



**AC7610**

**Dual HDMI input USB-C Video Switcher**

**en**

Manual

## AC7610 | Dual HDMI input USB-C Video Switcher

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## 1.0 Introduction

The AC7610 is a dual input HDMI switcher which support 4k60Hz on it's HDMI inputs can capture and output 1080p60Hz. It's compatible with Windows7/8/8.1/10/11, Mac OS. The USB 3.0/Type-C interface connects to the computer and enables your live stream or video conferencing software to add the AC7610 as a camera or video input source. There is no need to install additional drivers.

### 1.1 Packing contents

The following parts need to be present in the packing:

- AC7610 - Dual HDMI input USB-C Video Switcher
- USB-C to USB-A with USB-C adapter
- HDMI Cable

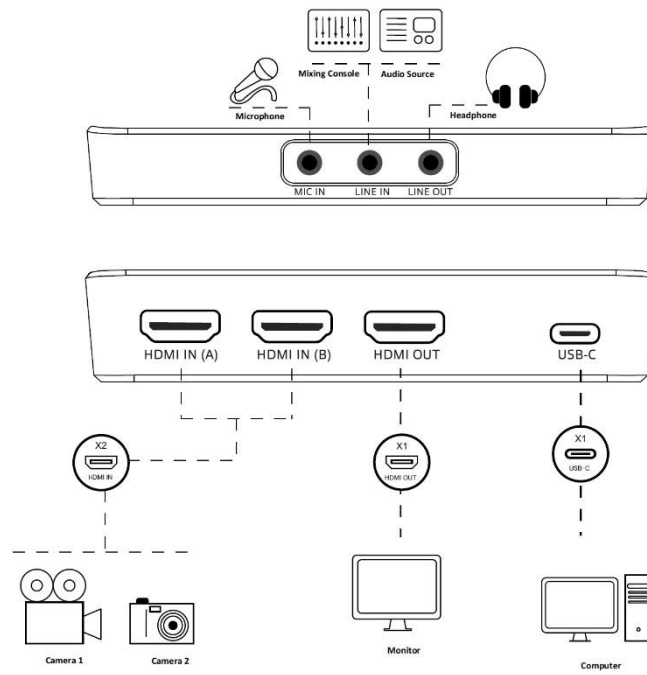
### 1.2 Features

- 4K60Hz input support and HDMI out capture and recording at 1080p60Hz.
- Recording video formats: RGB/24 bit, YUY2/16Bit.
- UAC and UVC protocol is supported with 48Khz audio sampling rate.
- No driver installation is required.
- Microphone and line audio input.
- Line out for monitoring (can also be used to connect headphones).
- 40ms low latency.

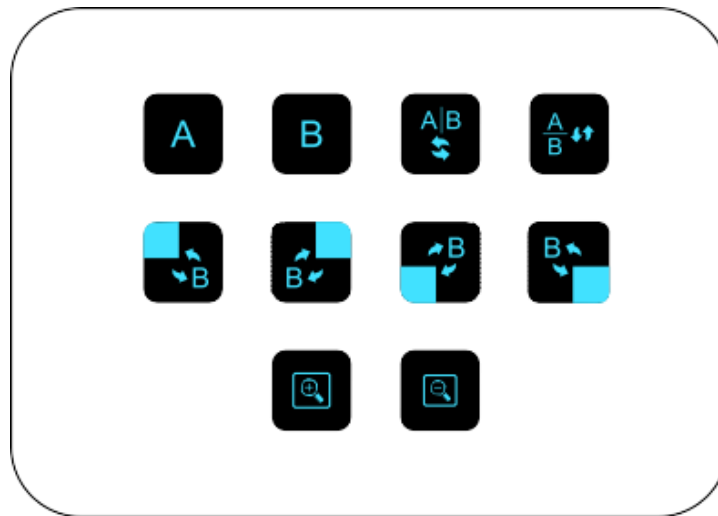
## 2.0 Specifications

USB-C	USB 3.0, 5Gb/s transfer bandwidth, USB 2.0 compatible	
Input	2x HDMI, 1x Line in , 1x Microphone	
Output	1x HDMI , 1x USB-C, 1x Line out	
STANDARD		
Capture	Compliant with UVC(USB Video Class) and UAC (USB Audio Class) standards.	
Input Format	HDMI2.0	
Capture Video Format	RGB, YUY2	
Input Resolution	720P, 1080P, 4K@30Hz, 4K@60Hz	
	640x480, 800x600, 1024x768, 1600x1200, 1280x1024, 1680x1050, 1920x1200, 1600x900, 1440x900, 1366x768, 1360x768, 1280x960, 1152x864, 1280x800, 1920x1080, 3840x2160	
Loop out	1080P	
USB3.0 Capture Video Format	YUY2 16bit	Support 1080P/60Hz resolution capture, backward compatible.
	RGB 24bit	Uncompressed, high color, up to support 1080P/60Hz resolution capture, backward compatible.
SYSTEM SUPPORT		
Operating System	Windows7/8/8.1/10/11, Mac OS	
Compatible Software	Windows Media Encoder, Microsoft Teams	
	OBS Studio, QuickTime Player, VLC, OBS, vMix, Resolume ...	
Compatible Development Interface	DirectShow (Windows) and other standard UVC interface	
OPERATING ENVIRONMENT		
Power Consumption	3.5W	
Operating Temperature	0-70°C	
Storage Temperature	-20-70°C	
Storage Humidity	5%-90%	

