

How to configure OBS for YouTube Livestream



**Open Broadcaster
Software**

SoftUni Team

Technical Trainers



SoftUni



Software University

<https://softuni.bg>

Download and Install OBS

<https://obsproject.com/>

OBS Studio

Latest Release    26.0.2 - October 6th

Windows

macOS 10.13+

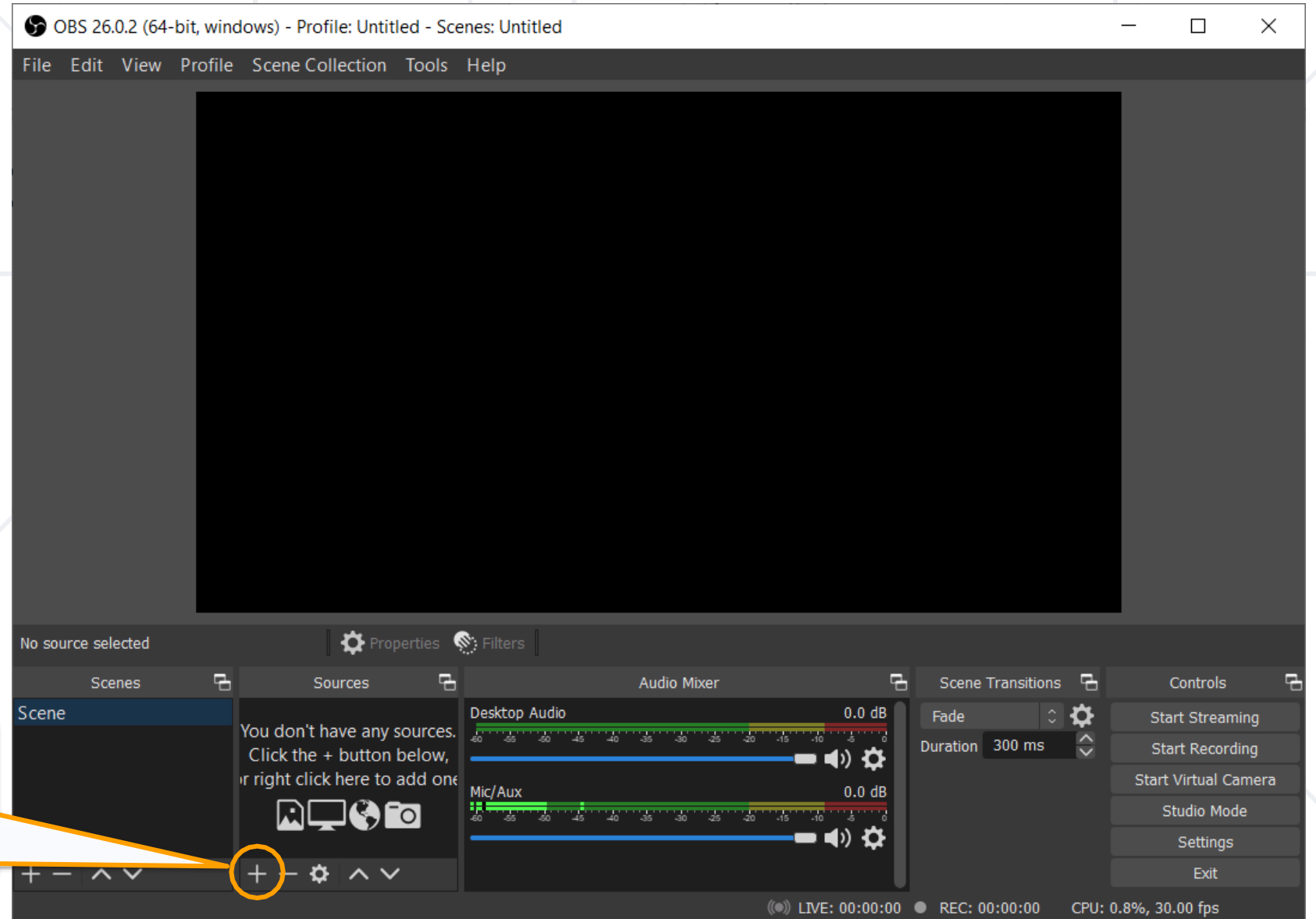
Linux

Free and open source software for video recording and live streaming.

Download and start streaming quickly and easily on Windows, Mac or Linux.



