

CoPilot plugin for ToLiss A321

(how to Install and Use)

features:

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



LICENSE AGREEMENT

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6. Serial key may be activated with one aircraft installed for only 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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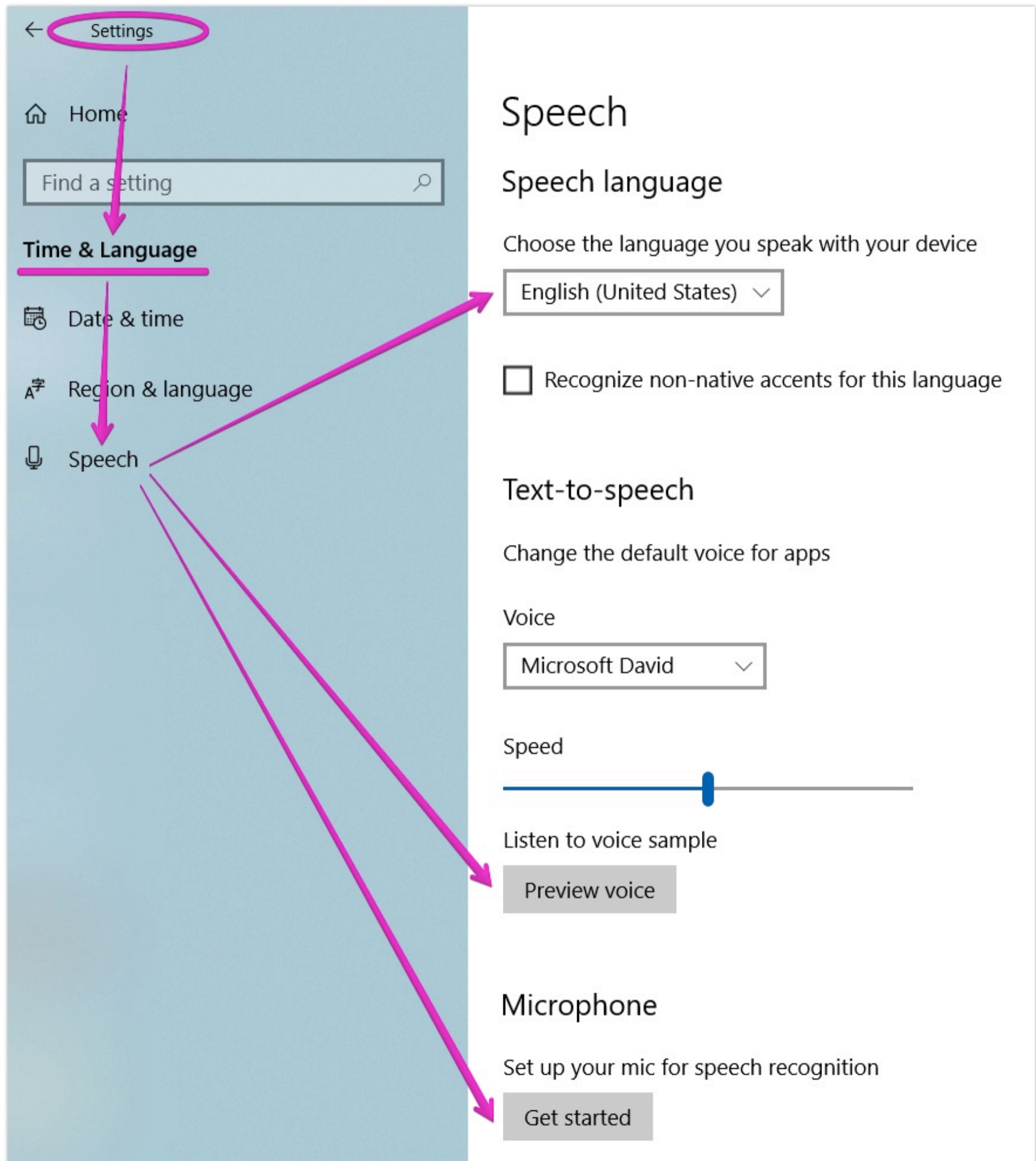
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STEP-BY-STEP

