Full Flight Sim Manual

DESKTOP PILOT

FULL FLIGHT SIMULATOR USER MANUAL

CESSNA 172 SKYHAWK G1000 FULL FLIGHT SIMULATOR

01 GARMIN G1000-EQUIPPED COCKPIT

02 SUITABLE FOR PILOT TRAINING

03 CLOSELY REPLICATES REAL-WORLD OPERATIONS

Experience the Ultimate in Flight Training & Entertainment

Designed to provide an incredibly immersive and realistic flying experience, it's the perfect tool for aviation enthusiasts, aspiring pilots, and flight schools looking to enhance training capabilities.

With advanced features and precise simulations, this advanced aviation training device lets you explore the skies and refine your skills—whether at home or in a professional training environment.

NEED ANY INFO? CONTACT US!

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Introduction, Compatibility and Limitations

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INTRODUCTION

The Desktop Pilot Cessna 172 Skyhawk G1000 Full Flight Simulator is an engineer-designed, assemble-plug-and-play system that faithfully emulates a Garmin G1000-equipped Cessna 172 Skyhawk. This state-of-the-art simulator delivers a highly authentic flight experience by combining precision-engineered controls, high-fidelity displays, and accurate aircraft functionality that closely replicates real-world flight dynamics and procedures.

COMPATIBILITY AND LIMITATIONS

The hardware and software of the products developed by the manufacturer has been tested in and designed for the following conditions:

- **Software Version:** Skysync XPLN v5.0.0
- **Manual Version:** V5.0.0
- **XPlane Version:** 12.4.1
- **Operating System:** Windows 10/11
- **Dependencies:** Visual C++ v14 Redistributable 2017-2026

SAFETY, ELECTRICAL, AND COMPLIANCE NOTICE

This product is intended for **training and simulation purposes only** and is **not certified for real-world flight operations**.

Electrical Safety Compliance

- Ensure the simulator voltage setting matches the local mains supply before powering on.
- Use only grounded outlets and approved surge protection devices.
- Do not operate the simulator with damaged power cables or exposed wiring.
- Disconnect power before opening panels or performing maintenance.

Environmental Compliance

- Operate the simulator in a dry, indoor environment.
- Recommended operating temperature: **15°C–30°C (59°F–86°F)**.
- Avoid exposure to moisture, dust, or direct sunlight.

Operational Safety

- This simulator is **not a substitute for FAA, EASA, or CAAP-certified flight training devices**.
- Always supervise first-time users.
- Do not modify hardware or electrical components beyond procedures described in this manual.

Regulatory Disclaimer

This simulator does not claim compliance with FAA FTD, FNPT, or equivalent regulatory standards unless explicitly stated by the manufacturer.

Desktop Pilot Inc. assumes no liability for improper installation, misuse, or operation outside the scope of this manual.

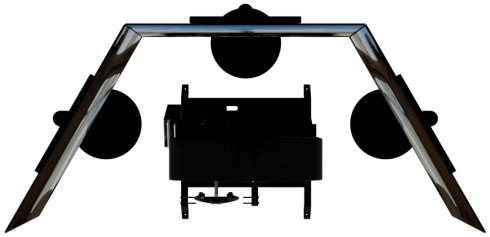
Hardware Setup

DESKTOP PILOT

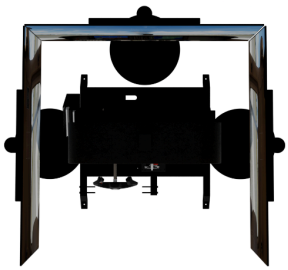
ASSEMBLY AND PHYSICAL SETUP

1. SELECT INSTALLATION AREA.

1.1. Choose a flat, stable surface with sufficient space to support the simulator's footprint and monitor configuration. Recommended monitor angles are 90° or 120°, depending on available space and desired immersion.



120° Angle Setup



90° Angle Setup

2. POSITION THE SIMULATOR.

2.1. Carefully place the simulator frame in the selected location. Use a **spirit level** on the top surface of the panel to ensure proper leveling for stable operation.

3. ATTACH FLIGHT SIM SEAT (IF INCLUDED).

3.1. For units with the seat add-on, align the mounting brackets with the pre-drilled holes on the simulator base. Secure them using the provided screws. Adjust the seat position for comfort and visibility.

4. SETUP STABILITY.

4.1. Verify that the simulator sits flat without rocking or movement. Apply spacers or rubber feet as needed to correct to compensate for uneven flooring.

ELECTRICAL CONFIGURATION

1. VOLTAGE CONFIGURATION.

1.1. The Desktop Pilot Cessna 172 Skyhawk G1000 Full Flight Simulator is designed to operate on 110 VAC. To use it with 220 VAC, follow one of the options below:

1.1.1. Use a step-up transformer to convert 110 VAC to 220 VAC.

1.1.2. Without using a step-up transformer

1.1.2.1. Remove the rear panel cover using the provided M4 Allen wrench.

1.1.2.2. Locate the voltage selector switch on the left side of the power unit.

1.1.2.3. Set the selector to 220 V, then reinstall the rear panel cover.

(**Important Notice:** Ensure the simulator's voltage setting matches the local mains supply.)

2. CONNECT POWER.

2.1. Plug the simulator's power cable into a **surge-protected, grounded wall outlet**. Use a **surge protector** or **UPS** with **ground fault protection**, especially in areas with unstable mains power.

2.2. Use a **three-prong plug** to ensure proper grounding. **Avoid** using **adapters** that remove the ground pin.

2.3. For professional or industrial installations, a dedicated grounded circuit is strongly recommended to prevent electrical noise or interference.

2.4. Locate the power switch near the power inlet and turn it ON.

2.5. Indicator lights or screen activity will confirm successful power delivery.

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COMPUTER SETUP

Important Notice: This manual was created using the peripherals, monitors, and environmental conditions listed below:

1. LED screen TV 65” - 3 pcs
2. Monitor 27” - 1 pc
3. Desktop Pilot Cessna 172 Skyhawk G1000 Full Flight Simulator - 1 pc
4. USB 3.0 to Video Graphic Display Converter (Wavlink) - 1 pc
5. 5m Display port to HDMI cable - 3 pcs
6. 2m HDMI to HDMI cable - 1 pc
7. 1m Display port to HDMI cable - 1 pc
8. 1.5m USB A to USB type B cable - 1 pc
9. 1.5m USB type A to type C cable - 1 pc
10. **With the following environment conditions.**
    - 10.1. Step down transformer 220VAC to 110VAC.
    - 10.2. Under room temperature.
    - 10.3. 2 hours flight tested.
11. **With computer hardware specification.**
    - 11.1. Operating system : Windows 11 Home 64-bit.
    - 11.2. Processor : AMD Ryzen 9 7950X3D 16-Core Processor.
    - 11.3. Memory : 64GB RAM.
    - 11.4. System Model : X870 WIFI7.
    - 11.5. GPU : NVIDIA GeForce RTX 5080 48GB VRAM.
12. **Software used:**
    - 12.1. Desktop Pilot Skysync Compatible with Xplane v3.0.0
    - 12.2. Xplane 12 v3.3.0

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SETTING UP THE HARDWARE

1. LED SCREEN TV 65”
    1.1. Connect the three LED TV units to the computer’s GPU using the 5 m HDMI-to-DisplayPort cables.
2. DESKTOP PILOT CESSNA 172 SKYHAWK G1000 FULL FLIGHT SIMULATOR.
    2.1. Connect the Desktop Pilot Cessna 172 Skyhawk G1000 Full Flight Simulator to the computer using the following:
        2.1.1. 1m Display port to HDMI cable (use GPU of the computer).
        2.1.2. 1.5m USB type A to USB type B cable (use USB 2.0 of the computer).
        2.1.3. 1.5m USB type A to USB type C cable (use USB 3.0 or below of the computer “Audio purpose only”)
3. MONITOR 27” (USE FOR INSTRUCTOR OPERATING STATION).
    3.1. Connect the 27” Monitor monitor as follows:
        3.1.1. USB 3.0 to Video Graphic Display Converter (Wavlink) to the USB 3.0 of the computer.
        3.1.2. Connect the USB 3.0 to Video Graphics Display Converter (Wavlink) and the 27” Monitor using a 2m HDMI to HDMI cable.
4. POWER-UP SEQUENCE
    4.1. Once everything is properly set up, power on the system in the following order:
    All three TVs → Monitor → Desktop Pilot Cessna 172 Skyhawk G1000 Full Flight Simulator → Computer (last).
    This sequence ensures that the assigned display settings load correctly.

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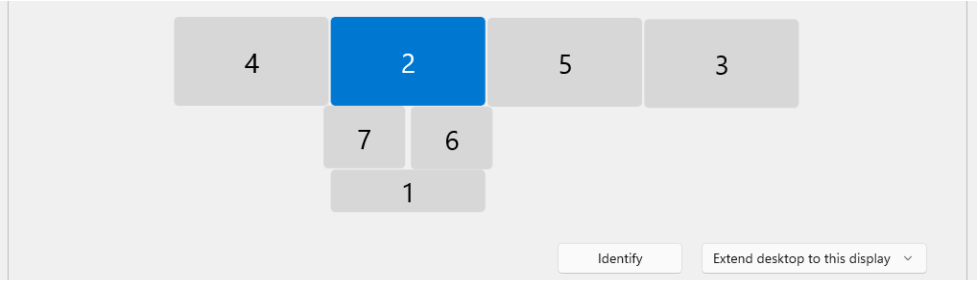
COMPUTER CONFIGURATION.

1. Verify that all displays are turned on.
2. **Optional:** If the G1000 (PFD and MFD) and the 27″ monitor do not display properly, do the following:
   - 2.1. Download and install the **WAVLINK WL-UG7602HC** driver . Then restart the Computer
3. Display configuration setup.
   - 3.1. Open **Windows Display Settings**: Start → Settings → System → Display.
   - 3.2. Set all displays to **Extended mode** by selecting **“Extend desktop to this display”.**
   - 3.3. Identify all Screen by selecting the identify button. Make sure that the screen is properly set up.
     - 3.3.1. Set the resolution as listed below.
       - 3.3.1.1. All TV screen 65” : 1920 x 1080
       - 3.3.1.2. 27” Monitor : 1920 x 1080
       - 3.3.1.3. G1000 Monitors (PFD & MFD) : 1024 x 768
       - 3.3.1.4. Multi-Instrument Panel Monitor: 1920 x 515

         (**Note:** Use the numbers shown on each display as a reference when applying these resolutions.)
   - 3.4. In **Windows Display Settings**, drag all screens to match their physical layout (see **SELECT INSTALLATION AREA → 1.1**), and drag the 27″ screen to the far right of the Windows Display Settings, as shown in the image below.