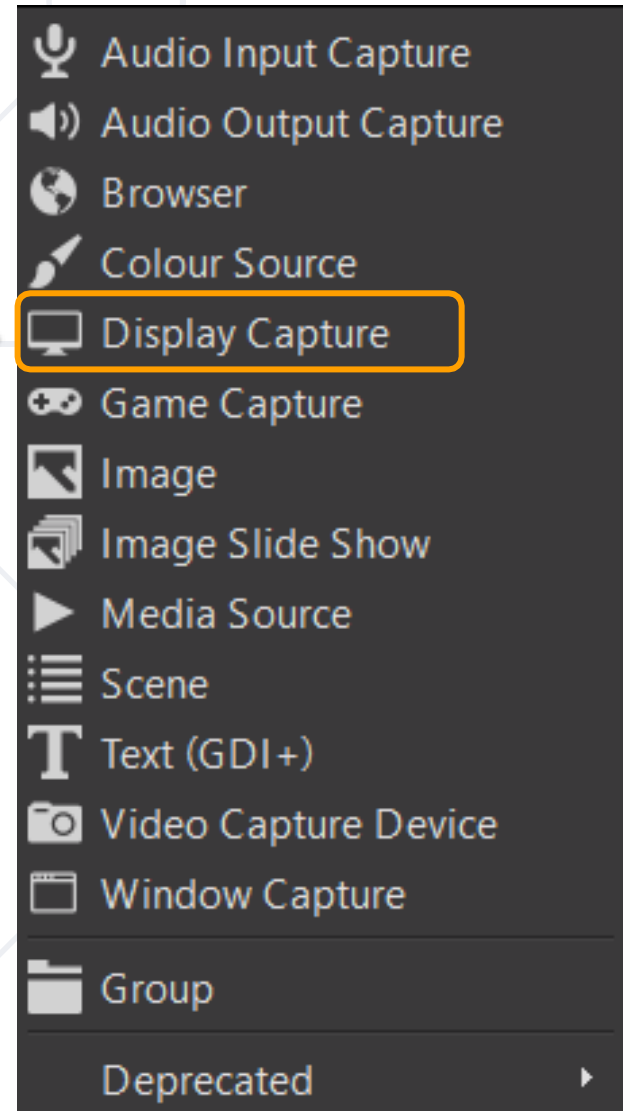
1. Add Screen Source



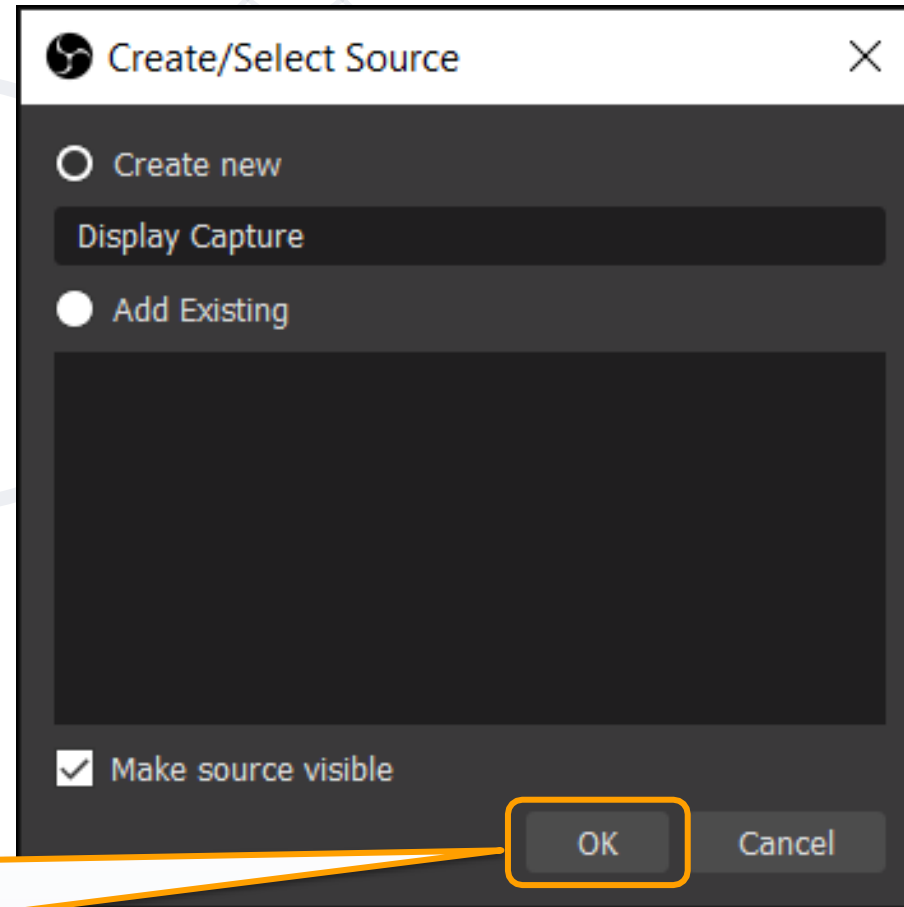
Click on the "+"
button

1. Add Screen Source

Click on the
"Display
Capture" button

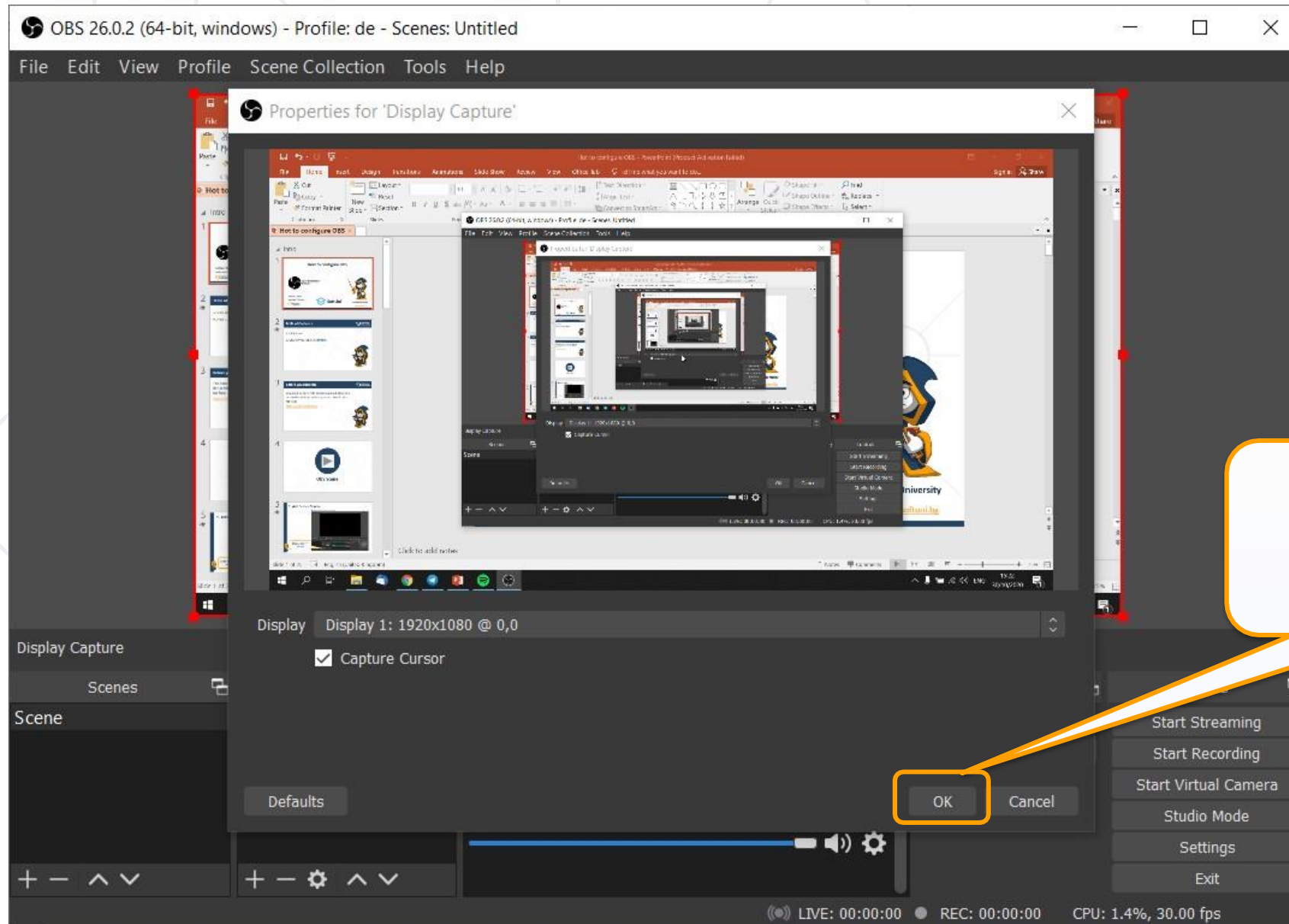


1. Add Screen Source



**Click on the "OK"
button**

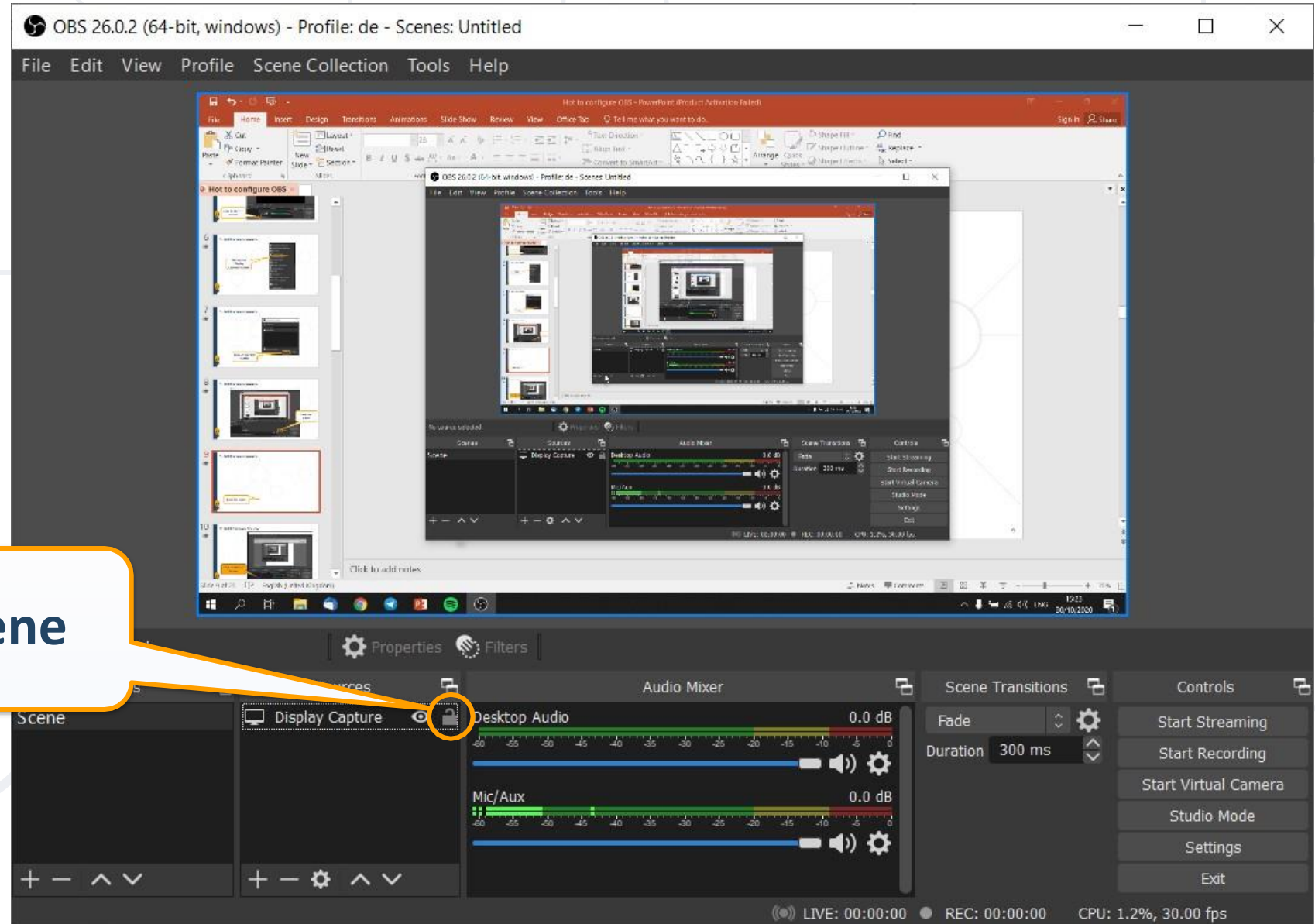
1. Add Screen Source



Save the scene

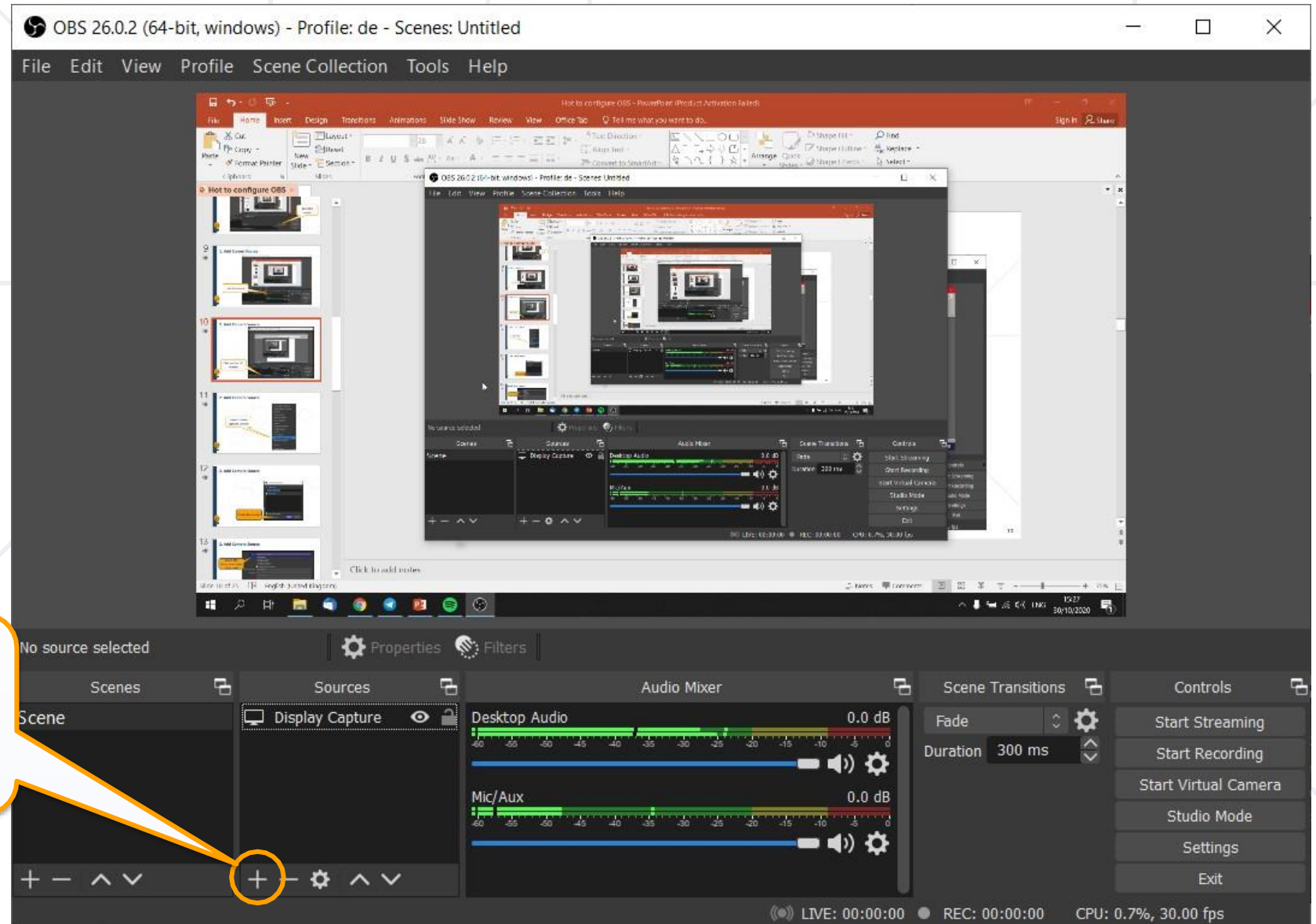
1. Add Screen Source

Lock the scene



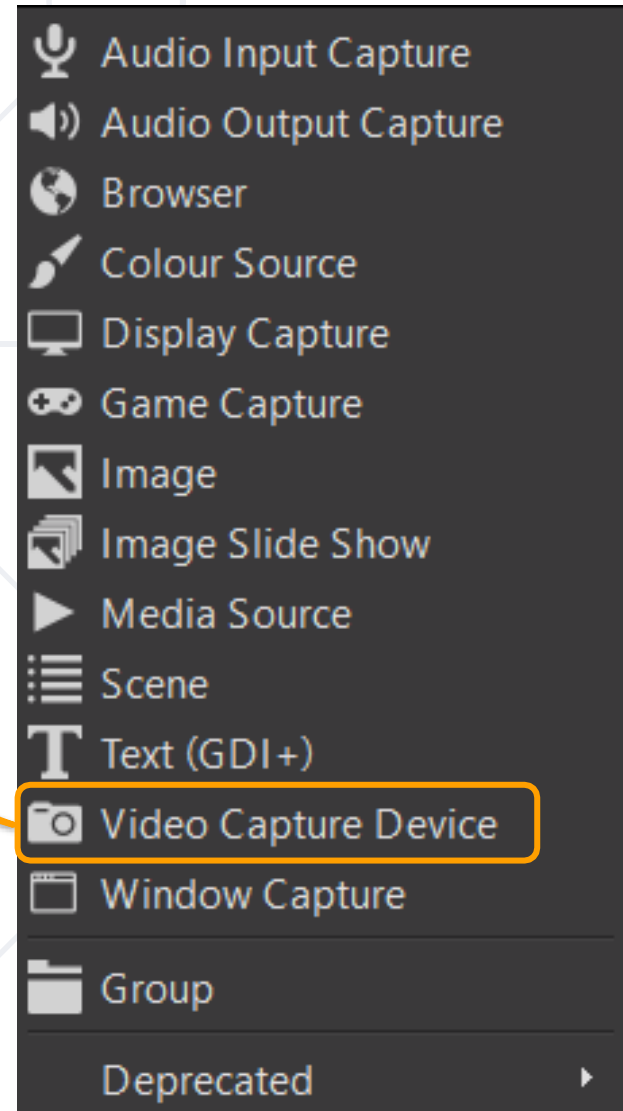
2. Add Camera Source

Click on the "+"
button

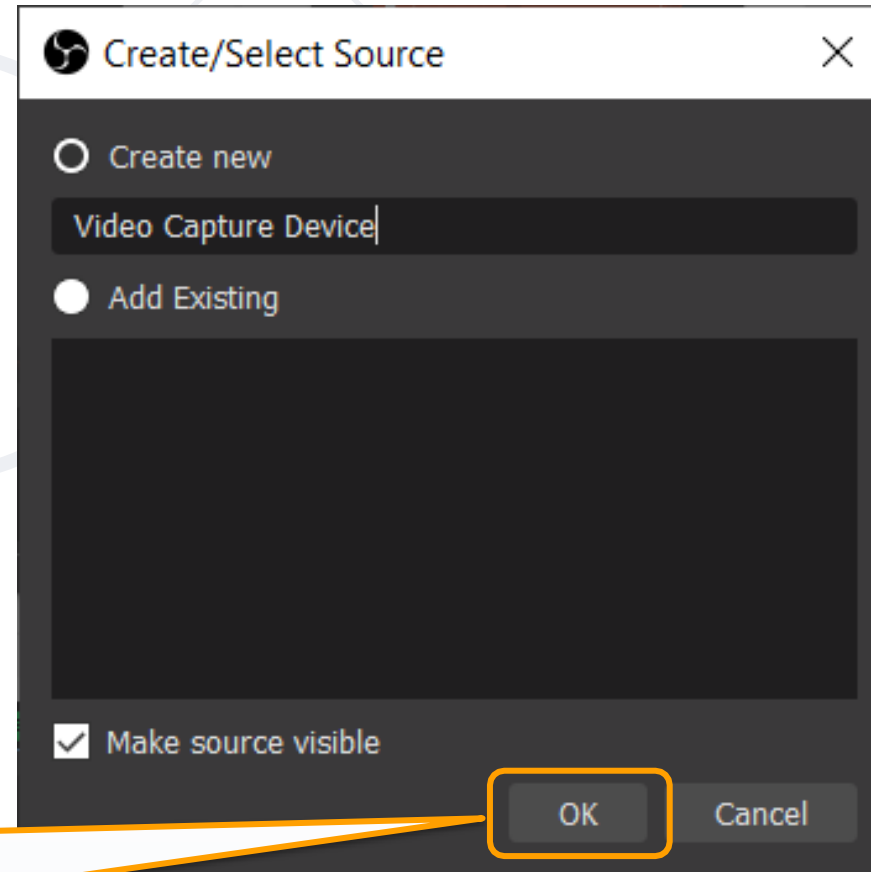


2. Add Camera Source

Select "Video Capture Device"



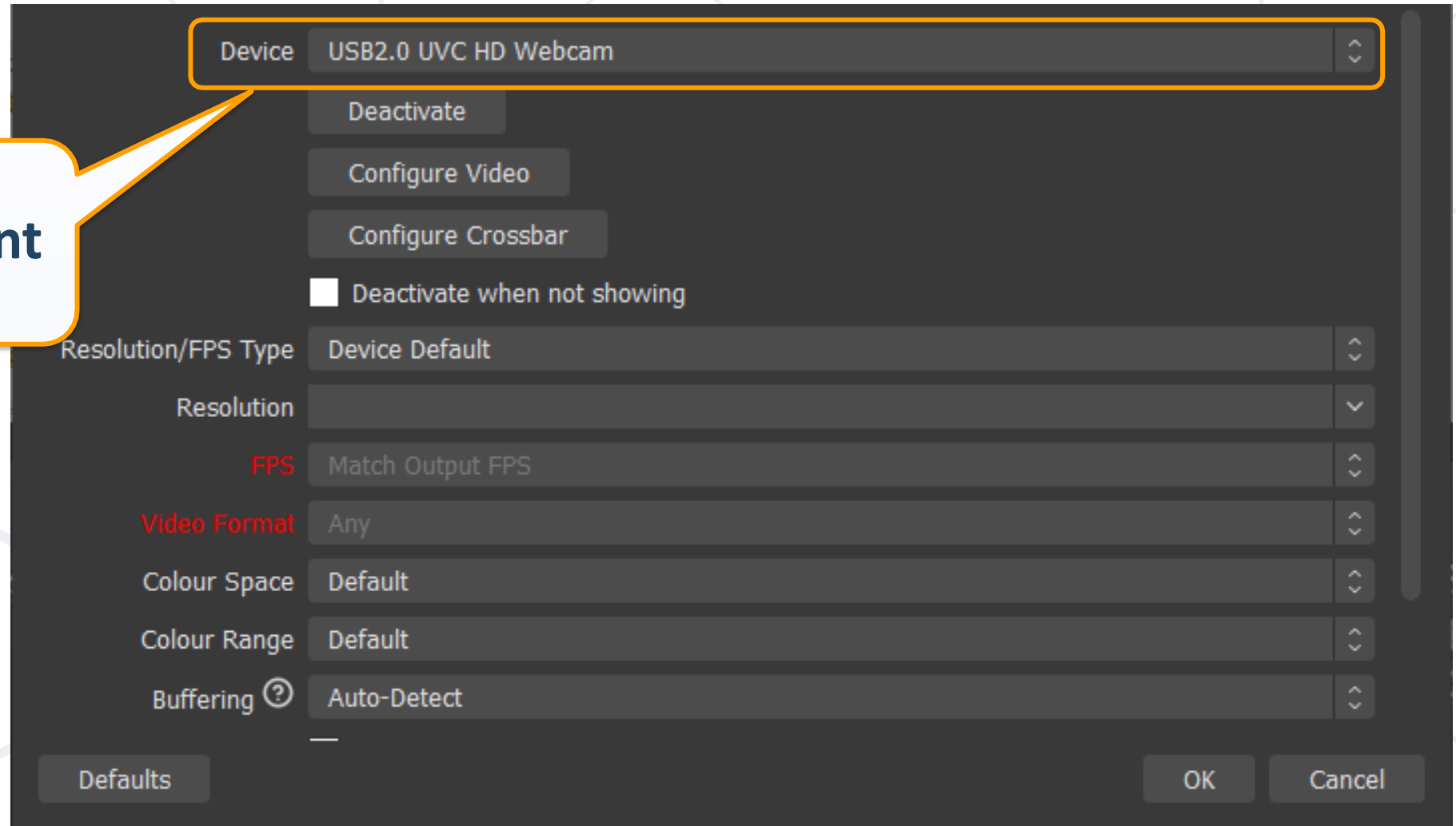
2. Add Camera Source



Create the source

2. Add Camera Source

Select the
camera you want
to be used

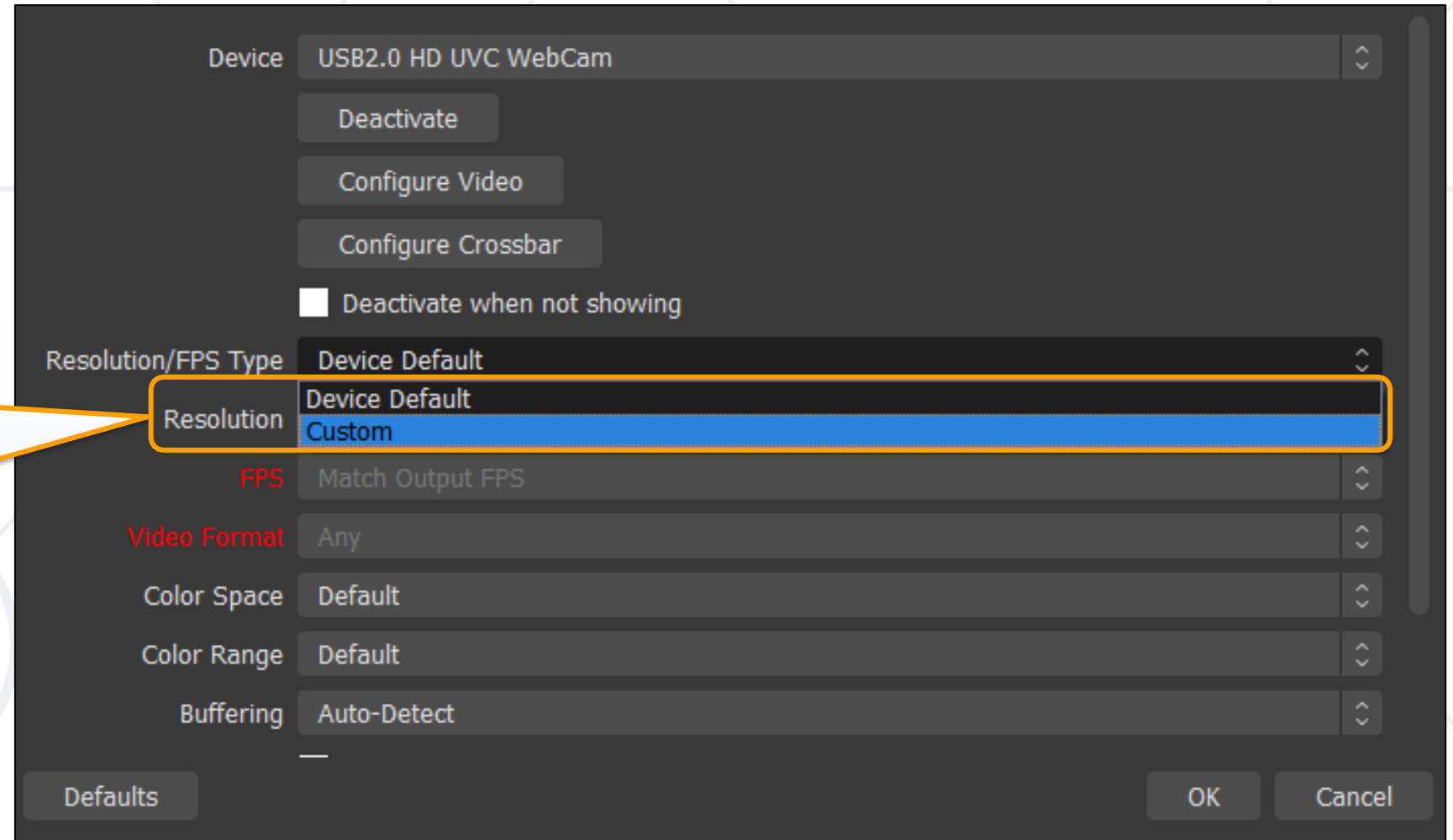


The screenshot shows a camera configuration window with a dark grey background. At the top, a dropdown menu labeled 'Device' is highlighted with an orange border and contains the text 'USB2.0 UVC HD Webcam'. Below this are buttons for 'Deactivate', 'Configure Video', and 'Configure Crossbar'. A checkbox labeled 'Deactivate when not showing' is unchecked. Below these are several configuration options, each with a dropdown menu: 'Resolution/FPS Type' (set to 'Device Default'), 'Resolution' (empty), 'FPS' (set to 'Match Output FPS'), 'Video Format' (set to 'Any'), 'Colour Space' (set to 'Default'), 'Colour Range' (set to 'Default'), and 'Buffering' (set to 'Auto-Detect' with a help icon). At the bottom left is a 'Defaults' button, and at the bottom right are 'OK' and 'Cancel' buttons. A white callout bubble with an orange border points from the 'Device' dropdown to the text 'Select the camera you want to be used'.

