ClonerAlliance®

ClonerAlliance Flint 4KP User Manual

ClonerAlliance Flint 4KP User Manual

This documentation describes how to use ClonerAlliance Flint 4KP (Model: CA-1080F4P) device.

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Documentation Version 2.0

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Trademarks

HDML® is a registered trademark of ClonerAlliance® Inc.

Safety Notices

Before using ClonerAlliance Flint 4KP, please ensure that you read and understand the safety precautions below:

1. Do not attempt to open the case of ClonerAlliance Flint 4KP or modify it in any way, as this will void the warranty.
2. Keep ClonerAlliance Flint 4KP away from water and other liquids, as this may cause the unit to malfunction.
3. ClonerAlliance Flint 4KP may become warm during use. This does not indicate malfunction.
4. Do not place heavy objects on ClonerAlliance Flint 4KP, as this may cause the unit to overheat and malfunction.
5. If the exterior of ClonerAlliance Flint 4KP requires cleaning, wipe it with a soft dry cloth.
6. Do not dispose of the unit via conventional domestic waste.

ClonerAlliance

Warning:

All ClonerAlliance products do NOT support to display or capture HDCP protected content.
According to the DMCA (Digital Millennium Copyright Act, 17 U.S.C. § 1201), it is illegal to bypass the HDCP protection by using HDMI capture devices.
If you violate the above laws, you may face a lawsuit.

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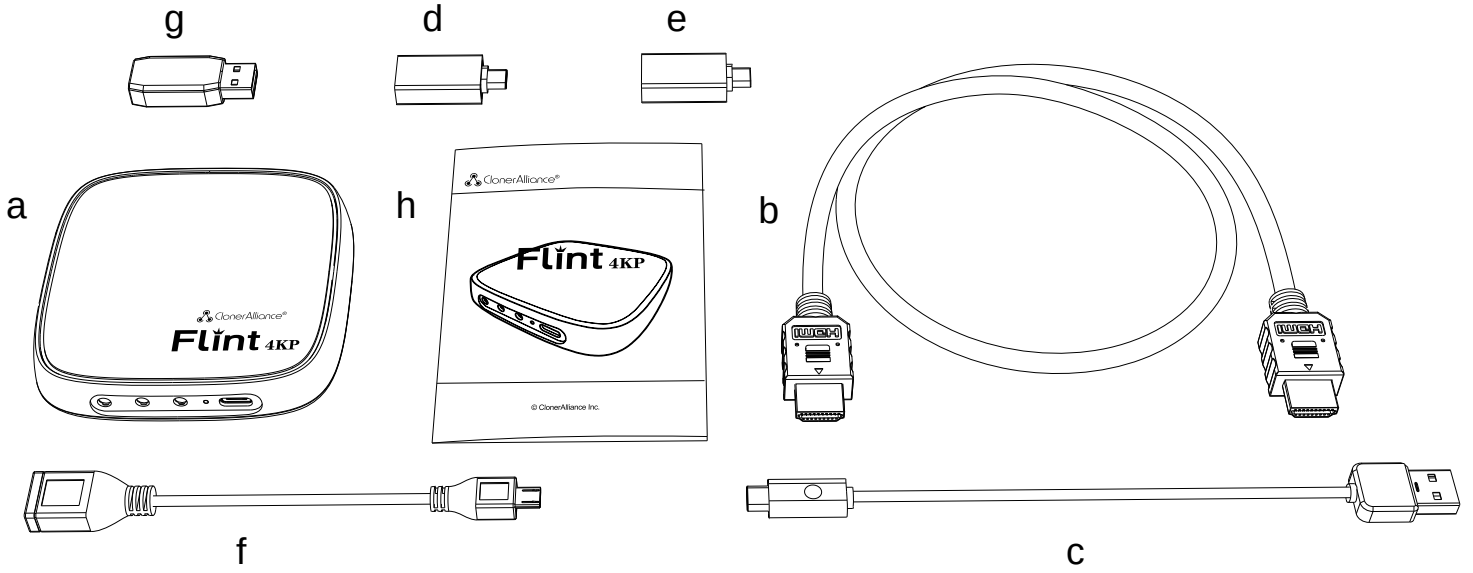
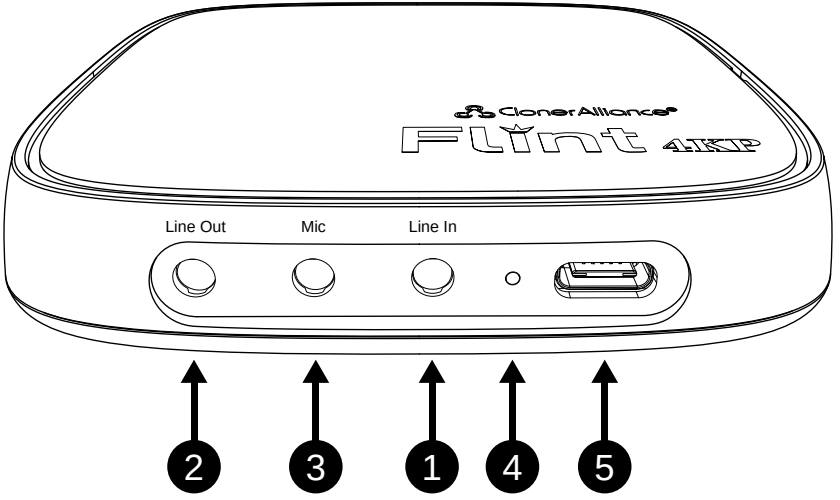
1.1 Box Contents

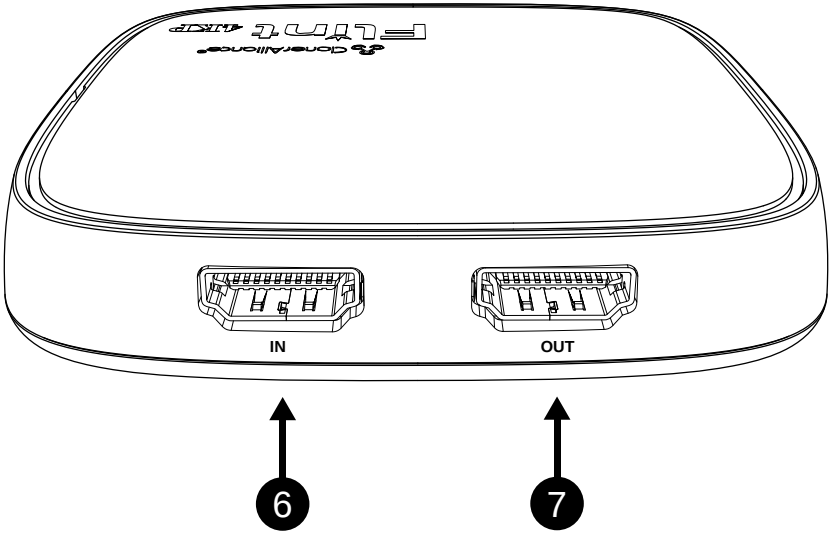


- a. ClonerAlliance Flint 4KP
- b. HDMI Cable
- c. USB3.0(male) to USB Type-C cable
- d. USB2.0(female) to USB Type-C connector
- e. USB3.0(female) to USB Type-C connector
- f. USB2.0(female) to USB Micro-B OTG cable
- g. USB2.0 Type-A female to male connector
- h. User Manual

1.2 Product Diagram



1. Line In: Stereo audio input port.
2. Line Out: Stereo audio output port.
3. Mic: 3.5MM Microphone input port.
4. LED: Stable Blue indicates ClonerAlliance Flint 4KP is in working mode.
5. USB Type-C: Connect a USB3.0(male) to USB Type-C cable between ClonerAlliance Flint 4KP and PC.



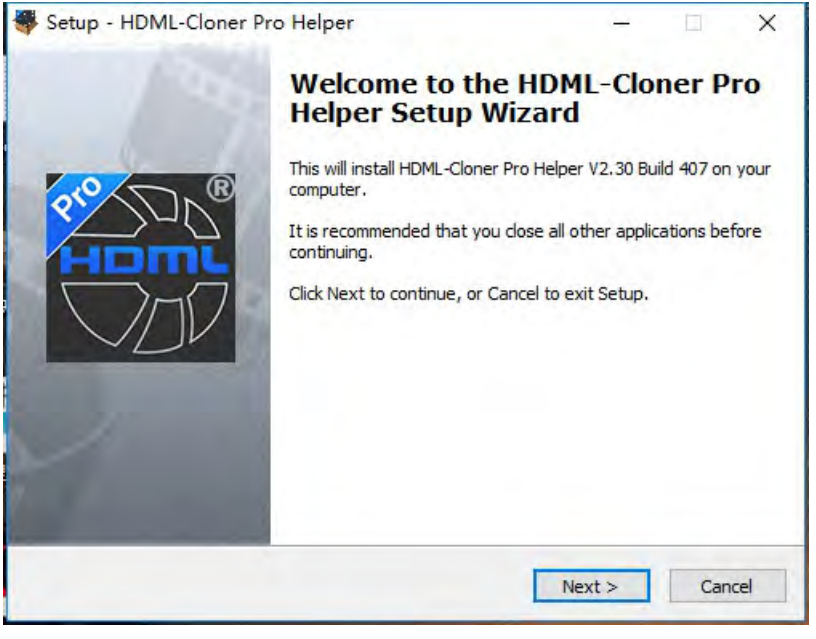
6. IN: Connect an HDMI cable between the source video player and ClonerAlliance Flint 4KP.
7. OUT: Connect an HDMI cable between ClonerAlliance Flint 4KP and TV.

2.1 Install and register HDML-Cloner Pro Helper (Windows Users)

1. Install HDML-Cloner Pro Helper

HDML-Cloner Pro Helper is a smart program to record video discs, game videos, homemade videos or anything from any video source under Windows OS working together with ClonerAlliance Flint 4KP.