Important Notice: The display layout may become distorted if an HDMI cable is accidentally unplugged. Repeat these steps if this occurs.

HARDWARE SETUP

DESKTOP PILOT

Desktop Pilot Cessna 172 Skyhawk G1000 Full Flight Simulator hardware control verification.

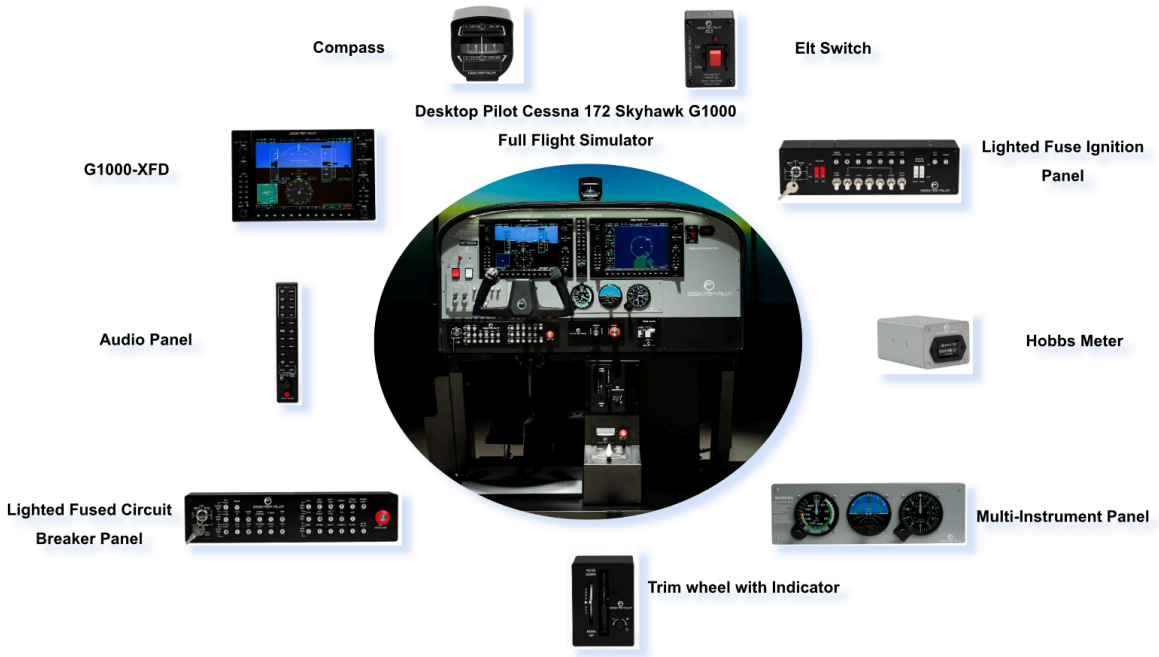
1. Verify that all screens are displayed properly.
2. Verify that the yoke is centered at the neutral (rest) position.
3. Verify that the circuit breaker panel contains all required key accessories.
4. Adjust the trim wheel friction using an **M4 Allen wrench**. The adjustment slot is located on the right side of the trim wheel.

   Note: Adjustment should be made at the user's discretion.
5. Verify that every skysync dependent controls are connected. (see Skysync (LOGS), XPLN or MSFS).

—-- PROCEED TO SOFTWARE SETUP —---

Software Setup - XPLANE

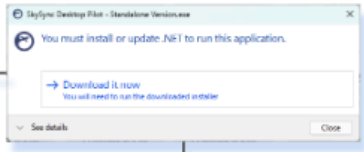
Skysync XPLN v5.0.0 is a software control tool used to connect the Desktop Pilot device (listed below) with X-Plane flight simulation software.



To fully enjoy the benefits of the listed products, follow the instructions to properly install and use the **Desktop Pilot SkySync** software.

1. Download and install the Skysync compatible with XPLN

Download it at https://www.desktoppilot.com/software/



1.1 a prompt may appear indicating that the **.NET Desktop Runtime** is required. Select "Download it now"

1.2 Once the download is complete, **run the installer** and follow the on-screen instructions to complete the runtime installation.

1.3 Run the Skysync Software

SOFTWARE MANUAL

2. After the initial installation, open **SkySync.**

PLUGIN - The necessary file needs to be plugged on the folder of X-Plane can be found here.

SKYVIEW – Contains all graphical display settings related to Skysync.

DEVICES - All full flight simulator controls and functions are located here.

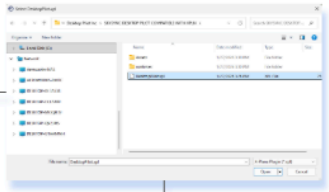
CALIBRATION – Sequential flight controllers calibration with customizable settings.

FLIGHT SIM COMMANDER– This feature is an Instructor Operating Station for flight setup.(To be patched soon)

FLIGHT CHECKLIST – This is the procedural guidelines for the pilots and users. Select the Flight Checklist you want to practice.

3. Ensure that the X-plane 12 is closed then insert the plugin.

3.1 Choose PLUGIN then select INSERT



3.2 Select **Desktoppilot.xpl** located at X:**\Program Files (x86)\Desktop Pilot Inc\SKYSYNC DESKTOP PILOT COMPATIBLE WITH XPLN**

3.3 A pop-up message will appear to confirm that the file has been successfully copied to **X-Plane 12\Resources\plugins\DesktopPilot\win_x64**.

3.4 Once **DesktopPilot.xpl** is saved to the folder, perform a software refresh by doing the following:

Close Skysync → Open X-Plane → Open Skysync .

4. Setting up the **X-plane**.

4.1 Open **X-plane** (**X-Plane version 12.4.1 is highly recommended**).

4.2 Start a **"NEW FLIGHT"** and select **Cessna Skyhawk (G1000)** as the aircraft.

4.3 **Select** the aircraft CESSNA SKYHAWK (G1000).

4.3.1 Uncheck **Start with engines running**.

4.3.2 Select **Weight, Balance & Fuel**, adjust values as needed

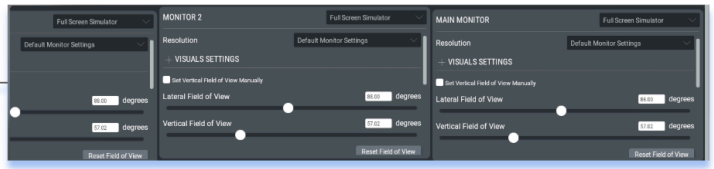
4.3.3 select **Done** → **Start Flight** and wait for X-Plane to load

5. During the flight, move the cursor to the top edge of the main monitor to display the X-Plane taskbar. From the right corner of the X-Plane taskbar, select the **Settings icon**.

5.1 Select the **Graphics tab**. Adjust the settings as shown below (Highly recommended).

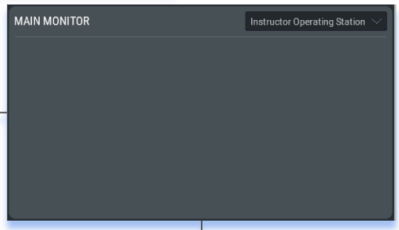
5.2 Under **Graphics tab - Monitor Configuration.** Set the TV monitor views as shown below (recommended for a three setup monitor) **Important Notice:** It is required to set up the **Windows display settings** to match the following under Monitor Configuration (see Monitor Screen Setup under Hardware Setup).

Left to Right	Monitor 1	Monitor 2	Monitor 3
Screen type	Full Screen Simulator	Full Screen Simulator	Full Screen Simulator
Resolution	Default	Default	Default
Lateral Field of View	88	88	88
Vertical Field of View	57.02	57.02	57.02
Lateral Rotation Offset	-90	0	90

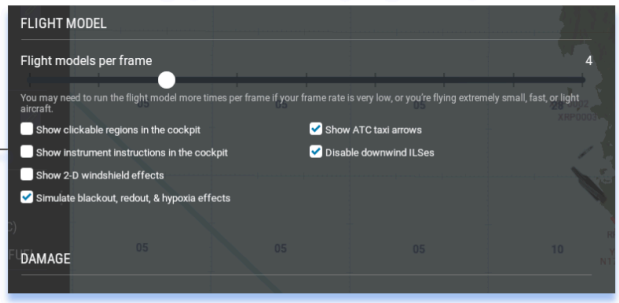


5.3 Set up the two XFD screens as shown. **(see instruction 7 if this is not available for display purpose)**

5.4 **(Optional) -** In the extra monitor located at the right most, set it as shown below:(this will serve as an Instructor Operating Station(IOS)).



5.5 Under **Settings** → **General Tab** → **Flight Model**, set the **Flight Model** to **4**. This increases flight stability by running the physics calculations faster than the graphics. After everything is set up, select 'Done'.



6. Open **Skyview** under Skysync Software then select "**Identify**".

6.1 This will display the assigned number for each monitor, as shown below.

6.2 In SkyView, fill in the MIP box with the assigned physical number of the MIP display. Then select **Set Screen** → **Pop Out MIP**. Then verify that the display is properly assigned to the correct physical monitor.

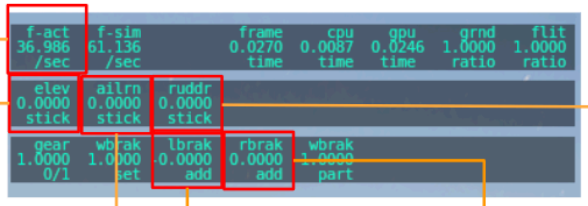
7. Flight Calibration.

Go to **X-Plane**→ **Settings** → **Data Output** → Select the following in "**Show in Cockpit**"

0	Frame rate :	☑
8	Joystick aileron/elevator/rudder :	☑
14	Gear & Brakes :	☑

7.1 Then select '**Done**.' The following will be displayed at the upper left of the main monitor, as shown below:

These data indicate whether the calibration has achieved the MAX, MIN, and CENTER values for the Yoke and Rudder setup.



