

ACT AC7610 Dual HDMI Input USB C Video Switcher



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ACT AC7610 Dual HDMI Input USB C Video Switcher



Specifications

- USB-C Input Output
- Capture Input Format: HDMI2.0 RGB, YUY2
- Capture Video Format: YUY2 16bit, RGB 24bit
- Input Resolution: 720P, 1080P, 4K@30Hz, 4K@60Hz
- Loop out USB3.0 Capture Video Format: YUY2 16bit, RGB 24bit
- Operating System: Windows7/8/8.1/10/11, Mac OS
- Compatible Software: Windows Media Encoder, Microsoft Teams

Product Usage Instructions

Connection

Connect the AC7610 to your computer using the USB-C interface. Connect your HDMI inputs to the switcher. You can also connect a microphone and line audio input if needed.

Setting Up on Windows

To add AC7610 to OBS on Windows:

1. Navigate to the settings in OBS.
2. Select "Video" from the left menu.
3. Under "Video Adapter," choose AC7610 as the input source.
4. Click "Apply" and then "OK" to save the settings..

Frequently Asked Questions (FAQ)

Q: Do I need to install drivers for the AC7610?

A: No, the AC7610 does not require any additional driver installations.

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.

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

Features

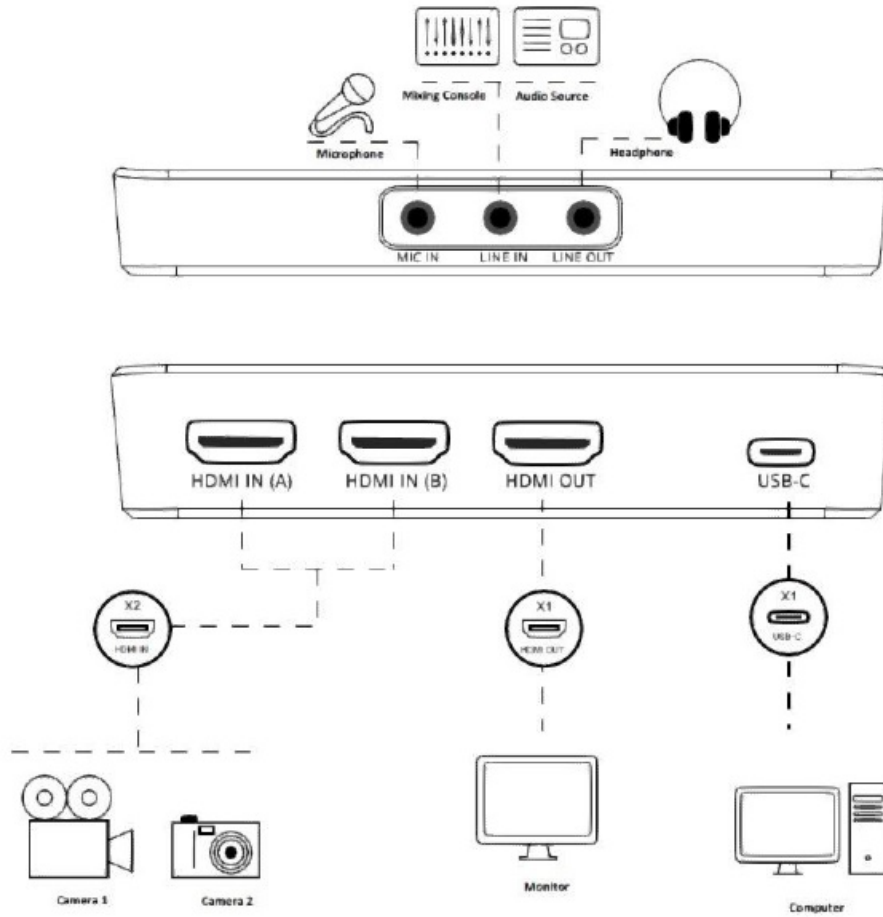
- 4K60Hz input support and HDMI out capture and recording at 1080p60Hz.
- Recording video formats: RGB/24 bit, YUY2/16Bit.
- UAC and UVC protocol is supported with 48Khz audio sampling rate.
- No driver installation is required.
- Microphone and line audio input.
- Line out for monitoring (can also be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

