

JARDesign Group

# CoPilot plugin for LR Cessna 172SP

## (how to Install and Use)

### features:

- + animated 3d CoPilot model
- + can recognize and execute voice/menu commands
- + can speak
- + can read checklists
- + can operate with Events (flight parameters detection)
- + can execute SOP (Normal Procedures, Limited)



# LICENSE AGREEMENT

By installing this Software product («JARDesign CoPilot» - X-Plane 11 plugin), you agree to be bound by the terms of this Agreement. If you do not agree to the terms of this Agreement, please, do not install or use the Product.

You may install the Software onto a single computer for your personal, noncommercial use subject to these conditions:

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4. The Software may include portions offered on terms in addition to those set out here, as set out in a license accompanying those portions.
5. REFUND POLICY (for payware products): We guarantee 100% money back version if your serial number has not been activated. For all other cases - no refund.
6. Serial key may be activated with one aircraft installed at one Computer ID. After first activation your serial key may be used with the same aircraft at the same computer (detected as Computer ID).

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## STEP-BY-STEP

1. Setup speech/recognition engine at your computer (read below)
2. Install CoPilot plugin to your compatible aircraft "/plugins/" folder.
3. Load aircraft and check what you see copilot in cockpit, it animated, speak and recognize your voice command.
4. Use

# SETUP SPEECH RECOGNITION (WINDOWS 10)

Please be sure what US English language pack is already installed and English selected as Windows display language

The image shows the Windows 10 Settings application. On the left, the 'Settings' app title is circled in pink. Below it, the 'Home' icon is visible. A search bar labeled 'Find a setting' is present. The 'Time & Language' category is highlighted with a pink underline. Under this category, 'Date & time', 'Region & language', and 'Speech' are listed. Pink arrows point from 'Speech' in the sidebar to the 'Speech' settings page on the right. The 'Speech' settings page includes the following options:

- Speech language**: Choose the language you speak with your device. A dropdown menu shows 'English (United States)'.
- Recognize non-native accents for this language
- Text-to-speech**: Change the default voice for apps.
  - Voice**: A dropdown menu shows 'Microsoft David'.
  - Speed**: A slider control.
  - Listen to voice sample**: A button labeled 'Preview voice'.
- Microphone**: Set up your mic for speech recognition. A button labeled 'Get started'.

Please select English language for Recognition, run voice preview, setup microphone.

← Settings

Home

Find a setting

**Time & Language**

Date & time

**Region & language**

Speech

## Region & language

### Country or region

Windows and apps might use your country or region to give you local content

Russia

### Languages

Windows display language

Windows features like Settings and File Explorer will appear in this language.

English (United States)

Preferred languages

Apps and websites will appear in the first language in the list that they support.

+ Add a language

English (United States)  
Windows display language

Русский  
Language pack installed

**Add English if not exist**

Next turn recognition On (You may skip this step if you have Non-English interface at your Windows)

← Settings

Home

Find a setting

**Ease of Access**

Vision

- Display
- Cursor & pointer size
- Magnifier
- Color filters
- High contrast
- Narrator

Hearing

- Audio
- Closed captions

Interaction

- Speech**
- Keyboard
- Mouse

## Speech

Make your device easier to use if you have limited reach or strength.

### Talk instead of type

Use dictation to make text entry easier (US English only).

Press the Windows logo key **⊞** + H to start dictation. On the touch keyboard, select the microphone button.