## 3.0 Connections



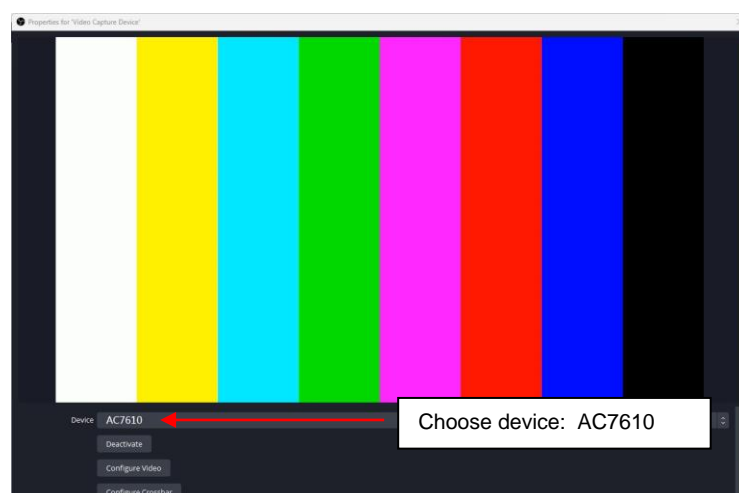
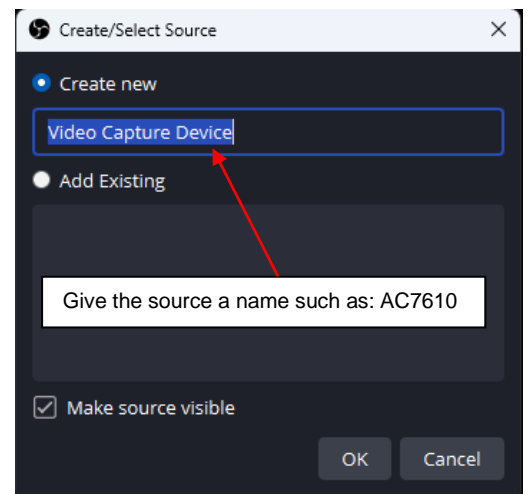
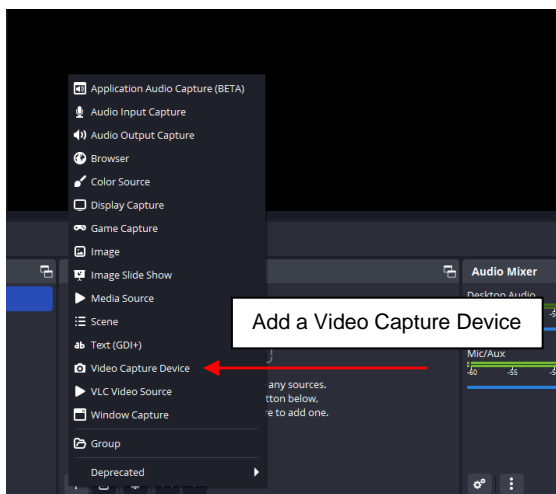
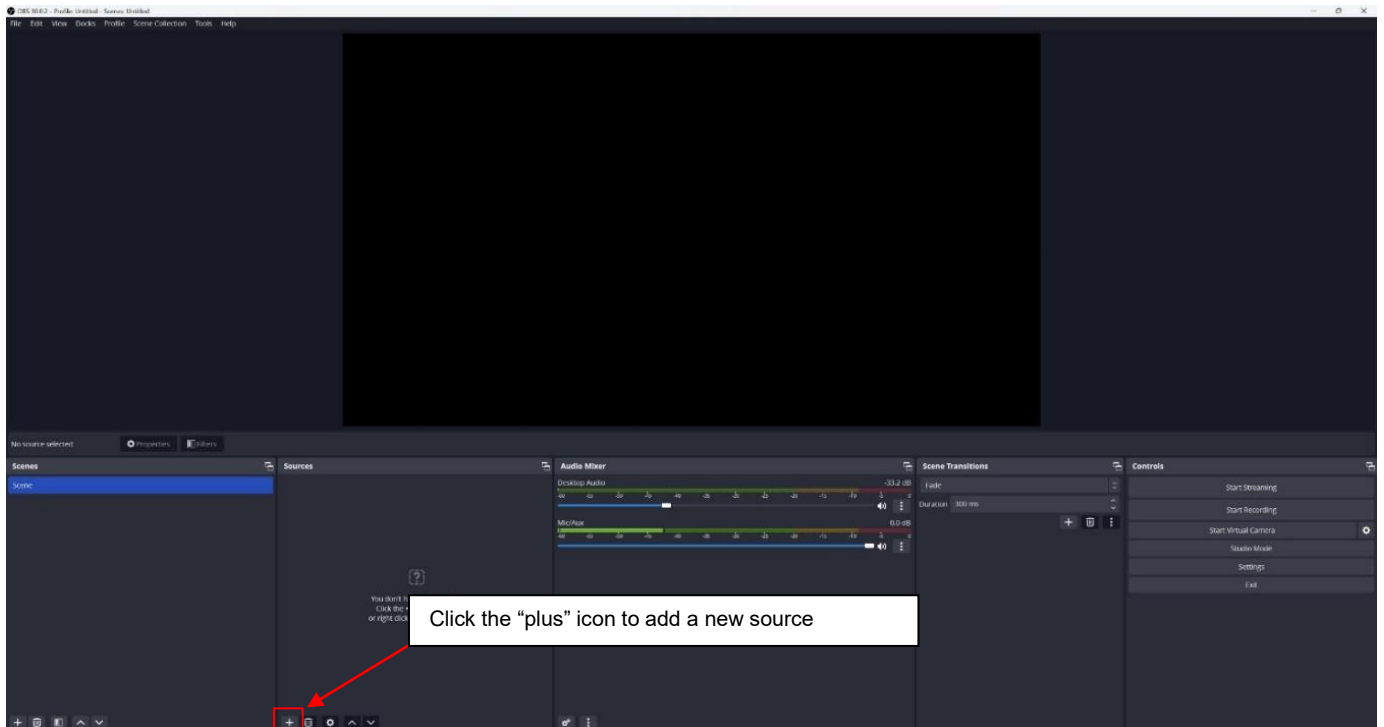
## 4.0 Button Description



