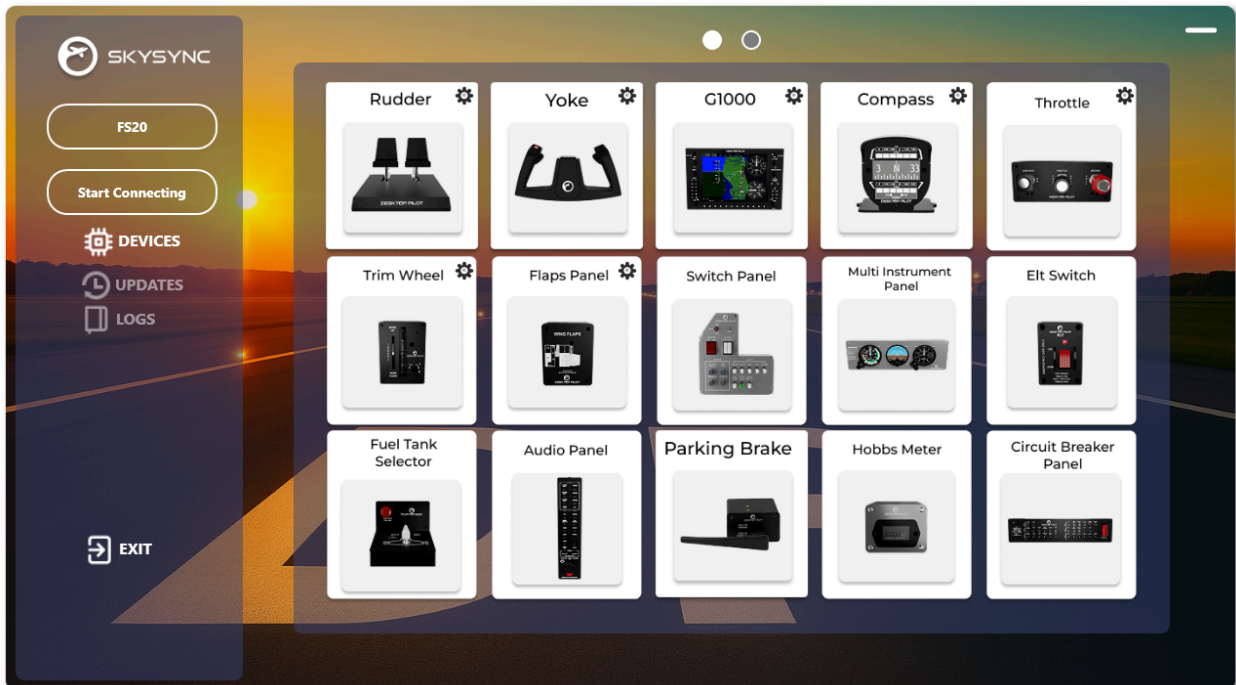




# DESKTOP PILOT



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## SKYSYNC DESKTOP PILOT COMPATIBLE WITH MSFS HOW TO INSTALL & USE



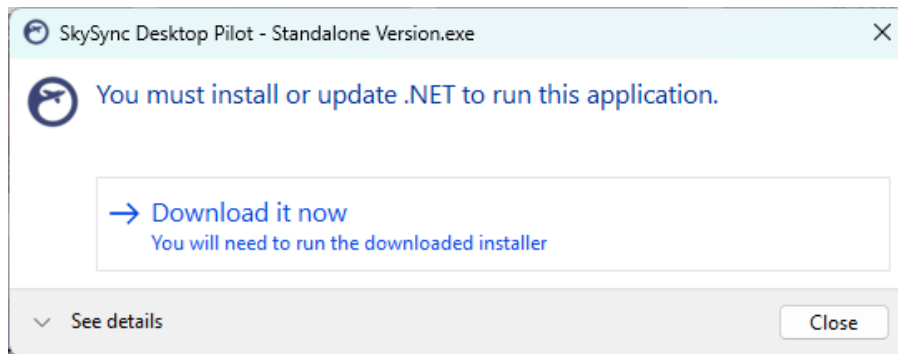
# DESKTOP PILOT

## SKYSYNC DESKTOP PILOT COMPATIBLE WITH MSFS

### SETUP INSTRUCTIONS

#### 1. Installation Guidelines:

- a. Download and install the [SkySync Desktop Pilot - COMPATIBLE WITH MSFS](#) and [WASim Plugin Patcher](#) software.
- b. After installation, launch **WASim Plugin Patcher**.
- c. If a prompt appears indicating that the **.NET Desktop Runtime** is required:
  - i. Select "**Download it now**" on the prompt.