[Get more info about dictation](#)

### Dictate text and control your device using only your voice

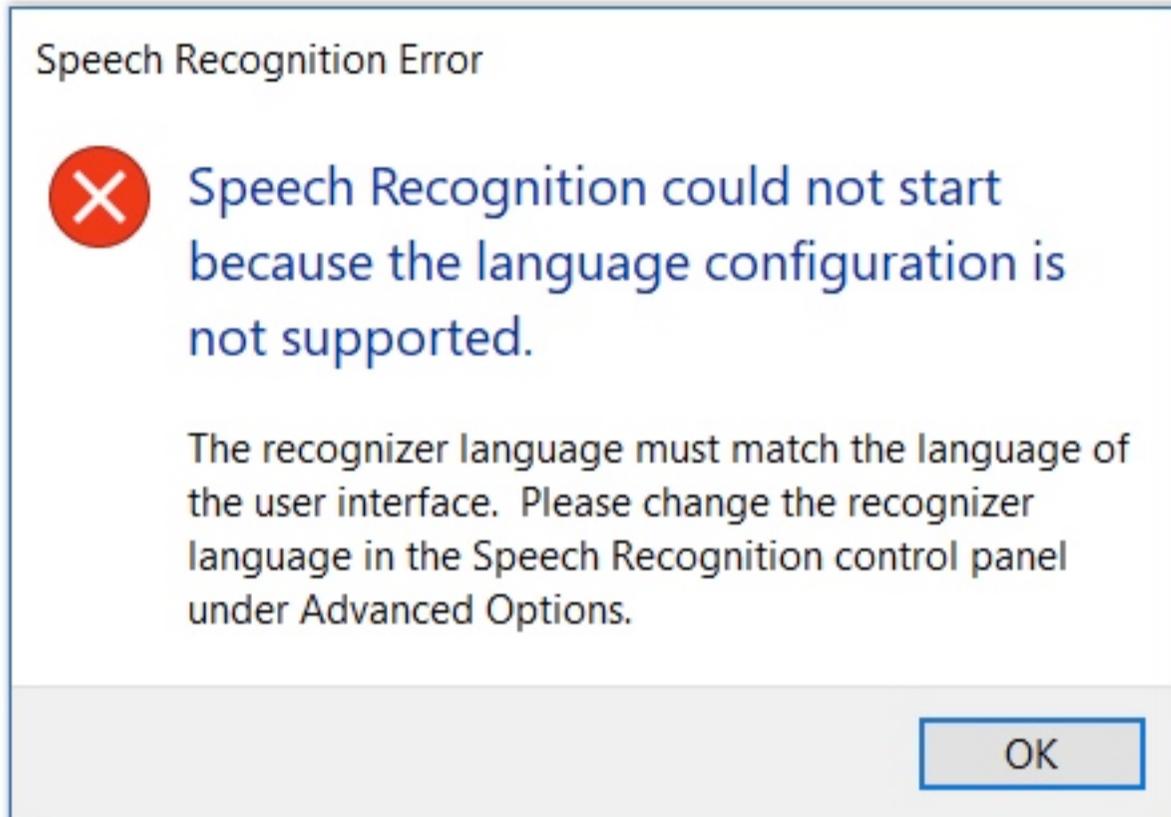
Turn on Speech Recognition

On

Speech Recognition is only available for the following languages: English (United States, United Kingdom, Canada, India, and Australia), French, German, Japanese, Mandarin (Chinese Simplified and Chinese Traditional) and Spanish.

Press the Windows logo key **⊞** + Ctrl + S to toggle Speech Recognition on or off.