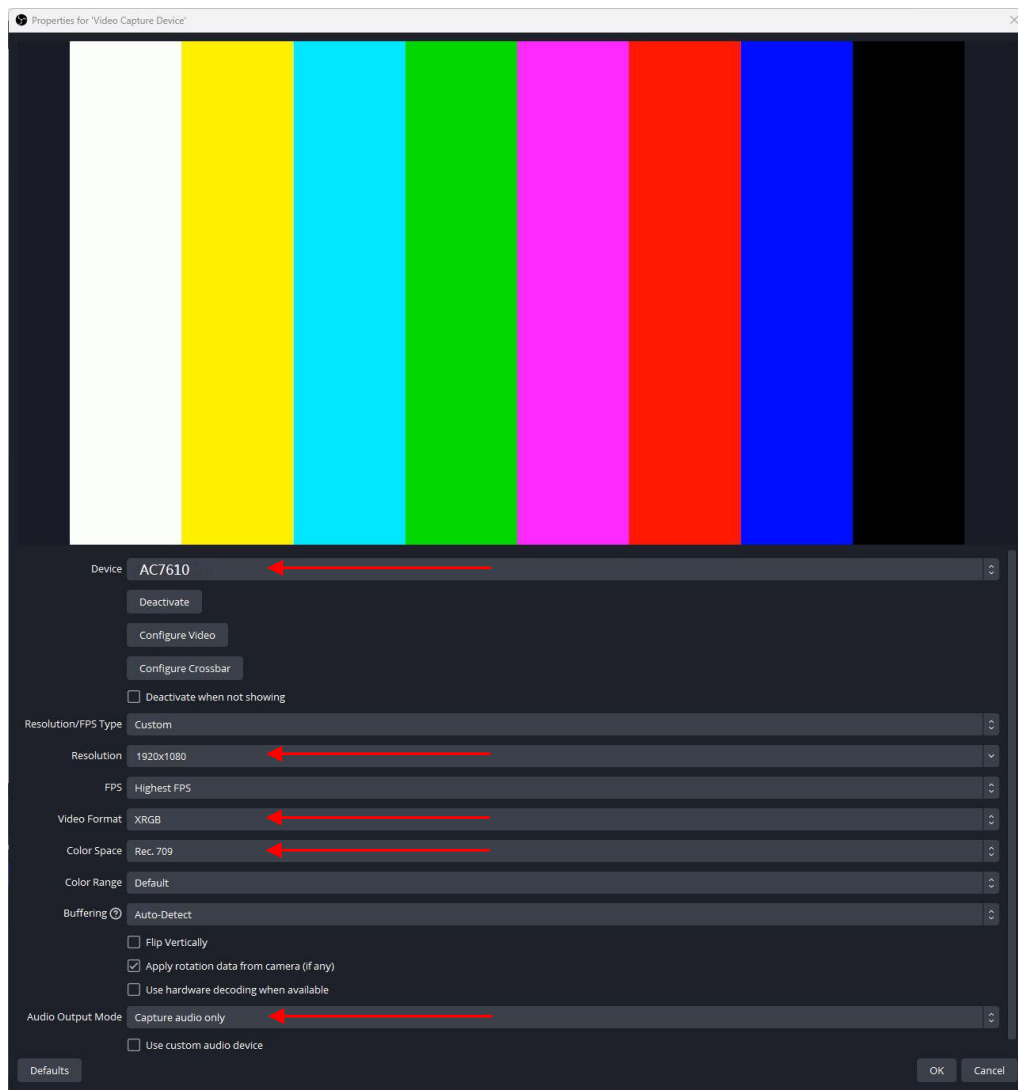
- (1) When or key is pressed the AC7610 will switch the loop-out and capture output to input HDMI in (A) or HDMI in (B)
- (2) When is pressed both HDMI in (A) and HDMI in (B) will be displayed side by side on the loop-out and capture output. When pressed again HDMI in (A) and HDMI in (B) will switch position.
- (3) When the is pressed HDMI in (A) and HDMI in (B) will be displayed together divided in equal upper and lower proportion on the loop-out and capture output. When pressed again HDMI in (A) and HDMI in (B) will switch position.
- (4) These four buttons define the position for the picture-in-picture frame. Pressing one of the buttons twice will swap HDMI in (A) and HDMI in (B).
- (5) The magnifier buttons control the zoom in and out when you are in left-right split screen, up-down split screen or picture-in-picture mode.

