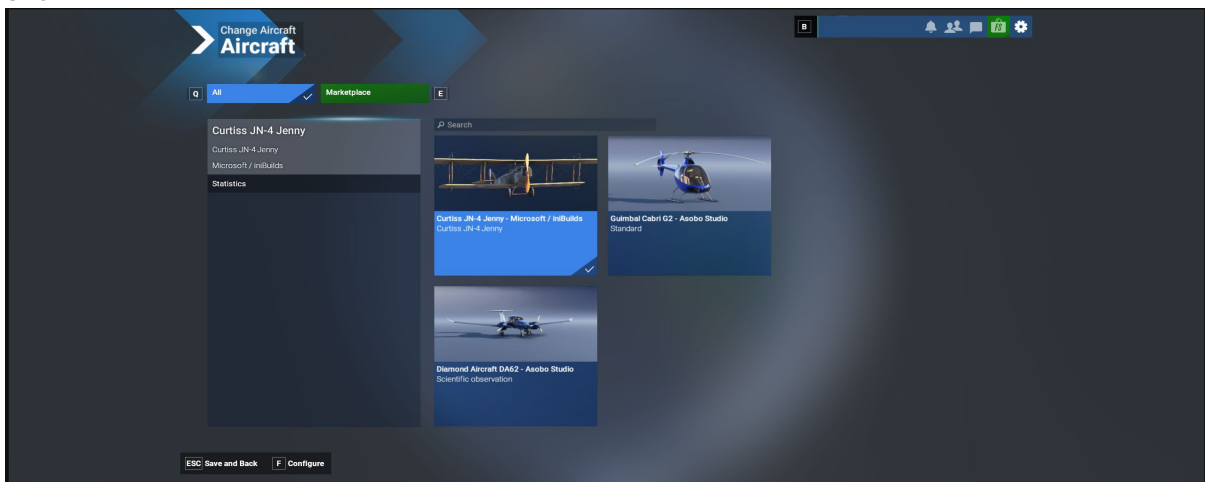
To fly the Curtiss JN-4 Jenny, you need to select it from the Aircraft Selection menu. Select Free Flight from the main menu.



Then click on the Aircraft selection icon in the top left.

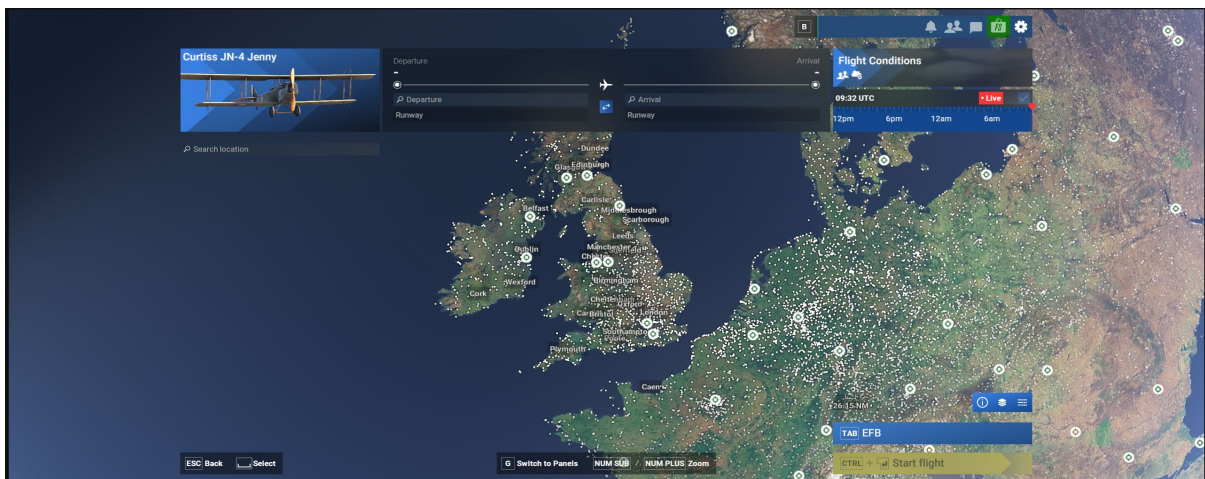


Scroll until you see the Jenny JN-4 or type in the search bar “Jenny” or “JN-4” and the aircraft will show.