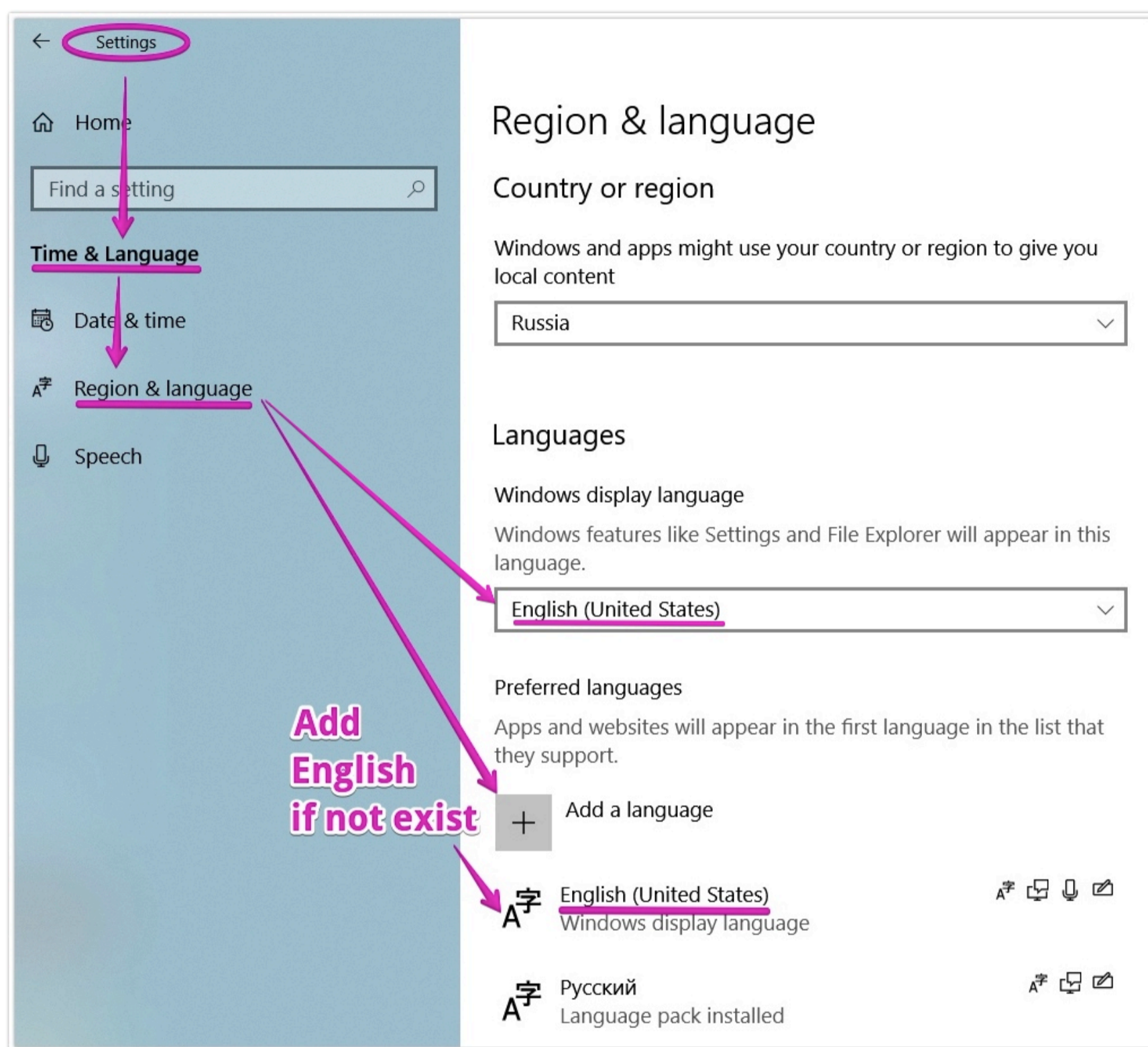
1. Setup speech/recognition engine at your computer (read below)
2. Copy CoPilot plugin files to your compatible aircraft "/plugins/" folder.
3. Load aircraft and setup plugin.
4. Check what you see copilot in cockpit, it animated, speak and recognize your voice command.
5. Use.

SETUP SPEECH RECOGNITION (WINDOWS 10)