Graphics Frame Rate: Recommended value **(30 and above)**. (If below the recommended adjust data on Graphic Settings of X-plane)

Push and Pull of Yoke: -1 for Maximum **push**, approximately **0** at center and **1** for Maximum **pull**

Left and Right of Yoke: -1 for Maximum **Left**, approximately **0** at center and **1** for Maximum **Right**

Rudder: -1 for Maximum **Left**, approximately **0** at center and **1** for Maximum **Right**

Right Brake: 0 for rest position, **1** for Maximum position

Left Brake: 0 for rest position, **1** for Maximum position

Desktop Pilot Cessna 172 Skyhawk G1000 Full Flight Simulator

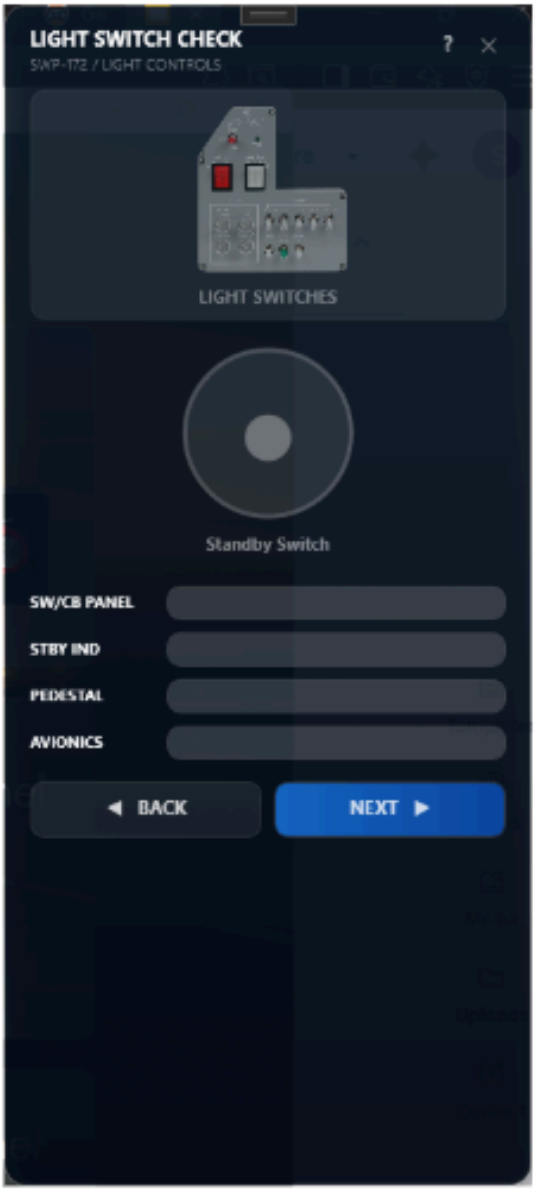
SOFTWARE MANUAL

Switch Panel

Under Devices **select**

Switch Panel.

To verify that all toggles, switches, and potentiometer hardware are functioning properly by operating each device function and checking in the software if they are working correctly.



Circuit Breaker

Under Devices **select** Circuit Breaker Panel

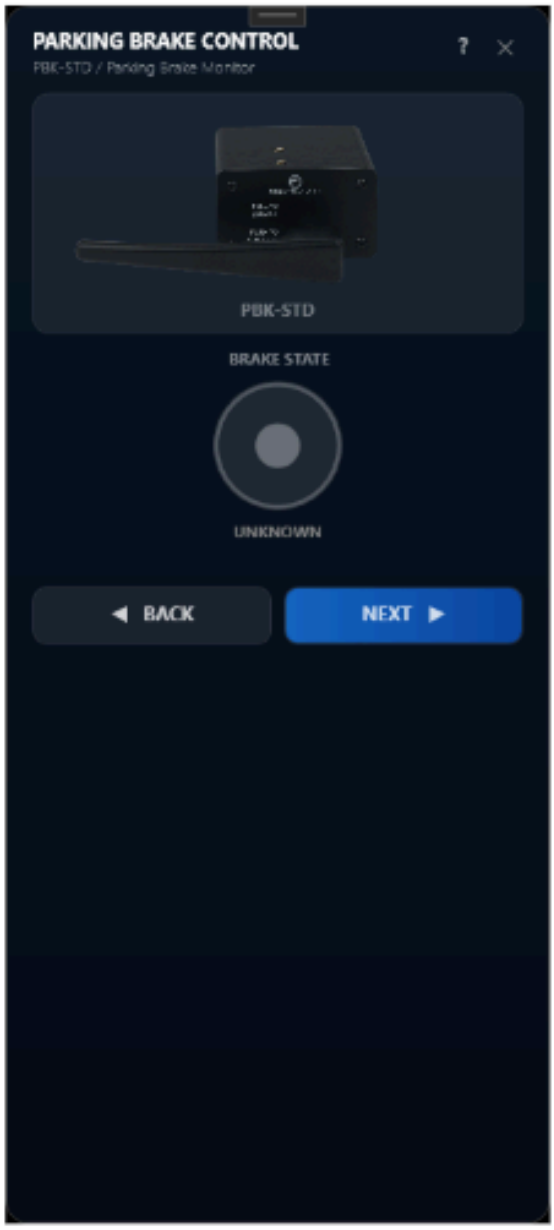
Select mode according to the device you want to enable. Click "**Ignition Panel** mode" for ignition panel function then **Circuit Breaker** mode for Circuit Breaker functions.

Parking Brake

Under Devices **select**

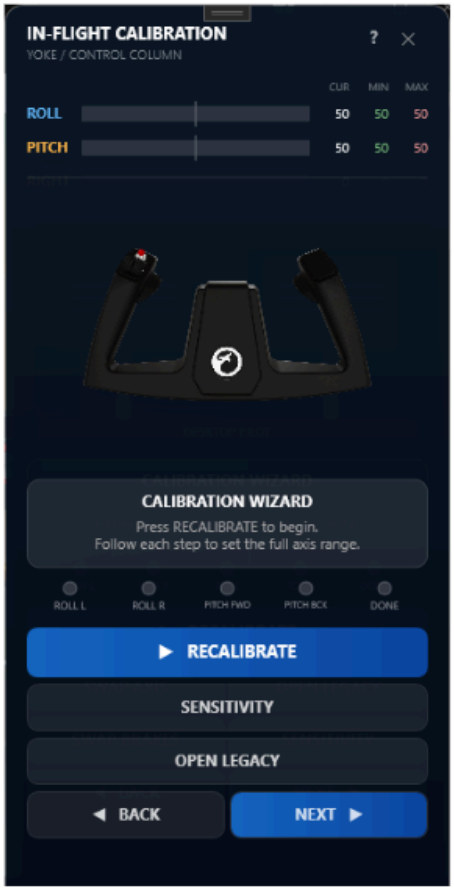
Parking Brake

To test the **Parking Brake** device by engaging and disengaging the brake, then checking in the software if the function is working properly.



Yoke

Under Devices **select** Yoke



Under **CALIBRATION**, To initiate Calibration click the button **Start Calibration**

To use the Old Calibration click the button **OPEN LEGACY**

To Adjust Yoke Sensitivity click **SENSITIVITY**

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Rudder

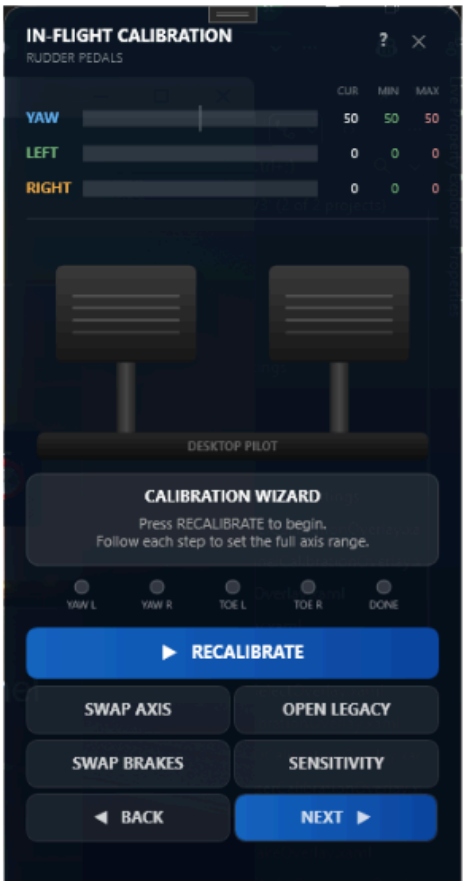
Under Devices **select** Rudder.

Under **CALIBRATION**, To initiate Calibration click the button **Start Calibration**

SWAP AXIS - Swap **Left Brake** with **Right Brake** and vice versa

Inverted output - when a reverse output is detected, in the X-Plane Rudder vs the physical rudder, click the button for inverted Toe Brake, select **"SWAP BRAKES" - Swap Min and Max of the Brake**

To use the Old Calibration click the button **OPEN LEGACY**



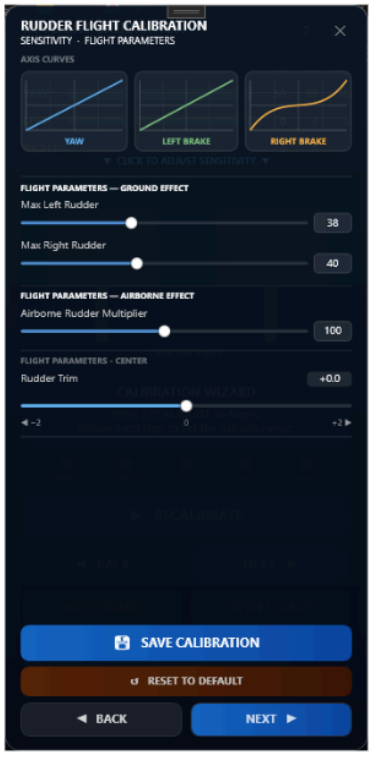
Under Rudder **select** Sensitivity.