Select the aircraft and press Save and Back, or press escape.

Enter your required airport or scroll around the globe to select it, then hit Fly or Ctrl+Enter.



# Pre-Flight Walk Around

Microsoft Flight Simulator 2024 comes with a pre-flight walk around feature where you can interact with and check the status of your aircraft.

When you select a Ramp slot at your desired airport you will spawn outside of the aircraft.

Around the aircraft are various Pins, which can be toggled On or Off.



Click on the desired Pin to interact with the flight surface, which can be dragged to check movement or click on the tyre to check the wear and tear status of it.

To enter the cockpit click on the leather surround in the cockpit frame.



# Cockpit Interaction

Some knobs within the cockpit have interaction where you can push, pull, or scroll them for certain functions.

On the PC, left click the knob and push the mouse for "push" interaction and pull the mouse for "pull" interaction whilst holding the mouse button down. Some functions also may have middle-mouse button "scroll" or right-mouse click "set" functions.

On the Xbox, press **A** to interact with the knob and use **A** to "push", **X** to "pull" Right Stick to "scroll" and **B** to finish the interaction.



# Electronic Flight Bag (EFB)

There is an Electronic Flight Bag (EFB) phone located behind the stick next to the batteries which allows for radio interaction within the aircraft. There is also a Compass page which shows direction and Indicated Air Speed (IAS).

To Show/Hide the EFB, click on the bracket on the right side of the cockpit, indicated below. This allows you to hide the EFB during flight if you should wish to do so. The radios will still work with the EFB hidden.







# Checklists

Whilst this guide offers comprehensive details along with the Quick Reference Card (QRC), there are handy procedure checklists built within the simulator which can be found by pressing Tab, or whichever key you have bound to bring up the EFB.



Select the aircraft icon.



Then select Checklists.



## Important Notes and Substitutions

The aircraft was typically manoeuvred into position at the end of the runway, or storage point by hand. However, we have added the ability to steer the aircraft on the ground using rudder controls for gameplay purposes.

**Warning!** The aircraft does not have any toe-brakes implemented, which is true to life. To slow the aircraft down upon touchdown, with reduction of speed pull the stick fully aft to ensure the tail skid is on the ground and using friction to slow down.