- Download HDML-Cloner Pro Helper software from https://static.cloner-alliance.com/download/hdml-cloner-pro.exe
- Double click the installation file and the setup wizard window will pop up. Follow the installation wizard to complete the installation process. You do not have to restart your computer after the installation is complete.

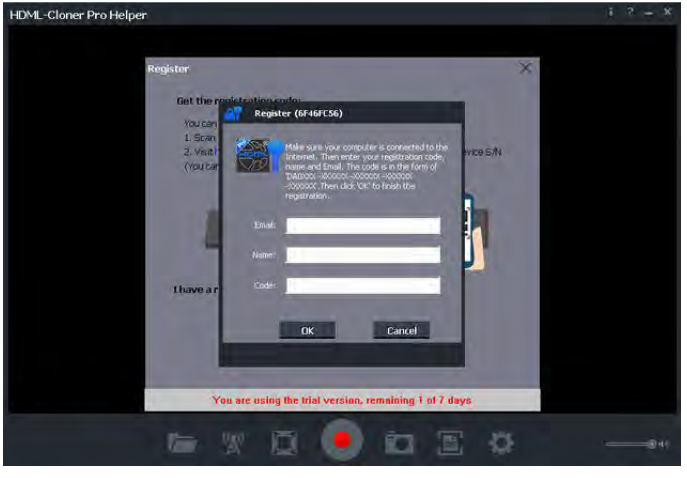


Note: Prior to installing HDML-Cloner Pro Helper, please make sure you are using Windows 7 or later versions and your PC is equipped with USB 2.0 or 3.0 port.

2. Register HDML-Cloner Pro Helper

Please register HDML-Cloner Pro Helper first before using, otherwise it can only be used for 7 days. Launch HDML-Cloner Pro Helper. Click ”Input registration code” button in the auto pop-up Register window. Fill in your proper Email address,

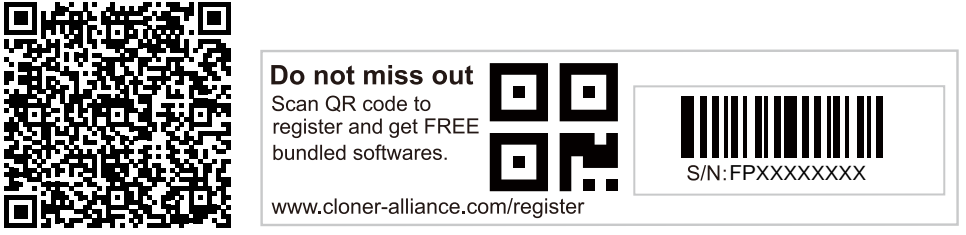
real name and code. Then click ”OK” to finish the registration.



- Obtain the registration code of HDML-Cloner Pro Helper.

Scan the QR code below to get the code directly. Or visit https://www.cloner-alliance.com/register, fill in your product S/N. You will get a registration code directly. It is advised that you input your correct email address to receive the registration code at the same time. You may use the registration code, name and your email address to register HDML-Cloner Pro Helper. MP4-Cloner will be registered automatically.

If you get trouble in the process, don’ t be discouraged, just send us a message to support@cloner-alliance.com with your S/N and your order ID. Our support will send you the code directly.



(a)
Click.Here

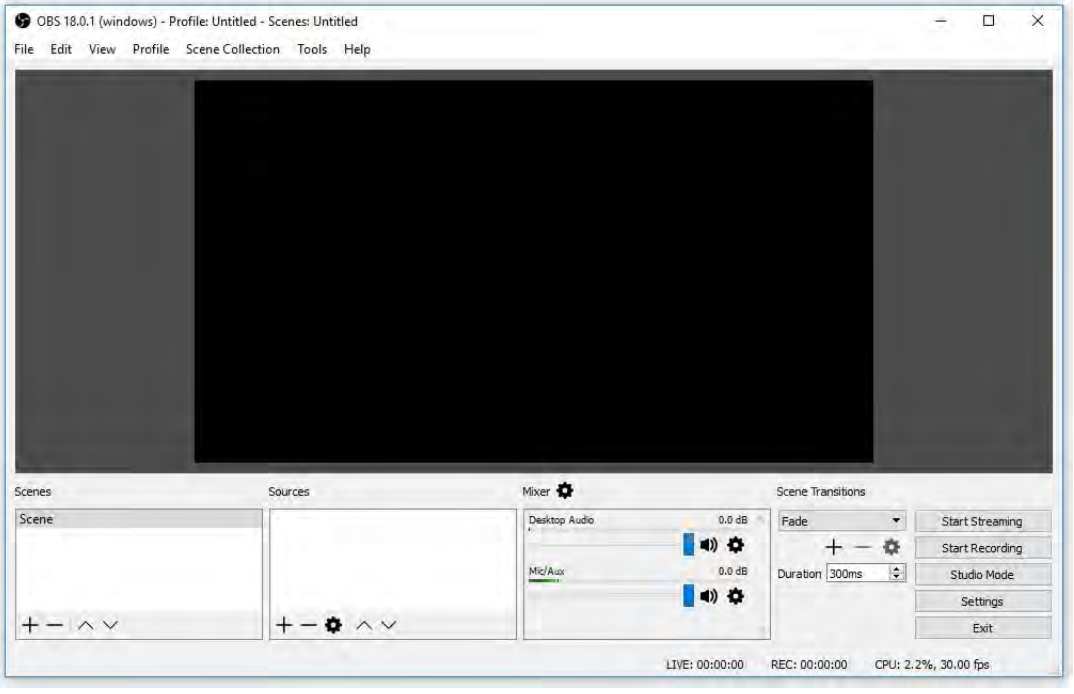
For more details about registering HDML-Cloner Pro Helper, visit here to read step by step instructions.

2.2 Install OBS Studio (Windows, Mac, and Linux Users)

Open Broadcaster Software is a Free and open source software for video recording and live streaming. Download and start streaming quickly and easily on Windows, Mac or Linux.

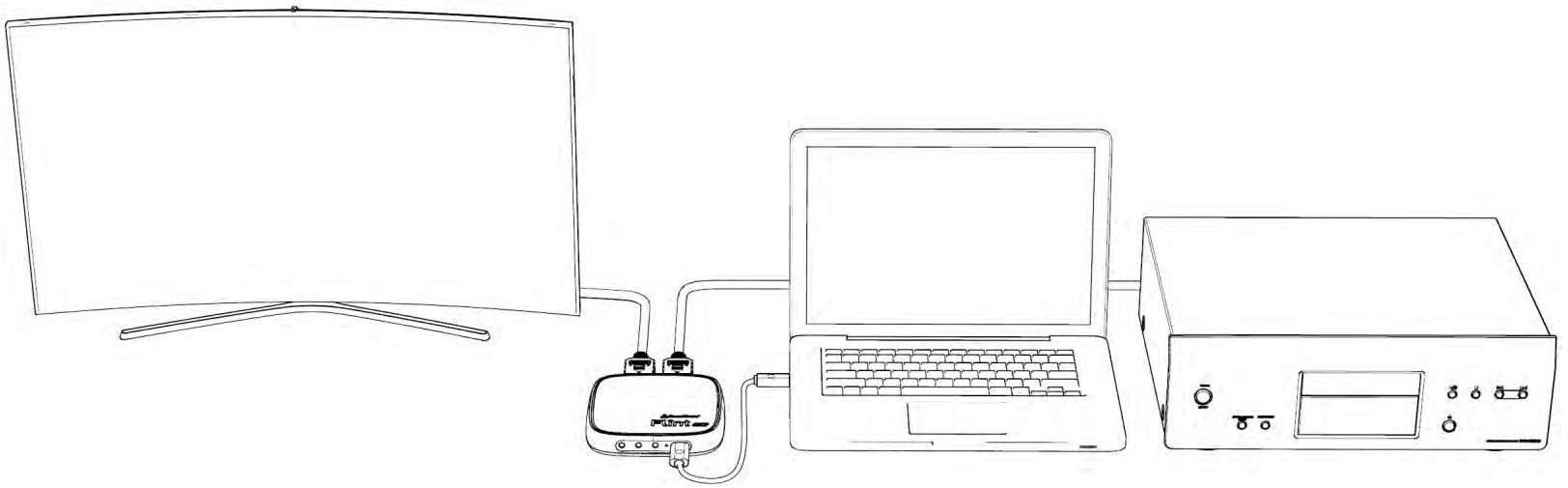
Please install Open Broadcaster Software (OBS Studio) and run it on your computer.

Tip: You can click here to download Open Broadcaster Software (OBS Studio).