Specifications

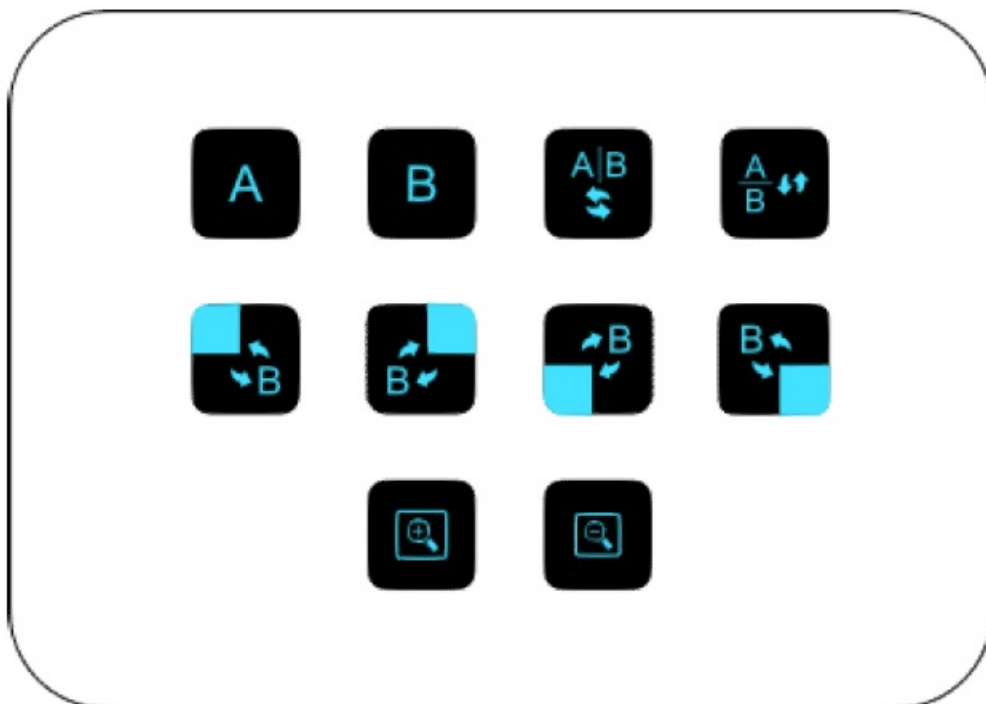
| | |
|----------------------|--|
| | |
| USB-C | USB 3.0, 5Gb/s transfer bandwidth, USB 2.0 compatible |
| Input | 2x HDMI, 1x Line in , 1x Microphone |
| Output | 1x HDMI , 1x USB-C, 1x Line out |
| STANDARD | |
| Capture | Compliant with UVC(USB Video Class) and UAC (USB Audio Class) standards. |
| Input Format | HDMI2.0 |
| Capture Video Format | RGB, YUY2 |
| Input Resolution | 720P, 1080P, 4K@30Hz, 4K@60Hz |
| | 640×480, 800×600, 1024×768, 1600×1200, 1280×1024, 1680×1050, 1920×1200, 1600×900, 1440×900, 1366×768, 1360×768, 1280×960, 1152×864, 1280×800, 1920×1080, 3840×2160 |
| | |

| | | |
|----------------------------------|--|---|
| 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℃ | |
| Storage Temperature | -20-70℃ | |
| Storage Humidity | 5%-90% | |