# Curtiss JN-4D Jenny Specifications

Cruise Speed: 55 MPH

Max Altitude: 6000 Ft

Max Weight: 1,920 Lb

Range: 135 Miles

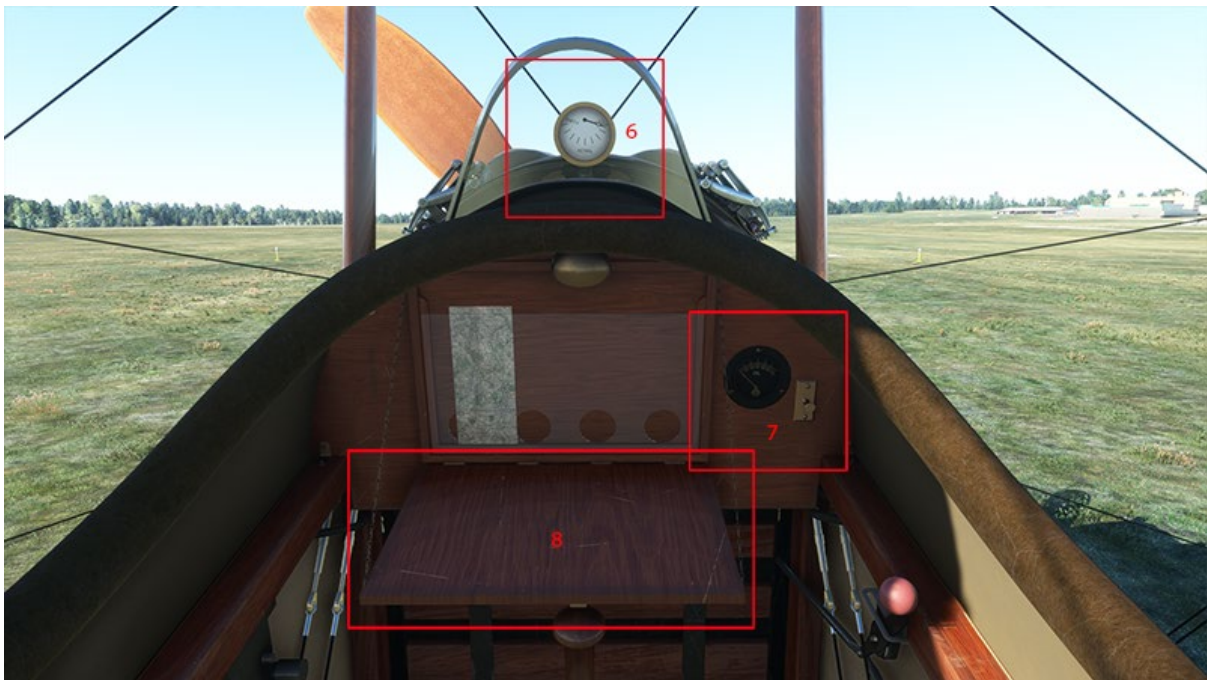
Fuel Capacity: 20 Gal

Length: 27.5 Ft

Wingspan: 44 Ft



# Cockpit Layout

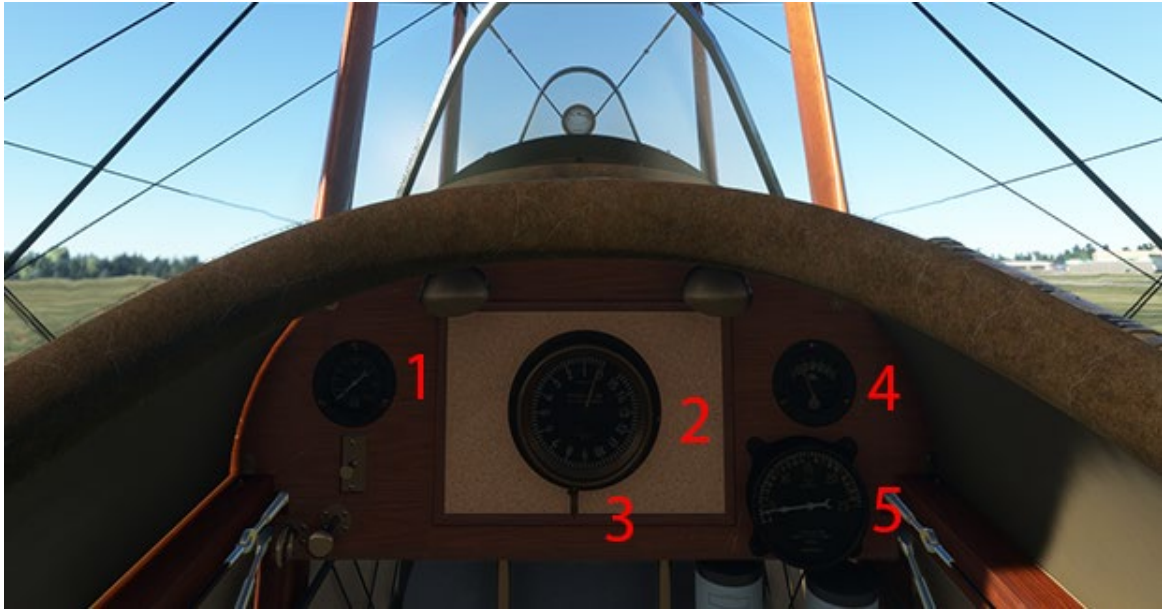


- 1. Altitude Ring
- 2. Engine, Fuel and Lights
- 3. Instruments
- 4. Magnetos

- 5. Fuel Cut Off Valve
- 6. Fuel Gauge
- 7. Instrument and Lights
- 8. Map Table