Device	USB2.0 UVC HD Webcam
<button>Deactivate</button>	
<button>Configure Video</button>	
<button>Configure Crossbar</button>	
<input type="checkbox"/>	Deactivate when not showing
Resolution/FPS Type	Device Default
Resolution	
FPS	Match Output FPS
Video Format	Any
Colour Space	Default
Colour Range	Default
Buffering ?	Auto-Detect
<button>Defaults</button> <button>OK</button> <button>Cancel</button>	

2. Add Camera Source

Select Custom Resolution

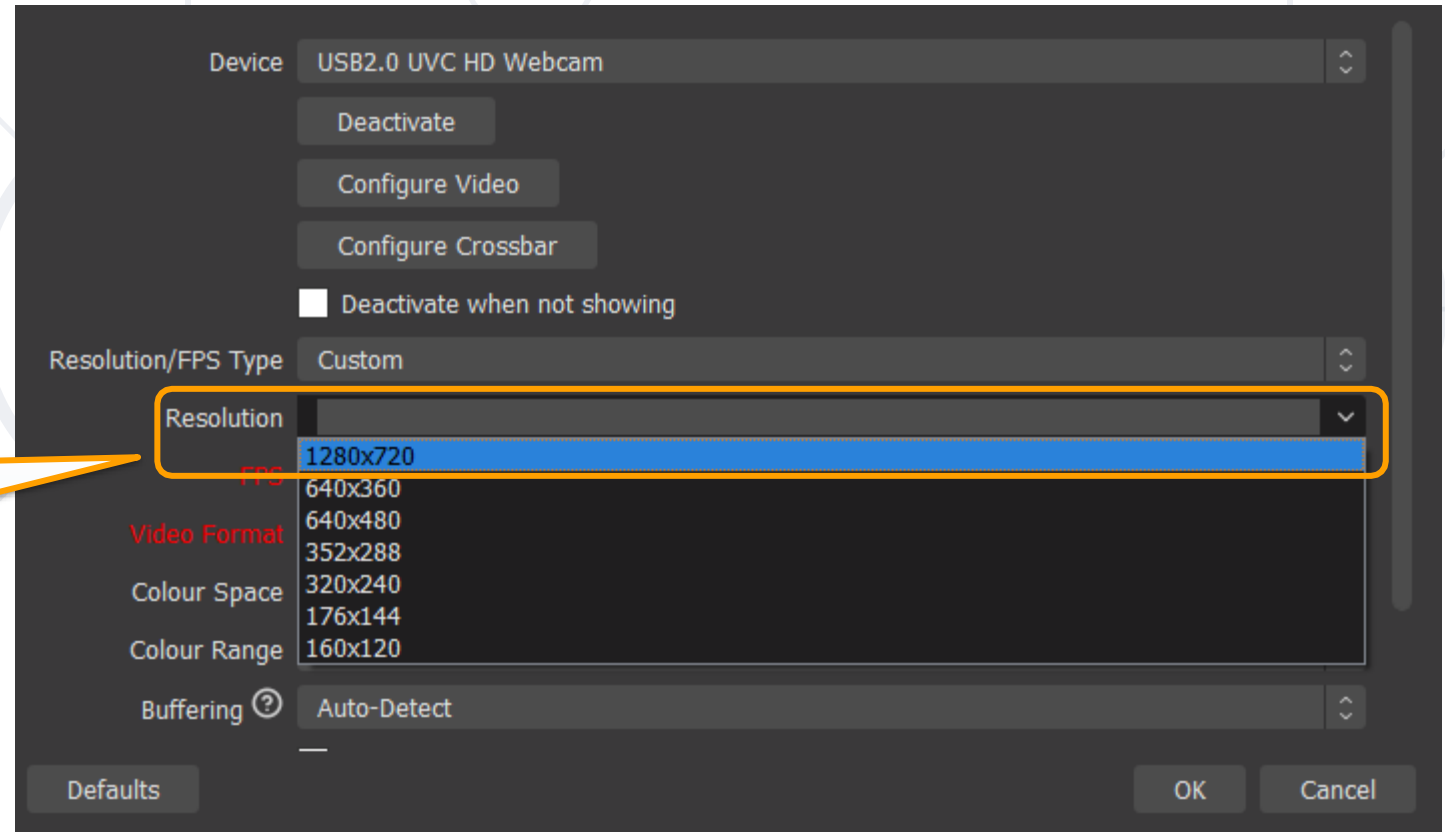


The screenshot shows a camera configuration window with the following settings:

- Device: USB2.0 HD UVC WebCam
- Buttons: Deactivate, Configure Video, Configure Crossbar
- ☐ Deactivate when not showing
- Resolution/FPS Type: Device Default
- Resolution: Device Default (highlighted with a blue bar and an orange callout box)
- FPS: Match Output FPS
- Video Format: Any
- Color Space: Default
- Color Range: Default
- Buffering: Auto-Detect
- Buttons: Defaults, OK, Cancel

2. Add Camera Source

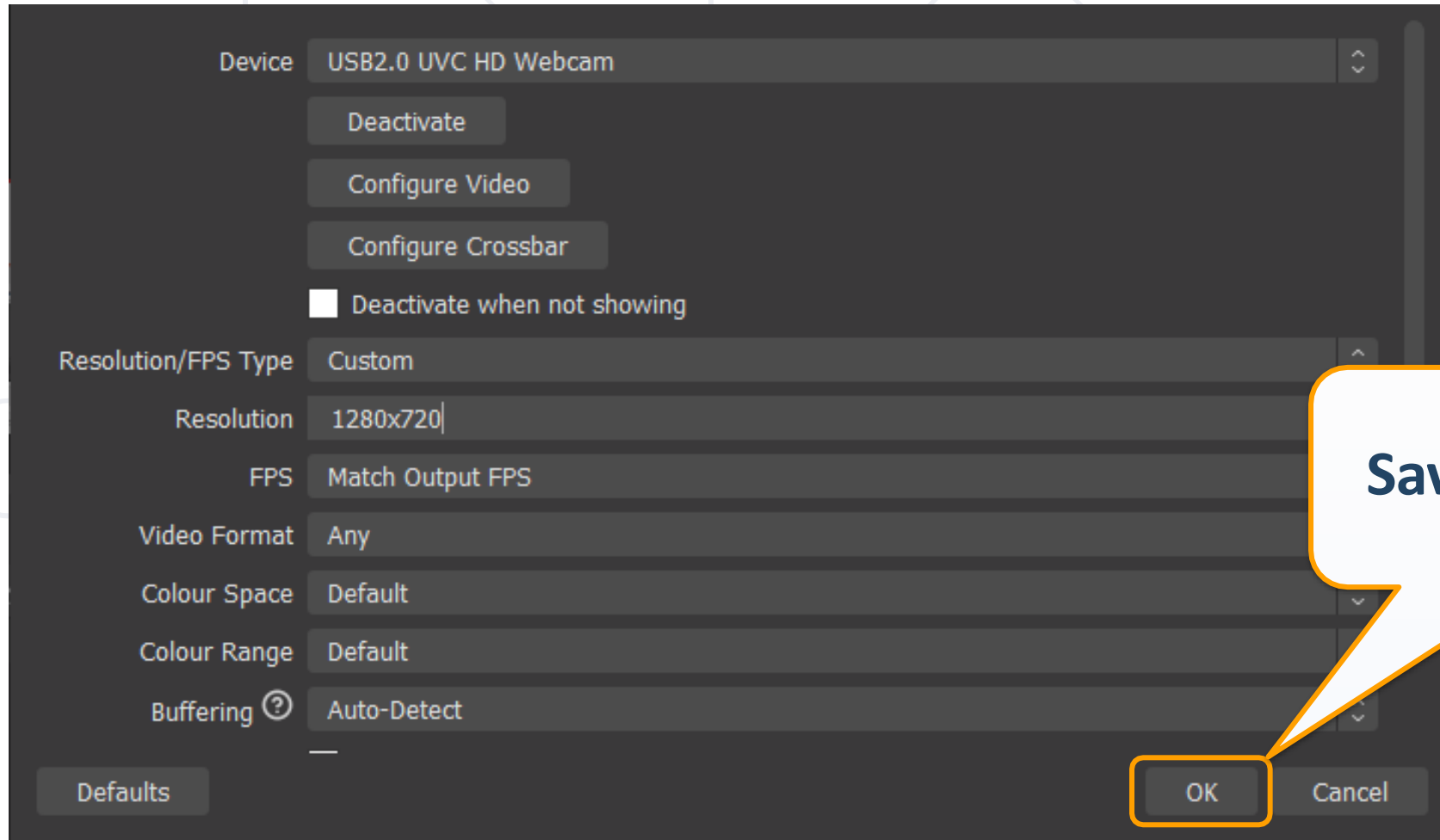
Select the best resolution you have



The screenshot shows a camera configuration window for a 'USB2.0 UVC HD Webcam'. The 'Resolution/FPS Type' is set to 'Custom'. The 'Resolution' dropdown menu is open, showing a list of resolutions: 1280x720 (highlighted in blue), 640x360, 640x480, 352x288, 320x240, 176x144, and 160x120. Other settings include 'Deactivate', 'Configure Video', 'Configure Crossbar', 'Deactivate when not showing' (unchecked), 'Video Format', 'Colour Space', 'Colour Range', 'Buffering' (set to 'Auto-Detect'), and 'Defaults'.