- ii. The official .NET website will open and automatically begin the download.
  - iii. Once the download is complete, run the installer and follow the on-screen instructions to complete the runtime installation.



# DESKTOP PILOT

- d. In **WASim Plugin Patcher**, click the dropdown menu on the left and select the installed version of **MSFS 2020/2024**.



- e. Select the corresponding flight simulator version.
  - i. If **MSFS 2020**, select **FS20**.
  - ii. If **MSFS 2024**, select **FS24**.
- f. Click **Insert Plugin** to insert the WASimModule plugin for MSFS.
  - i. A pop-up message will appear which confirms the insertion of the plugin.
- g. Then click **Verify Plugin** to verify the insertion of the plugin.
  - i. A pop-up message will appear which verifies the insertion of the plugin.
- h. **Close WASim Plugin Patcher.**

## 2. User Guidelines:

### 1. Launch the Required Software

Open both the **SkySync** software (**compatible with MSFS**) and Microsoft Flight Simulator (either MSFS 2020 or MSFS 2024).

### 2. Enter Flight Mode in MSFS

Ensure that Microsoft Flight Simulator is in flight mode with the cockpit fully loaded.

### 3. Select Simulator in SkySync

**Select the corresponding version of Microsoft Flight Simulator from the SkySync interface.**

a. If the button displays **FS20**, it will link to **MSFS 2020**.

b. If it shows **FS24**, it will link to **MSFS 2024**.

**Note:** Make sure the displayed version matches the simulator you are currently using.



### 4. Connect Devices to SkySync

Click **Start Connecting** to connect to the selected version of Microsoft Flight Simulator (MSFS 2020 or MSFS 2024).

**Note:** Devices can be connected to the computer either before launching SkySync or after.

### 5. Verify Connection and Ready to Use

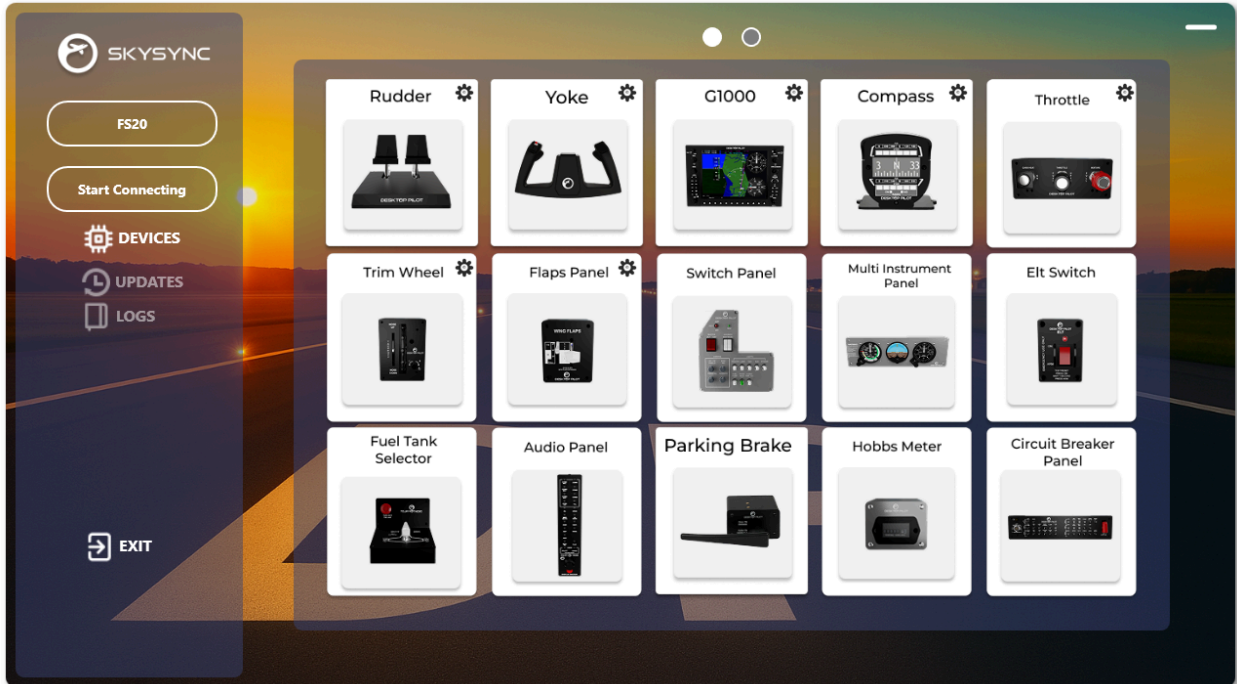
When the button shows **Connected**, test the Desktop Pilot devices to ensure they are functioning properly. Once verified, the devices are ready for use in flight.