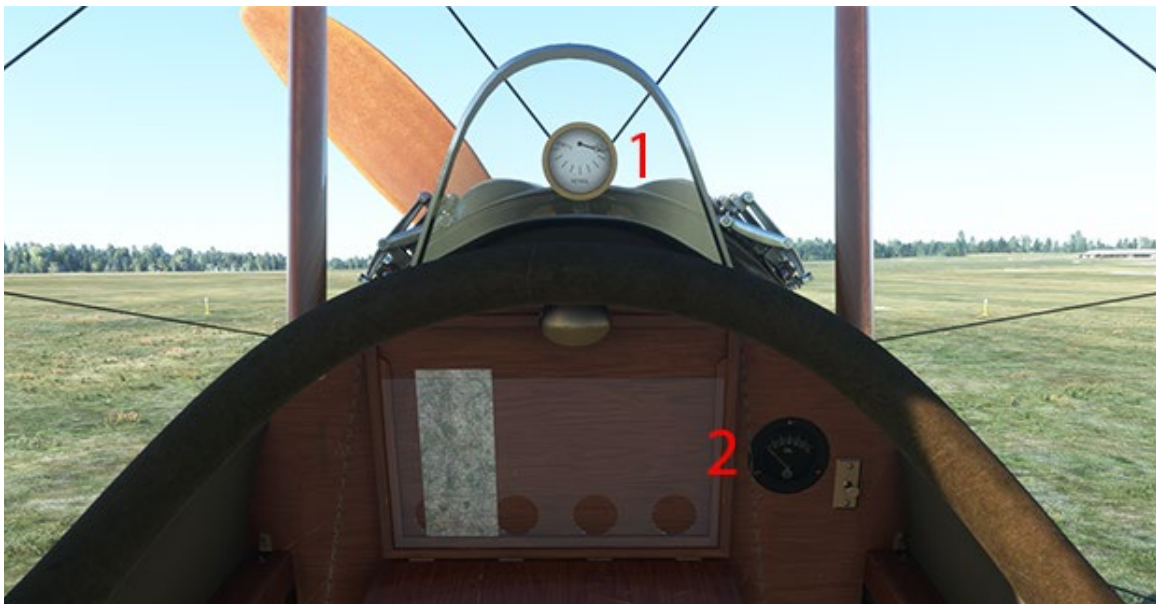


## Rear Cockpit Instruments (Pilot)



1. Coolant Temperature
2. Altitude Ring
3. Altitude Ring Lock
4. Oil Pressure
5. RPM

## Front Cockpit Instruments (Co-Pilot)



1. Fuel Gauge
2. Oil Pressure



## Rear Cockpit Levers and Switches (Fuel and Lights)



1. Light Switch (for front and rear)
2. Choke/Mixture Lever
3. Fuel Cut Off Ring



4. Fuel Shut Off Valve



## Rear Cockpit Levers and Switches (Magnetos)



1. Magneto Lever
2. Left Magneto Switch
3. Right Magneto Switch





### Pre-Flight Inspection

Fuel Shut Off Valve..... Closed  
Fuel Cut Off Ring .....Out  
Magneto Lever .....Aft  
Magneto Breakers.....Out  
Mixture/Choke ..... Fully In  
Propeller.....Still  
Cowlings .....Off  
Engine Visual Inspection ..... Complete

### Before Starting Engine

Cowlings ..... On  
Flight Controls..... Free and Correct Movement

### Starting Engine

Fuel Shut Off Valve..... Open  
Fuel Cut Off Ring .....In  
Magneto Lever ..... Forward  
Magneto Breakers.....In  
Mixture/Choke ..... Fully Out  
Throttle .....Open ½ inch  
Propeller Area ..... Clear  
Propeller..... Click to Throw Prop  
Panel Light..... As Required

### Normal Taxi, Take Off & Climb

Flight Controls..... Free and Correct Movement  
WARNING..... No Brakes Equipped  
Throttle .....Advance  
Taxi..... Slowly  
Steering ..... With Rudder

Stick ..... Hold Slightly Back  
Throttle..... Moderate Increase Until Full for Takeoff

### Cruise

RPM ..... 1100  
Cruise Altitude.....500-1000ft  
Engine Gauges..... Check within limits

### Normal Landing & Roll Out

Curved Approach to the Runway ..... Carry Out  
Maintain RPM ..... 1000 to 1100  
Monitor Speed vs Descent Rate..... Visually  
Throttle..... Idle at Threshold  
Control Stick .....Slightly Aft on touchdown  
Rollout ..... Monitor Visual Speed  
On Speed Reduction..... Stick Fully Aft

### After Landing & Shutdown

Fuel Cut Off Ring ..... Out  
Fuel Shut Off Valve..... Closed  
Magneto Lever .....Aft  
Magneto Breakers..... Out  
Propeller .....Still  
Panel Light..... Off