Connections



Button Description

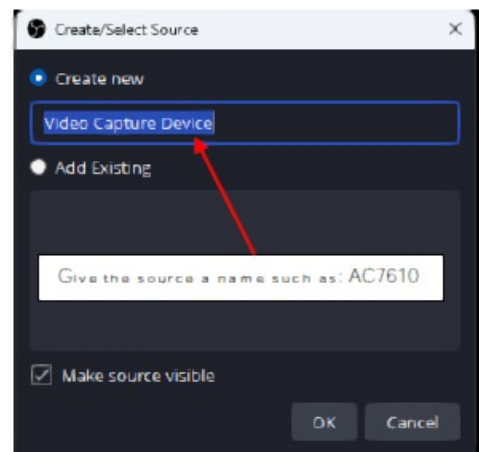
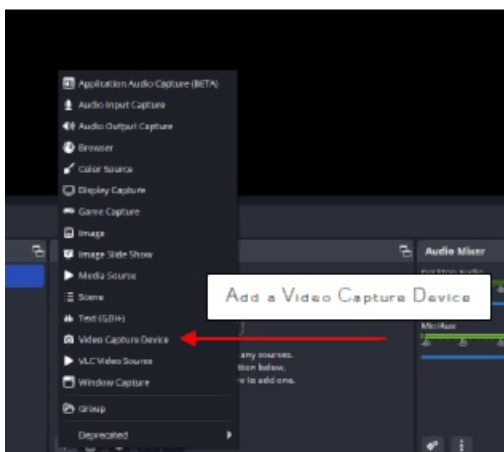
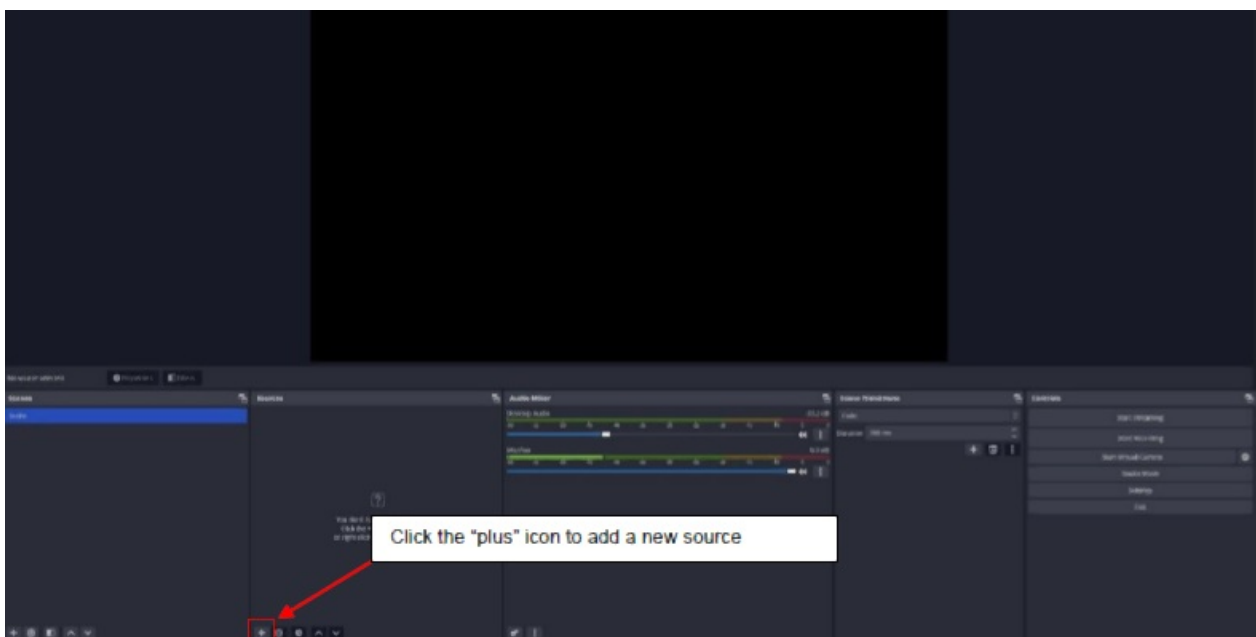


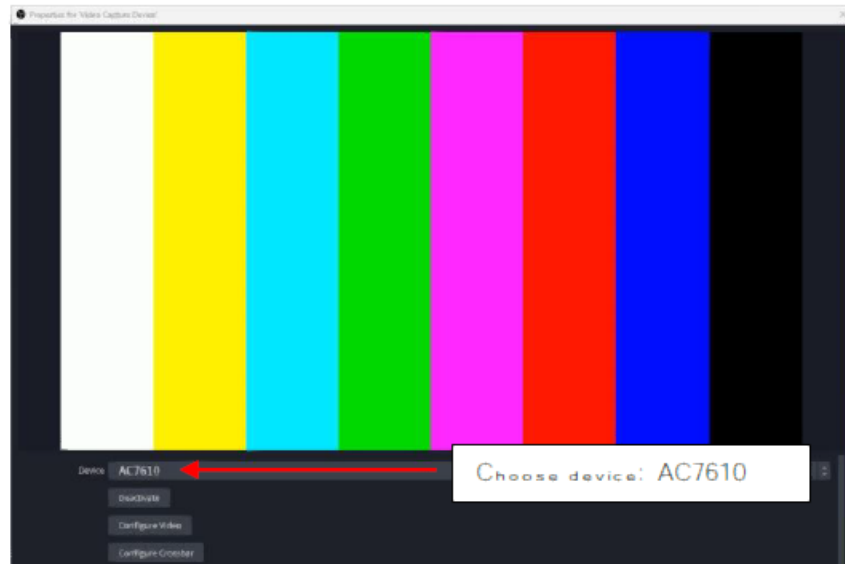
1. When or **A** or **B** key is pressed the AC7610 will switch the loop-out and capture output to input HDMI in (A) or HDMI in (B)

- 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.
- 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.
- 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).
- 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.