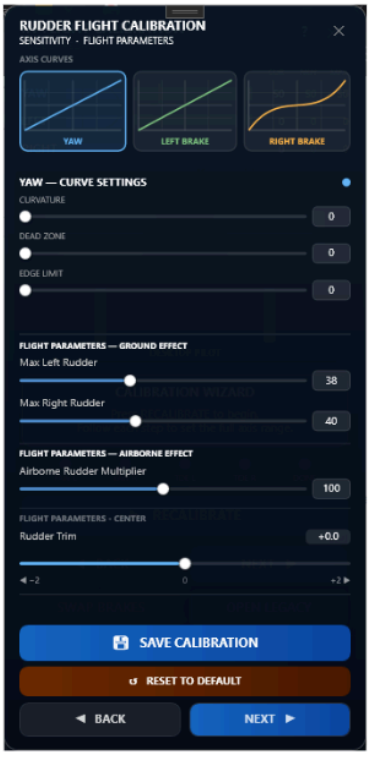
In the **Rudder Flight Calibration panel**, users can adjust the **sensitivity**, **center deadzone**, and **maximum output resolution**. Additional **flight parameters** are also available to improve the overall flight experience.

Rudder Settings:

- **Max Left/Right Rudder:** Adjusts the **yaw trim for each side of the rudder**.
- **Airborne Rudder Multiplier:** Adjusts the **rudder response while the aircraft is airborne**.
- **Yaw Center:** Adjusts the **neutral yaw output**.

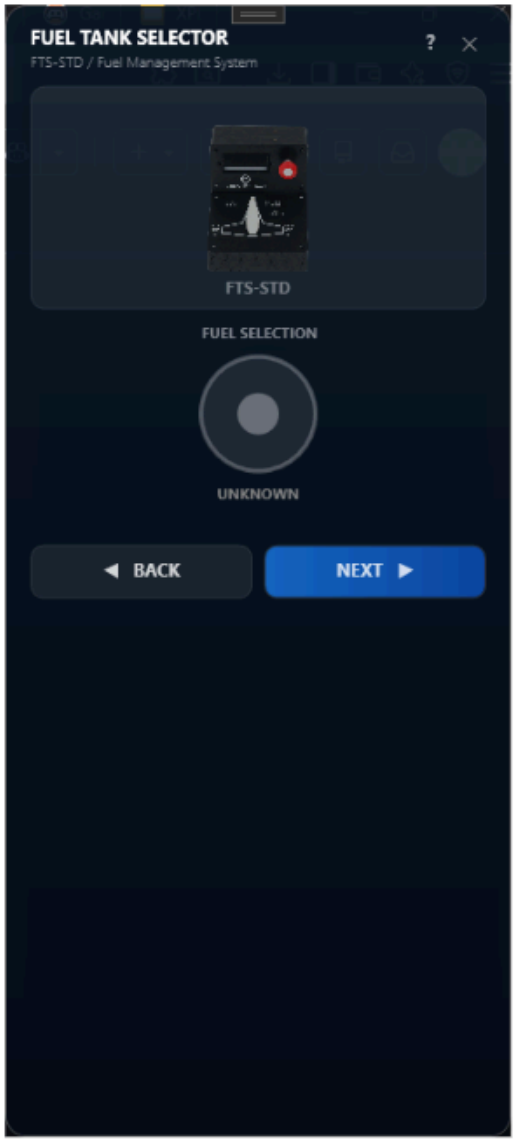
After adjusting your preferred settings, click **SAVE CALIBRATION**.





Fuel Tank

Under Devices **select** Fuel Tank.



Test the **Fuel Tank** device by push and pull the Fuel Shut-Off and Rotating the Fuel Selector, then check in the software if the function is working properly.

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Trim Wheel

Under Devices **select**

Trim Wheel

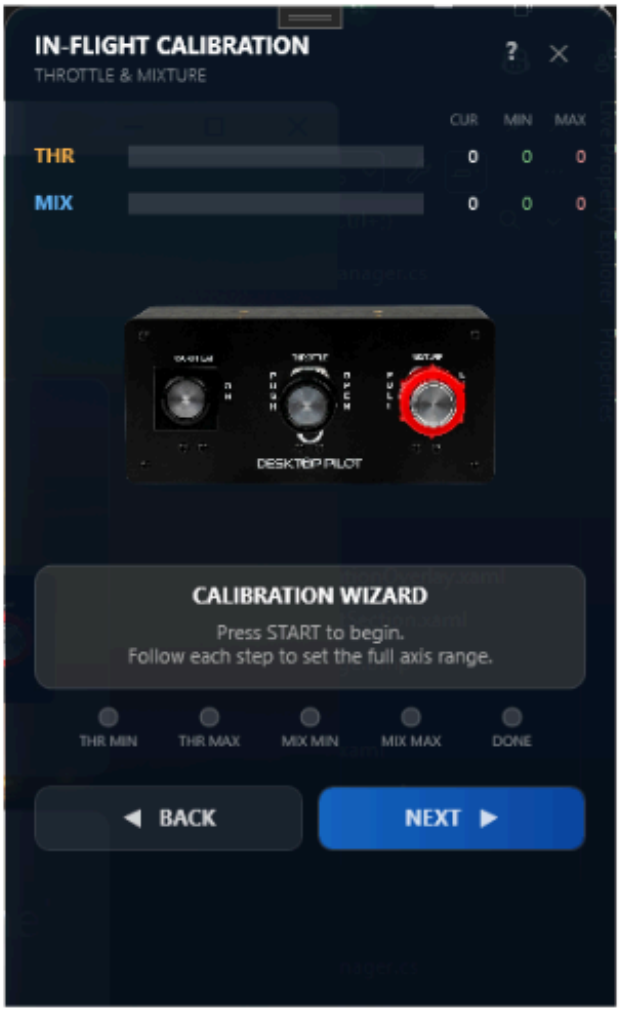
To reverse the function of the trim when the pitch direction is incorrect, click **SWAP**.To adjust the **physical trim indicator** when the center is not aligned, move the slider until the trim indicator aligns with the panel's center indicator, then select '**SAVE**'.

To adjust the **sensitivity** of the trim wheel, use the sensitivity knob located on the physical trim wheel. Turn it **counterclockwise** to decrease the sensitivity, and **clockwise** to increase the sensitivity. After adjusting the sensitivity, select "**LOCK icon**" to prevent accidental adjustment during flight.

Throttle

Under Devices **select** Throttle

To test the **Throttle** device by pushing and pulling all the knobs, then checking in the software if the functions are working properly.



Multi-Instrument Panel

Under Devices **select** the Multi-Instrument Panel.

Select the appropriate button "**Swap Altimeter Rotation**", "**Swap Airspeed Rotation**", or "**Swap Attitude Rotation**" for any encoder with reversed rotation to correct the encoder's physical rotation.

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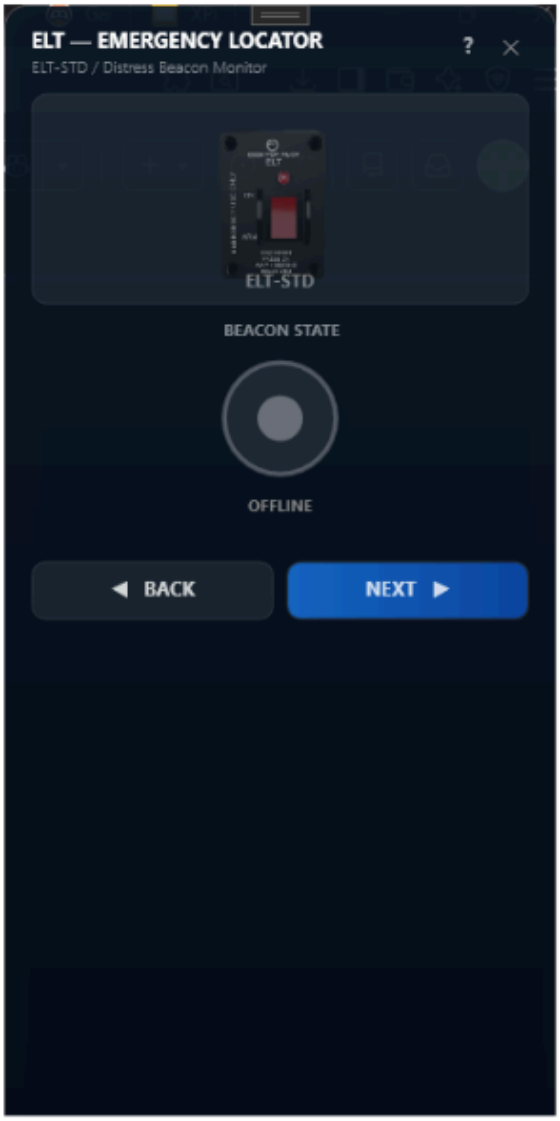
Flaps Indicator

Under Devices **select** the FLAPS PANEL

If the indicator does not align properly with the 10° or 20° markings on the physical panel, adjust the slider values as needed, then select **SAVE.**

Elt Switch

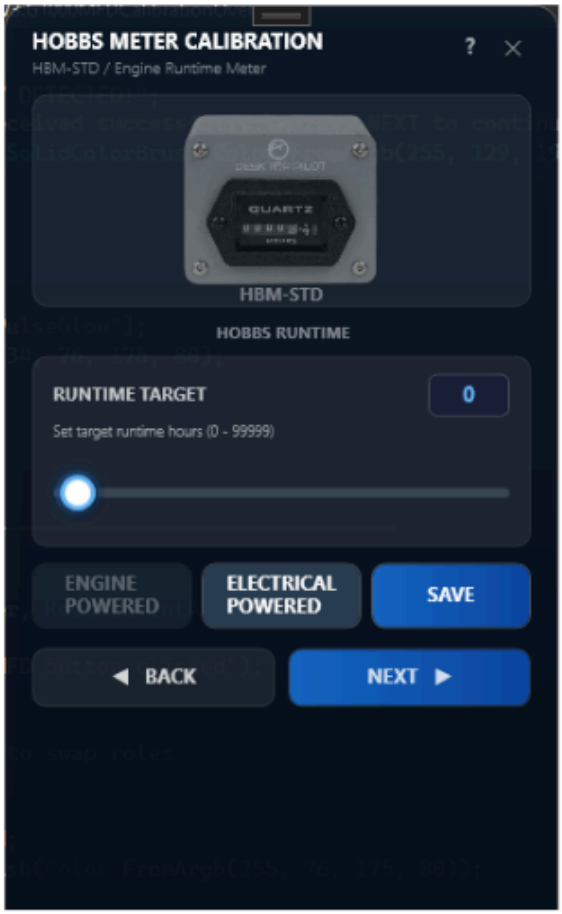
Under Devices **select** the ELT



To test the **ELT** device by turning the switch ON and OFF, then checking in the software if the function is working properly.