Resolution
1280x720
640x360
640x480
352x288
320x240
176x144
160x120

2. Add Camera Source



Device: USB2.0 UVC HD Webcam

Deactivate

Configure Video

Configure Crossbar

☐ Deactivate when not showing

Resolution/FPS Type: Custom

Resolution: 1280x720

FPS: Match Output FPS

Video Format: Any

Colour Space: Default

Colour Range: Default

Buffering [?]: Auto-Detect

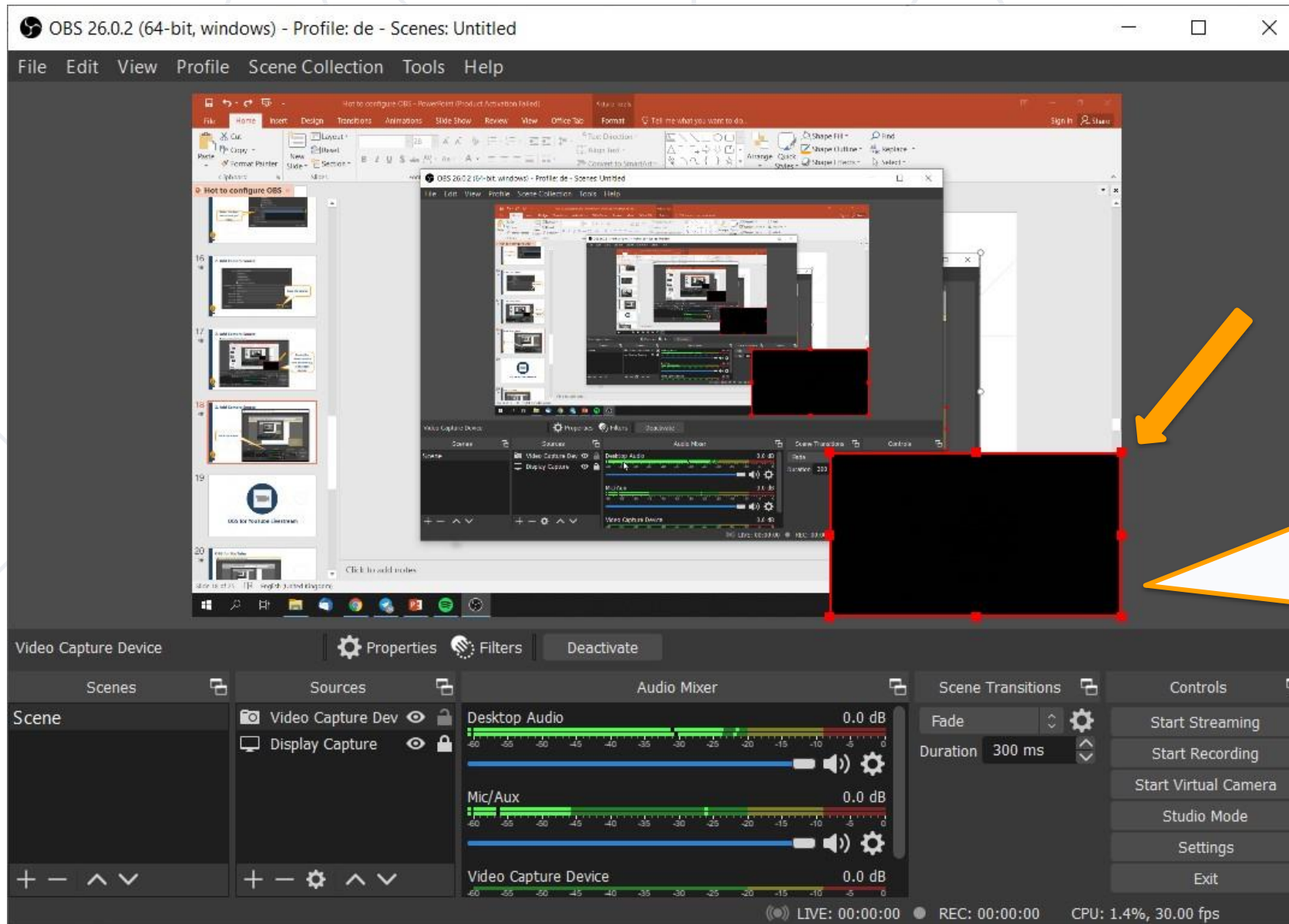
Defaults

OK Cancel

Save the source



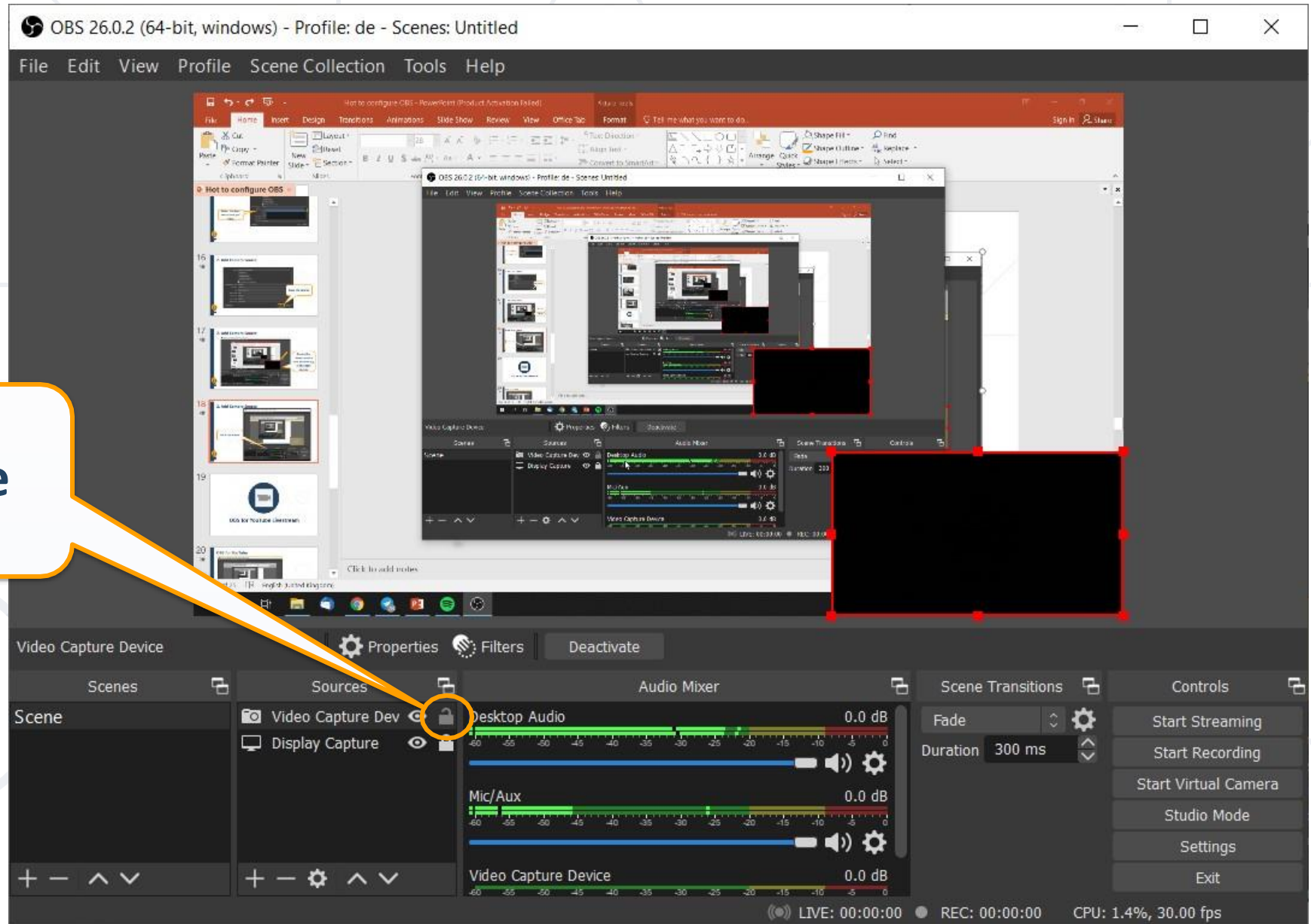
2. Add Camera Source



**Resize the
camera source
and position it
in the right
corner**

2. Add Camera Source