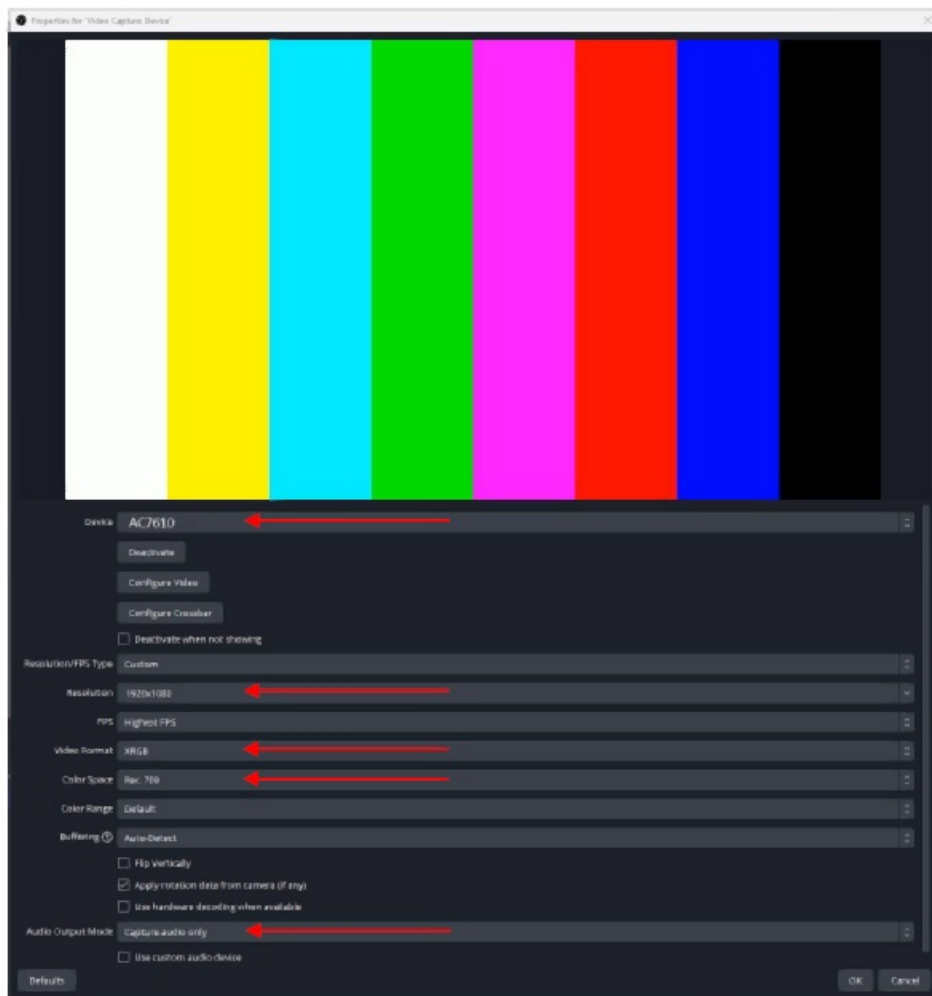
Add AC7610 to OBS (Windows)

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. 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 OSB Studio version 30.0.2.