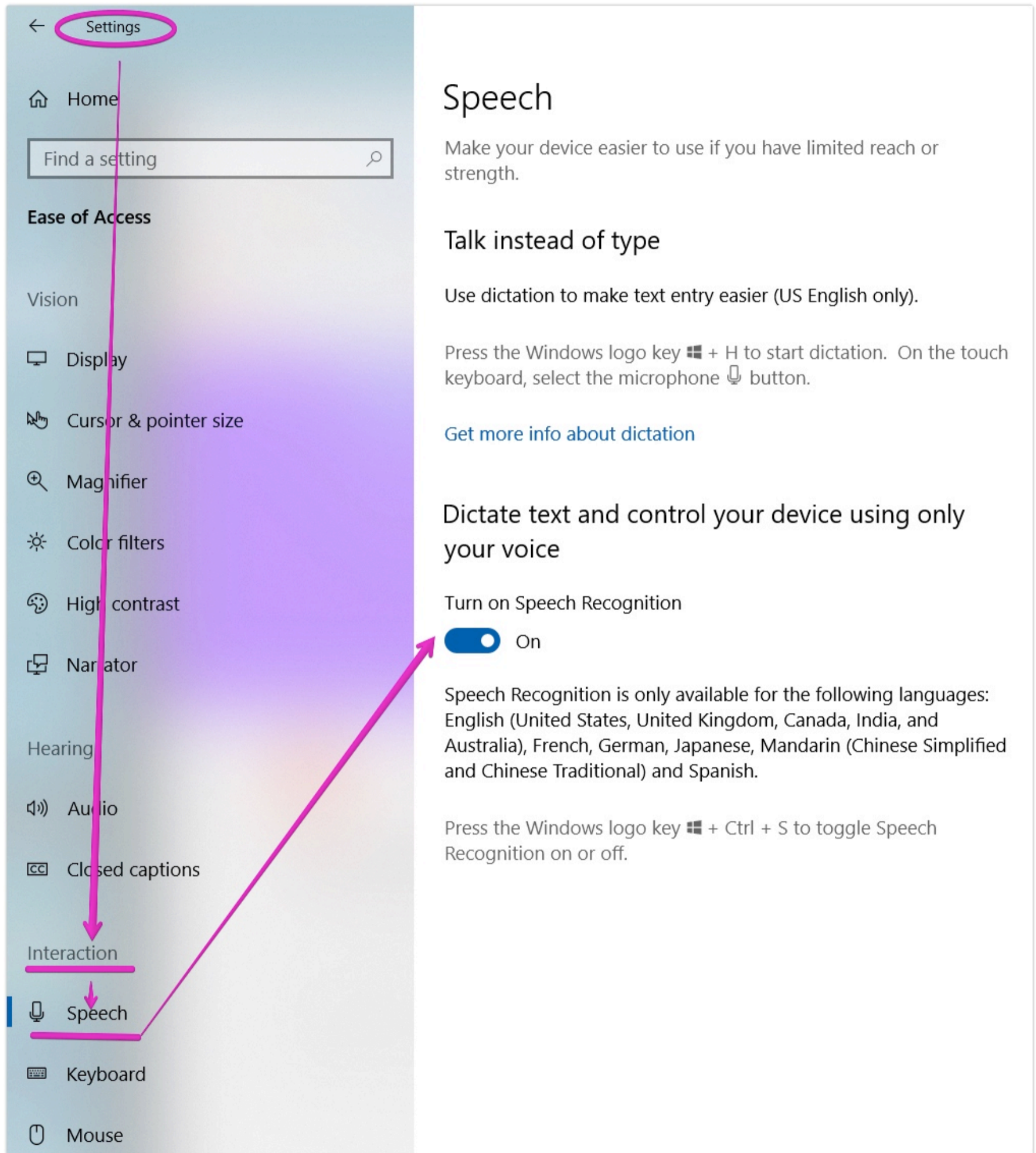
Please be sure what US English language pack is already installed and English selected as Windows display language



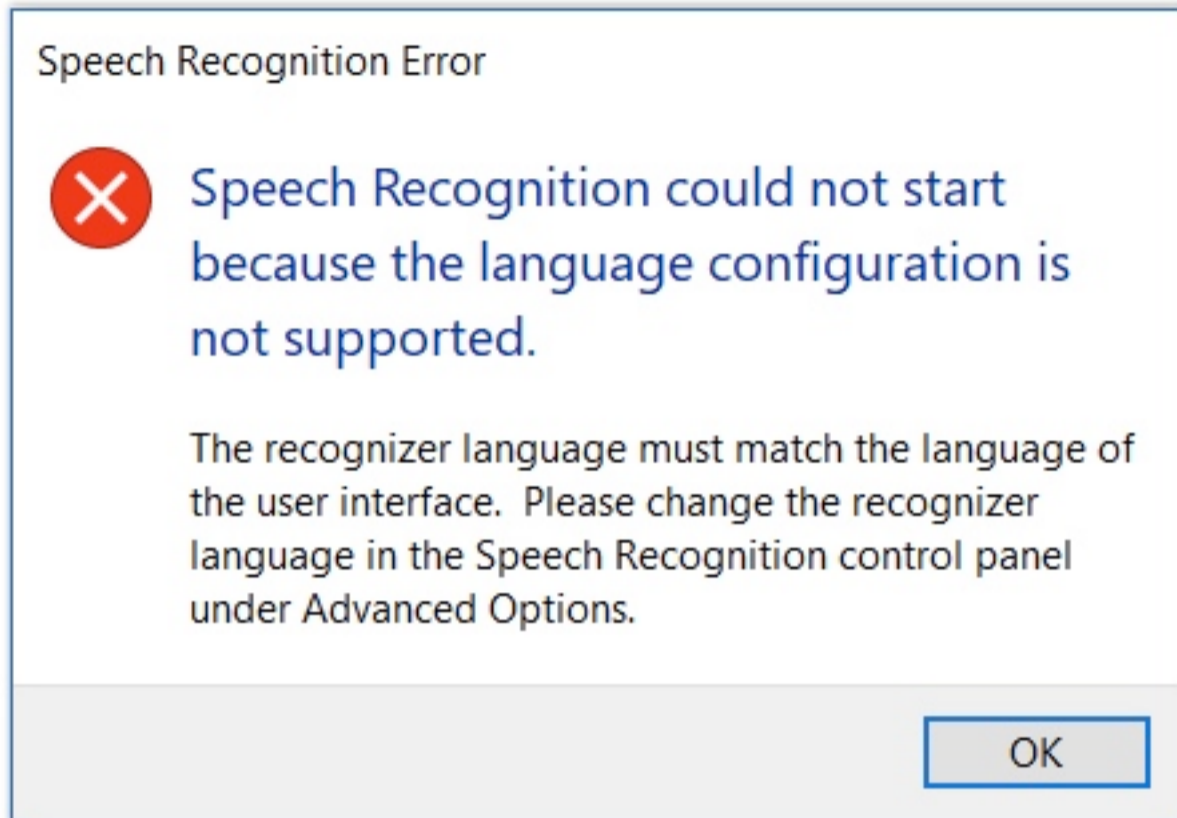
Please select English language for Recognition, run voice preview, setup microphone.