OBS 18.0.1 (windows) - Profile: Untitled - Scenes: Untitled
File Edit View Profile Scene Collection Tools Help
Scenes
Scene
Sources
Mixer
Desktop Audio
0.0 dB
Mic/Aux
0.0 dB
Scene Transitions
Fade
Duration 300ms
Start Streaming
Start Recording
Studio Mode
Settings
Exit
LIVE: 00:00:00
REC: 00:00:00
CPU: 2.2%, 30.00 fps

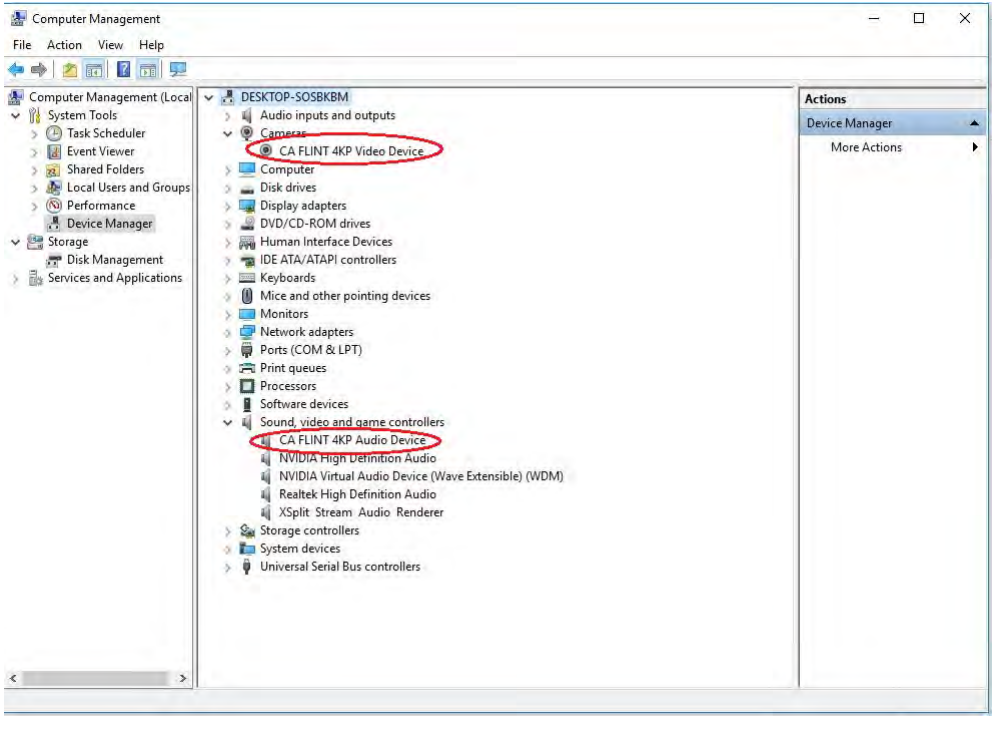
3.1 Connect

1. Connect the video player to the “IN” port on ClonerAlliance Flint 4KP via an HDMI cable.
2. Connect the TV to the “OUTPUT” port on ClonerAlliance Flint 4KP via an HDMI cable.
3. Connect the USB3.0(male) to USB Type-C cable between ClonerAlliance Flint 4KP and PC.



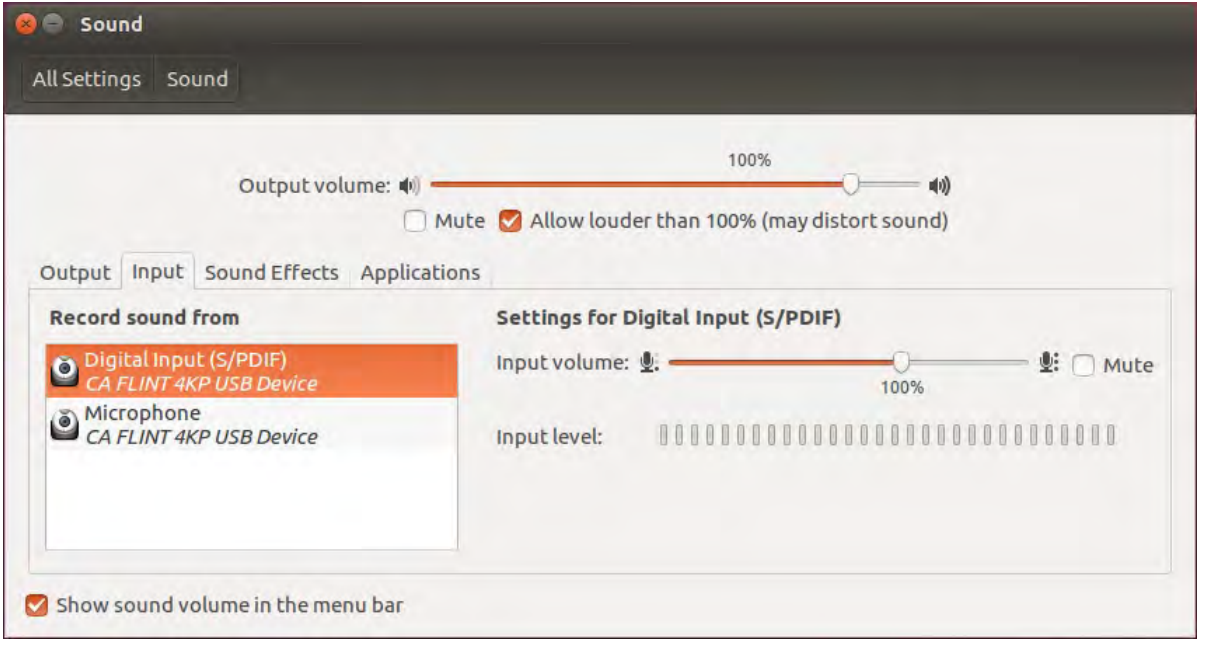
- For Windows

After all devices are connected properly, when you power on all devices, go to “Device manager”, it will show “CA FLINT” under “Cameras” and “Sound, video and game controllers”:



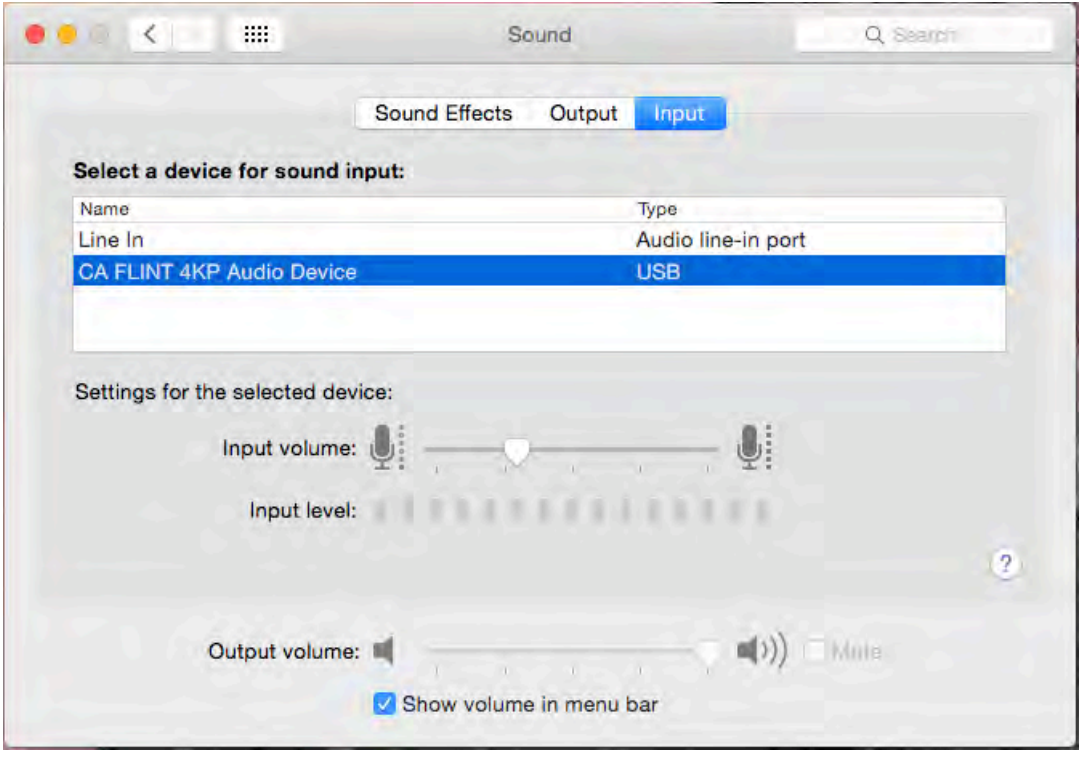
- For Linux

Connect ClonerAlliance Flint 4KP to PC via USB Type-C cable, go to the “Sound/Input”, it will show it as “CA FLINT 4KP USB Device” in the list.



- For Mac OS

Connect ClonerAlliance Flint 4KP to Mac, go to “Settings/Sound/Input” it also shows “CA FLINT 4KP Audio Device” among the list.


Sound
Search
Sound Effects
Output
Input
Select a device for sound input:
Name
Type
Line In
Audio line-in port
CA FLINT 4KP Audio Device
USB
Settings for the selected device:
Input volume:
Input level:
Output volume:
Mute
Show volume in menu bar

3.2 Record/Capture for Windows users

Please download HDML-Cloner Pro Helper software and install it on your PC first.

See details about *Install and register HDML-Cloner Pro Helper (Windows Users)*

1. After all devices are connected properly, insert the video disc into the drive of the video player and run HDML-Cloner Pro Helper.

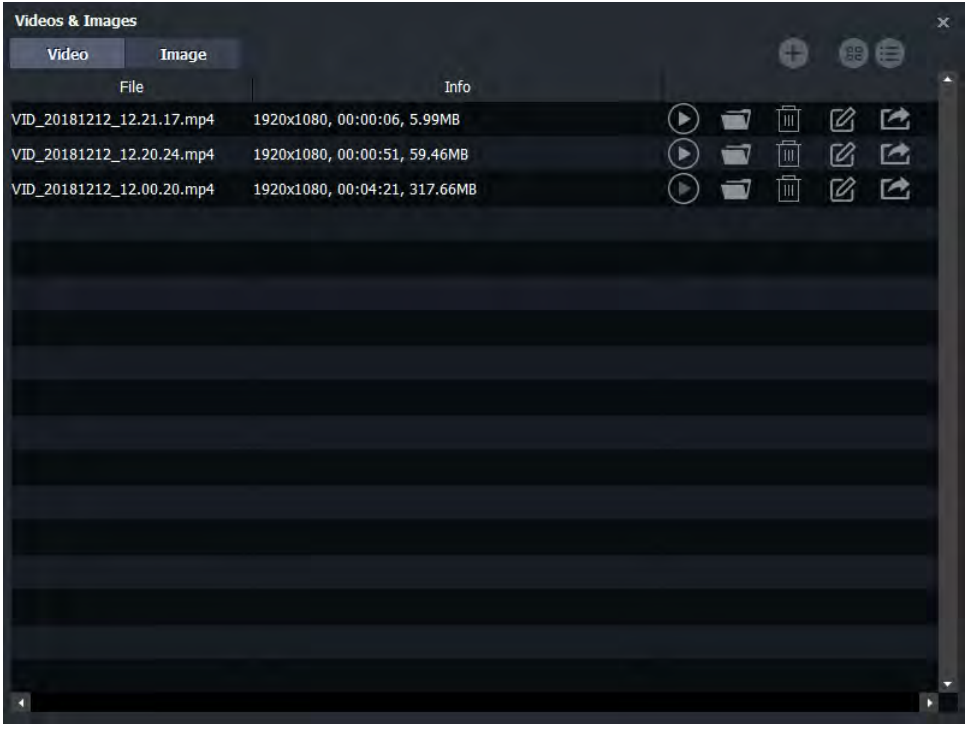
2. Click to start recording.