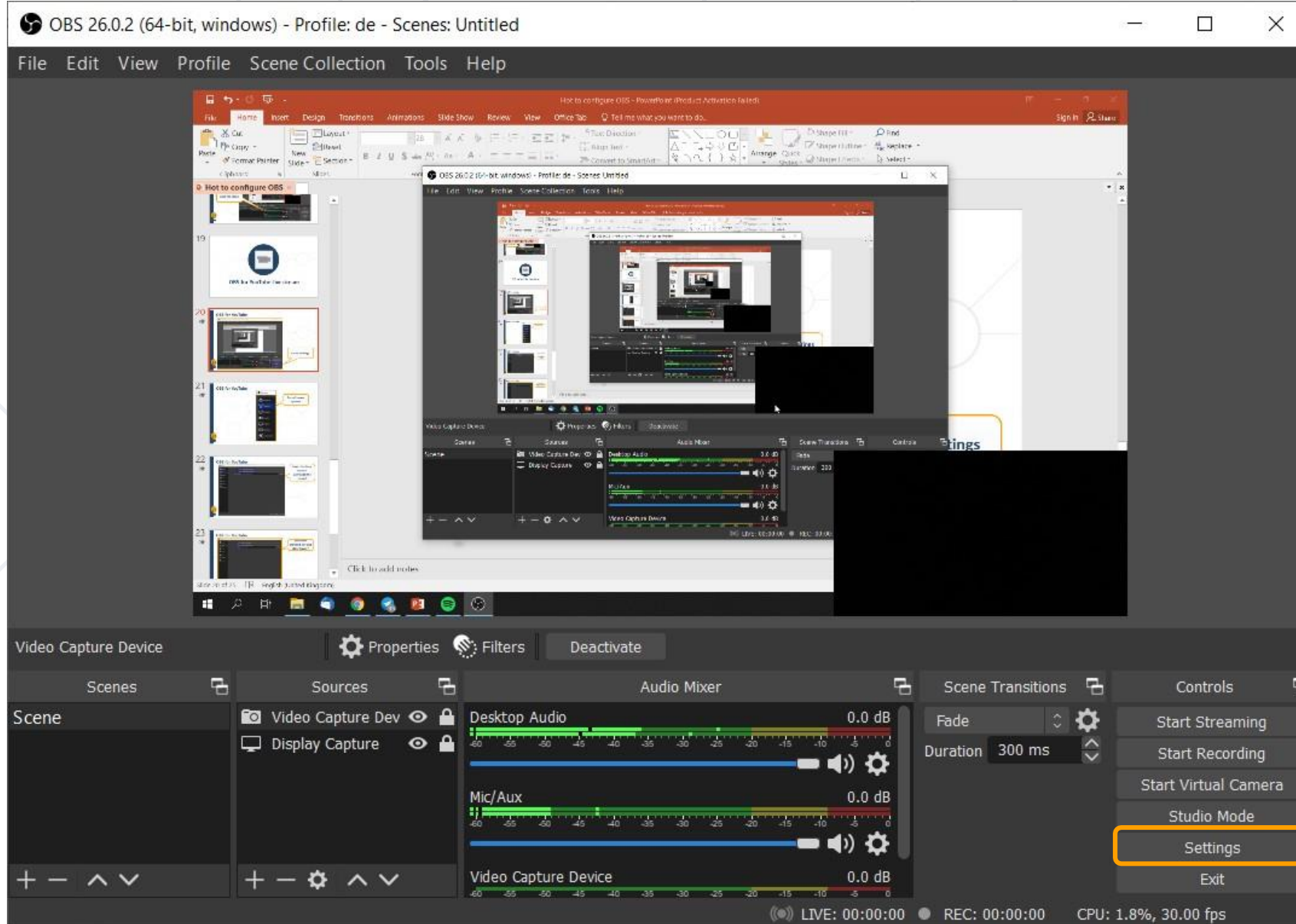
Lock the scene





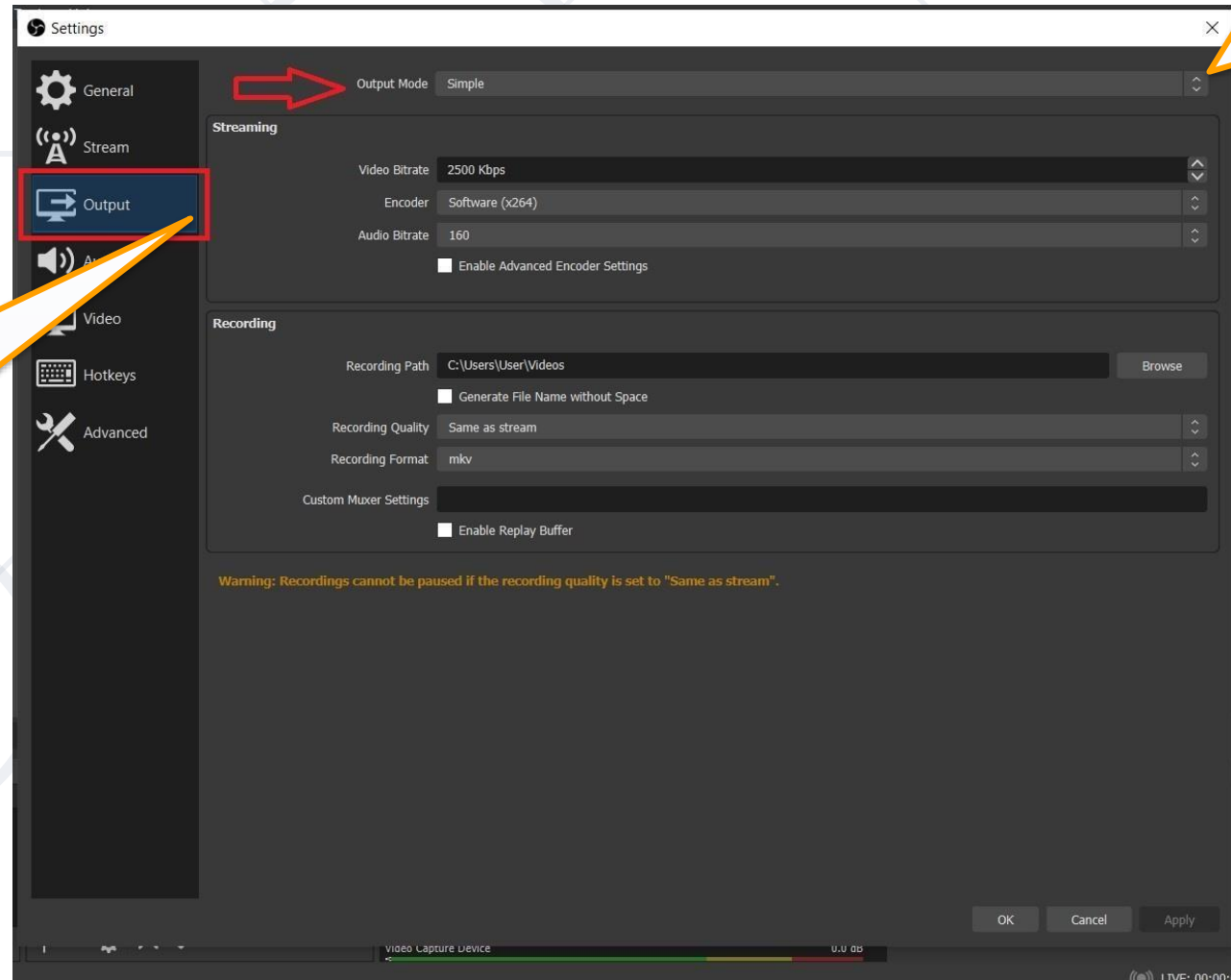
OBS for YouTube Livestream

OBS for YouTube




Go to
Settings

1. Select Output Menu

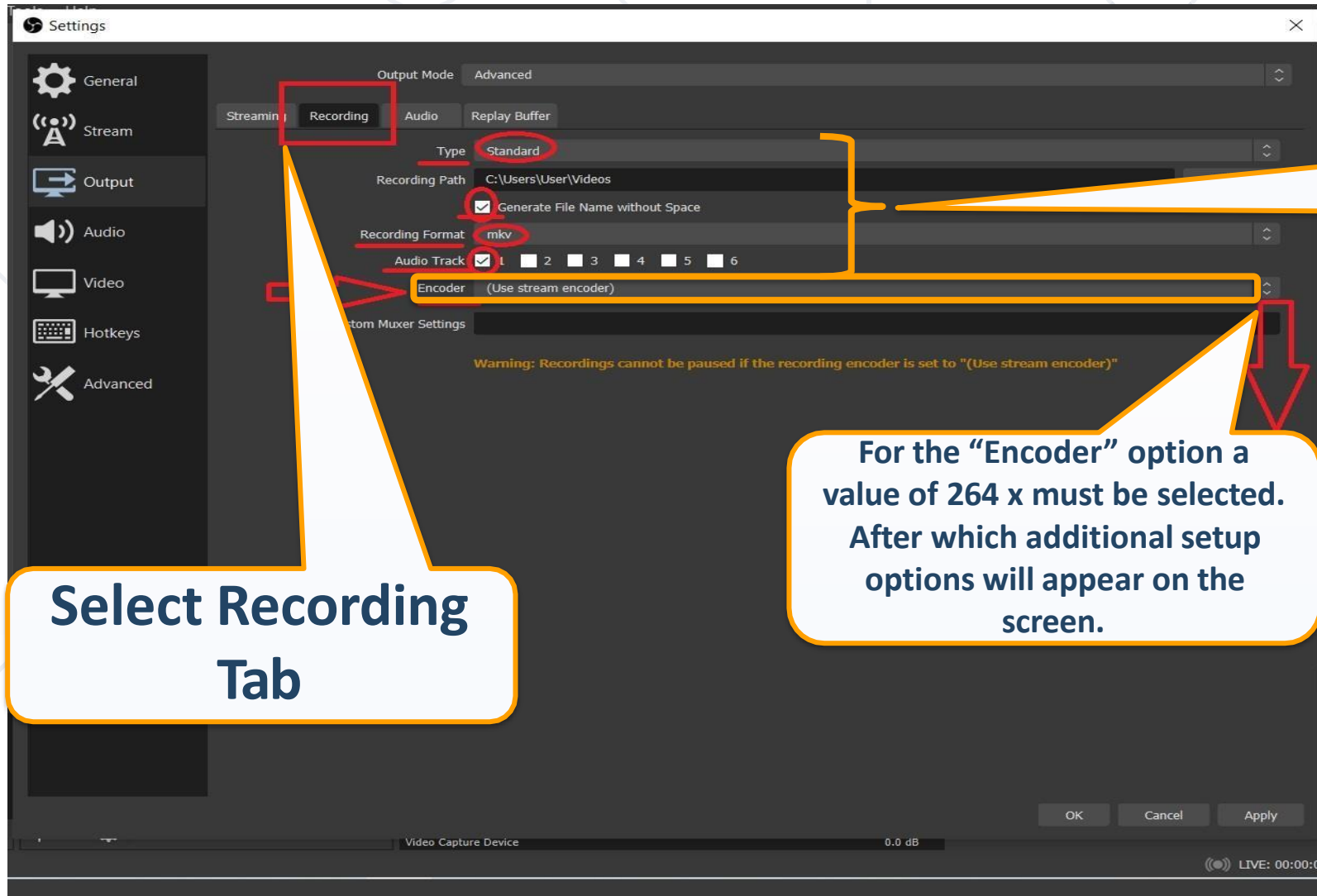


2. Change Output Mode from Simple to Advanced





**Compare and
adjust settings as
shown**

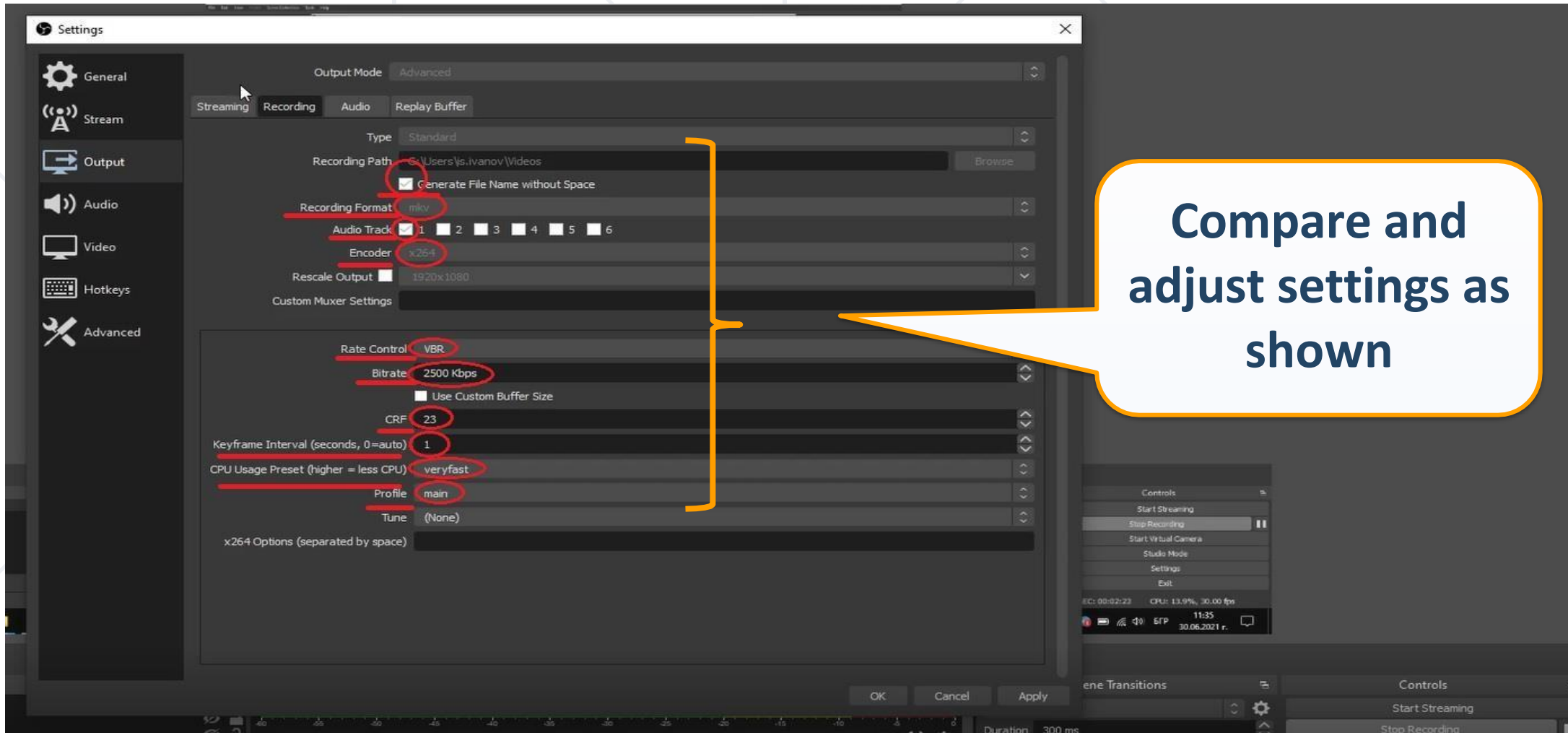


**Select Recording
Tab**

**Compare and
adjust settings as
shown**

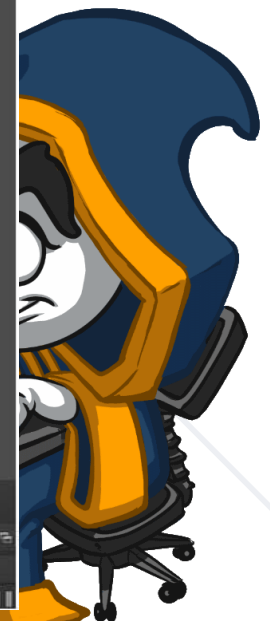
**For the "Encoder" option a
value of 264 x must be selected.
After which additional setup
options will appear on the
screen.**