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



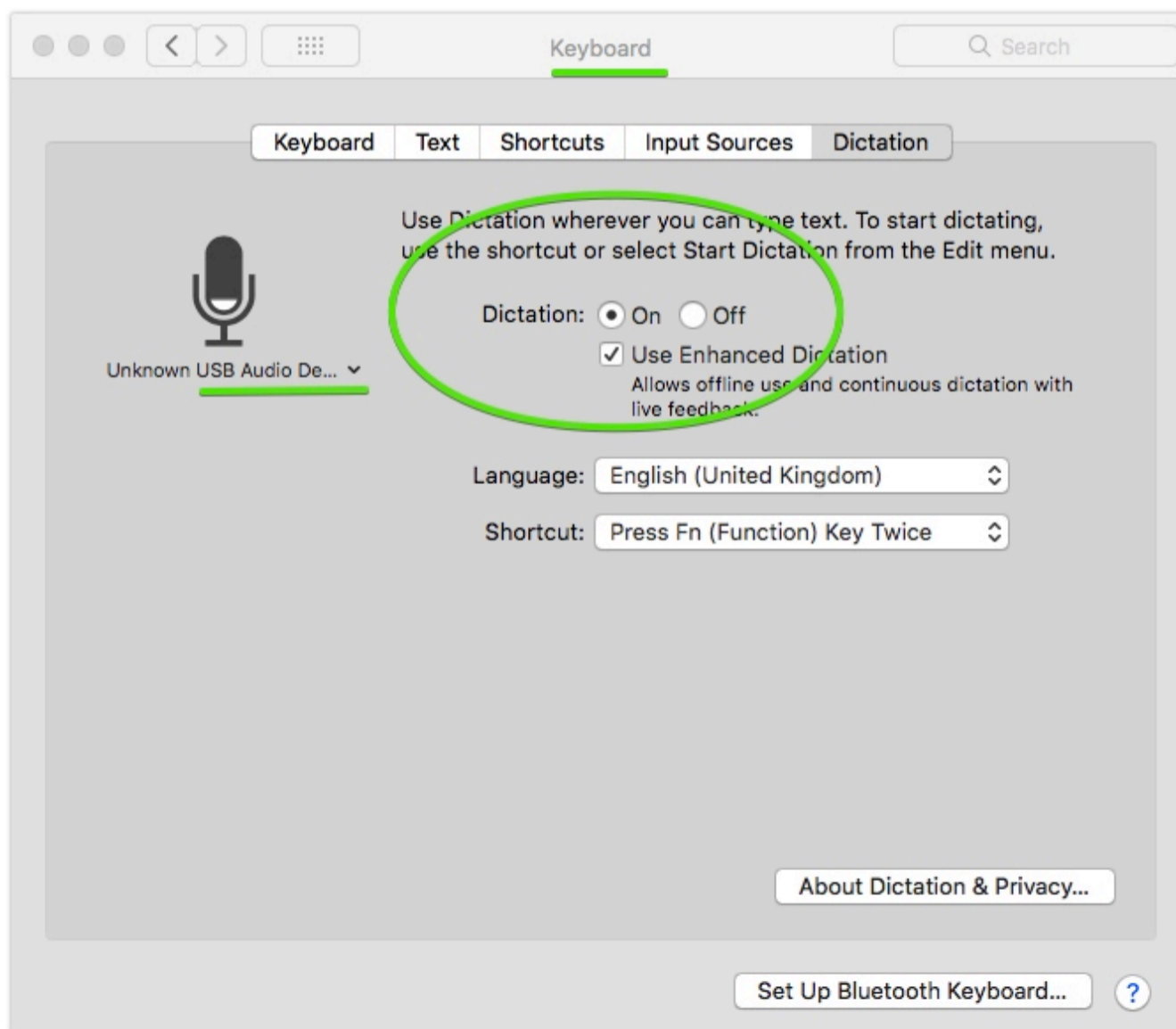
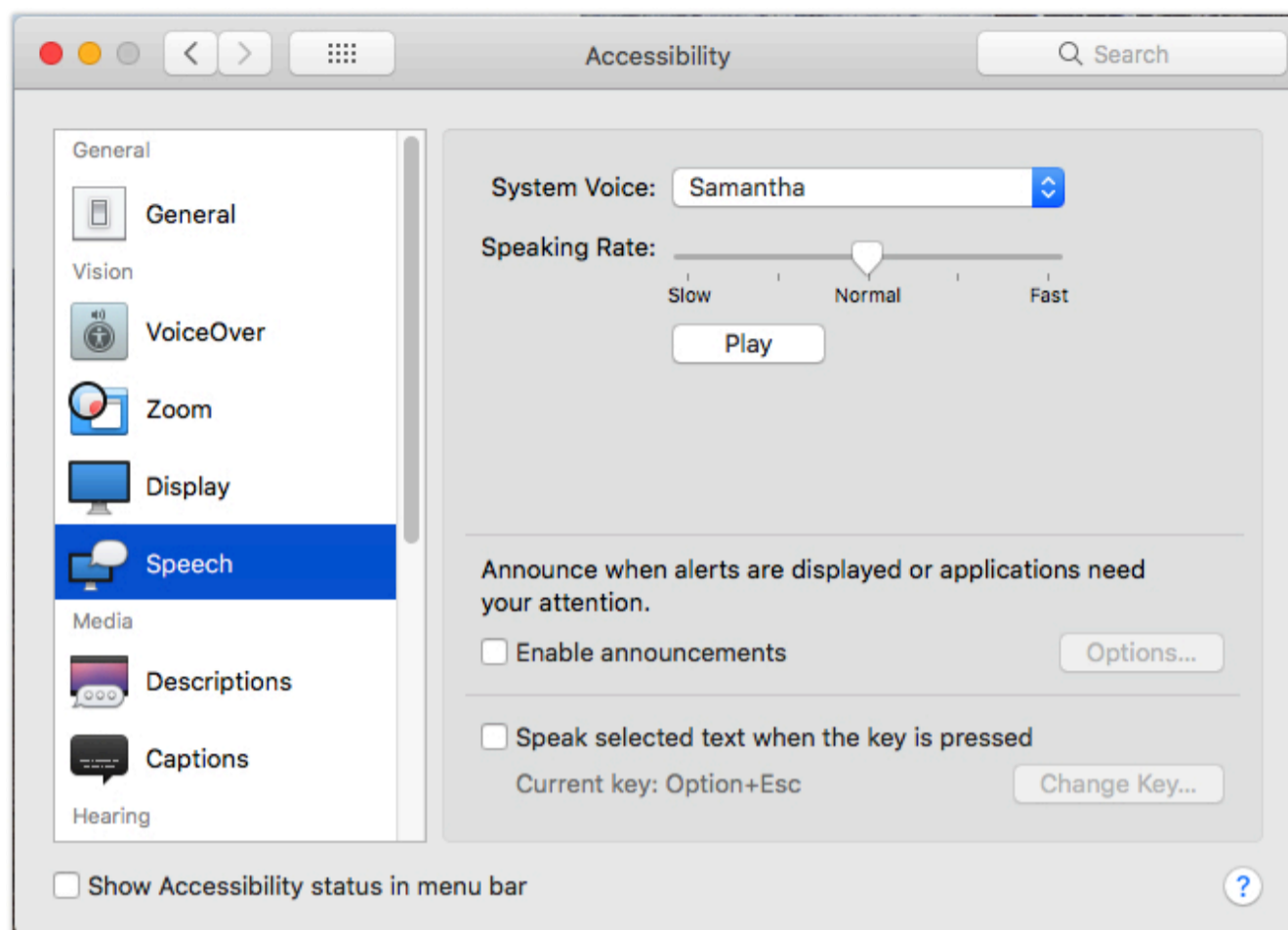
If you will get this error, you need setup English as user interface language (Windows display language) and English as your recognition language (language you speak with your device) and reload computer.