## 5.0 Add AC7610 to OBS (Windows)

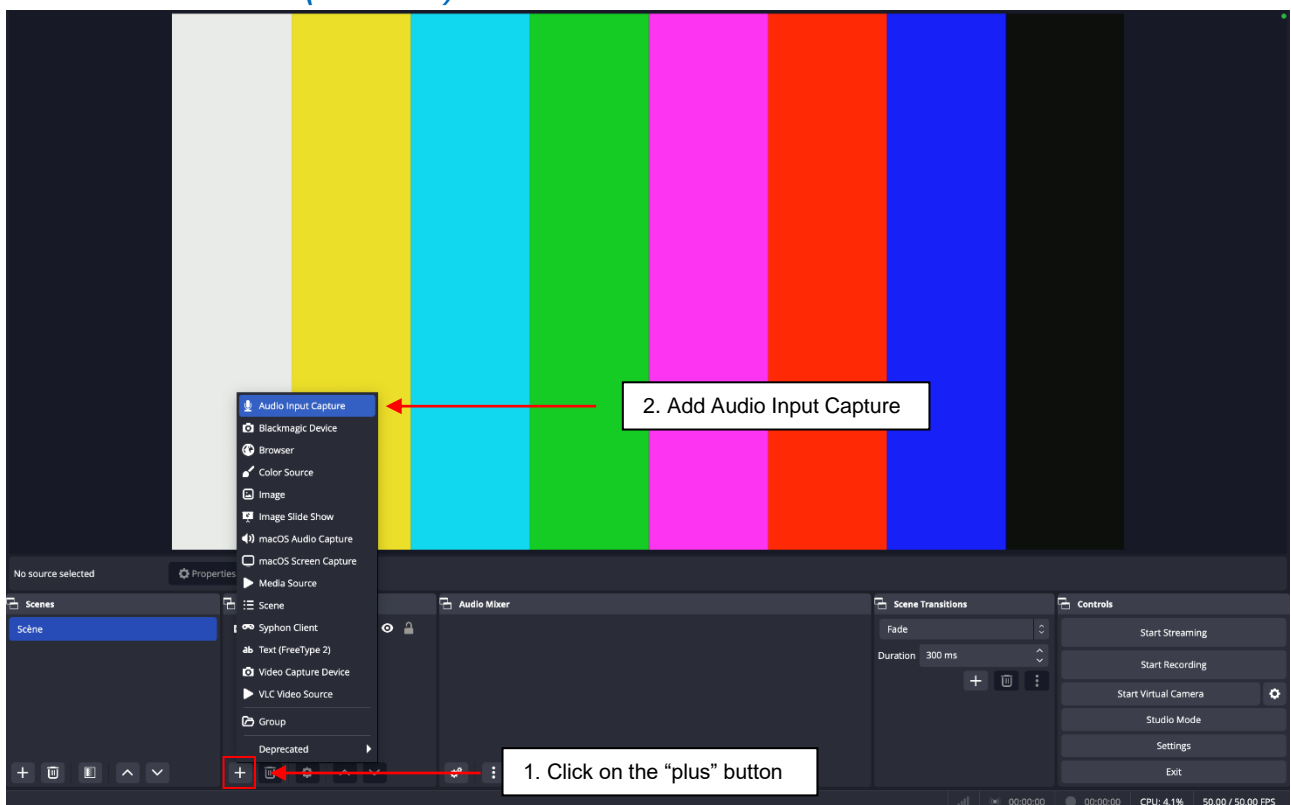
OBS Studio (also Open Broadcaster Software) is a free and open-source cross-platform livestream software. All information and free download of OBS can be found on their website: [www.obsproject.com](http://www.obsproject.com). ACT does not provide support for OBS, please refer to the OBS website if you have questions. In the simple steps below we show how to add the AC7610 to OBS studio. When making this manual we used OBS Studio version 30.0.2.



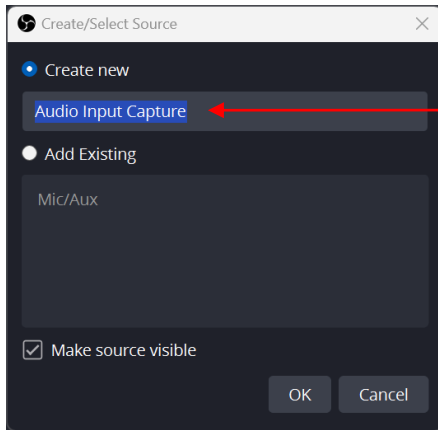
Set the right resolution. In our example we used 1920x1080. Make sure to select the right settings for **Video Format**, **Color Space** and **Audio Output Mode** click **OK** to add the AC7610 to OBS.



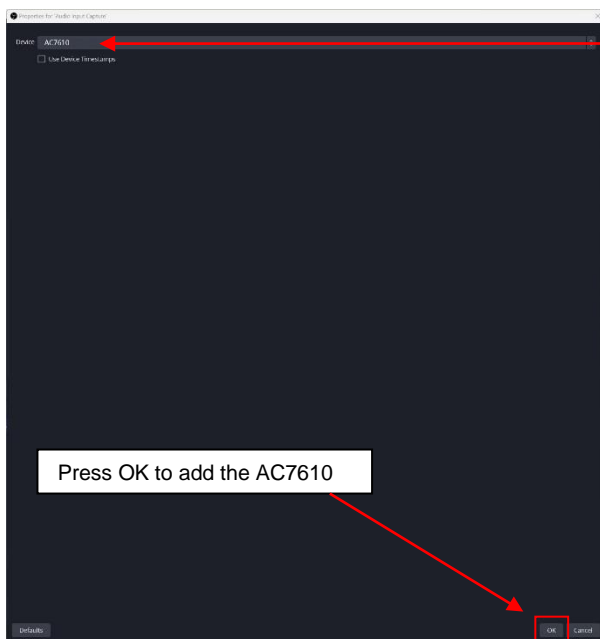
### 5.1 Add audio to OBS (Windows)