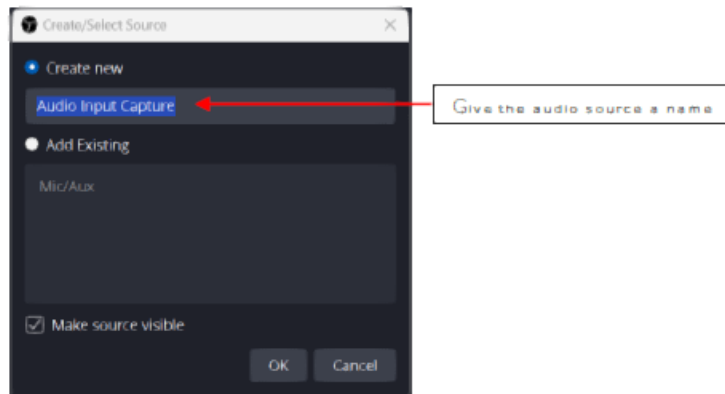
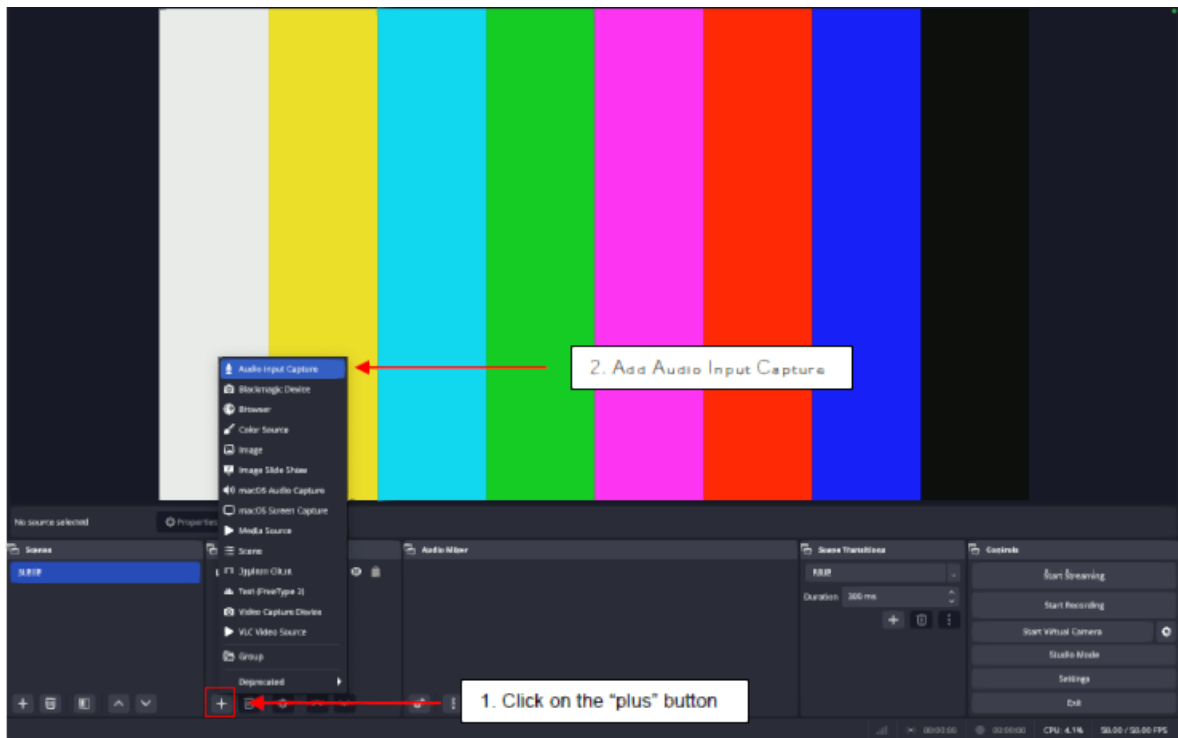