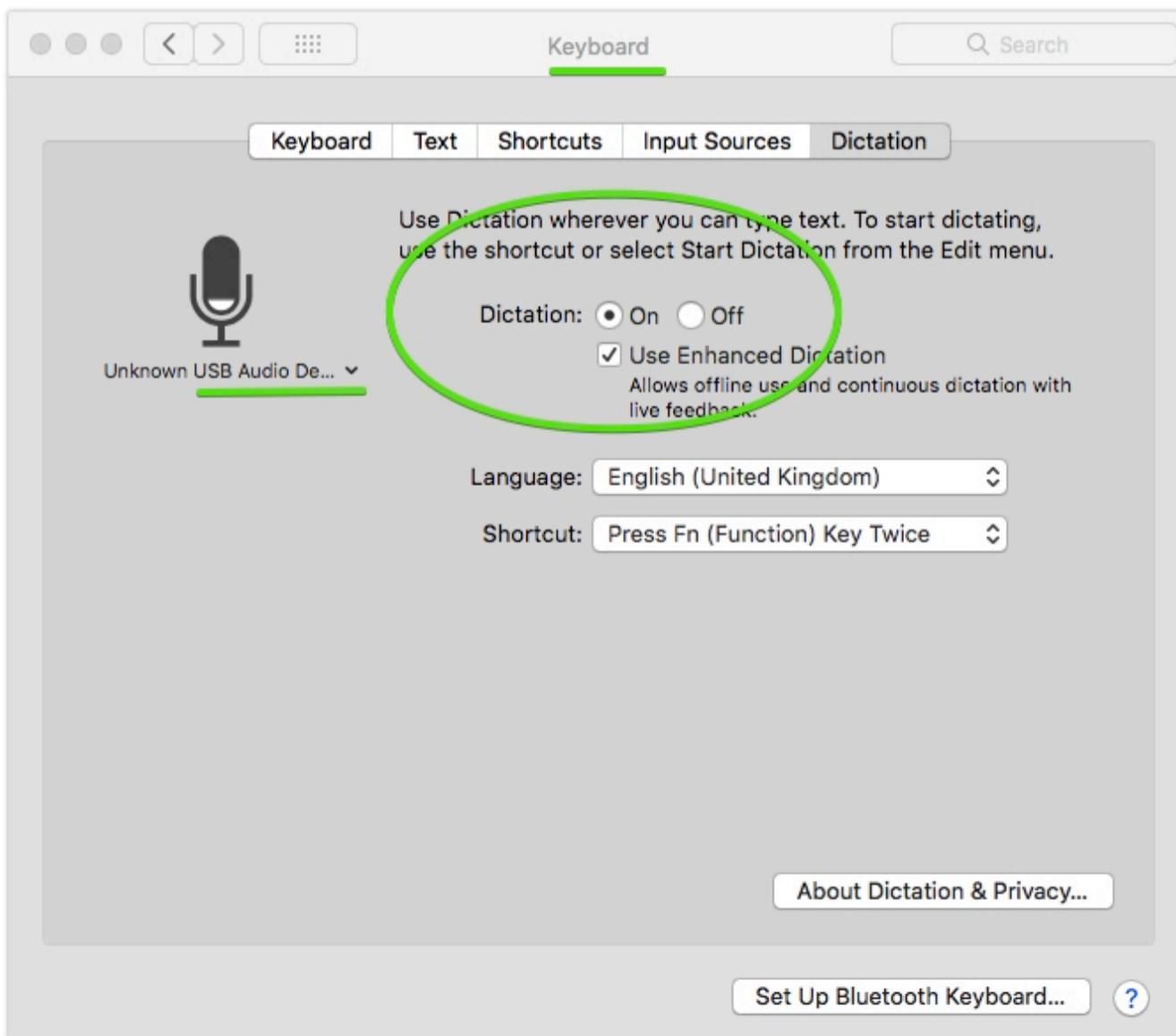
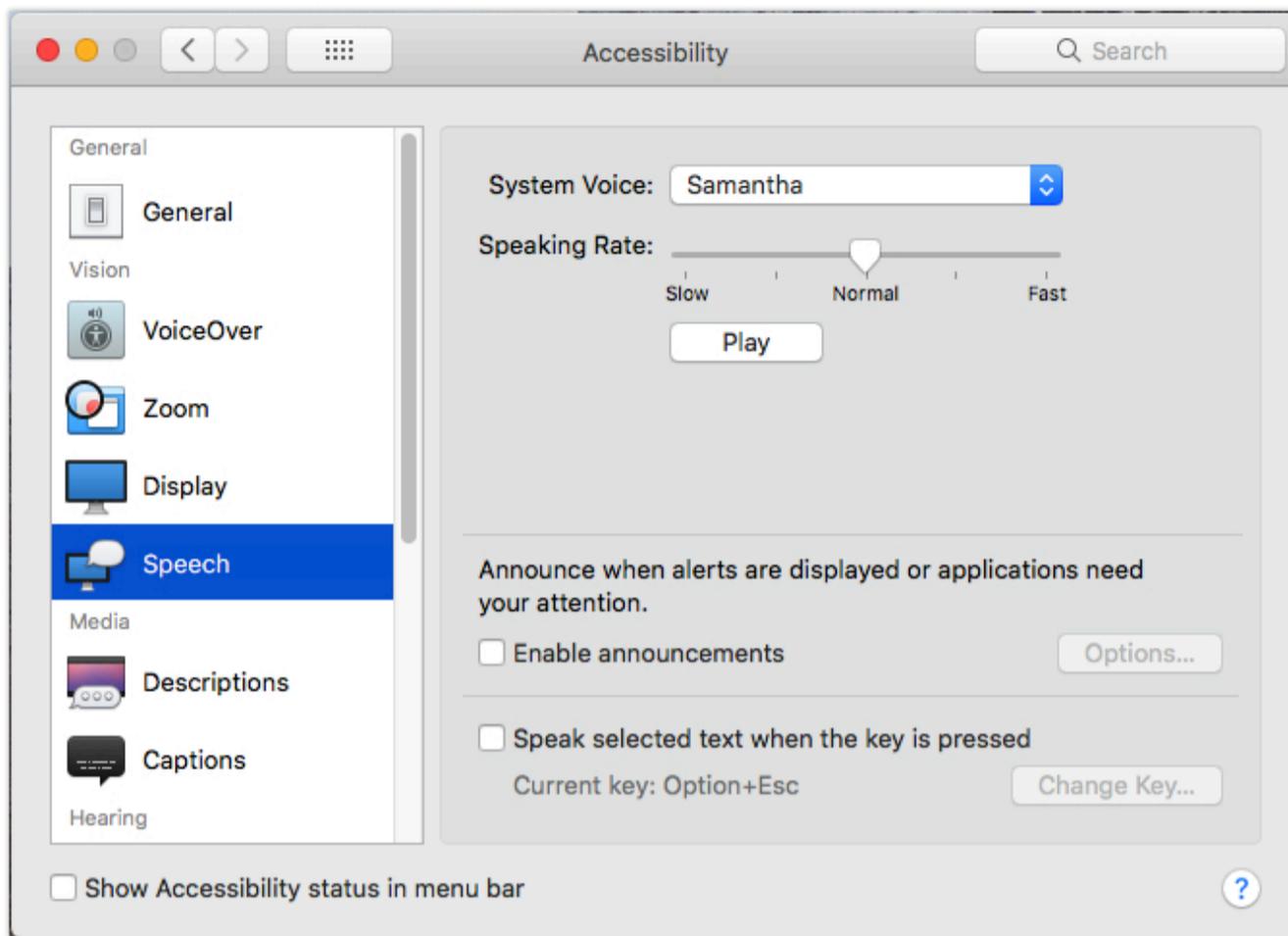
If you will get this error, you need setup English as user interface language (Windows display language) and English as your recognition language (language you speak with your device) and reload computer.