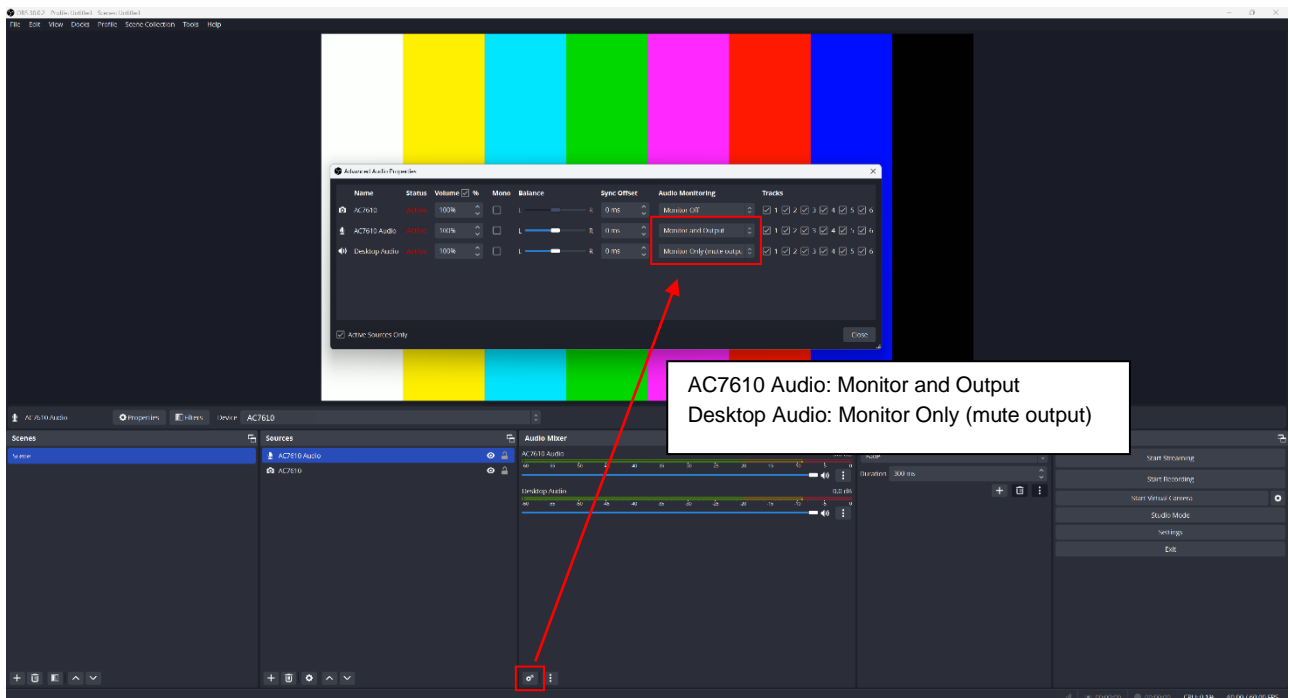


Give the audio source a name



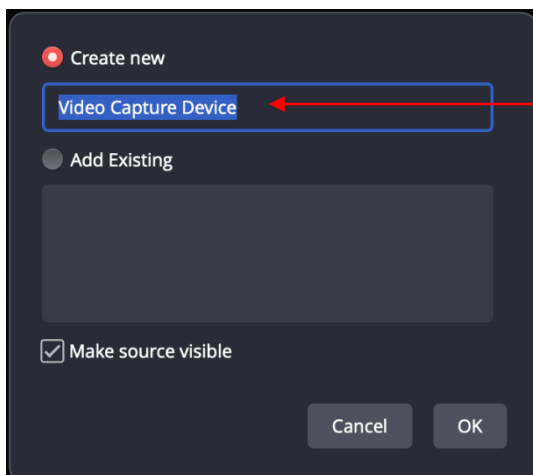
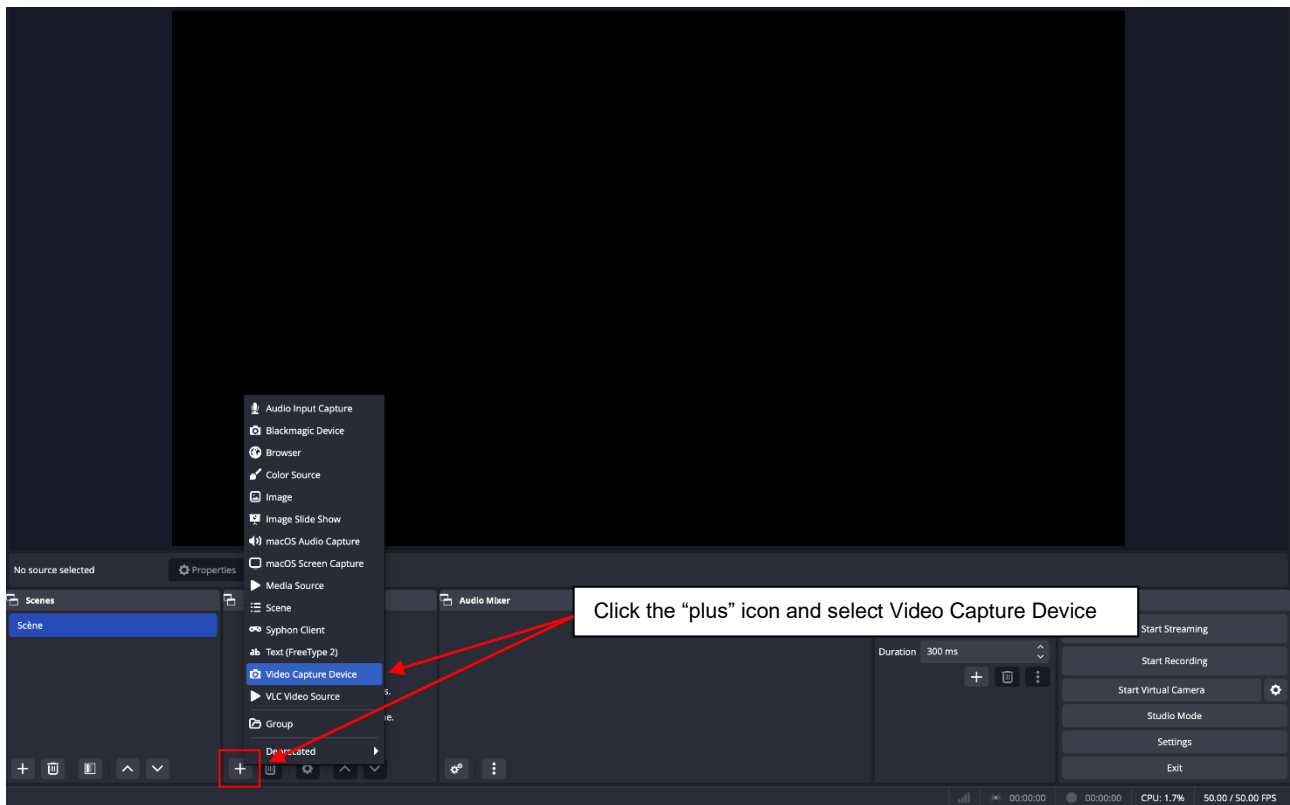
Choose Device : AC7610