Hobbsmeter

Under Devices **select** Hobbs meter.



X-Plane includes a built-in Hobbs meter function. To match it with your physical Hobbs meter, adjust the slider until the value in X-Plane matches the reading on your physical meter. Then click **Save**.

You can also choose between **Engine-Powered** and **Electrical-Powered** modes. In **Engine-Powered** mode, the Hobbs meter stops when the engine is off. In **Electrical-Powered** mode, it follows X-Plane default behavior and depends on the simulator's system settings.

G1000 MFD/PFD

Under Devices **select** XFD

Verify that the softkeys and encoders trigger the correct XFD. If the input is switched to a different XFD display, select "**SWITCH PFD/MFD**" .

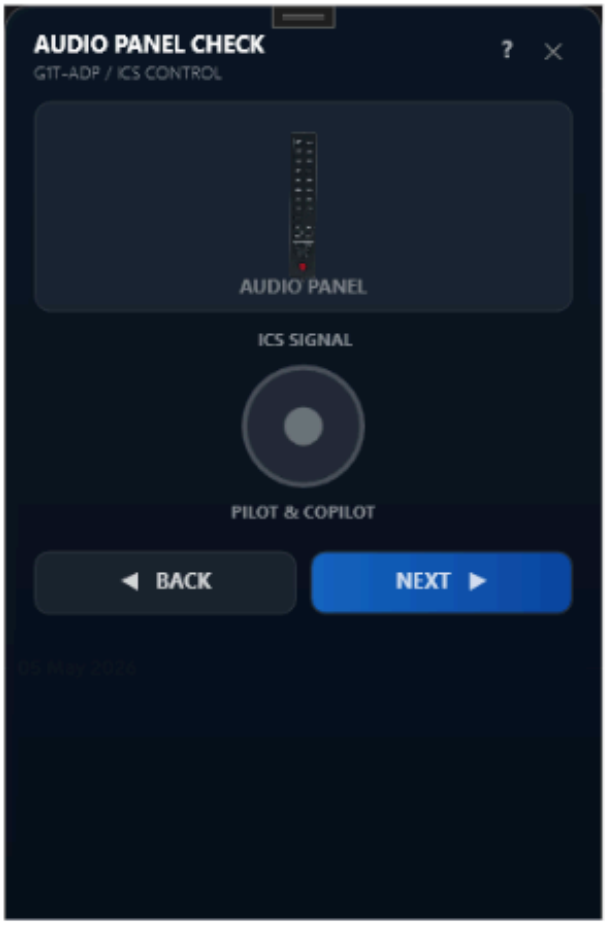
If choosing an aircraft with **six pack instrument**, then select "**SIX PACK MODE"** partner this with Skyview under PFD select "**POP OUT SICK PACK**". (It is highly recommended to use "XFD MODE" on the Desktop Pilot Cessna 172 Skyhawk G1000 Full Flight Simulator).

In **Six Pack Mode**, these encoder are the usable:NAV , HDG, COM, and CRS-BARO.
If a button failure is detected in either mode, press the 'Calibrate' button.

Audio Panel

Under Devices **select**

Audio Panel

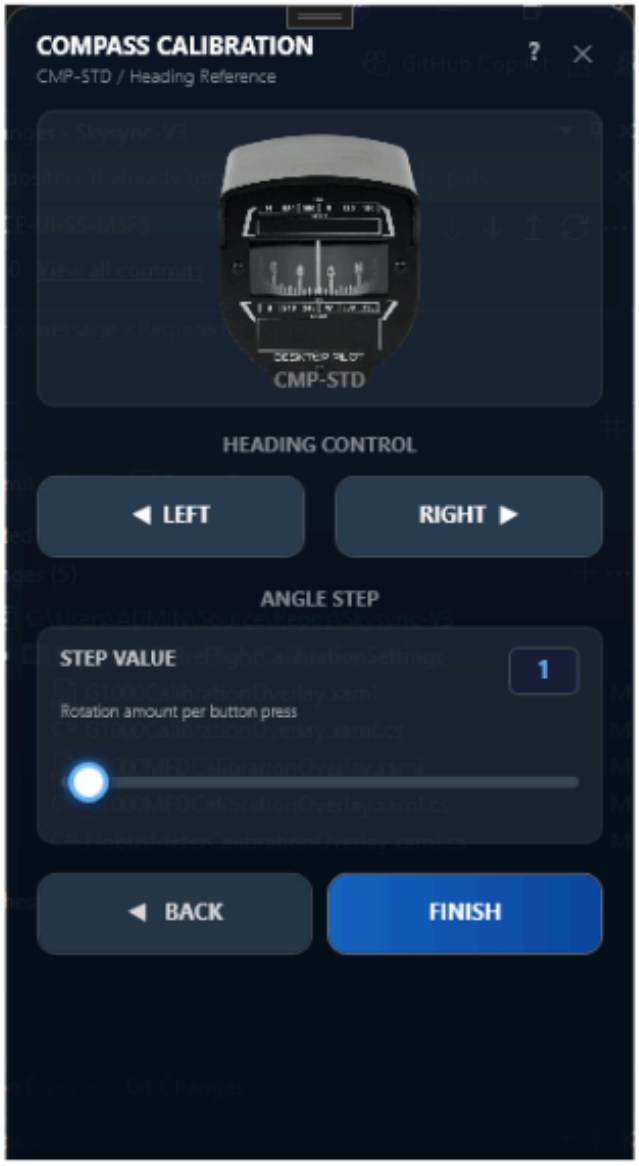


In **Audio Panel** test all buttons to ensure all buttons are functional

Compass

Under Devices **select** Compass

Use the “**LEFT**” or “**RIGHT**” button to adjust Compass Heading Indicator alignment. Use the Slider to adjust the compass degree value of movement for efficient calibration until it reaches the exact position.

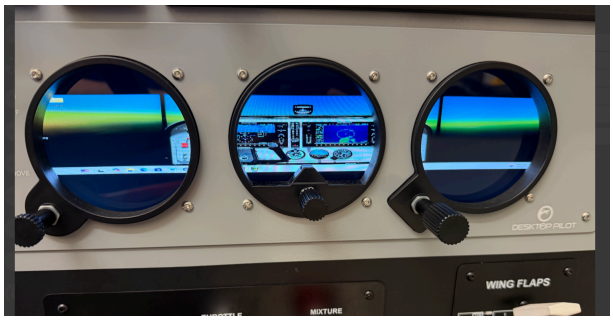


Troubleshooting

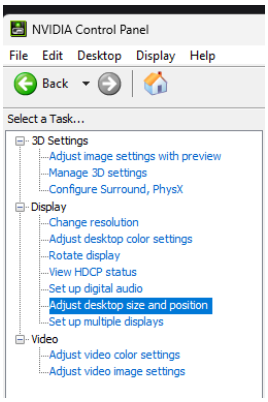
Troubleshooting Guidelines

Issue: Squished MIP LCD Display

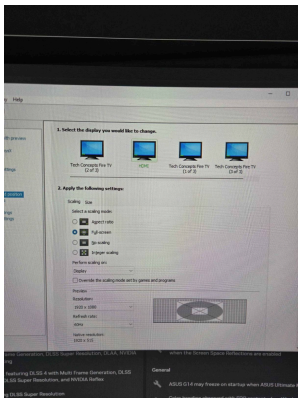
If you encounter a squished MIP LCD display, follow the steps below:



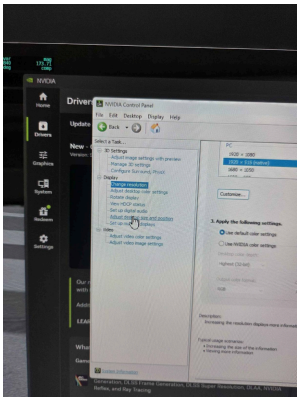
1. Press the **Windows** key on the keyboard and type **NVIDIA Control Panel** in the search bar. Open the application.
2. In the **NVIDIA Control Panel**, under the **Display** tab, click **Adjust desktop size and position**.



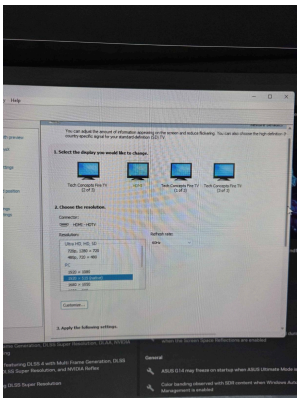
3. In the side panel, select the display you want to change (**HDMI**). Set the **Scaling** option to **Full-screen**.

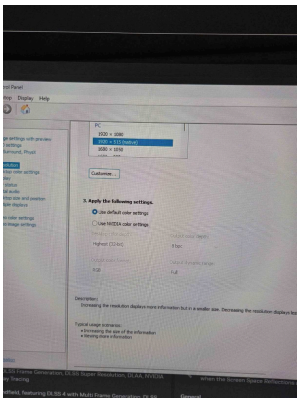


4. Still under the **Display** tab, click **Change resolution**, then select the same HDMI display in the side panel.



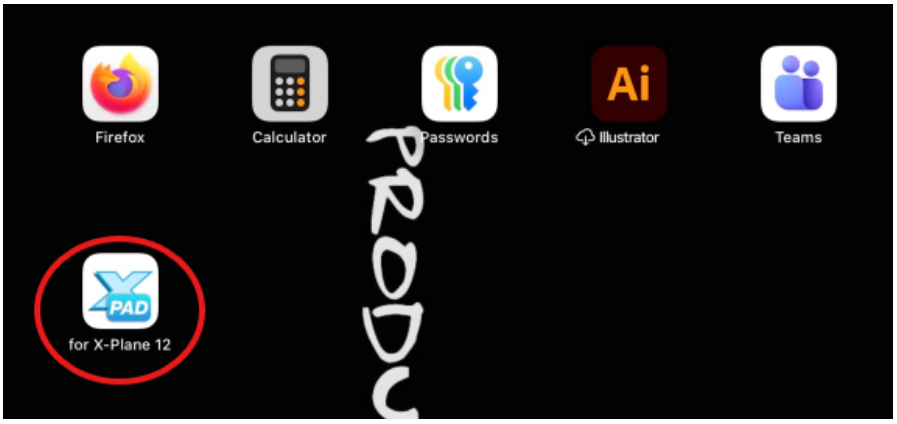
5. Set the resolution to **1920 × 515 (Native)**. After adjusting the resolution, select **Use default color settings**.