3. Click to stop recording. Tip: During recording, you can also click to pause at any-

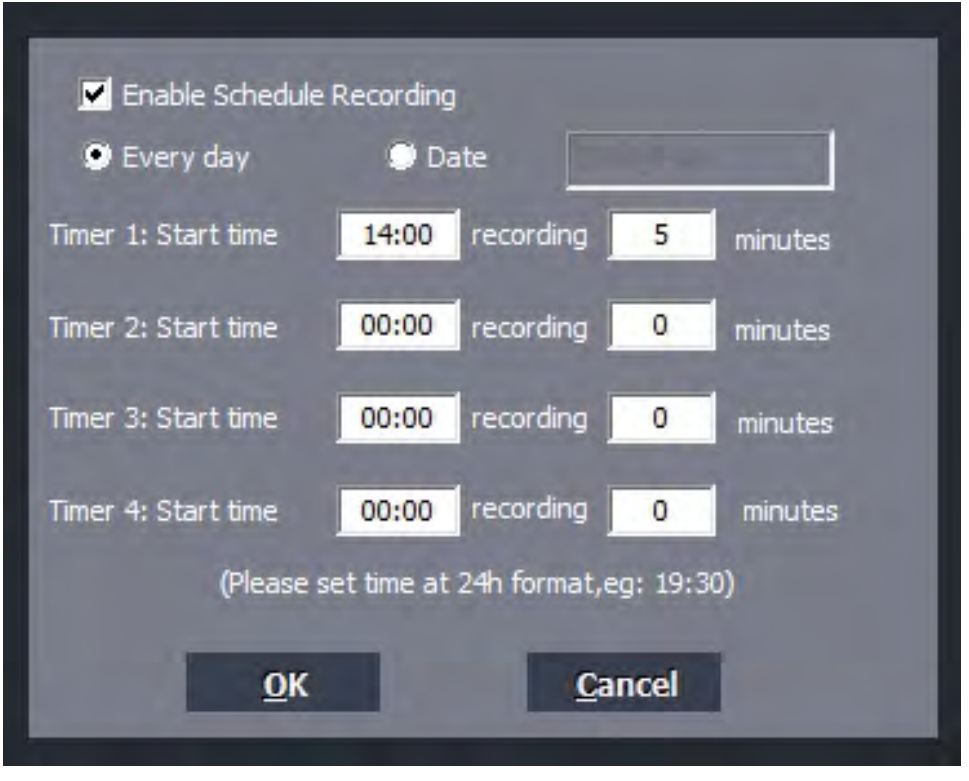
time. When you want to resume, please click to continue recording. Besides, you can Click to take screenshots, click to capture GIF animation by clicking .

Software interfaces may vary depending on the version.

4. After recording, click to view the recorded video. Then you can click to play back the video directly.



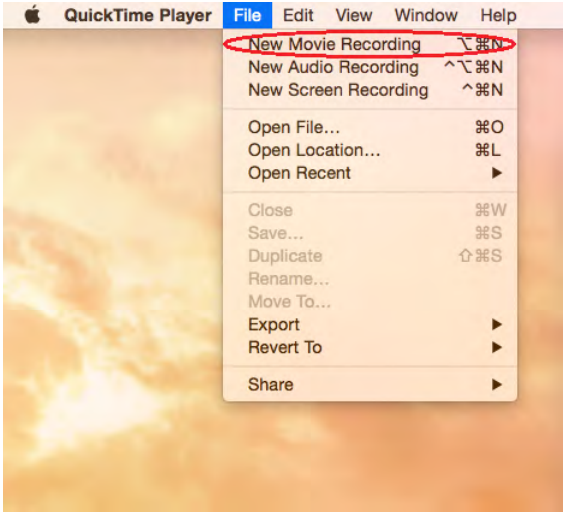
HDML-Cloner Pro Helper also supports recording videos at the scheduled time. Click to enter the ”Setup” window. Then click the ”Schedule Recording” button.



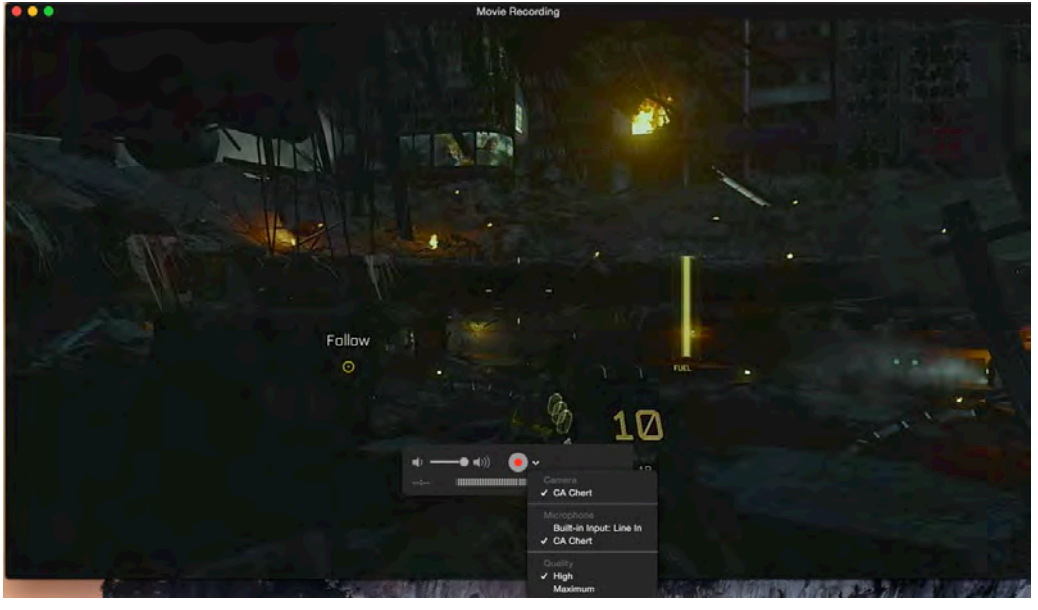
Please enable schedule recording first, and set the Start time and duration for schedule recording. Then click “OK”. Then videos will be recorded automatically at the scheduled time.

3.3 Record/Capture for Mac OS users

1. After all devices are connected properly, insert the video disc into the drive of the video player and launch Quick Time Player.



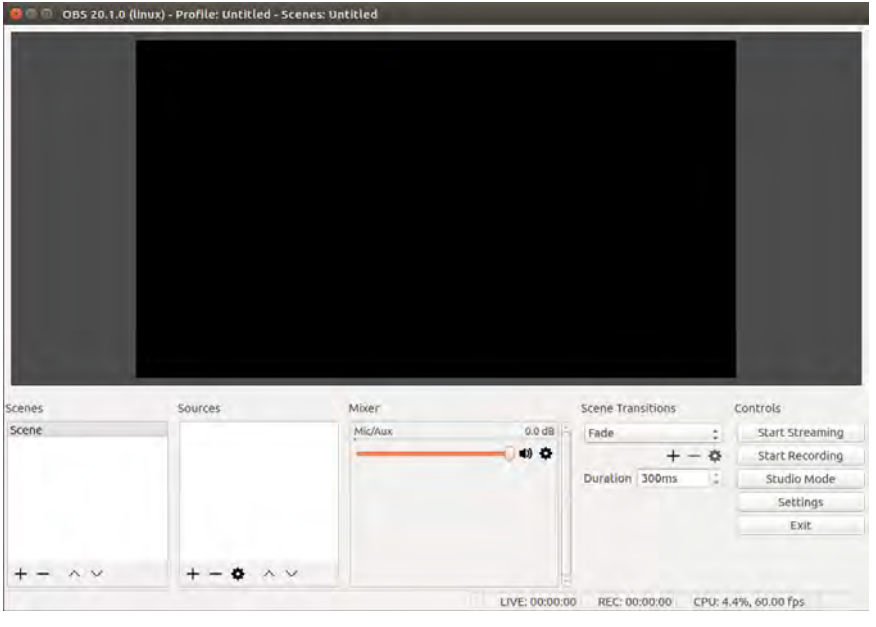
2. Set up Camera/Microphone/Quality as following:



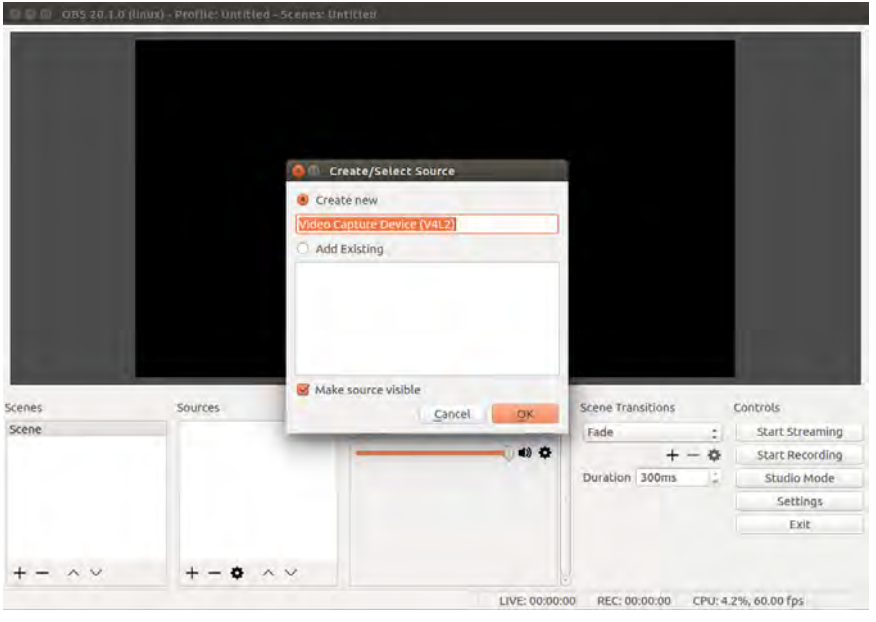
3. You can capture your movie now.