**Please use this basic manual if need:**

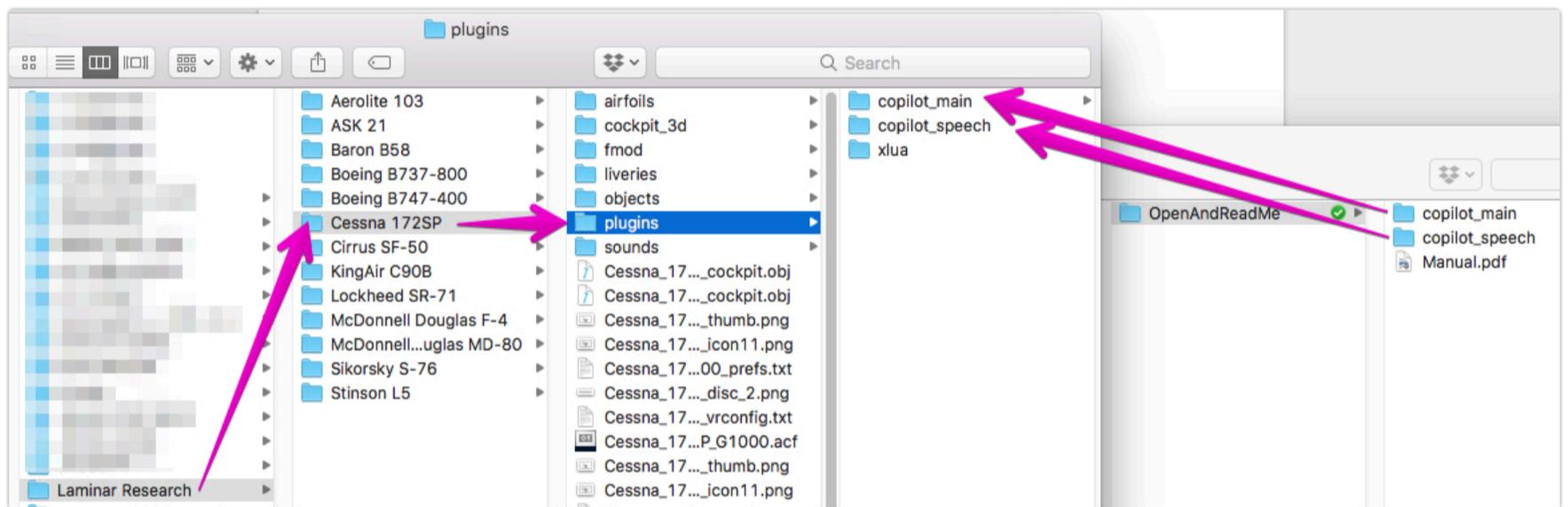
<https://www.windowscentral.com/how-set-speech-recognition-windows-10>

# SETUP SPEECH / RECOGNITION (MAC OS)



# INSTALL PLUGIN

1. Find your aircraft Cessna 172SP plugins folder inside ../X-Plane\_11/Aircraft/Laminar Research/Cessna 172SP/plugins/
2. UnZip copilot distributive and Put "copilot\_main" and "copilot\_speech" folders from your ZIP pack to "../Cessna 172SP/plugins/" folder
3. Run X-Plane and load default Cessna 172SP. Installation will be complete. ACF file will be update. Backup copy of original file will create "Cessna\_172SP.acf.backup"
4. Reload aircraft