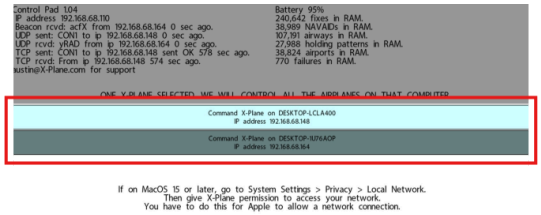


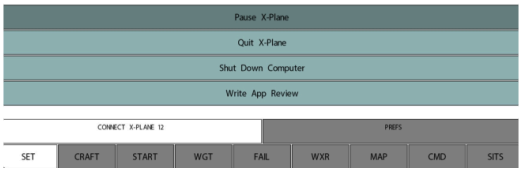
How to Set Up X-Plane iOS on iPad

- **Install the Application**
    - Open the **App Store** on your iPad.
    - Search for **XPAD for X-Plane 12**.
    - Tap **Install** and wait for the installation to complete.



- **Launch the Application**
    - Open **XPAD** on your iPad.
    - The app will automatically scan for available devices running X-Plane 12 on the same network.
    - A list of detected devices will appear.
    - Select your PC device to connect.

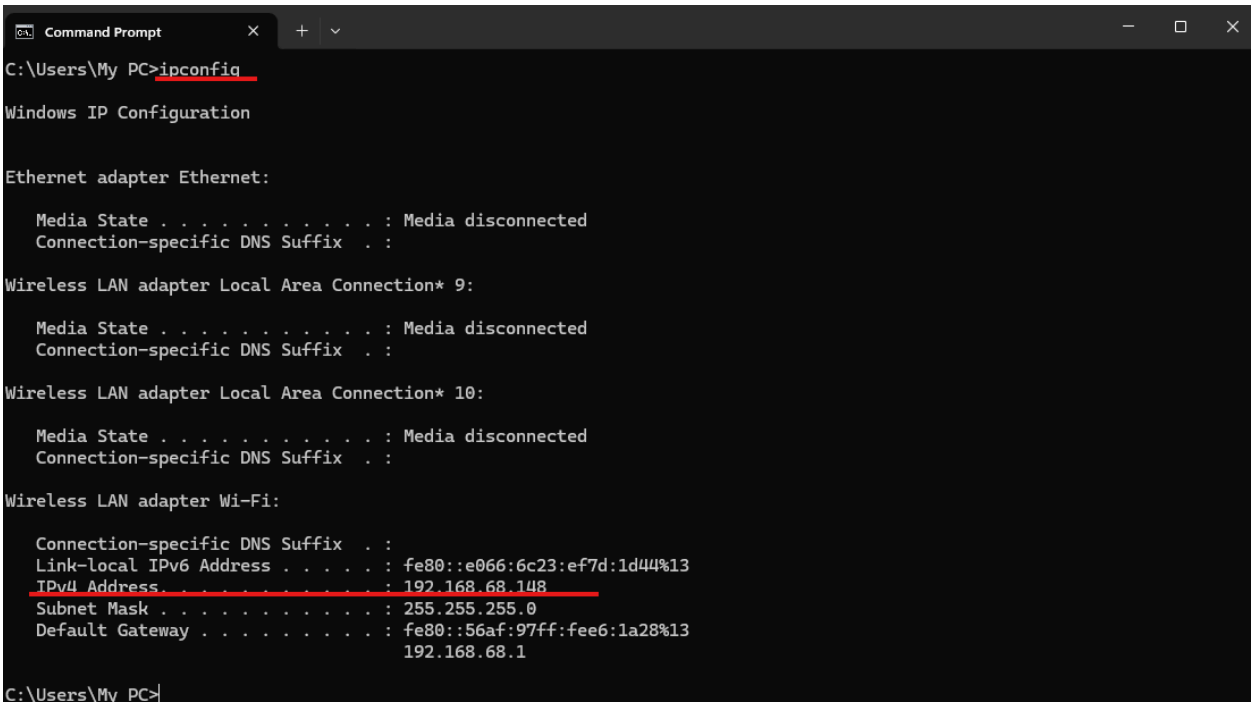




- **Verify the Connection (Optional but Recommended)**

If the connection does not work, verify that both devices are using the same IP address network.

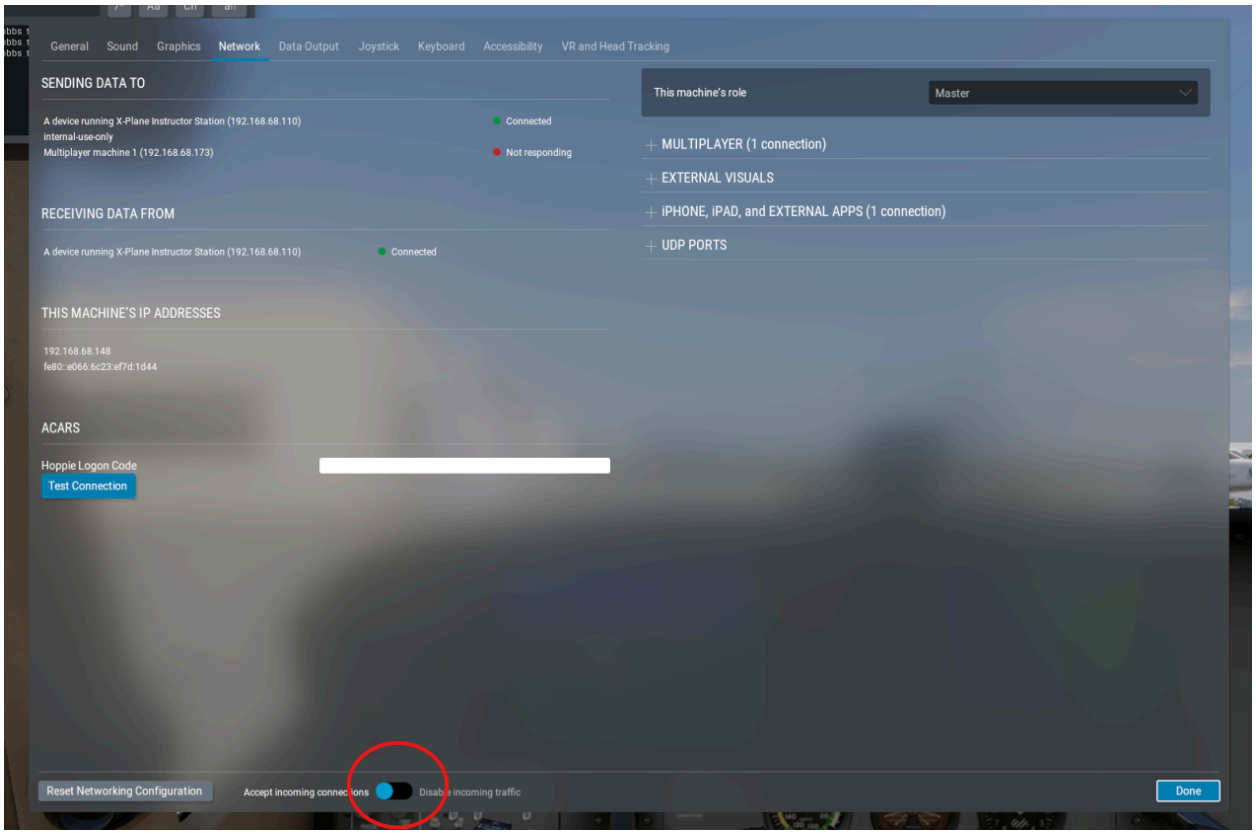
- Step 1 – Open Command Prompt on Windows
  - Press Windows Key + R.
  - Type `cmd` and press Enter.
- Step 2 – Check the Computer IP Address
  - In the Command Prompt, type: **ipconfig** Press Enter.
  - Look for IPv4 Address.



- Step 3 – Compare IP Addresses
  - Check the detected PC IP address in the XPAD iOS app.
  - Make sure it matches the IPv4 address shown in Command Prompt.

✔ If the IP addresses match, the connection should work correctly.

- **Ensure Network Connection is Enabled in X-Plane**
    - Open **X-Plane 12** on your PC.
    - Go to **Settings**.
    - Select **Network**.
    - Ensure that the **accept incoming connection is enabled** so external devices like the iPad can connect.



- **Troubleshooting Tips**
    - Ensure your **PC and iPad are connected to the same Wi-Fi network**.
    - Restart **X-Plane 12** if the device does not appear.
    - Restart the **XPAD app** on your iPad.