3.4 Record/Capture for Linux users

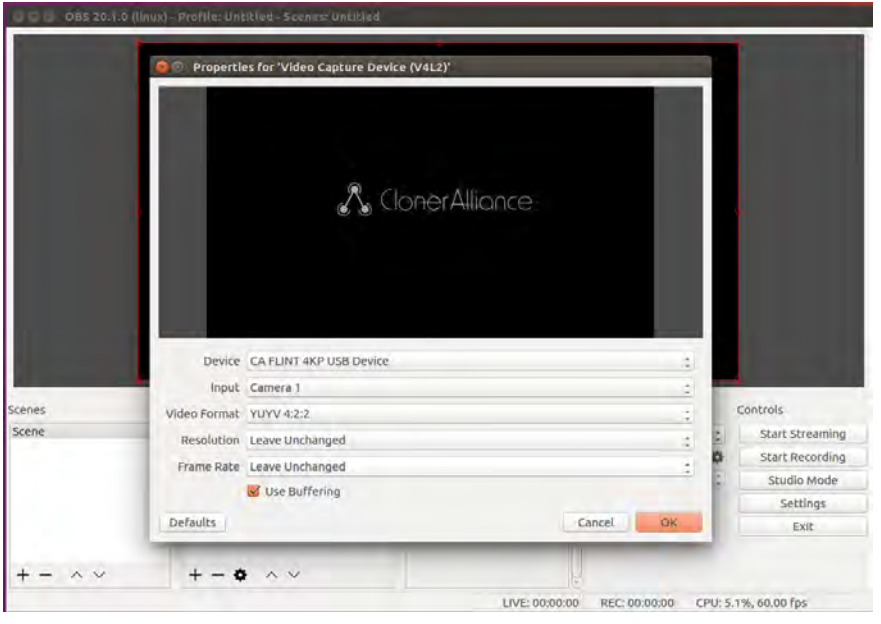
1. After all devices are connected properly, insert the video disc into the drive of the video player and launch OBS Studio software.



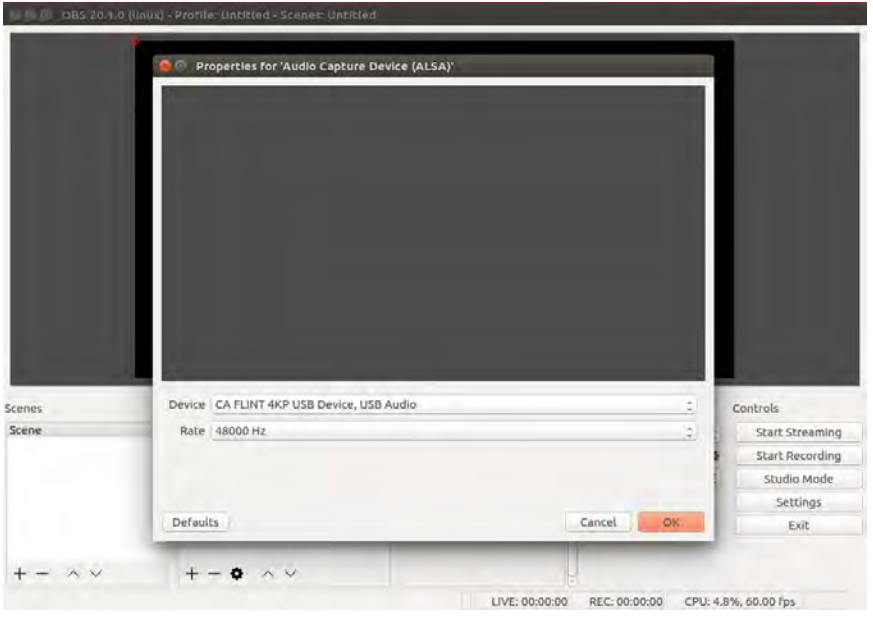
2. In source column, click “+” to add video capture device:



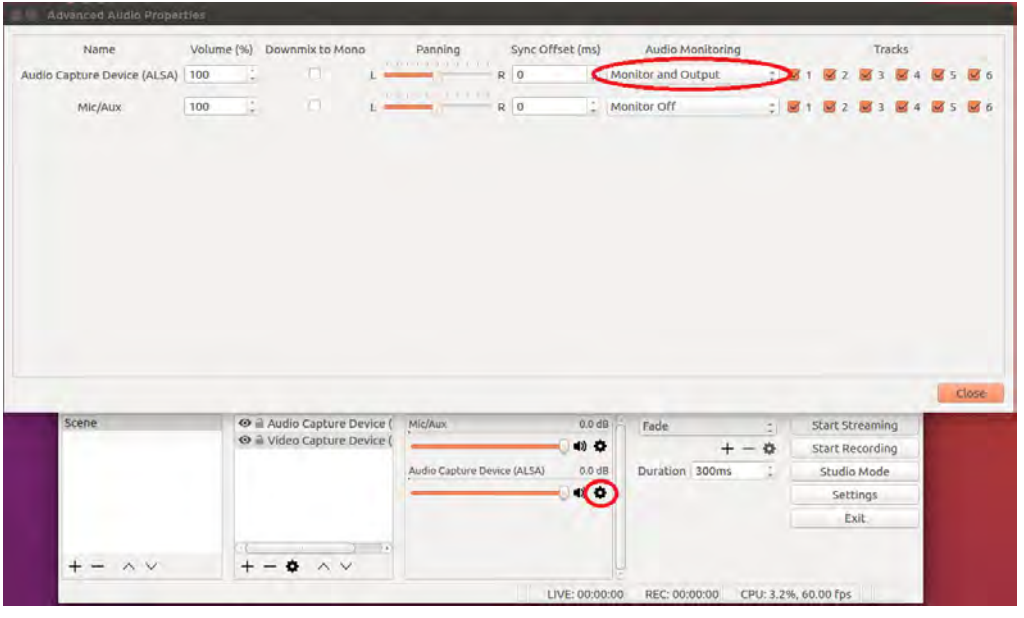
3. Please set up as following:



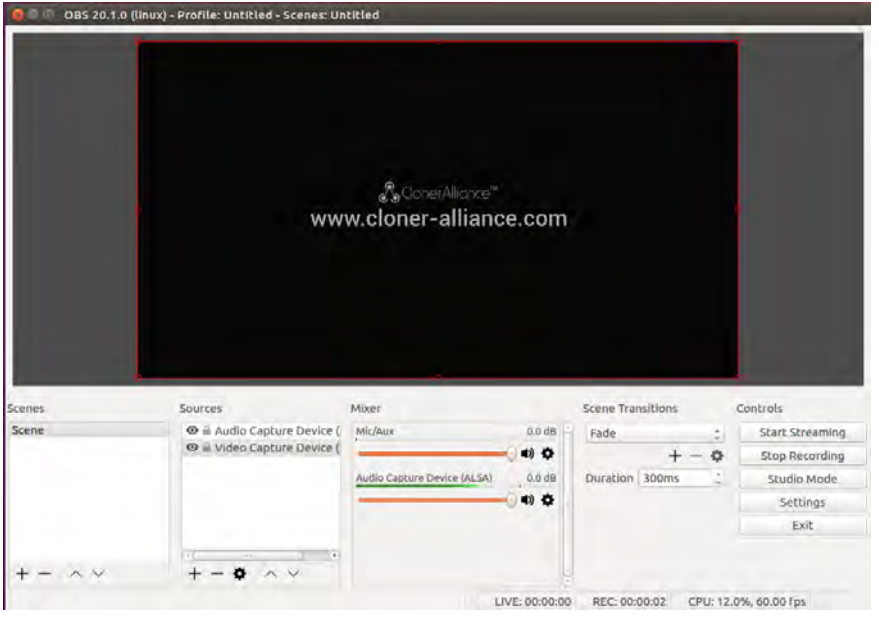
4. In source column, click “+” to add audio capture device:



5. If you need to monitor the audio during preview/recording, please also modify the settings in advanced audio properties:

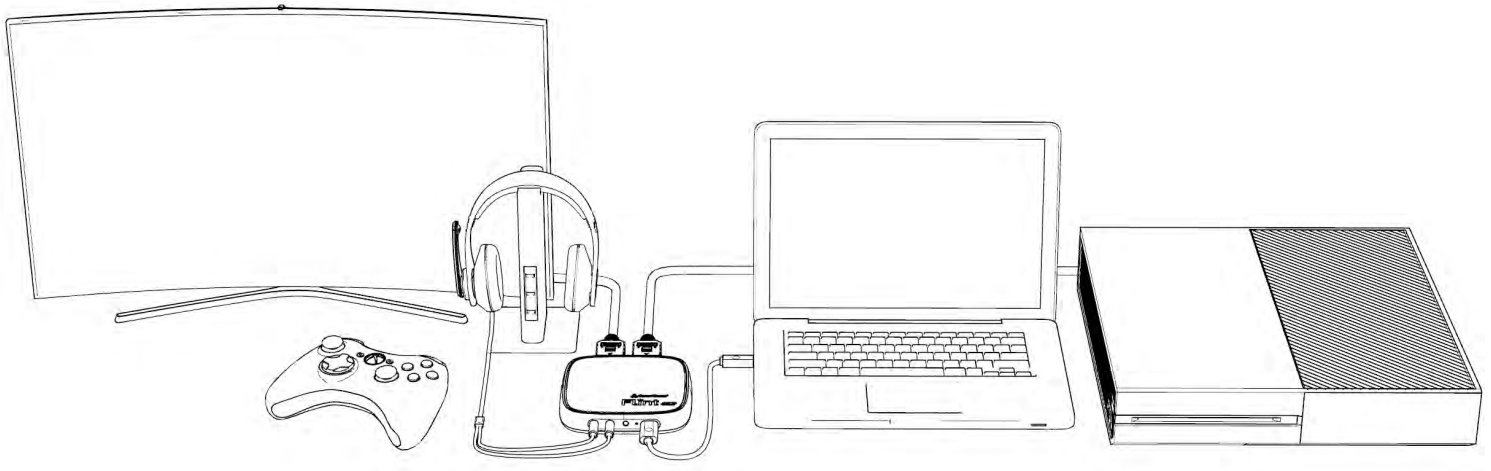


6. Now you can start recording and streaming.


OBS 20.1.0 (linux) - Profile: Untitled - Scenes: Untitled
ClonerAlliance™
www.cloner-alliance.com
Scenes
Scene
Sources
Audio Capture Device (
Video Capture Device (
Mixer
Mic/Aux
0.0 dB
Audio Capture Device (ALSA)
0.0 dB
Scene Transitions
Fade
Duration
300ms
Controls
Start Streaming
Stop Recording
Studio Mode
Settings
Exit
LIVE: 00:00:00
REC: 00:00:02
CPU: 12.0%, 60.00 fps

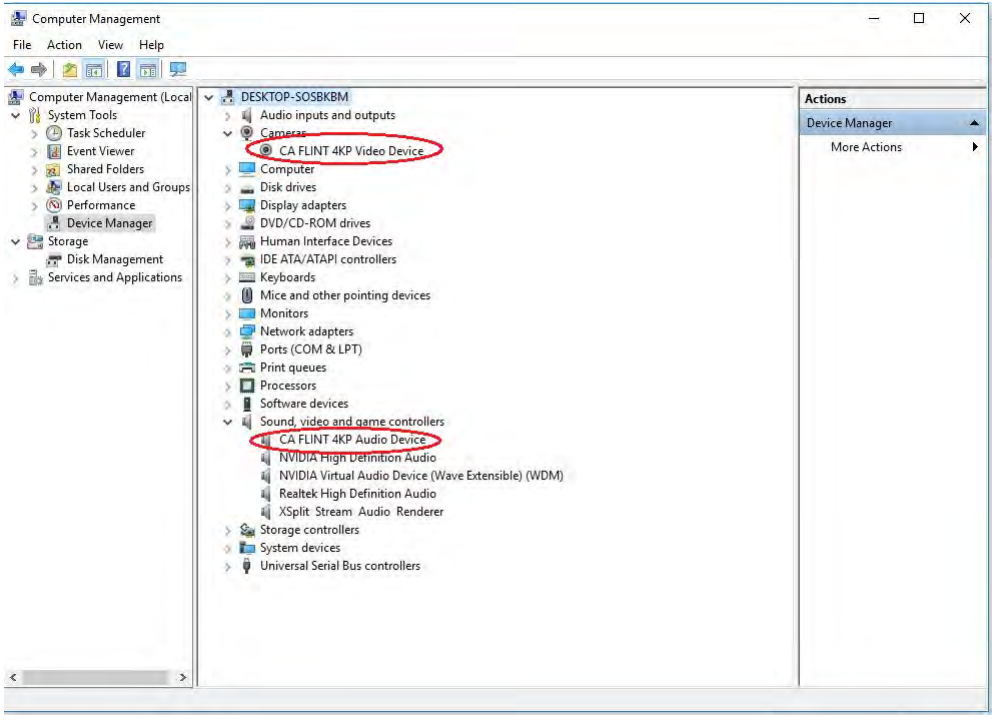
4.1 Connect

1. Connect the game console to the “IN” port on ClonerAlliance Flint 4KP via an HDMI cable.
2. Connect the TV to the “OUTPUT” port on ClonerAlliance Flint 4KP via an HDMI cable.
3. If you want to record your own voice and monitor it, you can connect headphone to the “Mic” port and “Line out” port on ClonerAlliance Flint 4KP. If not, just ignore this step.
4. Connect the USB3.0(male) to USB Type-C cable between ClonerAlliance Flint 4KP and PC.



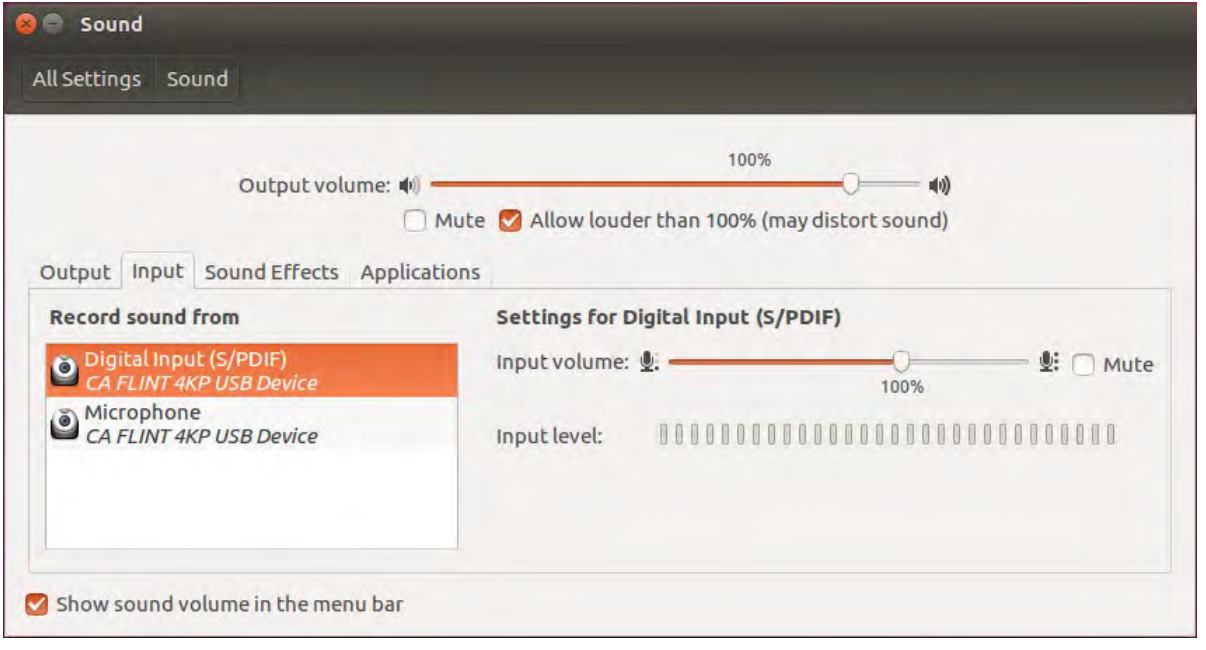
- For Windows

After all devices are connected properly, when you power on all devices, go to “Device manager”, it will show “CA Flint” under “Cameras” and “Sound, video and game controllers”:



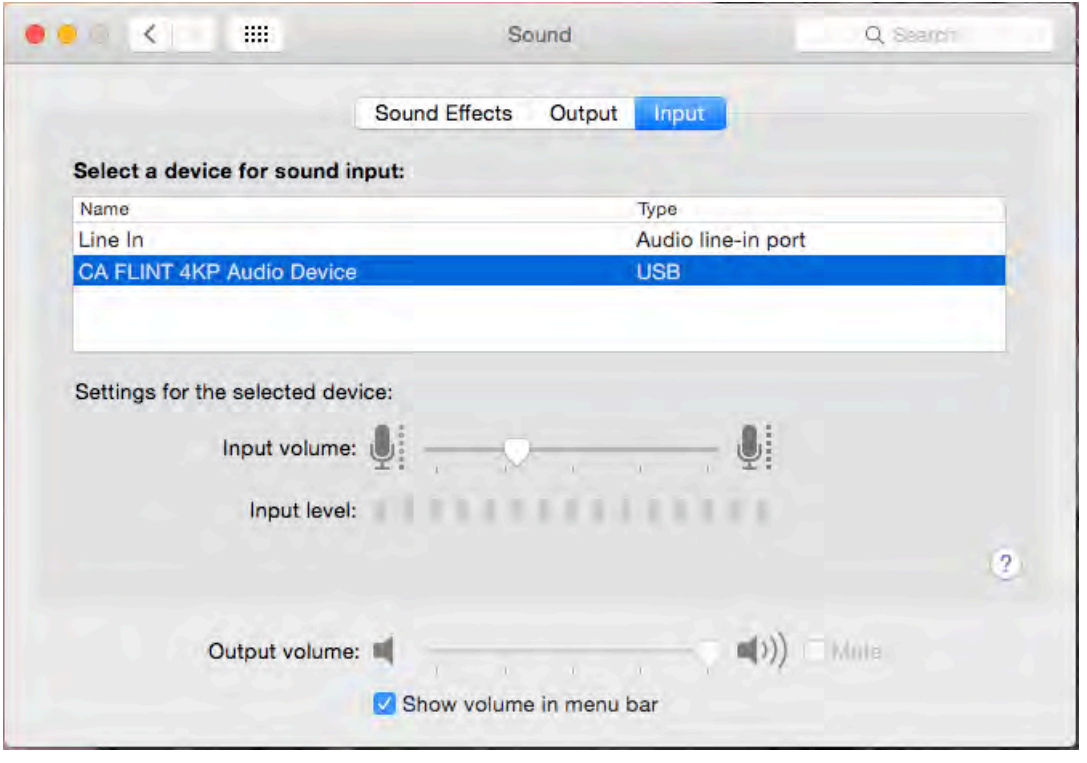
- For Linux

Connect ClonerAlliance Flint 4KP to PC via USB Type-C cable, go to the “Sound/Input”, it will show it as “CA FLINT 4KP USB Device” in the list.