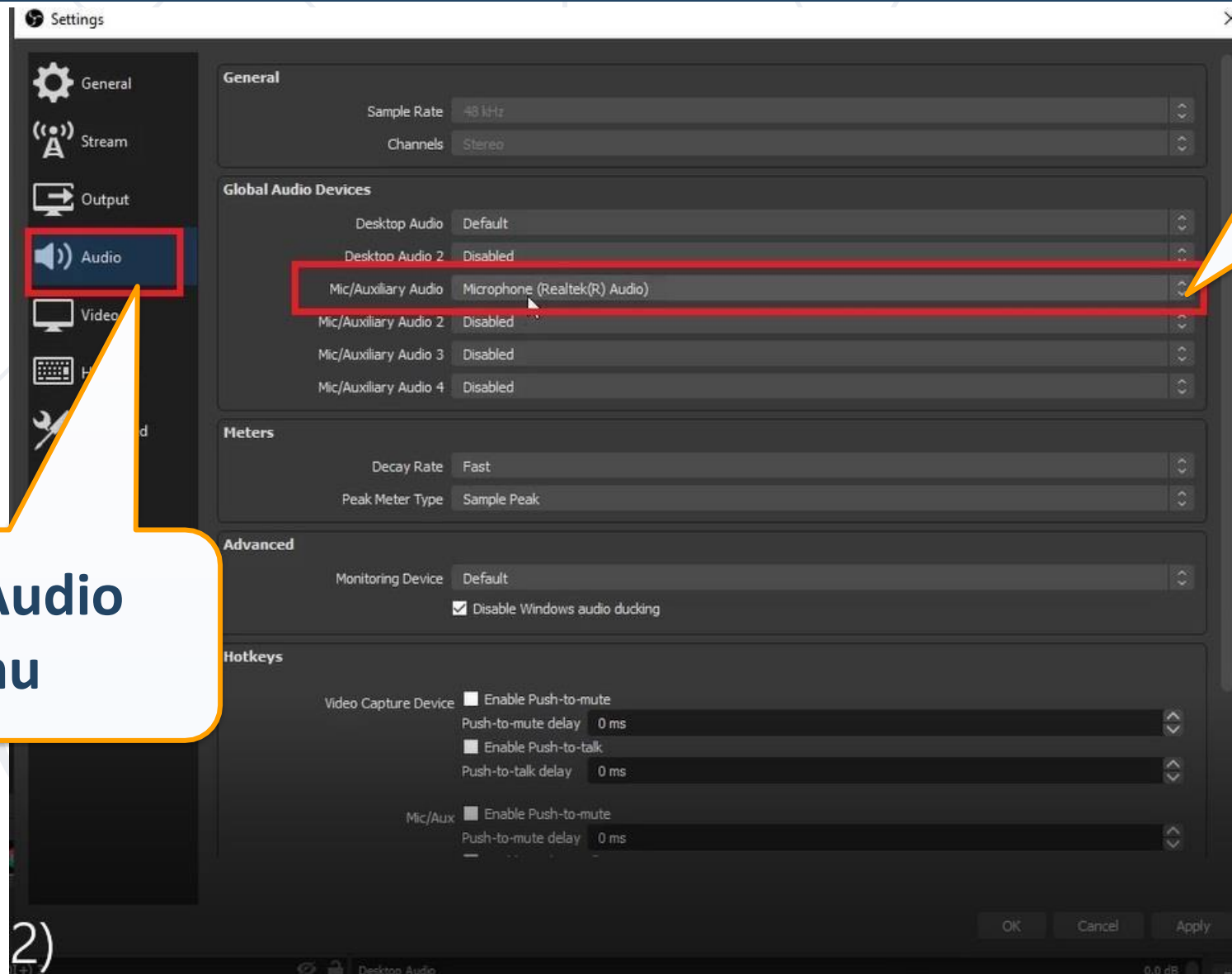
The screenshot shows the OBS Studio Settings window, specifically the Recording tab. The left sidebar contains navigation options: General, Stream, Output, Audio, Video, Hotkeys, and Advanced. The main panel is divided into sections: Output Mode (Advanced), Type (Standard), Recording Path (G:\Users\Is.Ivanov\Videos), Recording Format (mkv), Audio Track (1), Encoder (x264), Rescale Output (1920x1080), Custom Muxer Settings, Rate Control (VBR), Bitrate (2500 Kbps), CRF (23), Keyframe Interval (seconds, 0=auto) (1), CPU Usage Preset (higher = less CPU) (veryfast), Profile (main), Tune (None), and x264 Options (separated by space). A yellow callout box with the text "Compare and adjust settings as shown" points to the video encoding settings section, which includes Rate Control, Bitrate, CRF, Keyframe Interval, CPU Usage Preset, Profile, and Tune.

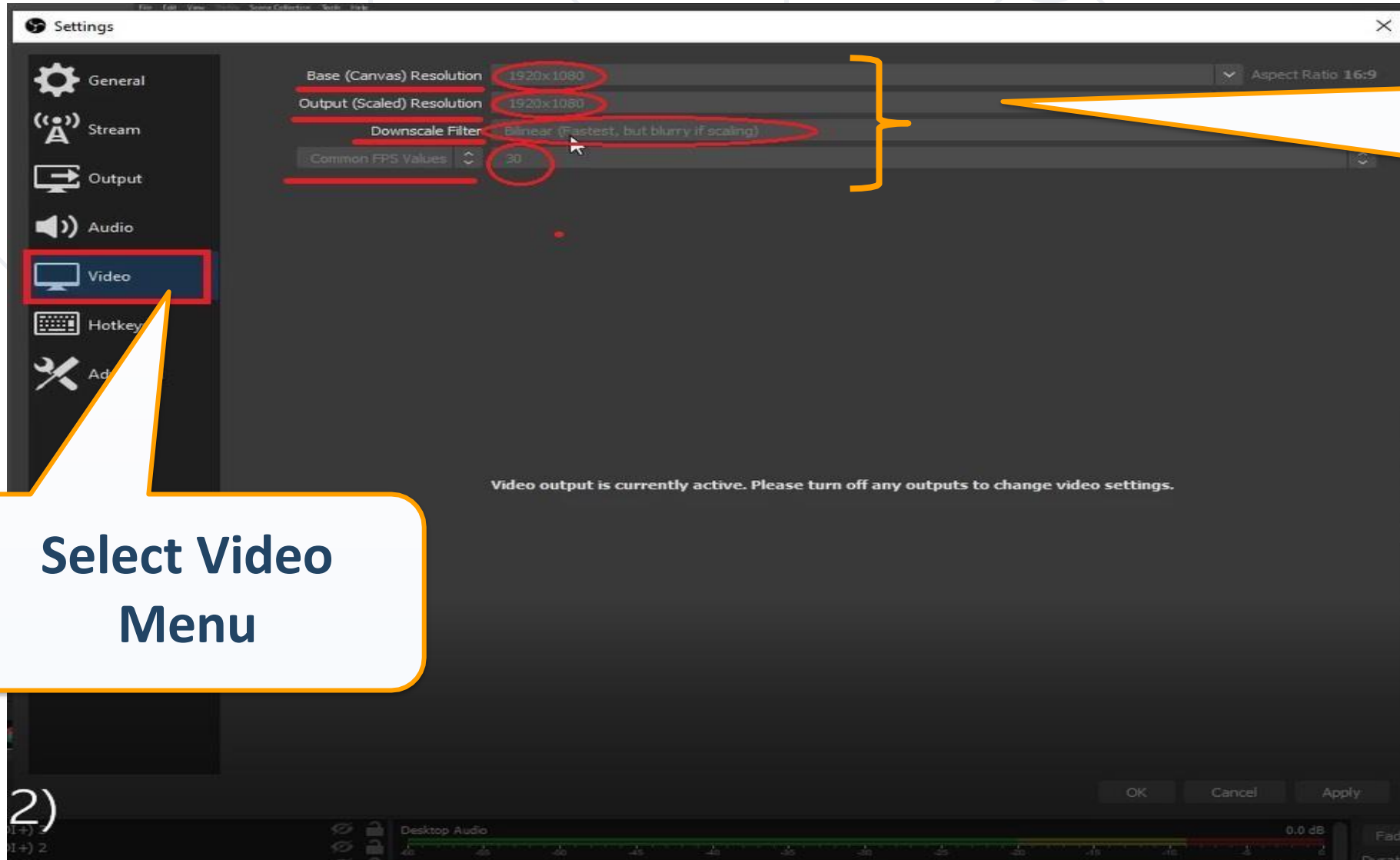
Compare and adjust settings as shown



Add here the
microphone,
which you want
to use.