Press OK to add the AC7610

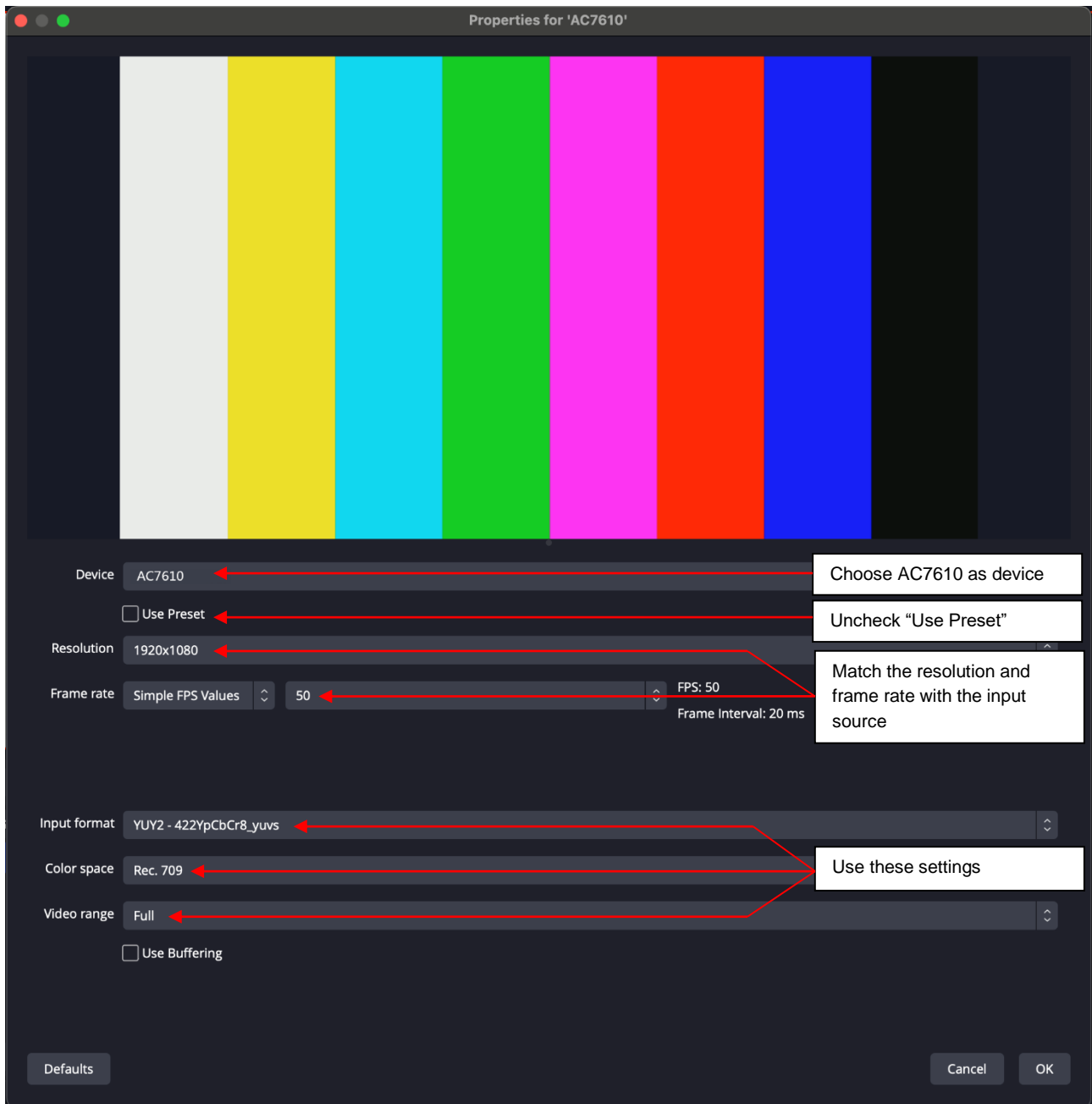


AC7610 Audio: Monitor and Output  
Desktop Audio: Monitor Only (mute output)

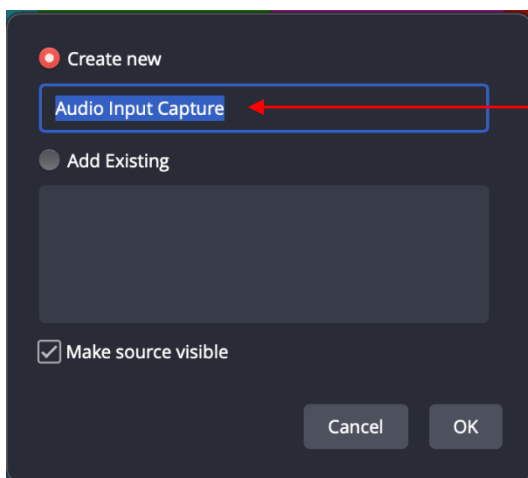
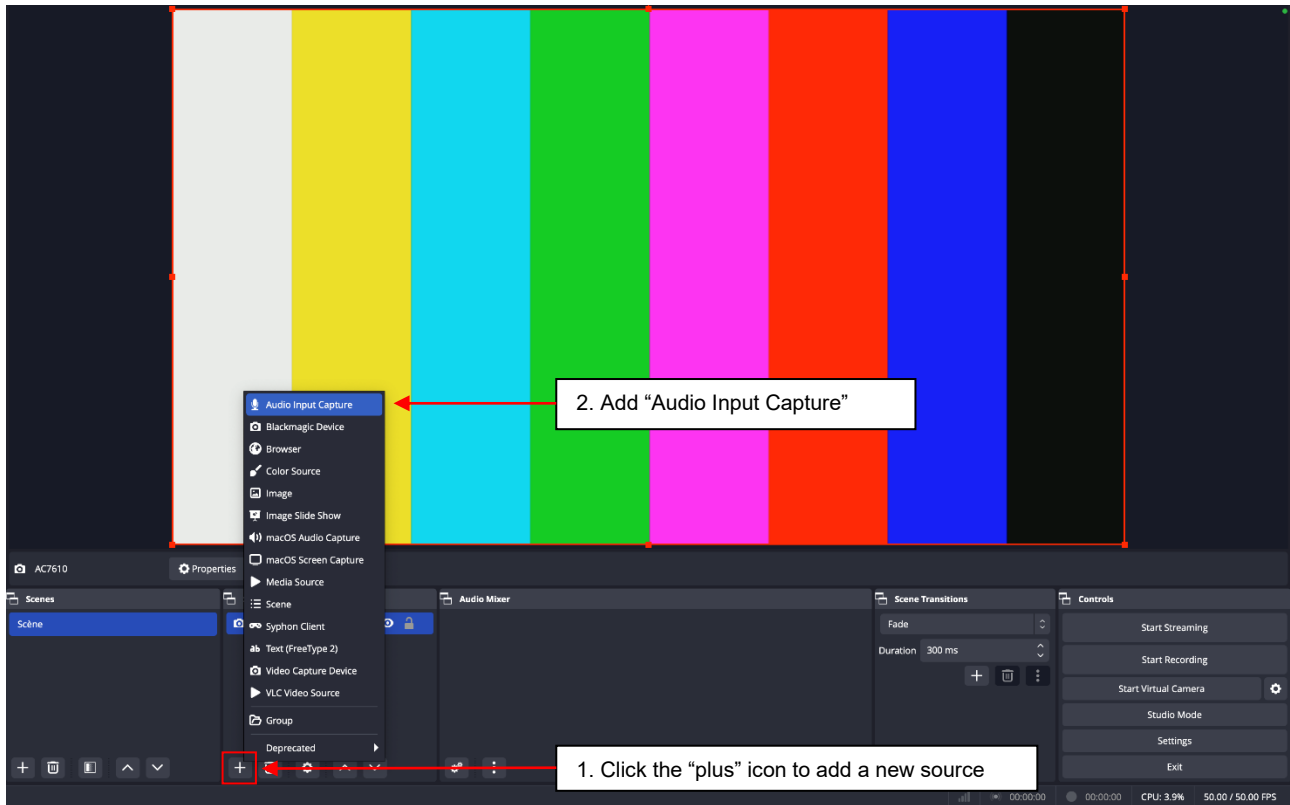
## 6.0 Add AC7610 to OBS (Mac)