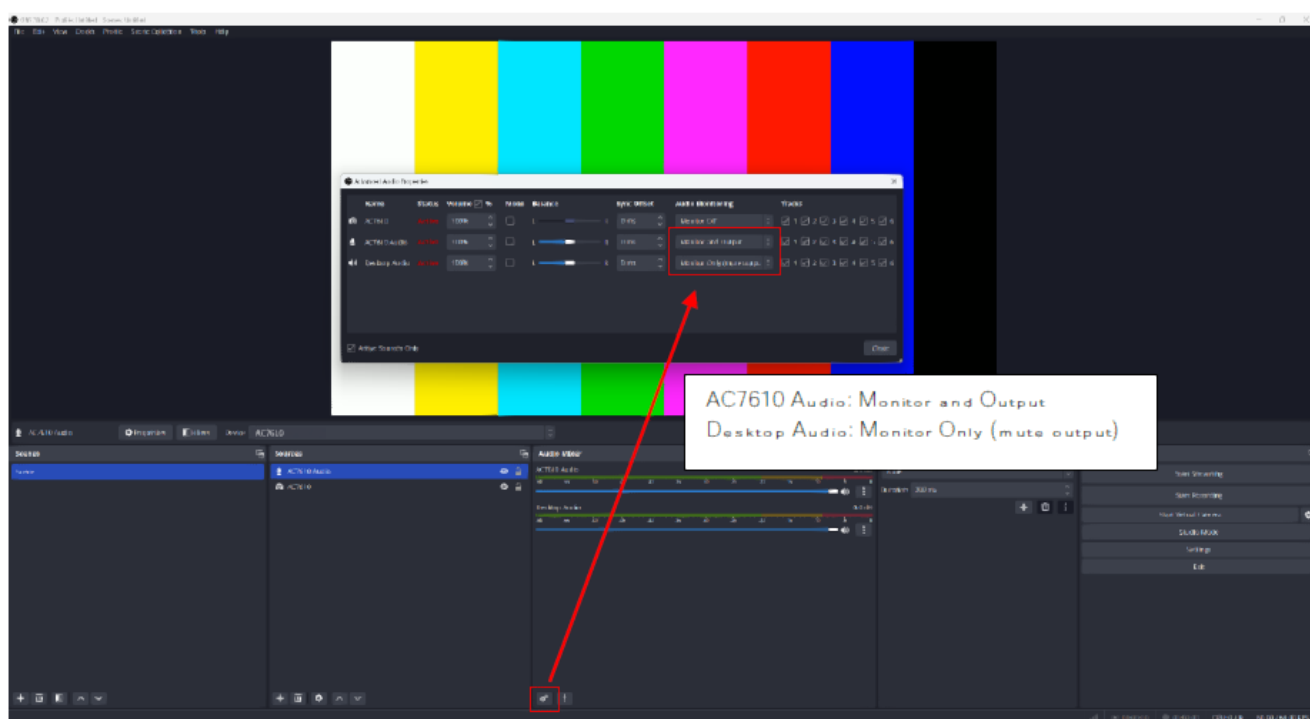


Set the right resolution. In our example we used 1920×1080. Make sure to select the right settings for Video Format, Color Space and Audio Output Mode click OK to add the AC7610 to OBS.