Please use this basic manual if need:

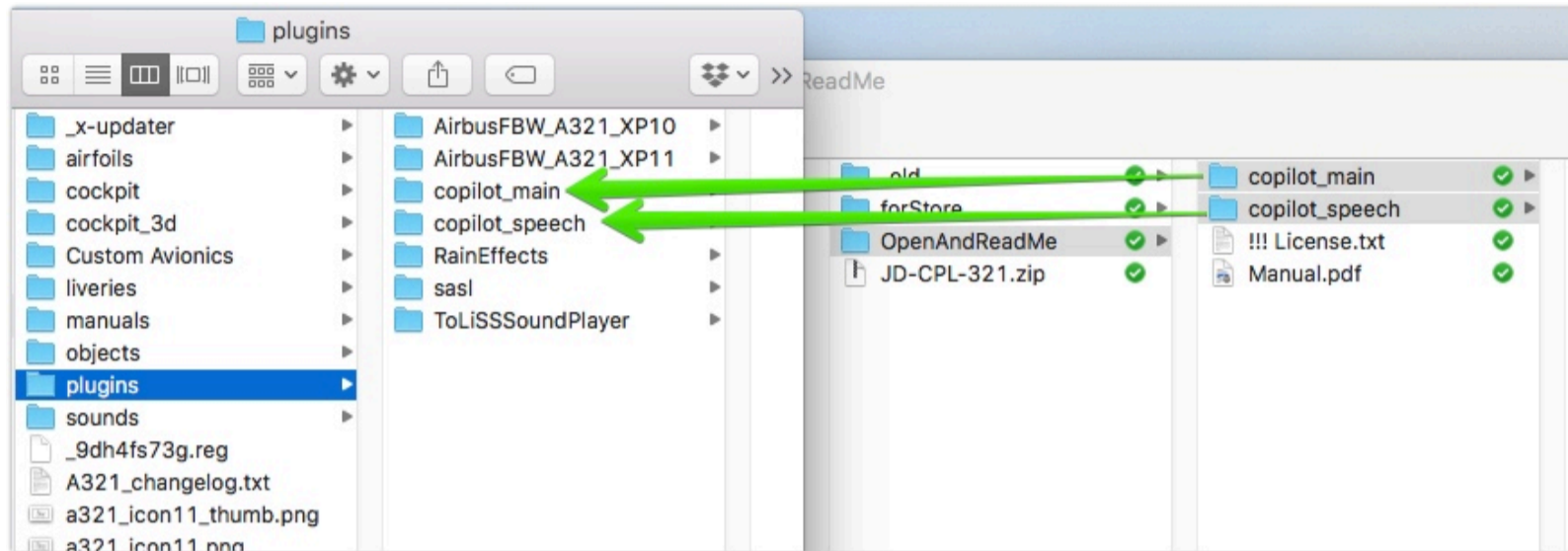
<https://www.windowcentral.com/how-set-speech-recognition-windows-10>