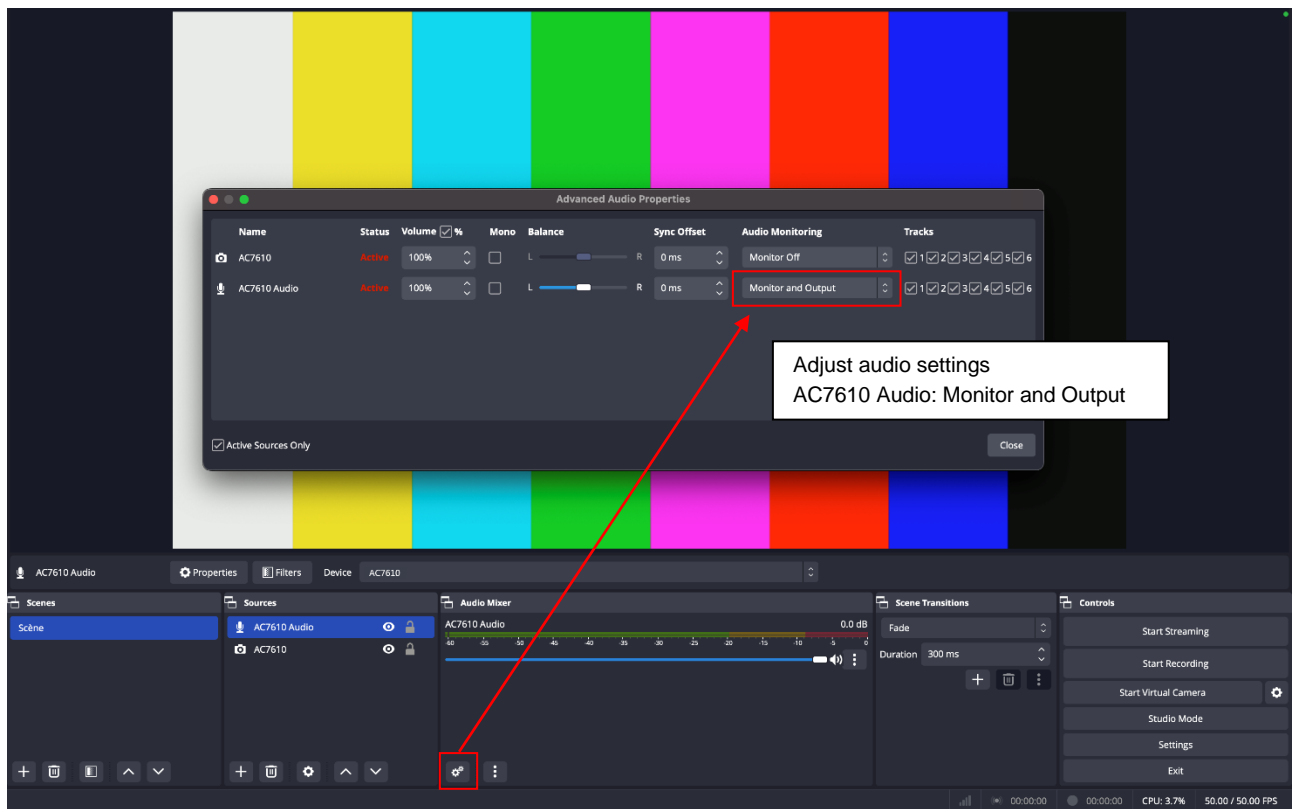
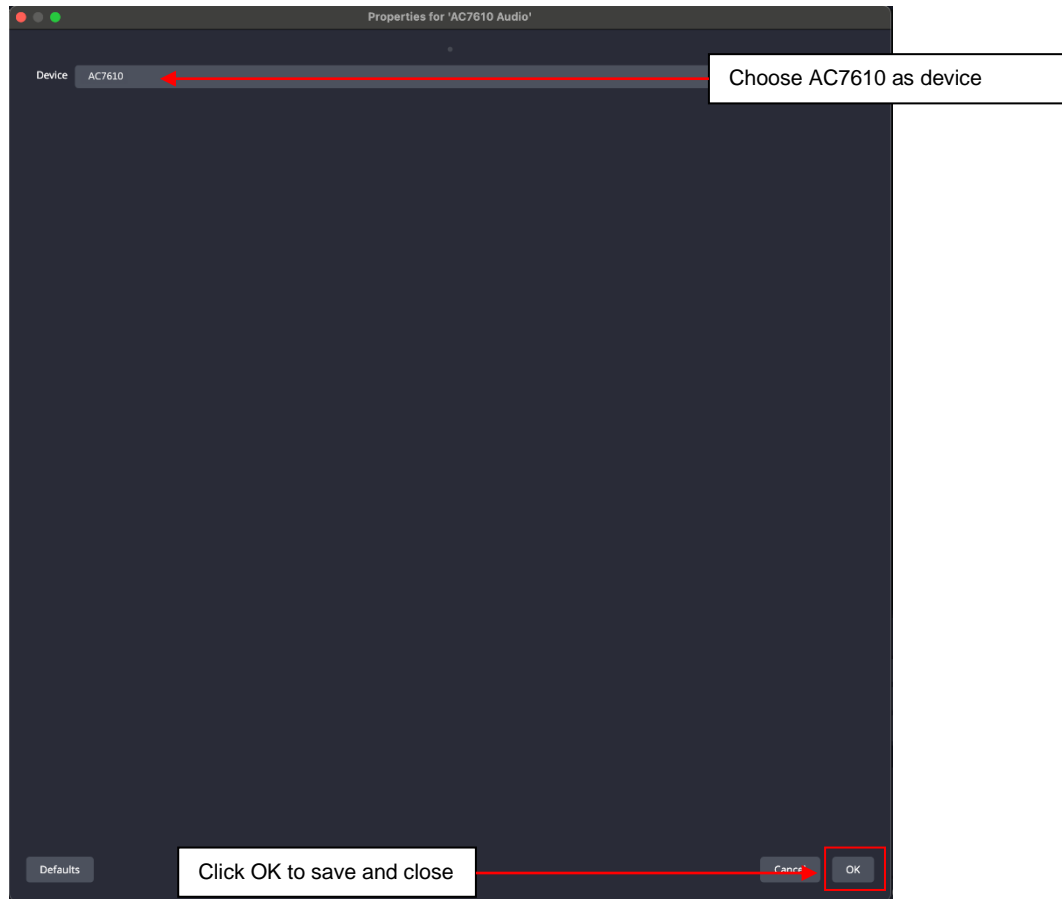