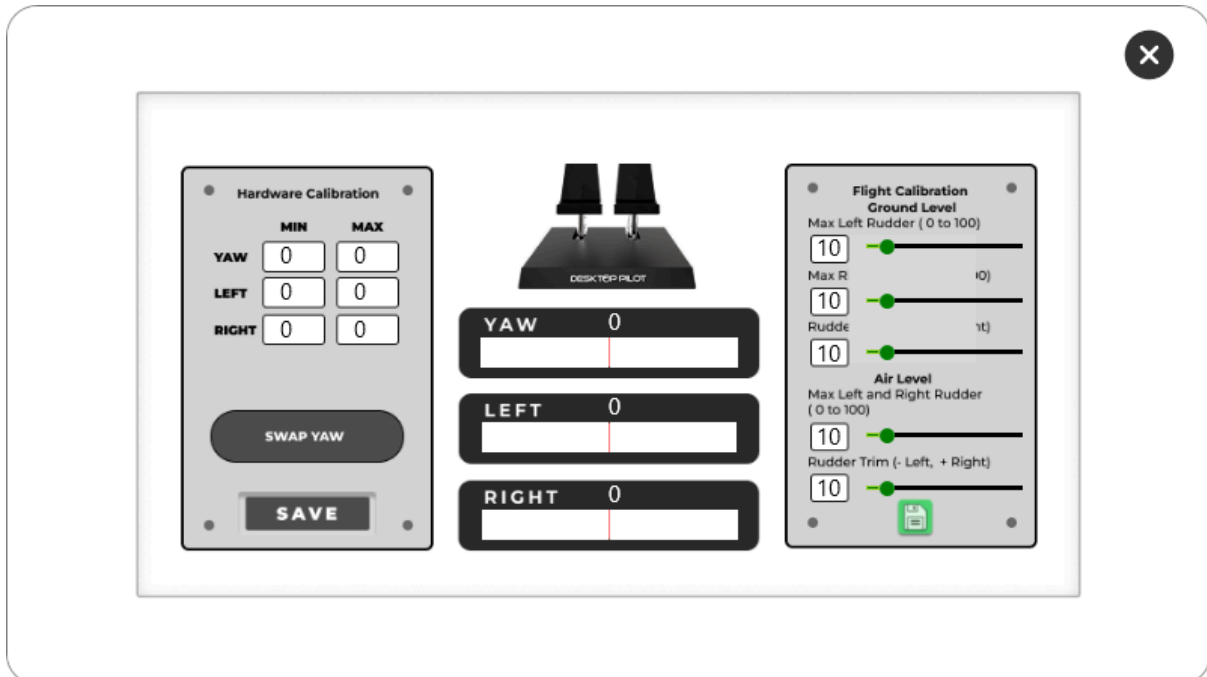
# DESKTOP PILOT

## Calibration/Adjustment of Desktop Pilot Cessna 172 Skyhawk G1000 Full Flight Simulator Setup

To start calibrating or adjusting device settings, go to **SkySync Desktop Pilot**.



## Rudder Calibration:



Click the **Rudder setting icon** in the SkySync. Then do the following:

For Yaw:

- Push the left rudder pedal all the way forward.
- Next, release the left rudder pedal and perform the same action with the right rudder pedal and release the right rudder pedal and allow both pedals to return to their neutral position.
- Click the **SAVE** button to set the Yaw's center.