SETUP SPEECH / RECOGNITION (MAC OS)



INSTALL PLUGIN

1. Find your aircraft ToLiss A321 plugins folder inside ../X-Plane_12/Aircraft/ToLiss_A321/plugins/ or path like this.
2. UnZip copilot distributive and Put "copilot_main" and "copilot_speech" folders from your ZIP pack to "../ToLiss_A321/plugins/" folder



3. Run X-Plane and load ToLiss_A321. Select "Setup" to complete installation. ACF file will be update. Backup copy of original file will create "a321.acf.backup" (optional)

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.

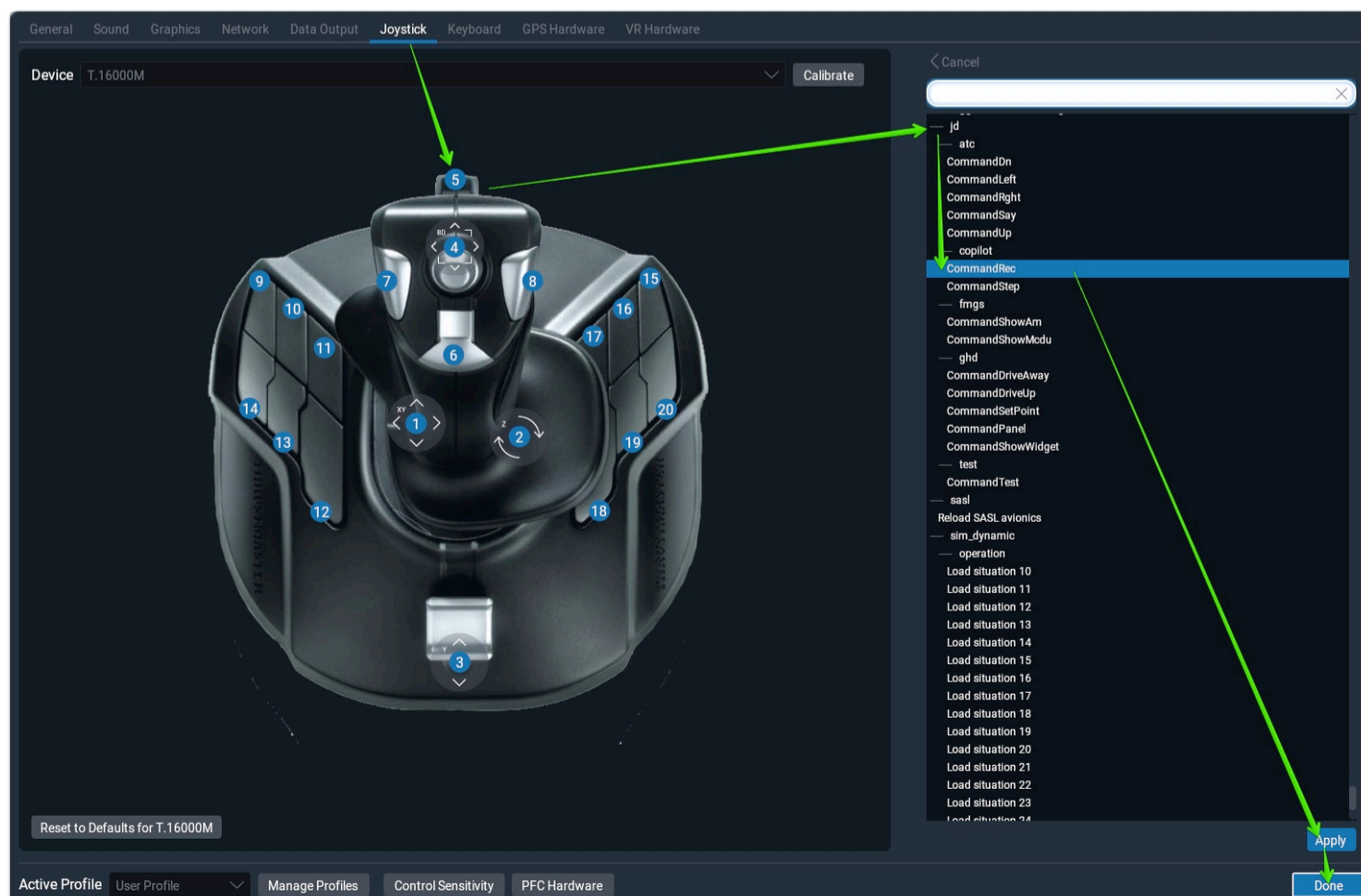
For mouse click input - **You need** setup your Windows/MACOS speech settings only and skip voice recognition setup.