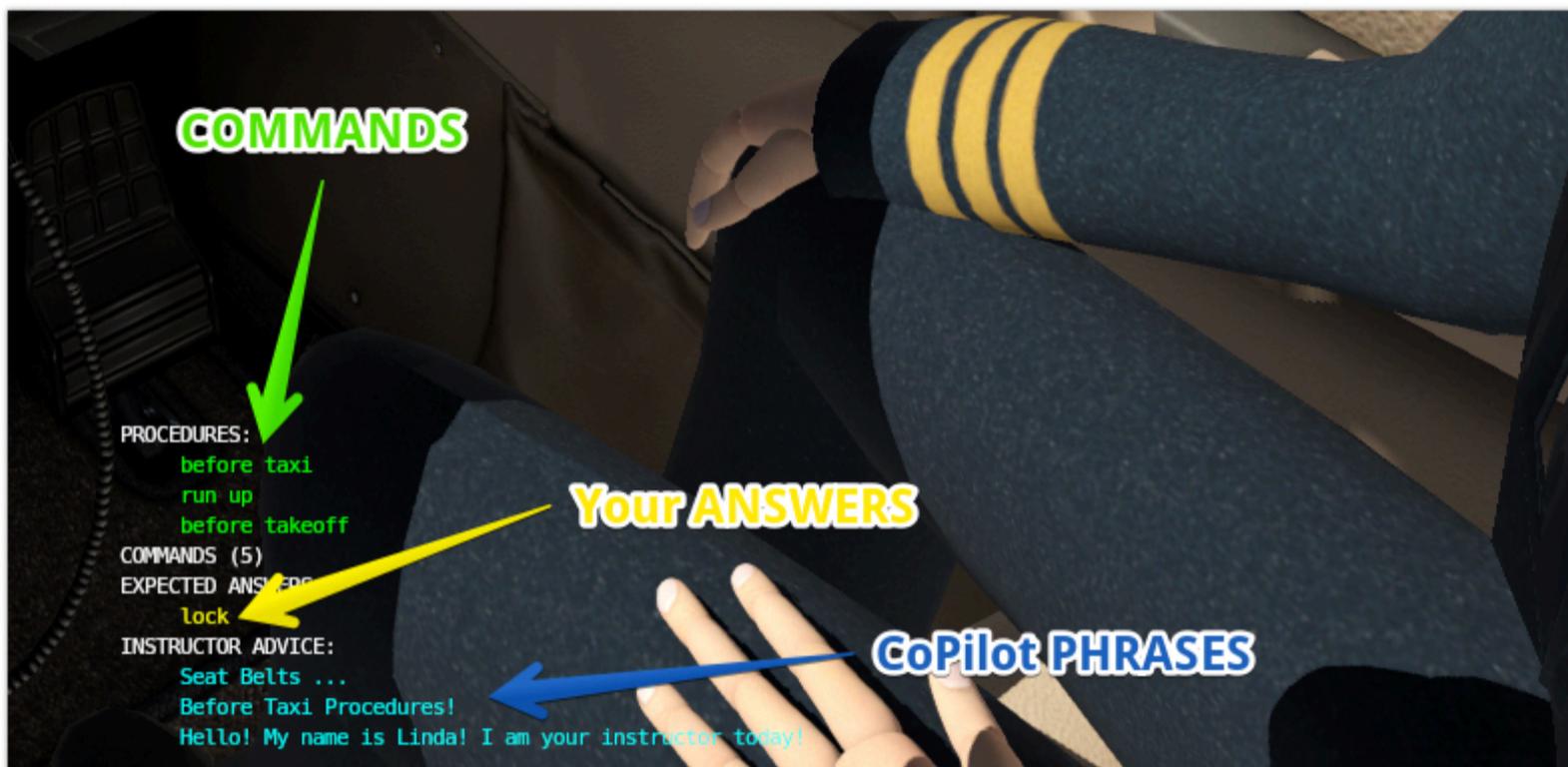
# HARDWARE SETUP

For voice input - **You need** to have microphone or headset to use this plugin. Speech recognition should be setup and checked on your OS before copilot plugin installation.