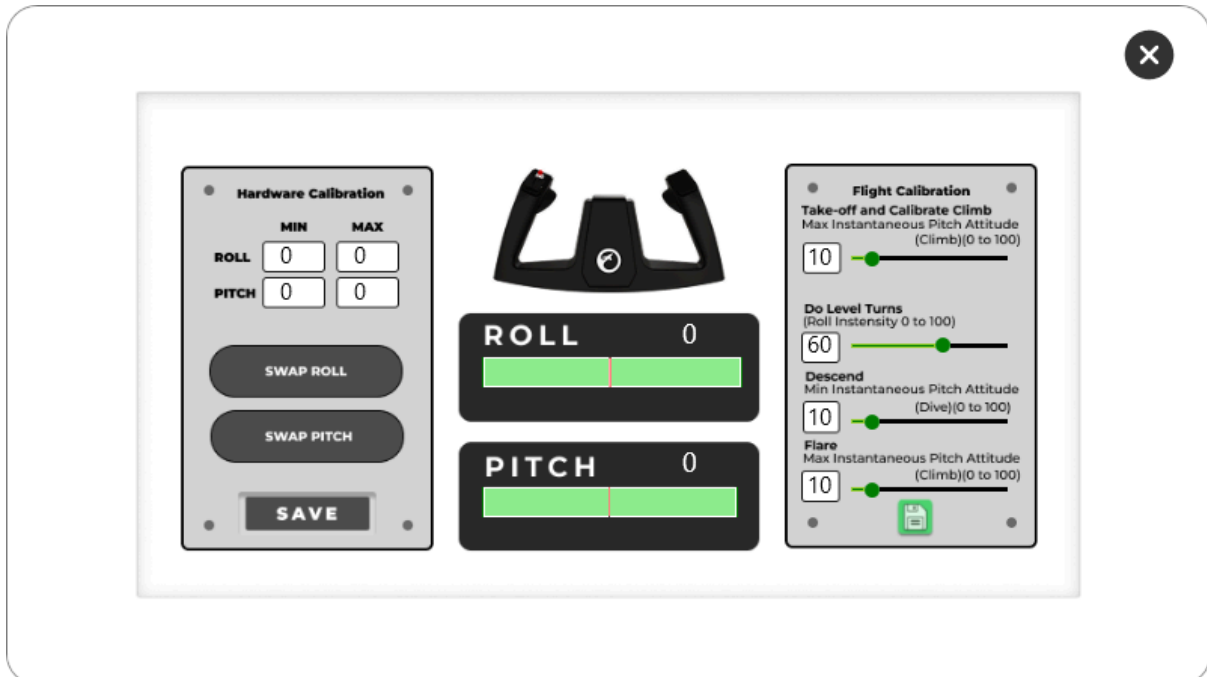
For Left Toe Brake/Right Toe Brake:

- Push the left toe brake/right toe brake all the way down.
- Then release the left toe brake/right toe brake.
- Click the **SAVE** button to set up the toe brake.

Other functionalities:

- Click **SWAP YAW** to reverse the output direction of the rudder.
- Adjust **MAX LEFT** and **MAX RIGHT** values to limit the yaw output range. **Recommended Value:** 100
- Adjust the first **Rudder Trim** to shift the center position of the yaw when the aircraft is on the ground. **Recommended Value:** 100
- Adjust **MAX L&R** values to limit the yaw output when the aircraft reaches an altitude of 360 ft. **Recommended Value:** 50
- Adjust the second **Rudder Trim** to shift the center position of the yaw while in the air. **Recommended Value:** 50

## Yoke Calibration:



Click the **Yoke setting icon** in the SkySync. Then move the the yoke by doing the following:

### For Roll:

- Rotate the yoke all the way to the left, and turn it to the right all the way after.
- Then, release the yoke and allow it to return to the center position.
- Click the **SAVE** button to set the roll's center.

### For Pitch:

- Push the yoke all the way forward, and pull it all the way to the back after.
- Then, release the yoke and allow it to return to the center position.
- Click the **SAVE** button to set the pitch's center.

### Other functionalities:

- Clicking either **SWAP ROLL** or **SWAP PITCH** will reverse the output of the functionality of either roll or pitch. Note that the **Roll** and **Pitch** will have to be recalibrated once the functionalities are swapped.
- Adjusting the **PITCH CLIMB** will limit the pull output of the pitch functionality when ascending from the ground.
- Adjusting the **DO LEVEL TURNS** will limit the output of the roll functionality.
- Adjusting the **DESCEND** will limit the push output of the pitch functionality.
- Adjusting the **FLARE** will limit the pull output of the pitch functionality when descending to the ground.