Select Audio
Menu



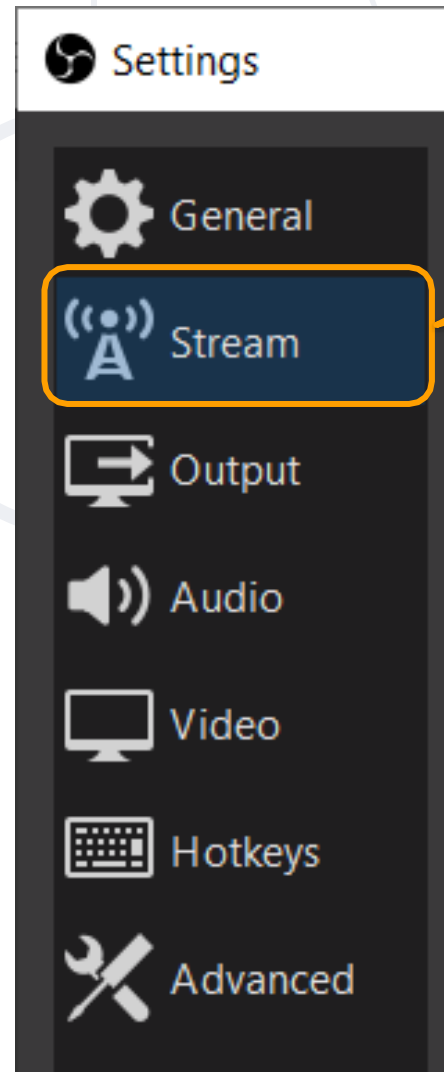


Compare and
adjust settings as
shown

Select Video
Menu



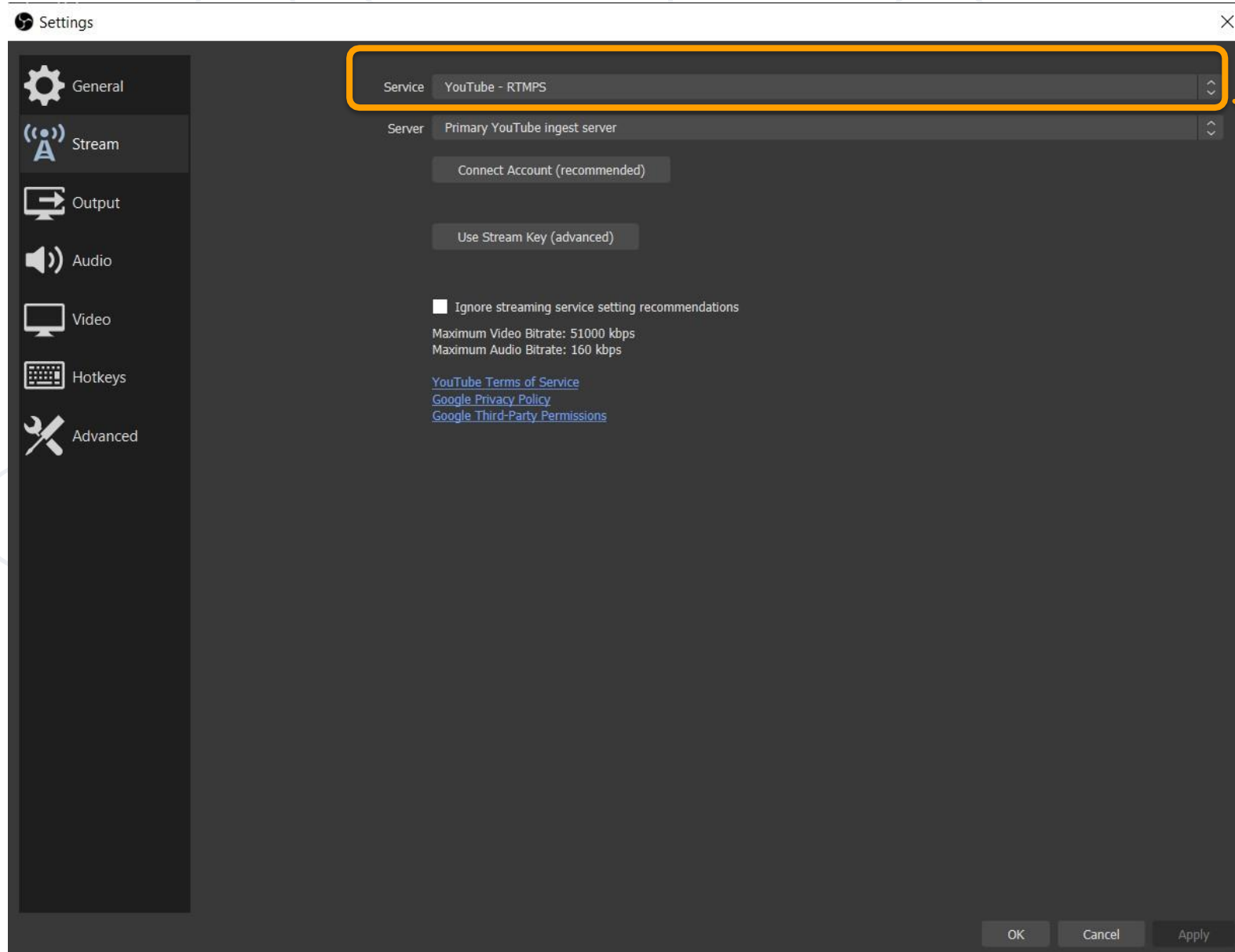
OBS for YouTube



**Go to Stream
options**

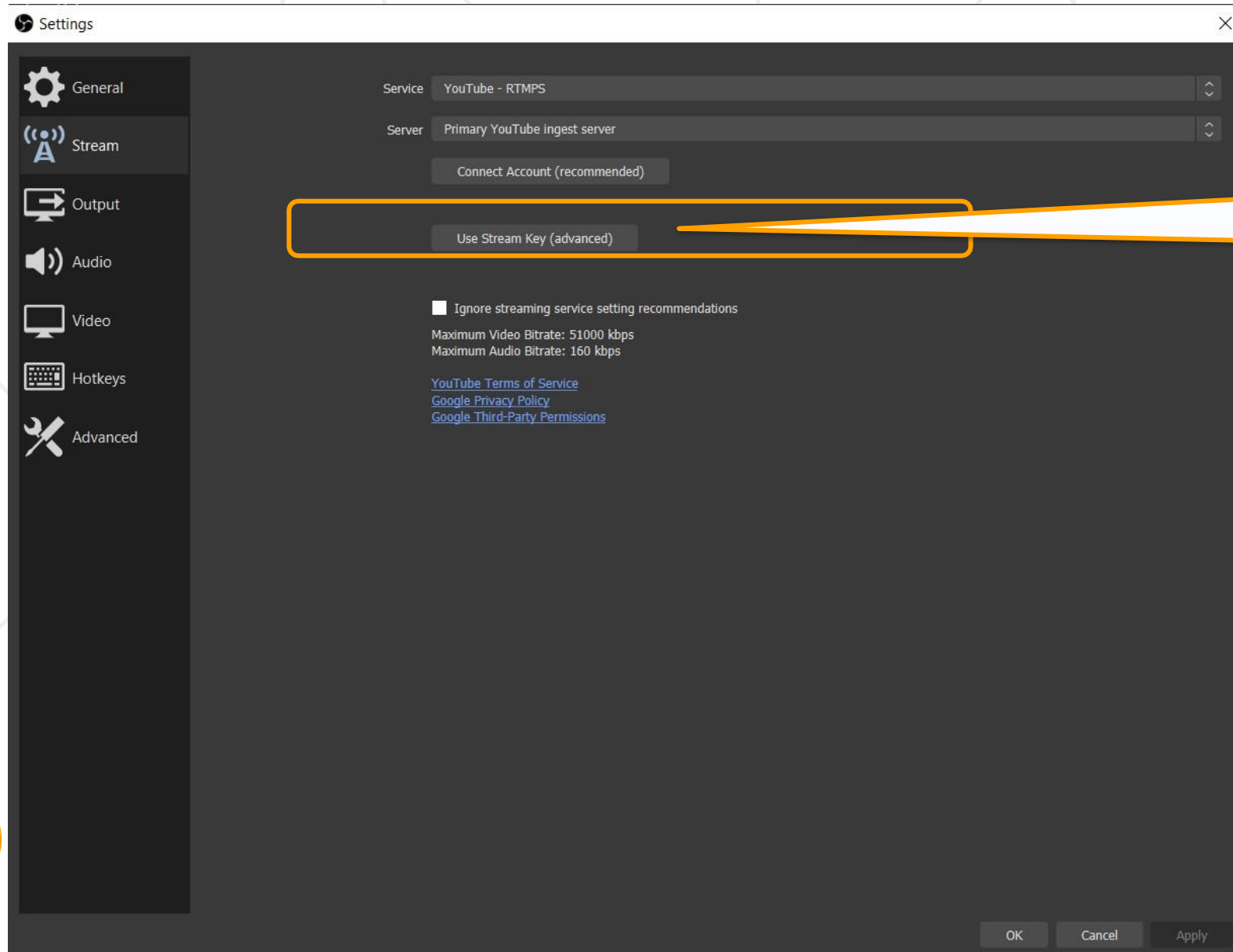


OBS for YouTube



**Select YouTube
service.
Don't edit the
server!**

OBS for YouTube



Click on the “Use Stream Key” button

- General
- Stream**
- Output
- Audio
- Video
- Hotkeys
- Advanced

Service YouTube - RTMPS

Server Primary YouTube ingest server

fjfhfg-fjfhfg-fkrybf-kjfhfh

Hide Get Stream Key

Connect Account (recommended)

Use Stream Key (advanced)

☐ Ignore streaming service setting recommendations

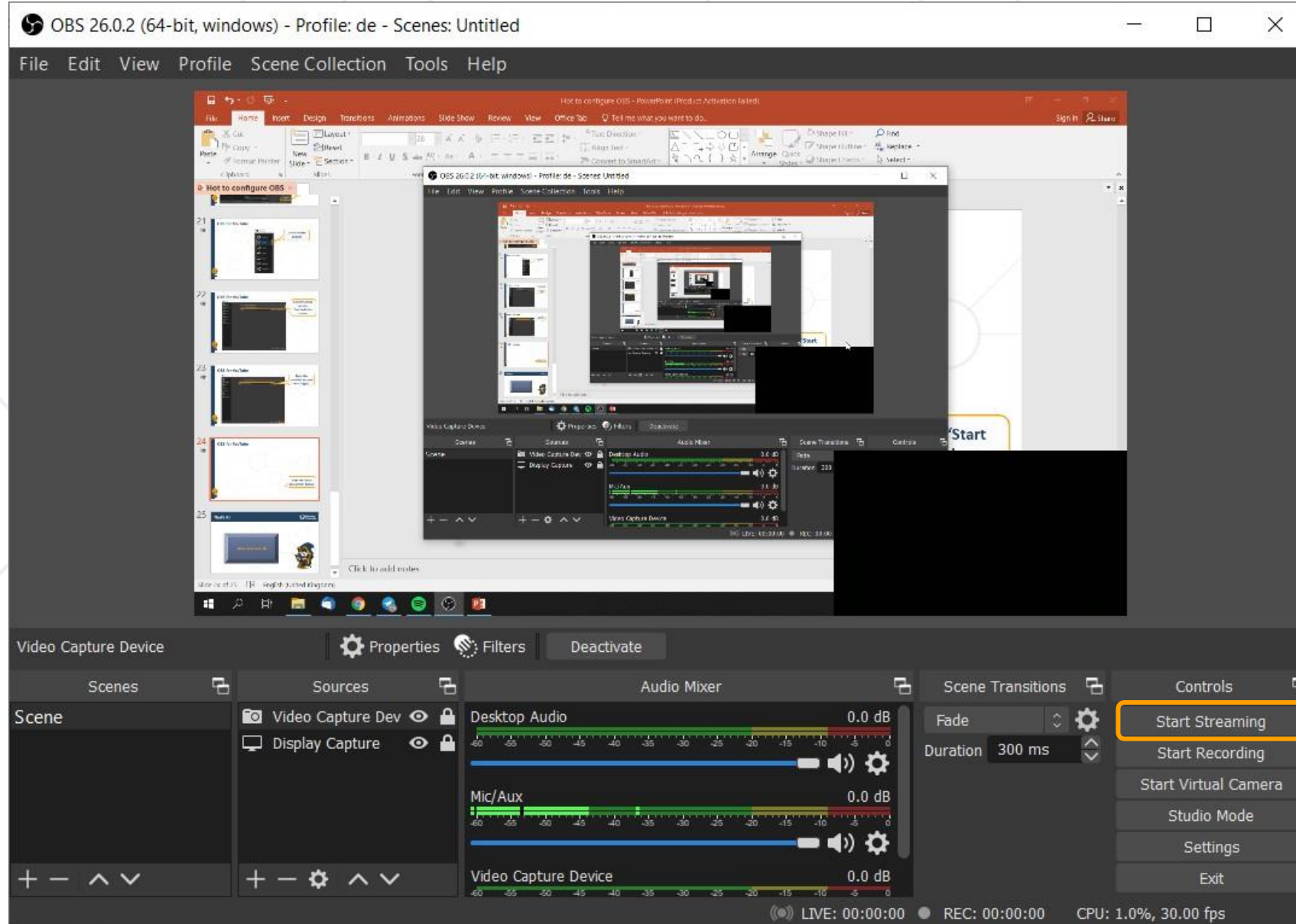
Maximum Video Bitrate: 51000 kbps
Maximum Audio Bitrate: 160 kbps

[YouTube Terms of Service](#)
[Google Privacy Policy](#)
[Google Third-Party Permissions](#)

OK Cancel Apply

**Enter the
provided key and
click “Apply”**

OBS for YouTube



Click the “Start Streaming” button

That's it!