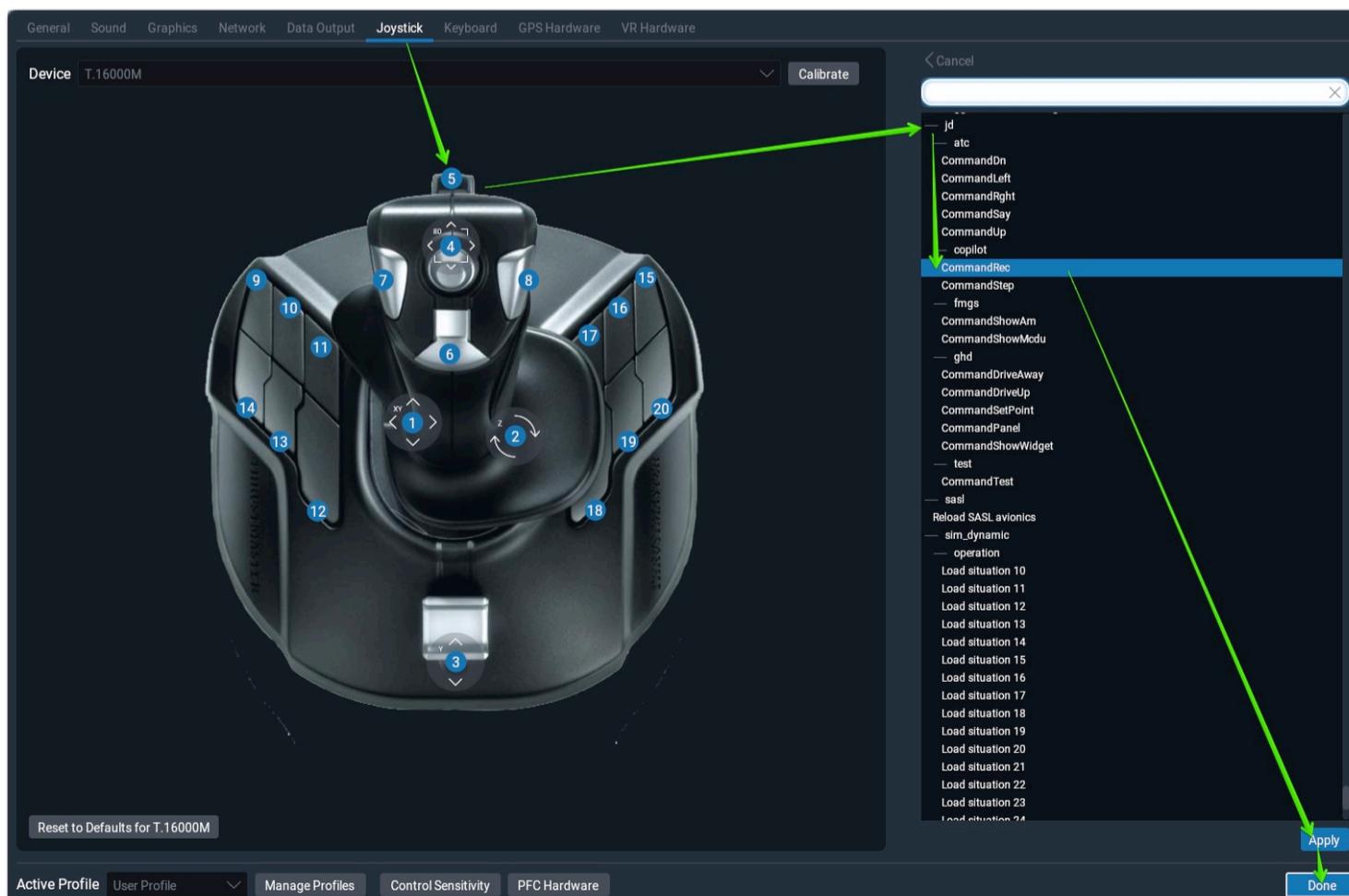
For mouse click input - **You need** setup your Windows/MACOS speech settings only and skip voice recognition setup.

# HOW TO USE

You may speak with CoPilot via voice or select commands via Menu. Say (or select **COMMANDS: hello**) for test.