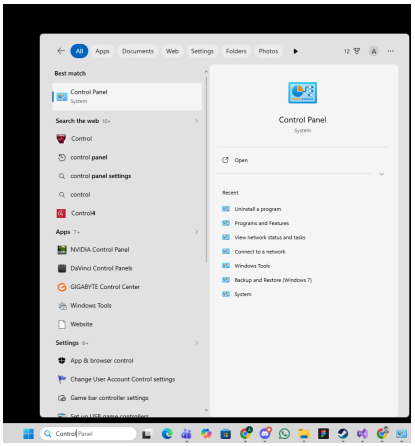
🔄 Skysync Software Reinstallation Guide

🧹 Uninstall Skysync Software

Follow these steps to completely remove Skysync from your system:

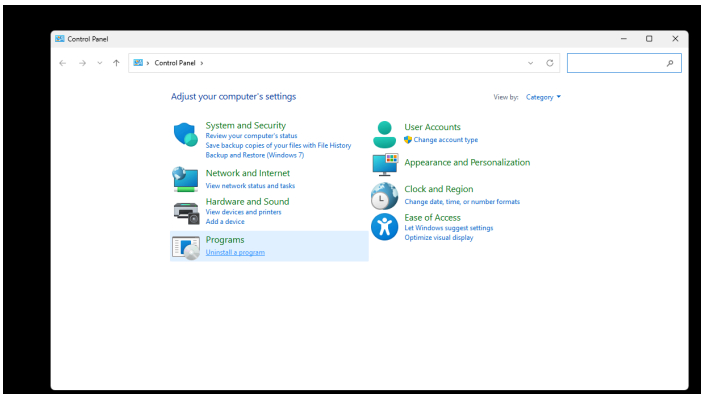
1. Open Control Panel

- Click the **Search bar**
- Type: *Control Panel*
- Press **Enter**



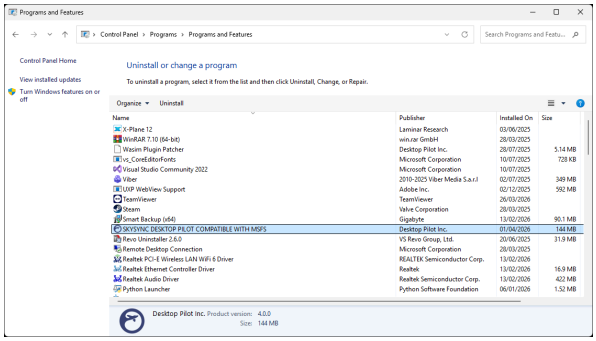
2. Navigate to Programs

- Select **Uninstall a Program**



3. Remove Skysync

- Locate **Skysync Software**
- Click → **Uninstall**
- Follow on-screen instructions

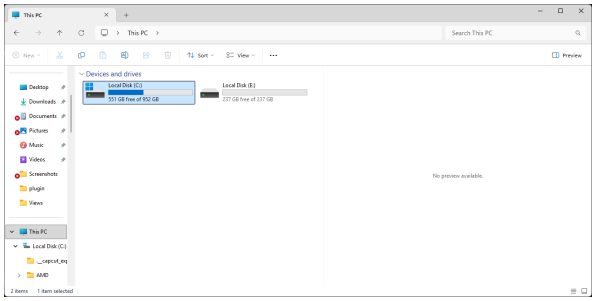


🗑️ Remove Remaining Files (IMPORTANT)

To ensure a clean reinstall:

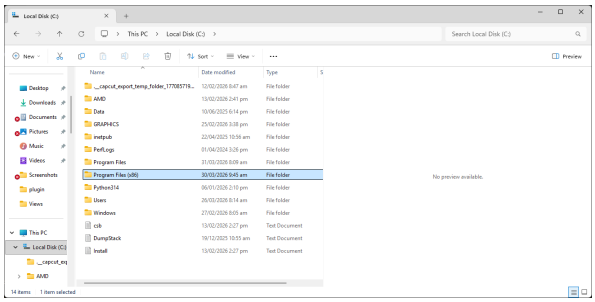
4. Open File Explorer

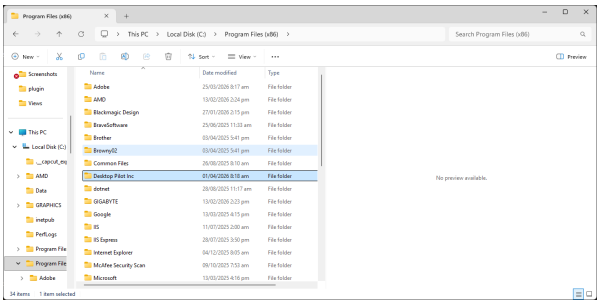
- Go to: **This PC**
- Select: **Local Disk (C:)**



5. Navigate to Directory

Program Files (x86) → Desktop Pilot Inc

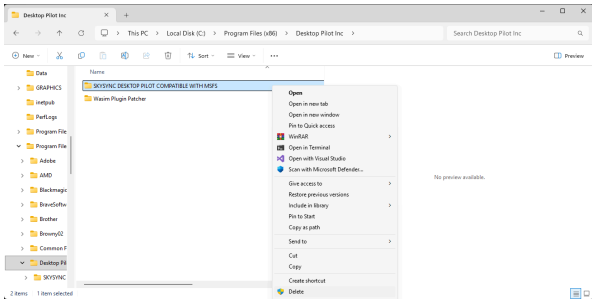




6. Delete Folder

- Locate:

  Skysync Compatible with (XPLN/MSFS)
- Right-click → **Delete**



✔ This removes leftover files that may cause errors

📥 Install Skysync Software

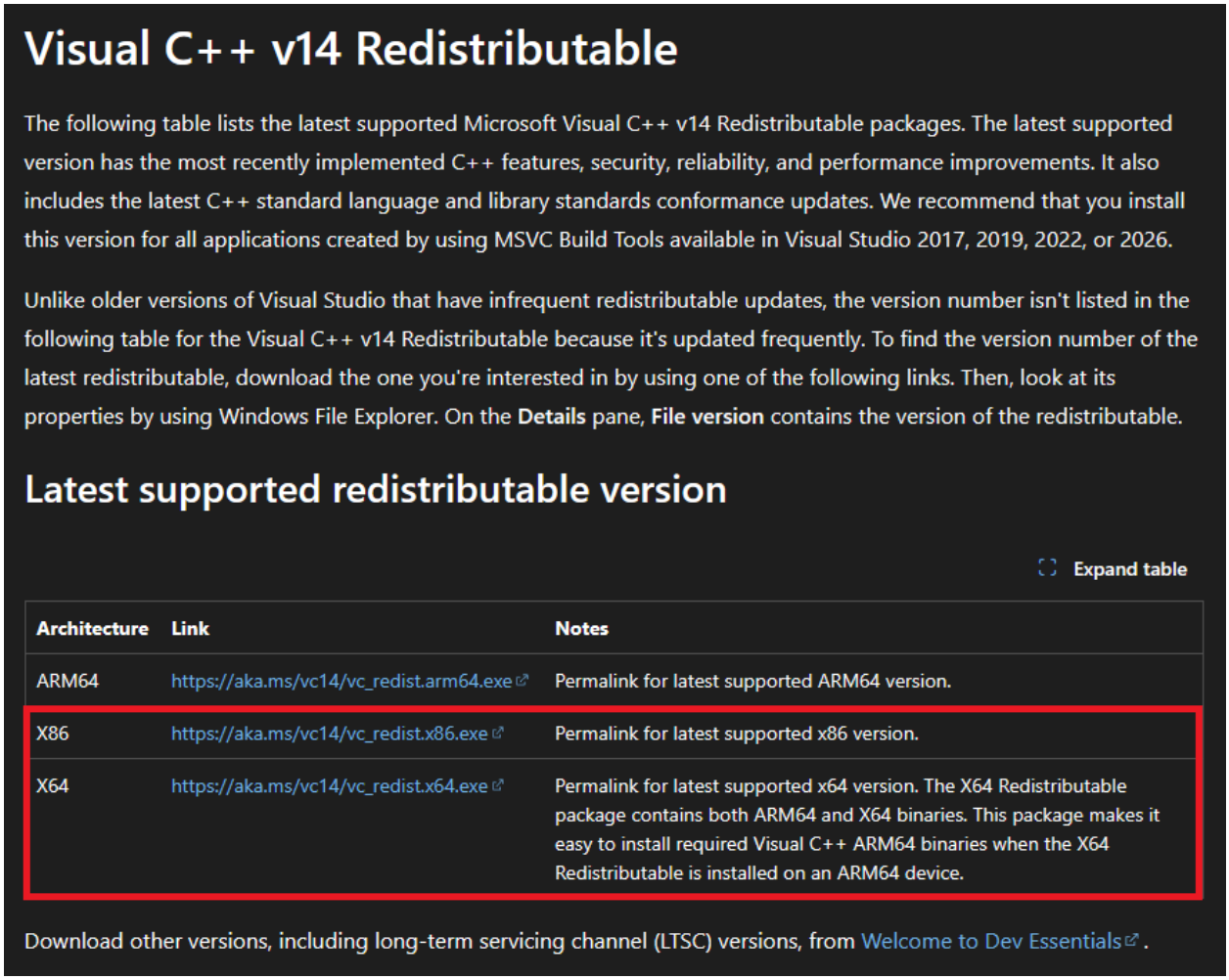
7. Reinstall the Software

- Follow the **official installation steps in the manual**

✔ Ensure installation is completed before launching X-Plane

Install Required Components

Open the link below:
https://learn.microsoft.com/en-us/cpp/windows/latest-supported-vc-redist?view=msvc-170#latest-supported-redistributable-version



Visual C++ v14 Redistributable

The following table lists the latest supported Microsoft Visual C++ v14 Redistributable packages. The latest supported version has the most recently implemented C++ features, security, reliability, and performance improvements. It also includes the latest C++ standard language and library standards conformance updates. We recommend that you install this version for all applications created by using MSVC Build Tools available in Visual Studio 2017, 2019, 2022, or 2026.

Unlike older versions of Visual Studio that have infrequent redistributable updates, the version number isn't listed in the following table for the Visual C++ v14 Redistributable because it's updated frequently. To find the version number of the latest redistributable, download the one you're interested in by using one of the following links. Then, look at its properties by using Windows File Explorer. On the **Details** pane, **File version** contains the version of the redistributable.