- For Mac OS

Connect ClonerAlliance Flint 4KP to Mac, go to “Settings/Sound/Input” it also shows “CA FLINT 4KP Audio Device” among the list.


Sound
Search
Sound Effects
Output
Input
Select a device for sound input:
Name
Type
Line In
Audio line-in port
CA FLINT 4KP Audio Device
USB
Settings for the selected device:
Input volume:
Input level:
Output volume:
Mute
Show volume in menu bar

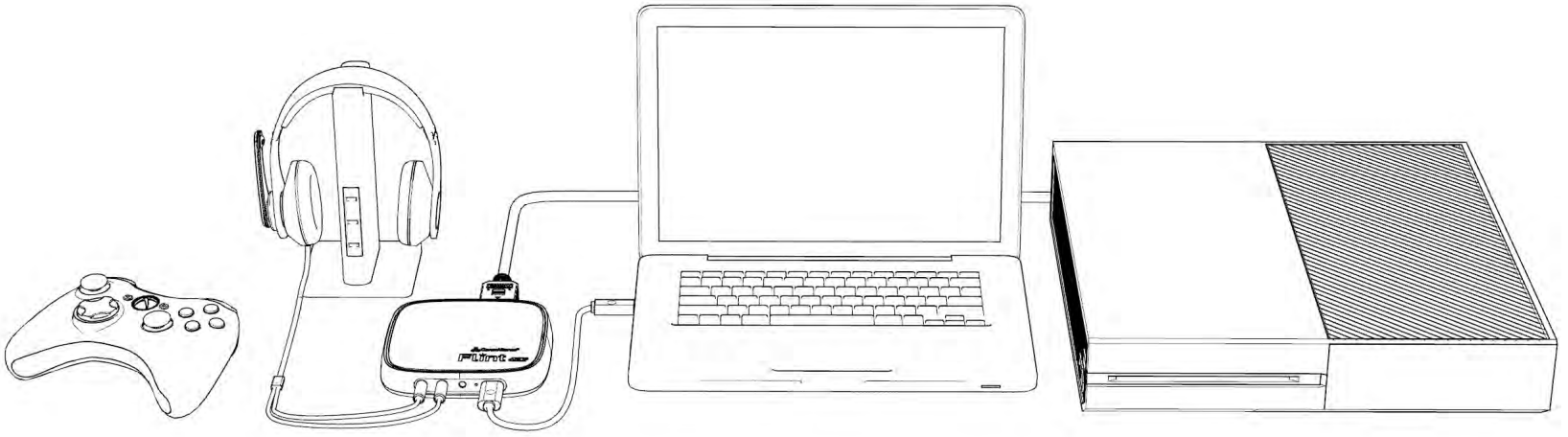
4.2 Record/capture game console videos to PC

You can see details about record/capture game console videos at *Record/capture videos to PC.*

PLAY GAME CONSOLE ON PC WITHOUT TV

With ClonerAlliance Flint 4KP, you can use your PC’ s screen to play game console. No TV required.

5.1 Connect



5.2 Play game console for Windows users

Function description:

It’s annoying there is no immediate reaction or delay when you press gamepad buttons in an exciting video games. In order to help ClonerAlliance customers get the best gaming experience in HDML-Cloner Pro Helper, our developers add a new viewing mode as ”Playing game mode”. Under the ”Playing game mode”, our software sets the “FPS” of ClonerAlliance Flint 4KP to the highest and selects the fastest “Picture Render Engine” automatically. Do you want to experience it now? Let’s get started.

Step 1:

Please download HDML-Cloner Pro Helper software and install it on your PC first.

See details about *Install and register HDML-Cloner Pro Helper (Windows Users)*

Step 2:

Please connect the USB Type-C cable of ClonerAlliance Flint 4KP to your PC.

Step 3:

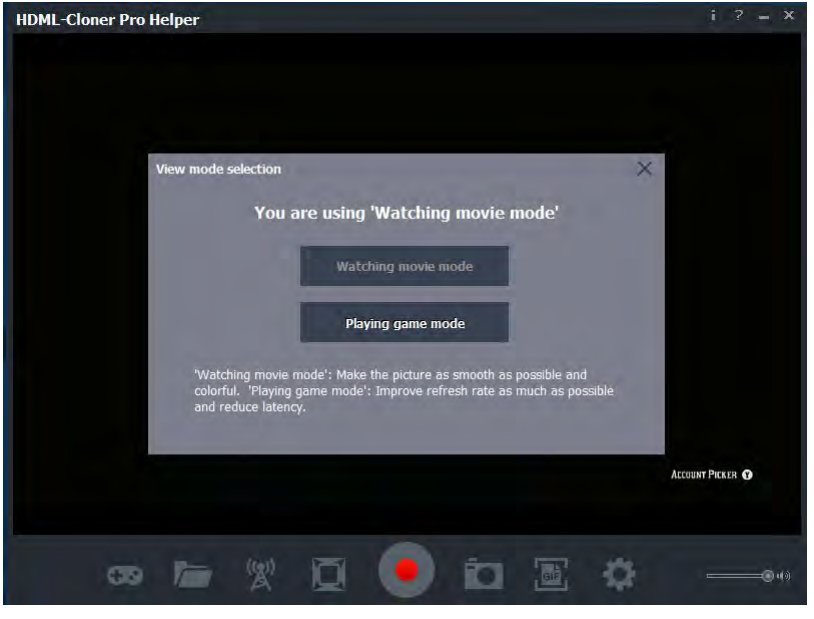
Please connect game console to the HDMI port of ClonerAlliance Flint 4KP with HDMI cable then power up the game console.

Step 4:

Launch HDML-Cloner Pro Helper software, it will recognize ClonerAlliance Flint 4KP device automatically and show the game console’ s screen after connected.

Step 5:

For the best gaming experience, it is recommended to click switch the viewing mode as ”Playing game mode”. In this mode, it will present ultra high flow and ultra low latency.

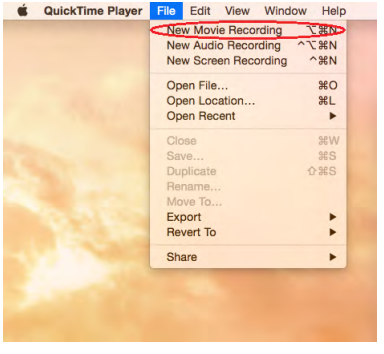


Note:

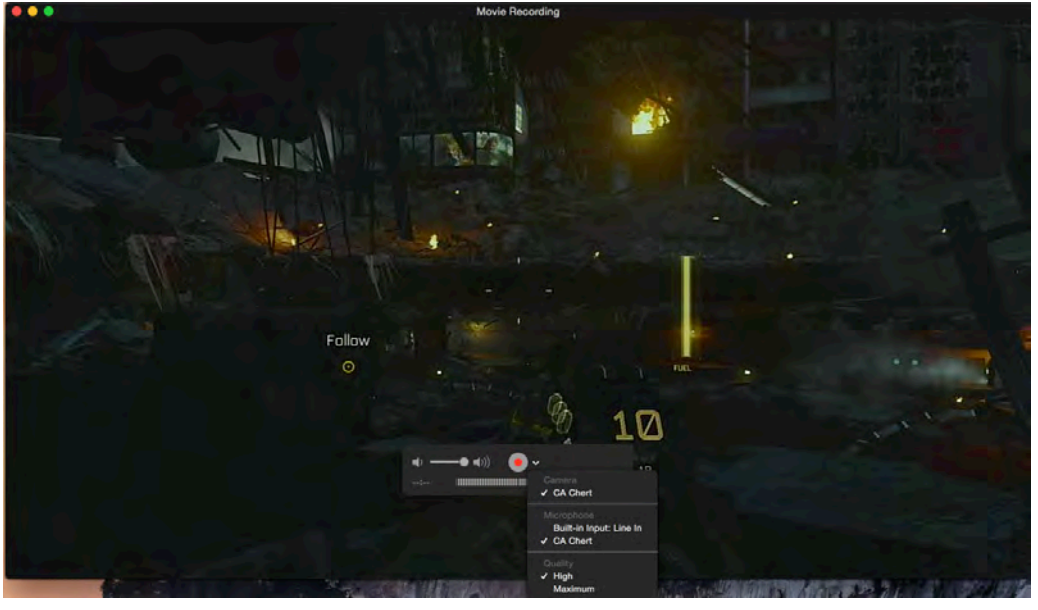
- ClonerAlliance Flint 4KP device supports up to 4K input resolution, and the output will be 1080p@60fps automatically.

5.3 Play game console for Mac OS users

1. After all devices are connected properly, insert the video disc into the drive of the video player and launch Quick Time Player.