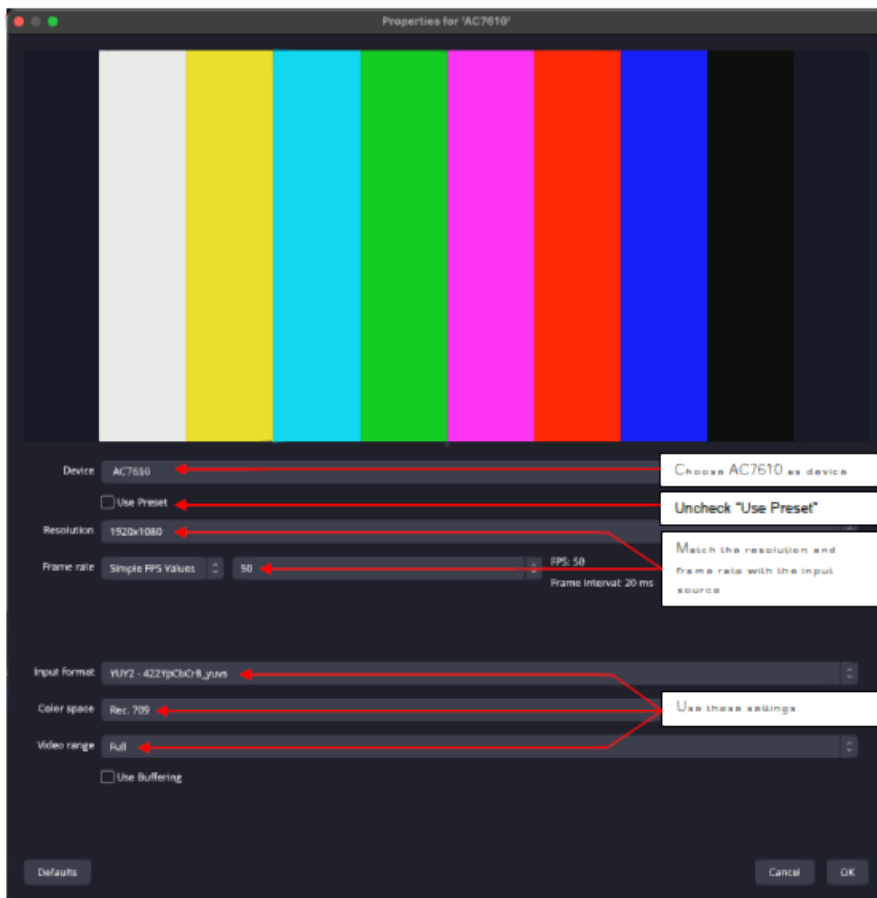
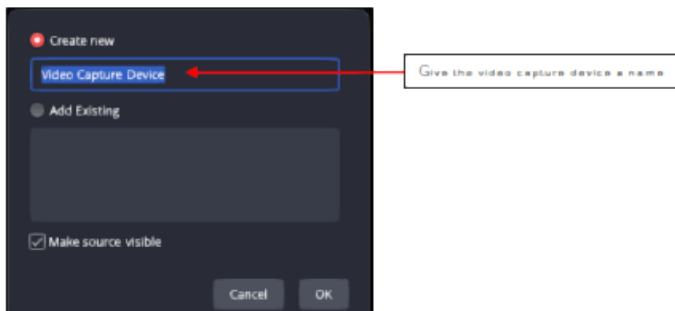
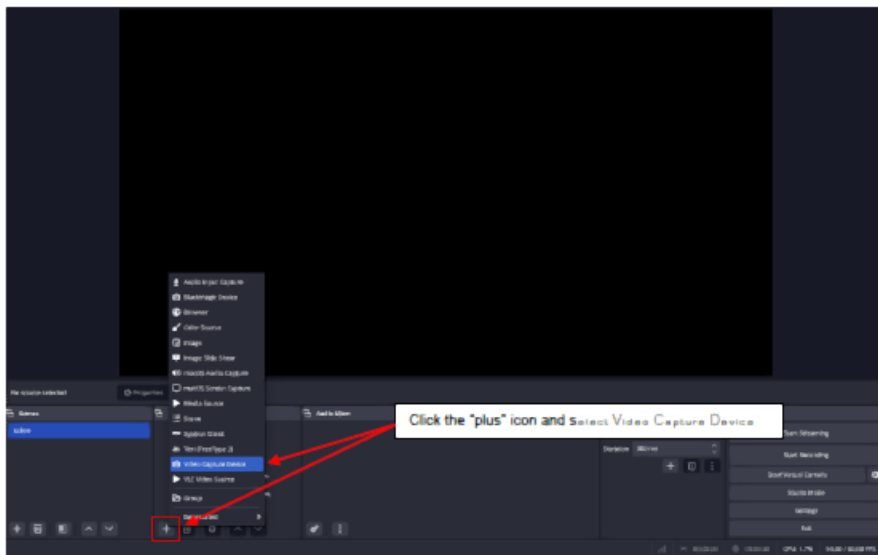


Add audio to OBS (Windows)