# DESKTOP PILOT

## G1000 Adjustments (Optional):

To swap the **Primary/Multi Flight Display's** functionality, do the following:

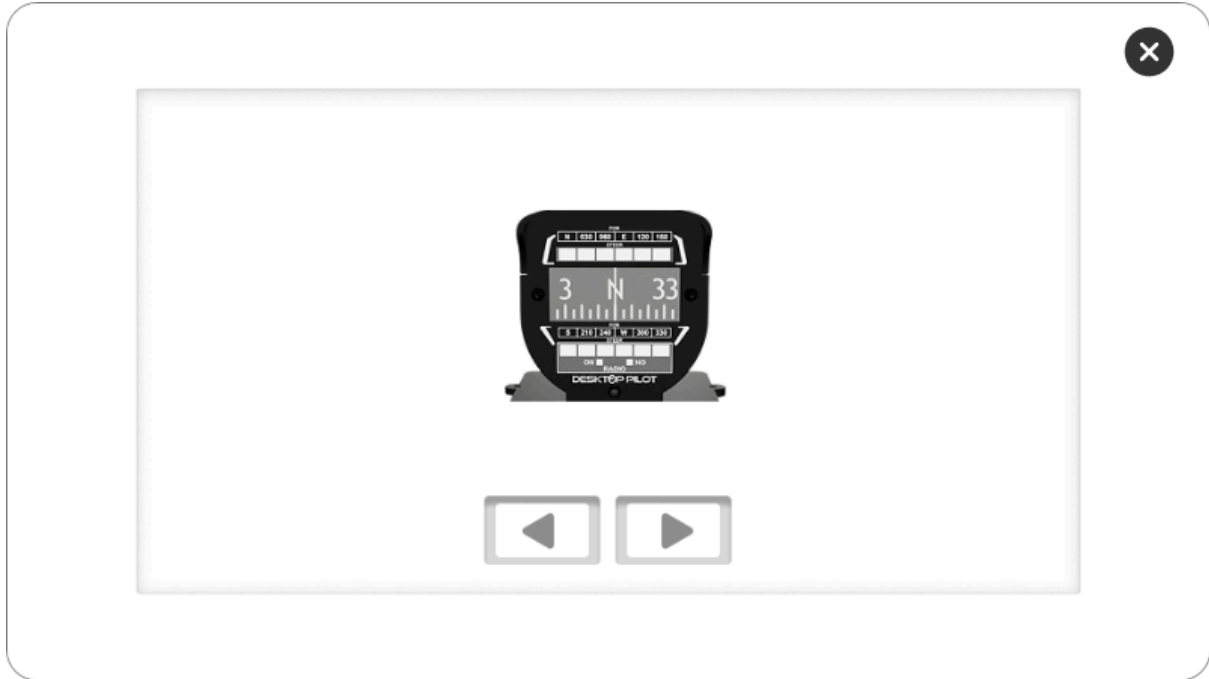


- Click the **G1000 setting icon** to open its settings.
- Confirm that the **softkeys** and **encoders** are triggering the correct G1000 display. If not, click the **Swap** button to switch PFD and MFD functionalities to the correct monitors.
- If the device does not respond as expected, click the **Version** button to switch its operating mode. This ensures the controls function correctly with the setup.

# DESKTOP PILOT

## Compass Adjustments (Optional):

To adjust the **Compass** to the right angle based on the plane's current angle, do the following:



- Click the **Compass setting icon** to open its settings:
- Click either left or right buttons to adjust the physical compass to match the angle seen in either the G1000 PFD window or the compass in game. Then close the window after.