HOW TO USE

You may speak with CoPilot via voice or select commands via Menu or select command via widget. When you run checklist - expected answers (clickable) will be indicated in yellow.

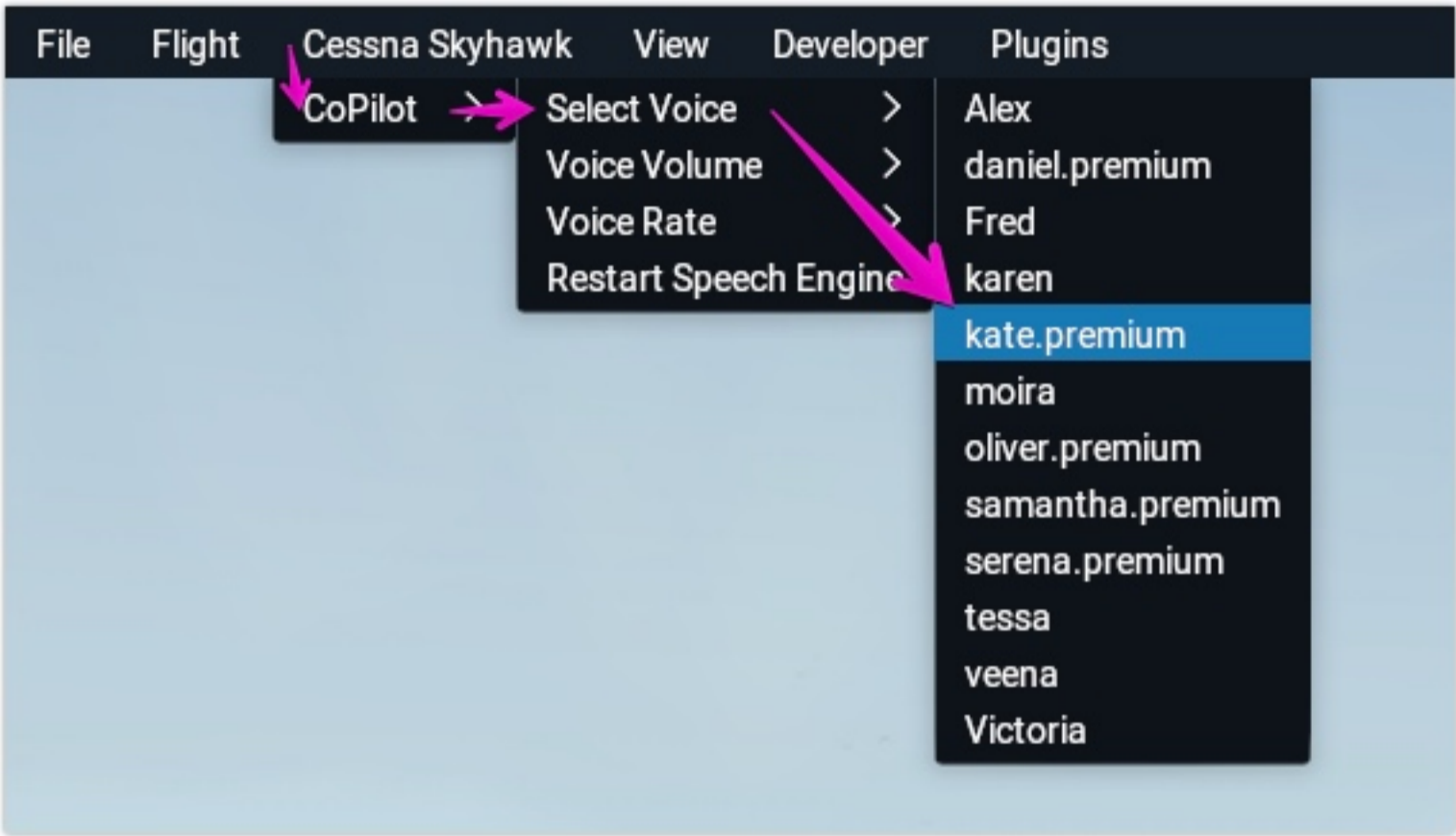


If you prefer voice control, you need setup special joystick (sure, keyboard may be used too) button to jd/CommandRec.



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:



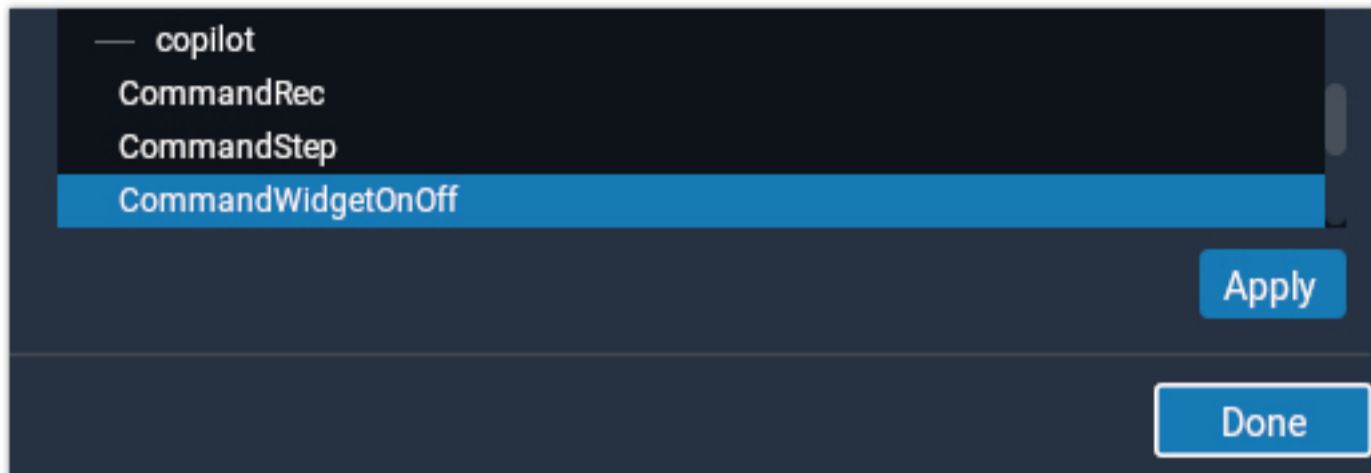
HOW TO KNOW WHAT COMMANDS MAY BE USED

1. Use Menu -> CoPilot -> Commands to see full list of commands what may be activated by voice, by this menu or by widget menu.



WIDGET

Widget may show you a shortlist of commands for actual flight phase. Sure, any command may be used in any time by menu or by voice input. You may show and hide widget using this command (assign it to your keyboard or joystick):



You may change widget position using "MOVABLE" zone:



HOW TO UNINSTALL PLUGIN

1. Use Menu -> Uninstall CoPilot. Reload aircraft. CoPilot not work more.
2. Delete "copilot_main" and "copilot_speech" folders from "../ToLiss_A321/plugins/" folder

PRODUCT WEBPAGE:

<http://www.jar.design.org>

SUPPORT

<http://www.support.jar.design.org>

NORMAL CHECKLIST (EXAMPLE)

BEFORE START	
COCKPIT PREP.....	COMPLETED (BOTH)
GEAR PINS and COVERS.....	REMOVED
SIGNS.....	ON/AUTO
ADIRS.....	NAV
FUEL QUANTITY.....	____ KG.LB
TO DATA.....	SET
BARO REF.....	____ SET (BOTH)

WINDOWS/DOORS.....	CLOSED (BOTH)
BEACON.....	ON
THR LEVERS.....	IDLE
PARKING BRAKE.....	AS RQRD

AFTER START	
ANTI ICE.....	AS RQRD
ECAM STATUS.....	CHECKED
PITCH TRIM.....	____ SET
RUDDER TRIM.....	ZERO

BEFORE TAKEOFF	
FLIGHT CONTROLS.....	CHECKED (BOTH)
FLT INST.....	CHECKED (BOTH)
BRIEFING.....	CONFIRMED
FLAP SETTING.....	CONF ____ (BOTH)
V1. VR. V2/FLX TEMP.....	____ (BOTH)
ATC.....	SET
ECAM MEMO.....	TO NO BLUE
<ul style="list-style-type: none"> - AUTO BRK MAX - SIGNS ON - CABIN READY (✱) - SPLRS ARM - FLAPS TO - TO CONFIG NORM 	

TAKEOFF RWY.....	____ CONFIRM (BOTH)
CABIN CREW.....	ADVISED
TCAS.....	TA OR TA/RA
ENG MODE SEL.....	AS RQRD
PACKS.....	AS RQRD

AFTER TAKEOFF / CLIMB	
LDG GEAR.....	UP
FLAPS.....	RETRACTED
PACKS.....	ON
BARO REF.....	____ SET (BOTH)

APPROACH	
BRIEFING.....	CONFIRMED
ECAM STATUS.....	CHECKED
SEAT BELTS.....	ON
BARO REF.....	____ SET (BOTH)
MINIMUM.....	____ SET (BOTH)
ENG MODE SEL.....	AS RQRD

LANDING	
CABIN CREW.....	ADVISED
A/THR.....	SPEED/OFF
AUTOBRAKE.....	AS RQRD
ECAM MEMO.....	LDG NO BLUE
<ul style="list-style-type: none"> - LDG GEAR DN - SIGNS ON - CABIN READY (✱) - SPLRS ARM - FLAPS SET 	

AFTER LANDING	
FLAPS.....	RETRACTED
SPOILERS.....	DISARMED
APU.....	START
RADAR.....	OFF/STBY

PARKING	
APU BLEED.....	ON
ENGINES.....	OFF
SEAT BELTS.....	OFF
EXT LT.....	AS RQRD
FUEL PUMPS.....	OFF
PARK BRK and CHOCKS.....	AS RQRD
Consider HEAVY RAIN	

SECURING THE AIRCRAFT	
ADIRS.....	OFF
OXYGEN.....	OFF
APU BLEED.....	OFF
EMER EXIT LT.....	OFF
SIGNS.....	OFF
APU AND BAT.....	OFF
Consider COLD WEATHER	