Latest supported redistributable version

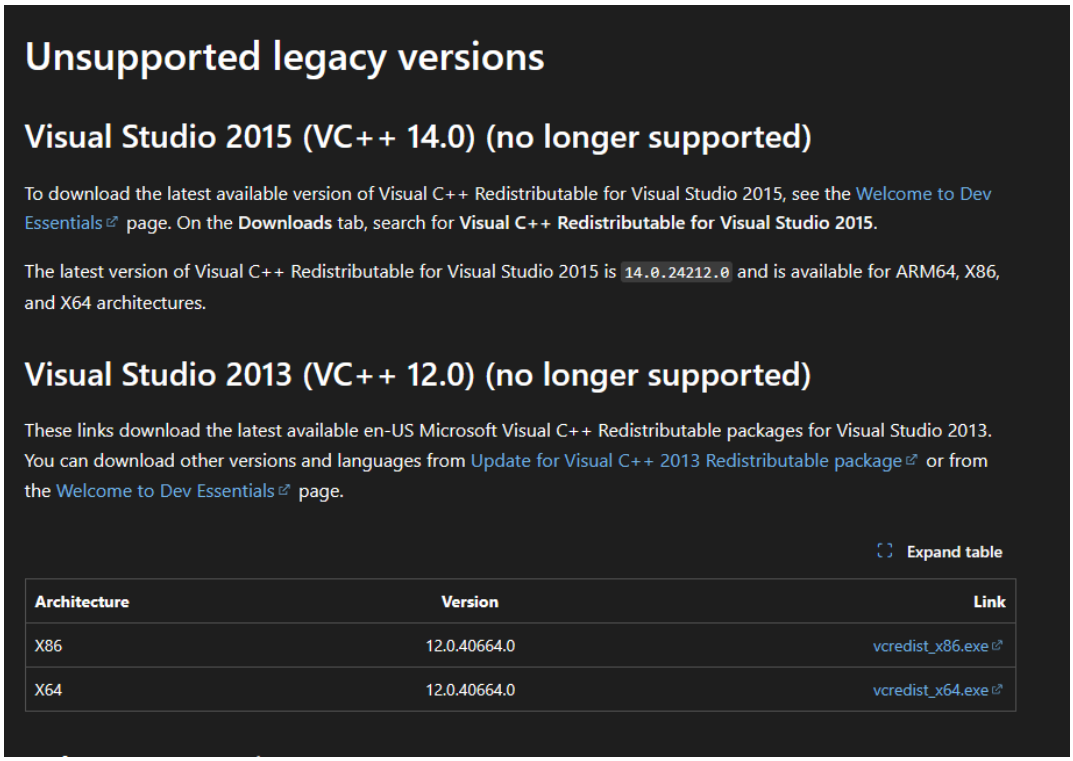
Expand table

Architecture	Link	Notes
ARM64	https://aka.ms/vc14/vc_redist.arm64.exe	Permalink for latest supported ARM64 version.
X86	https://aka.ms/vc14/vc_redist.x86.exe	Permalink for latest supported x86 version.
X64	https://aka.ms/vc14/vc_redist.x64.exe	Permalink for latest supported x64 version. The X64 Redistributable package contains both ARM64 and X64 binaries. This package makes it easy to install required Visual C++ ARM64 binaries when the X64 Redistributable is installed on an ARM64 device.

Download other versions, including long-term servicing channel (LTSC) versions, from Welcome to Dev Essentials.

Download and install the **latest Microsoft Visual C++ Redistributable (X64 Architecture)**.

Make sure to install the **x64 version and x86 version**.



Unsupported legacy versions

Visual Studio 2015 (VC++ 14.0) (no longer supported)

To download the latest available version of Visual C++ Redistributable for Visual Studio 2015, see the Welcome to Dev Essentials page. On the **Downloads** tab, search for **Visual C++ Redistributable for Visual Studio 2015**.

The latest version of Visual C++ Redistributable for Visual Studio 2015 is `14.0.24212.0` and is available for ARM64, X86, and X64 architectures.

Visual Studio 2013 (VC++ 12.0) (no longer supported)

These links download the latest available en-US Microsoft Visual C++ Redistributable packages for Visual Studio 2013. You can download other versions and languages from Update for Visual C++ 2013 Redistributable package or from the Welcome to Dev Essentials page.

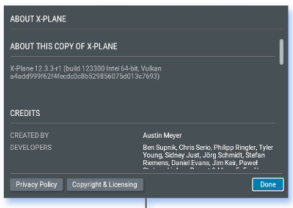
Expand table

Architecture	Version	Link
X86	12.0.40664.0	vcredist_x86.exe
X64	12.0.40664.0	vcredist_x64.exe

Restart and Re-Test

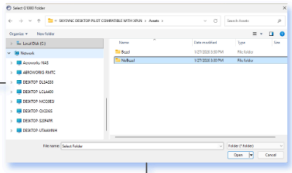
Restart your computer, then launch **X-Plane 12** again.
Check if:

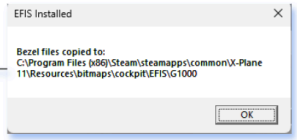
- The simulator runs without crashing
- The plugin is visible and working properly



7. Below X-plane 12.3.0 version (Optional for X-plane 12.3.0 and above).To verify the version of the X-Plane Go to "X-Plane Settings - General Tab - select About X-Plane" **. (the process shown in instruction #6 will be ignored by doing the instruction #7).**

7.1 **Close** X-Plane→ **Open Skysync → go to Skyview → Select "INSERT EFIS" → Select "Bezel" → Select "Open"** the bezel folder is located on this path X:**\Program Files (x86)\Desktop Pilot Inc\SKYSYNC DESKTOP PILOT COMPATIBLE WITH XPLN\Assets**





7.2 **Close the Skysync → Open X-Plane → Open Skysync**

7.3 Open **Skyview** under Skysync Software then select "**Identify**".

7.4 This will display the assigned number for each monitor, as shown below.

7.5 In SkyView, fill in the PFD, MFD and MIP box with the assigned physical number on each respective physical display. Then select **Set Screen → Pop Out MIP → Pop Out PFD → Pop Out MFD**. Then verify that the display is properly assigned to the correct physical monitors.

CUSTOMER FREQUENTLY ASK QUESTIONS (FAQ) AND CONCERNS:

1. **X-Plane 12 12.4.0 with SkySync V4.0.0 Danville** – Hobbs meter continuously ticking even after SkySync shutdown.

   Solution: It is best practice to always turn the engine off before closing SkySync to avoid leaving the Hobbs meter running while the software disconnects.

   Patch: The devs will solidify the functions of turning off the hobbs upon closing the software.

2. In some cases, when using FFS with X-Plane, a “square with a cross” appears in the center of all three screens, indicating that X-Plane does not recognize the yoke. I was able to fix this by modifying a line of code in yoke_preferences. Is there a way to prevent this issue from occurring from the beginning?

Solution:

Fix by editing the preference file (0 → 1)

1. **Close X-Plane completely**
2. Go to your X-Plane 12 folder, then open:
   `X-Plane 12\Output\Preferences\`
3. Open this file in Notepad:
   `X-Plane Joystick Settings.prf` X-Plane.Org Forum
4. Near the top (often around line ~11), find this line:
   `_eq_pfc_yoke 0` X-Plane.Org Forum
5. Change it to:
   `_eq_pfc_yoke 1` X-Plane.Org Forum
6. Save the file and **restart X-Plane**

   Answer: The team will try to add this feature in the next patch of Skysync. Proof of concept will be tested first if this is doable.

3. Can we add SkySync setup instructions (such as inserting the plugin) and keep SkySync visible/running in the UI, considering that most customers do not read the manuals?

   Answer: On the upcoming update after the release of SS v5.0.0, there will be a patch to add a patch note window. Every time the Skysync launch, it will show a window which has a description of all the updates and changes of the software. It will also give information to the user whether he has to configure something or the procedures to make the FFS run become different.

4. Can we add a locked/unlocked position description for the Trim Wheel lock in the DEVICES section of SkySync, since the current behavior is unintuitive for customers?

   Answer: The following release after v5.0.0 will consider the most intuitive indicator that will make it easy for the user to utilize. All of the sections of the software will have an optimized update to bring the user the most convenient way of using Skysync.

5. Can we ensure that the manuals are always updated with the correct version number whenever changes are made? For example, if the manual still shows Ver. 4.0.0 while the software is already Ver. 4.0.1, the manual's relevance and accuracy might be questioned.

   Answer: In terms of Major version release of Skysync, the manual version is always updated along with the added feature of the software

6. There was a short discussion regarding the use of steam gauges with the G1000. Can steam gauges still be rendered while using a G1000 aircraft, and if so, why?

   In the case of Allan Bangtson, the steam gauge Cessna 172 with popped-out steam gauges in Desktop Pilot G1000 shows no data coming from X-Plane. This is likely related to the issue mentioned above and may not be directly caused by SkySync itself.

   Answer:

7. To ensure that brightness/dimming control is available by default for Cessna 172SP + G1000 users in X-Plane. Also, are there any updates regarding the same functionality for Microsoft Flight Simulator 2020? Terry Young is using MSFS2020 with a C172SP, G1000, and MIP setup, but currently cannot use the four knobs on the C172SP to adjust brightness. I already explained the MSFS limitations to him, but it would still be great if a workaround is possible.

   Answer: The developers are currently pushing the new SkySync V5.0.0 release. After finalizing the release, the team will focus on patching the software to improve compatibility with older simulator versions, including Microsoft Flight Simulator 2020 (FS20) and X-Plane 11 (XP11).

8. Hercules Demo/Training for me - maybe when we will troubleshoot Allan Bangtson G1000 HDG bug issue - just to confirm hardware is actually operational and isolate software issues, same is true for some TW-02 issues - id need to confirm TW-02 hardware is good when it refuses to work with XP/MSFS.

   Solution: The team has already patched an update wherein the UI reflects the changes of the indicator.

9. Clarification on IGP-03 ops with MSFS24 when 5 CB's dont light up once pressed.

   Answer: It is best practice to use the exact aircraft which the Ignition Panel works on. For example, G1000 Cessna 172 and configure it to basic mode.

10. CBK mode selected in SkySync 4.0.1, Laminar C172 G1000 and C172 steam gauges - only these work:

    AVN1, AVN2, PANEL LTS, NAV 1 ENG, AUDIO, AUTO PILOT. All other CB INOP.

    Answer: It is best practice to use the exact aircraft which the Circuit breaker Panel works on.
    For example, G1000 Cessna 172.

Contact info

DESKTOP PILOT

CONTACT INFORMATION

Need Help or Have Suggestions?
If you experience an issue not listed on the guidelines, want to report a bug, or have ideas for improvement, we're here for you!

📧 **Contact Us:** sales@desktoppilot.com or **+1-888-296-9150**
💬 **Support Hours: Monday–Friday**, **10 AM – 6 PM EST**
🌐 **Visit:** https://www.desktoppilot.com/

Your feedback helps us improve the experience. Don’t hesitate to reach out—we’d love to hear from you!