## Throttle Box Adjustments (Optional):

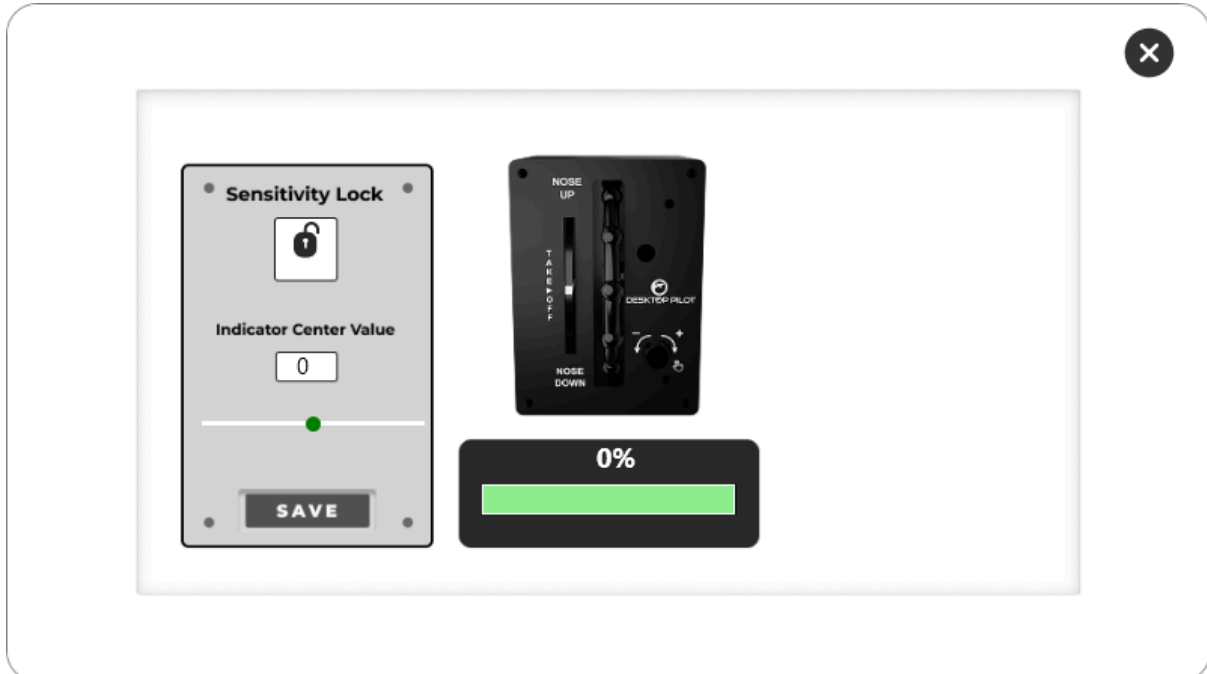
To adjust the throttle box limits in the simulation, do the following:



- Click the **Throttle setting icon** to open its settings.
- Adjust the throttle box's mixture and throttle:
  - To set the minimum value, pull the mixture and throttle based on preference of minimum input and click **SET MIN**.
  - To set the maximum value, push the mixture and throttle based on preference of maximum input and click **SET MAX**.
- After setting the adjustments, click the **SAVE** button before closing the window.

## Trim Wheel with Indicator Adjustments (Optional):

To adjust the trim wheel with indicator's settings, do the following:

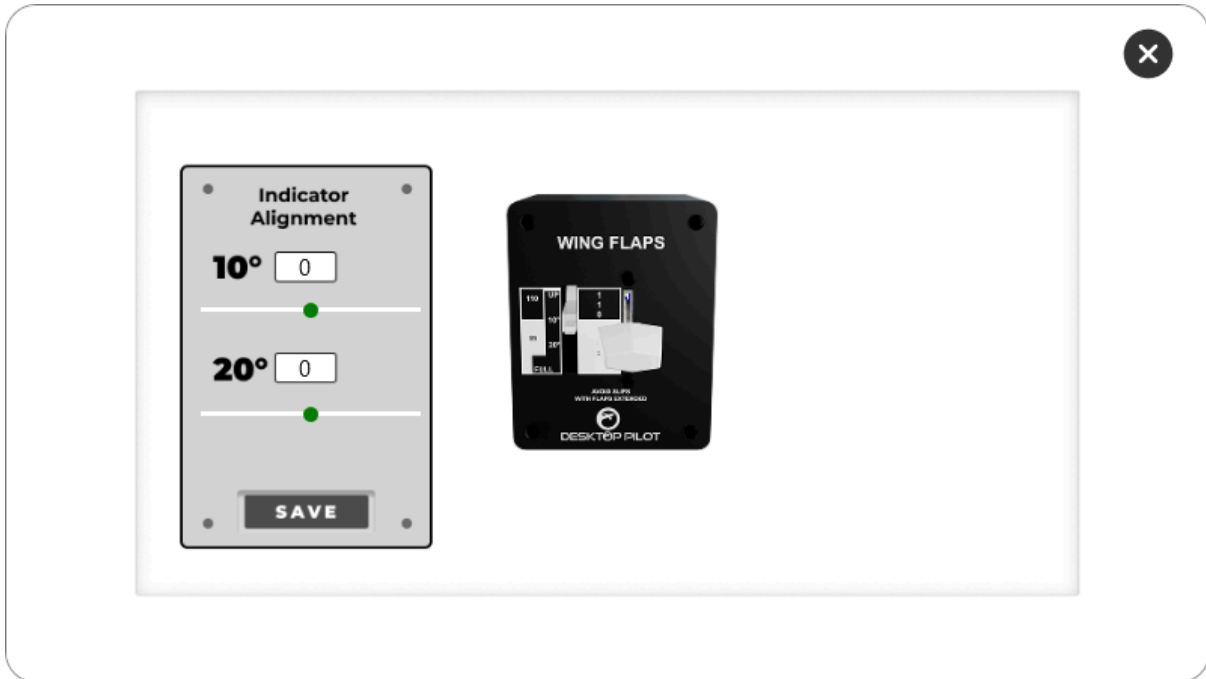


- Adjust the **sensitivity** of the trim wheel using the **sensitivity knob** located at the bottom right.
  - Turn **counterclockwise** to decrease sensitivity.
  - Turn **clockwise** to increase sensitivity.
  - After adjustment, click the **lock sensitivity** icon and then click the **Save** button.
- Configure the **friction** of the trim wheel by inserting an **Allen Wrench** into the **adjustment slot** on the side of the trim wheel.
  - Turn **clockwise** to tighten movement for slower rotation.
  - Turn **counterclockwise** to loosen movement for faster rotation.
- If the **trim indicator** does not align with the physical panel, set the **center value** to recalibrate the indicator's center position, then click the **Save** button.

## Flaps Panel with Indicator Adjustments (Optional):

In case the indicator is not aligned to the physical flaps panel, do the following to adjust the alignment of the indicator:

1. Click the **Flaps Panel setting icon** to open its settings.



2. To adjust the physical indicator, move the green dots on the slider to the desired angle (e.g., 10 degrees or 20 degrees).
3. After making adjustments, check the alignments if it is correct.
4. Once done, click the **SAVE** button before closing the window.



## OPERATION GUIDE

### STANDARD OPERATION:

1. Open **Microsoft Flight Simulator (2020 or 2024)** and go to flight mode.
2. Open **SkySync**. Select the corresponding simulator, start connecting and test the Desktop Pilot devices' functionality.
3. **Optional:** In SkySync, check the connected devices if a calibration or adjustment is needed for a certain device before starting to fly.

### ADVANCED FEATURES:

#### 1. Customizable Functionality

**SkySync** software has the feature of being able to modify or set up Desktop Pilot devices in order to enhance user experience and quality of life. Remember that the modifications for setting up the following devices in **SkySync** must be set first before a take-off.

#### 2. Trim Wheel Indicator Position Reset

To reset the trim wheel to the center, press and hold the trim wheel's sensitivity knob until the indicator begins moving toward the center on its own.

#### 3. Failure Toggling (only in MSFS 2024)

Using the **Lighted Fuse Breaker Panel**, modeled after the breaker panel of the Cessna 172 Skyhawk G1000. This panel uses white buttons for circuit breakers that light up red when a failure occurs. Unlike the real aircraft's breaker panel, where failures are addressed by fixing wiring, this panel allows failures to be toggled by simply pressing the buttons.

- a. **Toggling Failures:** Pressing any of the white buttons triggers or fixes the failure associated with the labeled aircraft system. When a button lights up red, it indicates that the corresponding system has failed. Pressing the lit button again will resolve the failure, turning off the red light.

#### 4. ELT Switch Functionality

ELT switch is fully functional, replicating the behavior of the real Cessna 172 Skyhawk's ELT switch with an extra feature when the aircraft crashes.

- a. **ON:** When the switch is turned on, the ELT light begins blinking.
- b. **ARM:** In the armed position, the light remains off under normal conditions. If a simulated plane crash occurs while the ELT is armed, the light will automatically start blinking.

#### 5. Hobbs Meter Tick

Turning on the plane's engine will start the ticking of Hobbs Meter. Pausing the simulator or crashing the plane will pause the ticking of Hobbs Meter.



# DESKTOP PILOT

## CONTACT INFORMATION

If you experience any issues during the setup of the **SkySync Desktop Pilot COMPATIBLE WITH MSFS** or encounter problems while using it, our customer support team is here to help.

**Email:** [sales@desktoppilot.com](mailto:sales@desktoppilot.com)

**Phone:** +1-888-296-9150

**Hours:** Monday–Friday, 10 AM – 6 PM EST