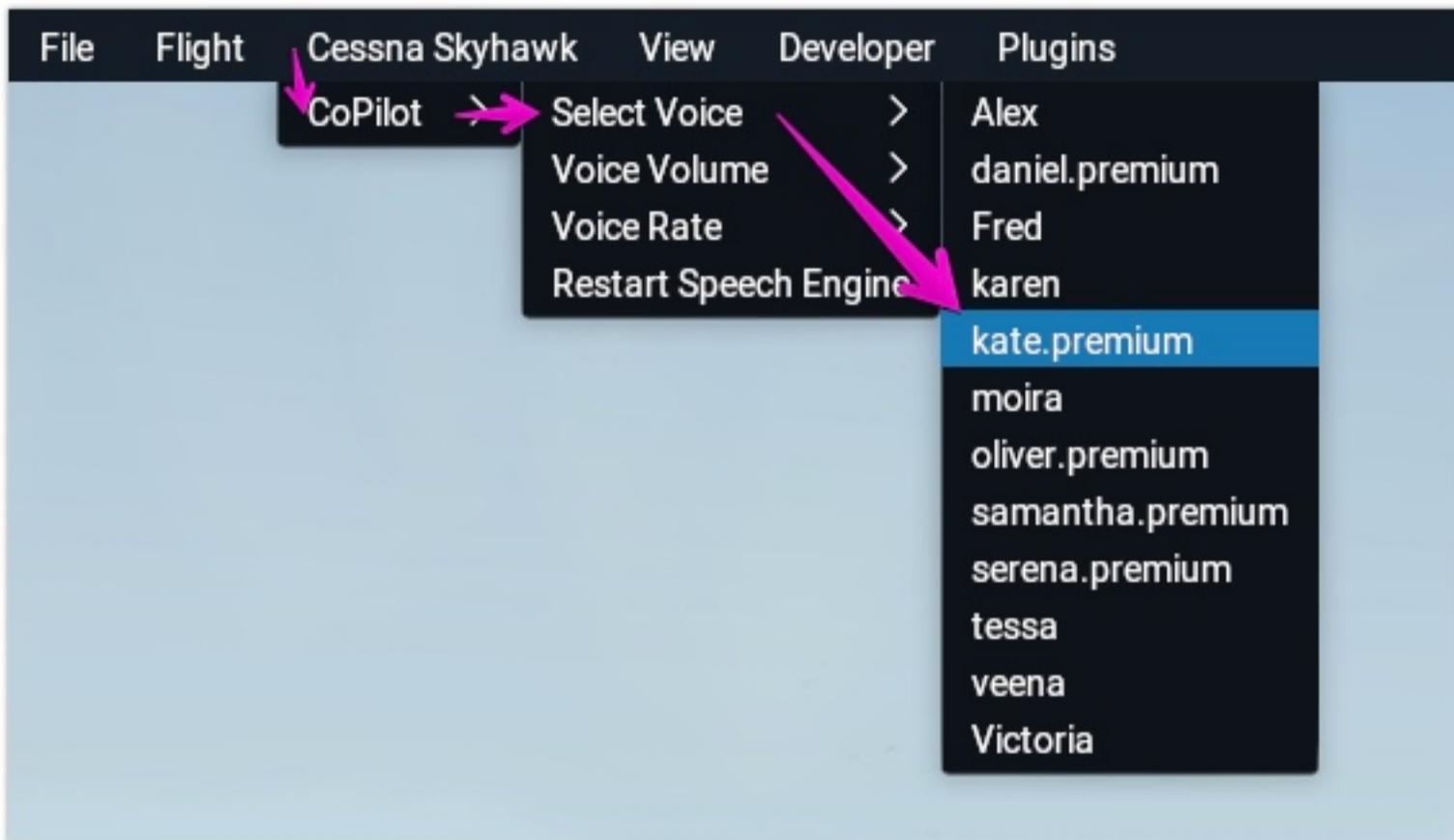


If you prefer voice control, you need setup special joystick (sure, keyboard may be used too) button to jd/CommandRec.



You may look at CoPilot, hold this joystick button and say something like "Hello!" Typical pattern - press the button, say the text, release the button.

You can change speech parameters using Menu, like this:



## HOW TO UNINSTALL PLUGIN

1. Delete "copilot\_main" and "copilot\_speech" folders from "../X-Plane\_11/Aircraft/Laminar Research/Cessna 172SP/plugins/" folder
2. Delete "Cessna\_172SP.acf" file from "../X-Plane\_11/Aircraft/Laminar Research/Cessna 172SP/" folder
3. Rename "Cessna\_172SP.acf.backup" file to "Cessna\_172SP.acf" at "../X-Plane\_11/Aircraft/Laminar Research/Cessna 172SP/" folder

### PRODUCT WEBPAGE:

<http://www.jardesign.org>

### SUPPORT

<http://www.support.jardesign.org>