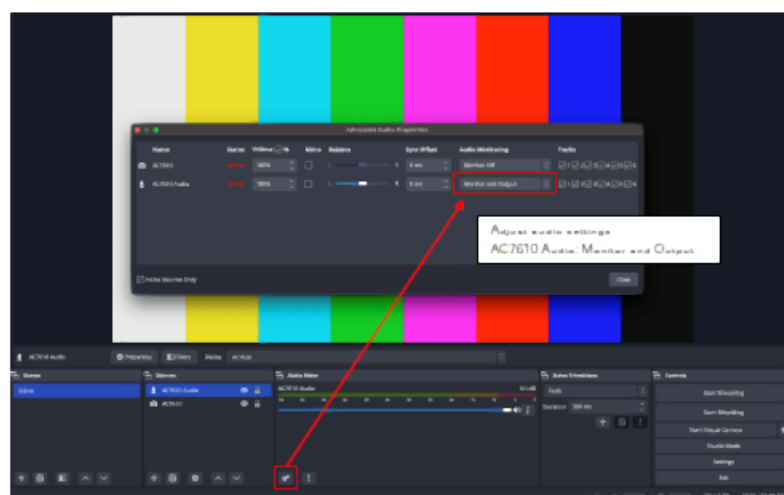
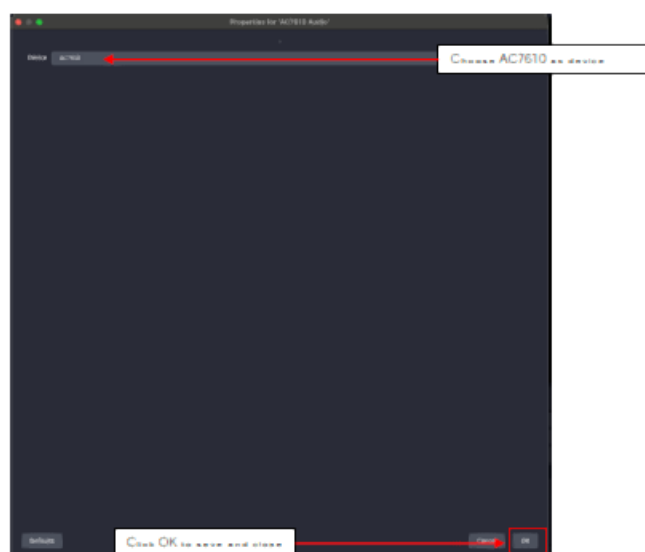
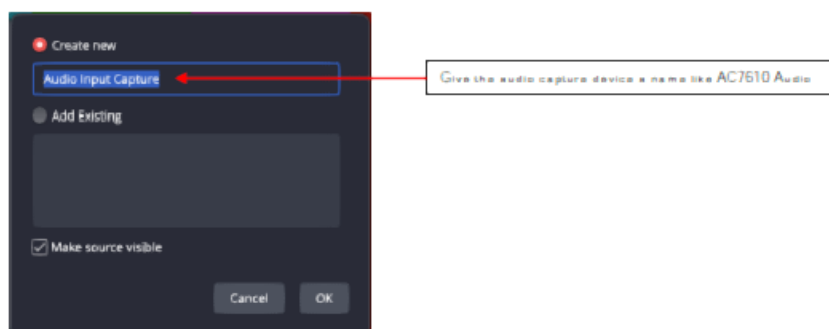
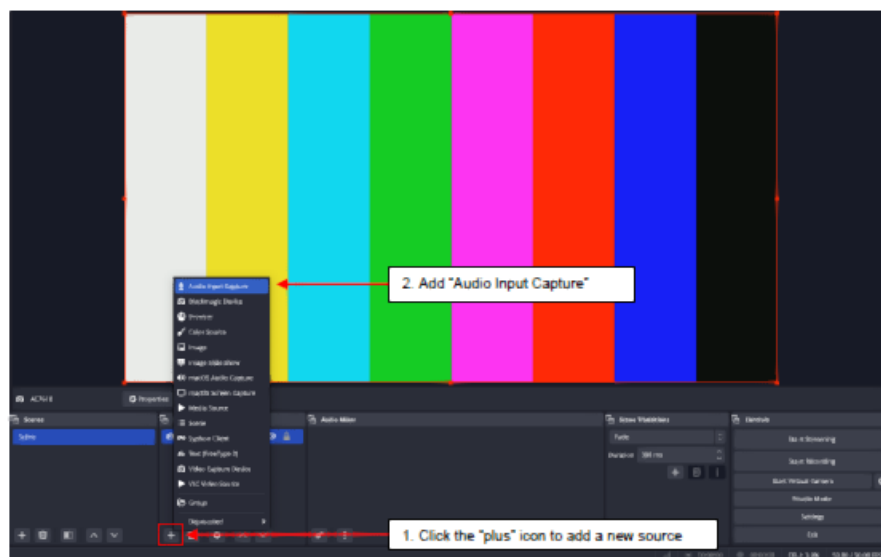




Add AC7610 to OBS (Mac)



Add audio to OBS (Mac)



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.

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
- 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 form 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 first for the newest updated manual.

Frequently asked questions (FAQ). Consult support on our website 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.

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

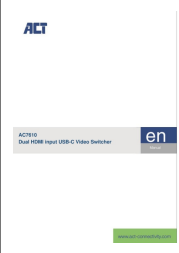
When my product gets defective

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.

www.act-connectivity.com

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Documents / Resources

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|  | <p>ACT AC7610 Dual HDMI Input USB C Video Switcher [pdf] User Guide</p> <p>AC7610 Dual HDMI Input USB C Video Switcher, AC7610, Dual HDMI Input USB C Video Switcher, HDMI Input USB C Video Switcher, Input USB C Video Switcher, USB C Video Switcher, Video Switcher, Switcher</p> |
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References

- [A Home | ACT](#)
- [Open Broadcaster Software | OBS](#)
- [User Manual](#)

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