Give the video capture device a name



## 6.1 Add audio to OBS (Mac)





## 7.0 Service and support

This user manual has been carefully written by ACT's technical experts. If you have problems installing or using the product, please check the **support** link at the website [www.act-connectivity.com](http://www.act-connectivity.com).

## 8.0 Warning and points of attention



Due to laws, directives and regulations set out by the European parliament, some (wireless) devices could be subject to limitations concerning its use in certain European member states. In certain European member states the use of such devices could be prohibited. Contact your (local) government for more information about this limitations.

Always follow up the instructions in the manual\*, especially where it concerns devices which need to be assembled.

Warning: In most cases this concerns an electronic device. Wrong/improper use may lead to (severe) injuries!

When you connect the device to the mains, make sure it will not be damaged or subject to (high) pressure.

A power socket is needed which should be close and easy accessible from the device.

Repairing of the device should be done by qualified ACT staff. Never try to repair the device yourself. The warranty immediately voids when products have undergone self-repair and/or by misuse. For extended warranty conditions, please visit our website at [www.act-connectivity.com](http://www.act-connectivity.com)

Dispose of the device appropriately. Please follow your countries regulation for the disposal of electronic goods.

Please check below safety points carefully:

- Do not apply external force on the cables
- Do not unplug the device by pulling the power cable
- Do not place the device near heating elements
- Do not let the device come in contact with water or other liquids
- If there is any strange sound, smoke or odor, remove the device immediately from the power outlet.
- Do not put any sharp objects into the venting hole of a product
- Do not use any damaged cables (risk of electric shock)
- Keep the product out of reach of children
- Wipe off the product with soft fabric, not water mop.
- Keep the power plug and outlet clean
- Do not unplug the device from the power outlet with wet hands
- Unplug the device when you don't use it for a long time
- Use the device at a well ventilated place

*\*Tip: ACT manuals are written with great care. However, due to new technological developments it can happen that a printed manual does not longer contain the most recent information. If you are experiencing any problems with the printed manual or you cannot find what you are looking for, please always check our website [www.act-connectivity.com](http://www.act-connectivity.com) first for the newest updated manual.*

*Frequently asked questions (FAQ). Consult **support** on our website [www.act-connectivity.com](http://www.act-connectivity.com) and see if you can find the right information about your product here. It is highly advisable to consult the FAQ section first, the answer is often here.*

## 9.0 Warranty conditions

The ACT warranty applies to all ACT products. After buying a second-hand ACT product the remaining period of warranty is measured from the moment of purchase by the product's initial owner. ACT warranty applies to all ACT products and parts, indissolubly connected or mounted to the product it concerns. Power supply adapters, batteries, antennas and all other products not directly integrated in or connected to the main product or products of which, without reasonable doubt, can be assumed that wear and tear during use will show a different pattern than the main product, are not covered by the ACT warranty. Products are not covered by the ACT warranty when exposed to incorrect/improper use, external influences or when opening the service parts of the product by parties other than ACT. ACT may use refurbished materials for repair or replacement of your defective product. ACT cannot be held responsible for changes in network settings by internet providers. We cannot guarantee that the ACT networking product will keep working when settings are changed by the internet providers. ACT cannot guarantee the working of web services, apps and other third party content that is available through ACT products

### **When my product gets defective**

Should you encounter a product rendered defective for reasons other than described above: Please contact your point of purchase for taking care of your defective product.