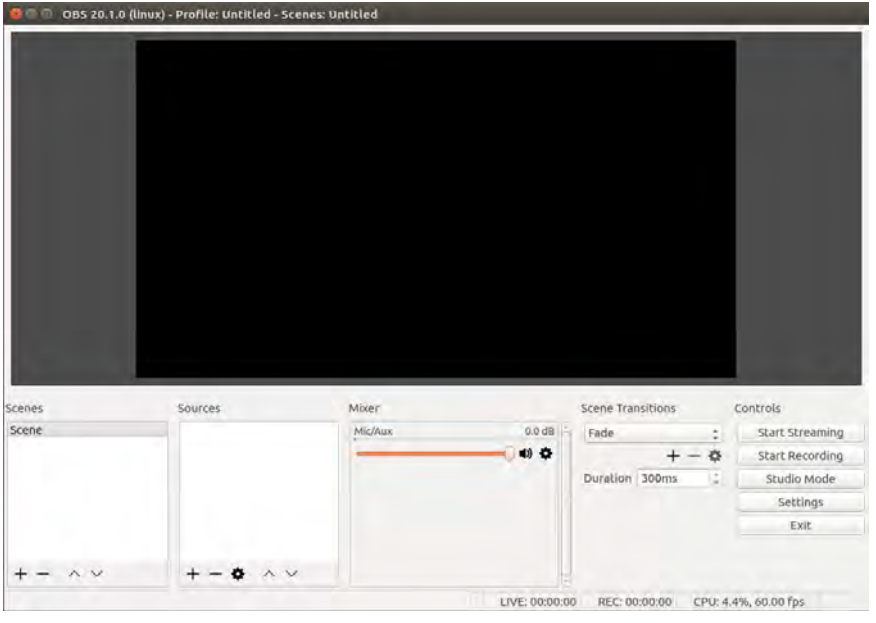
2. Please confirm the setting of Camera/Microphone/Quality as below.



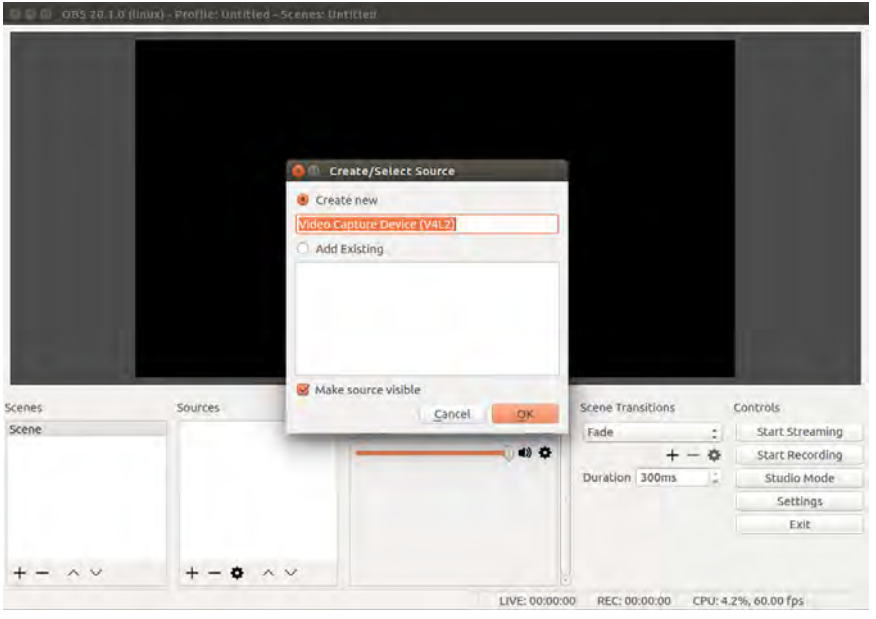
3. You can capture your game now.

5.4 Play game console for Linux users

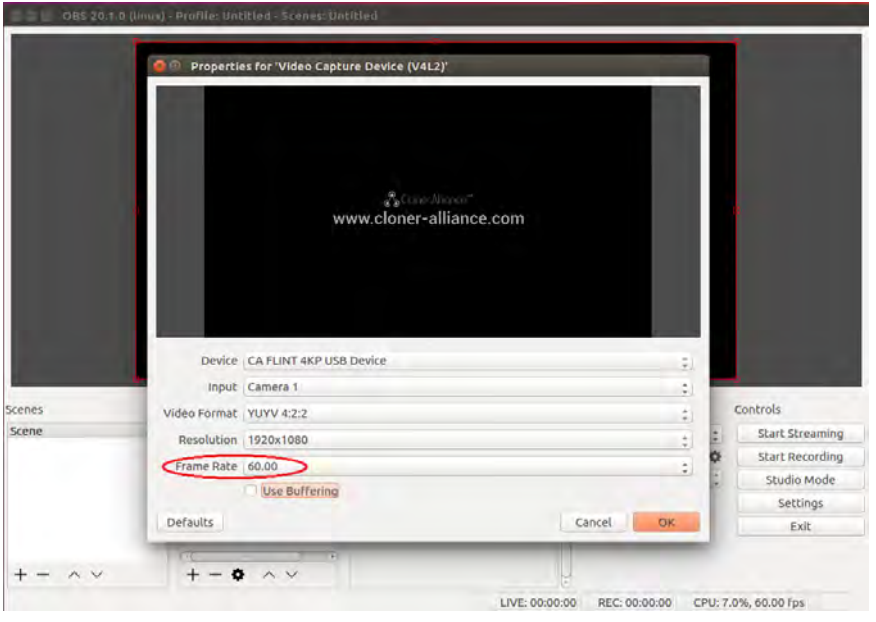
1. After all devices are connected properly, insert the video disc into the drive of the video player and launch OBS Studio software.



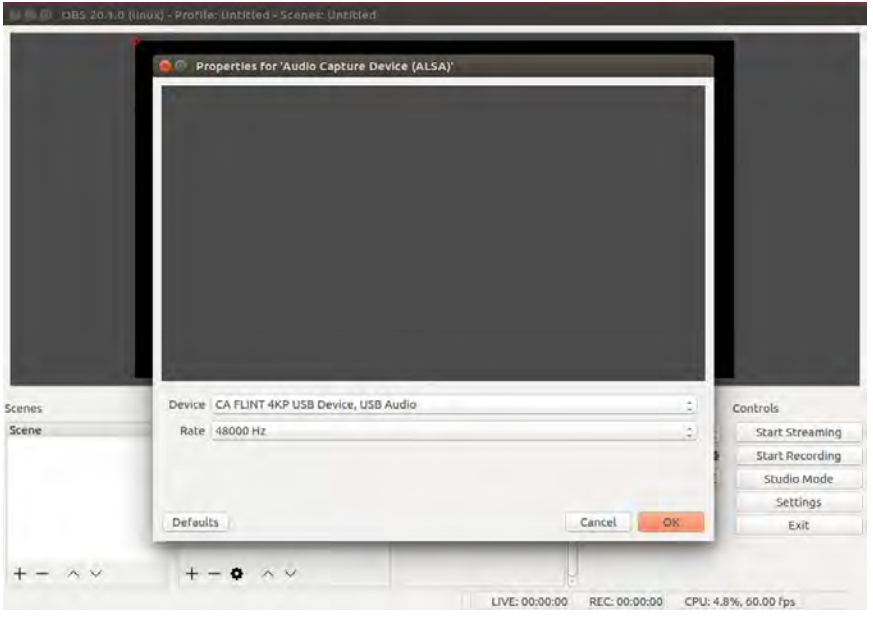
2. In source column, click “+” to add video capture device:



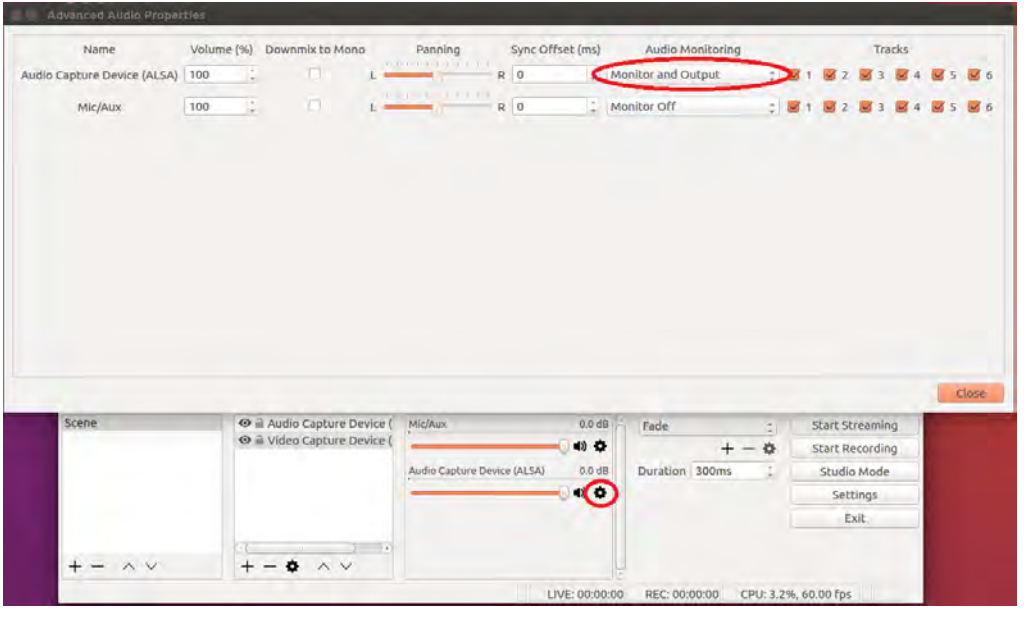
3. It’s recommended that to use 60pfs frame rate while game recording/streaming, please set up as following:



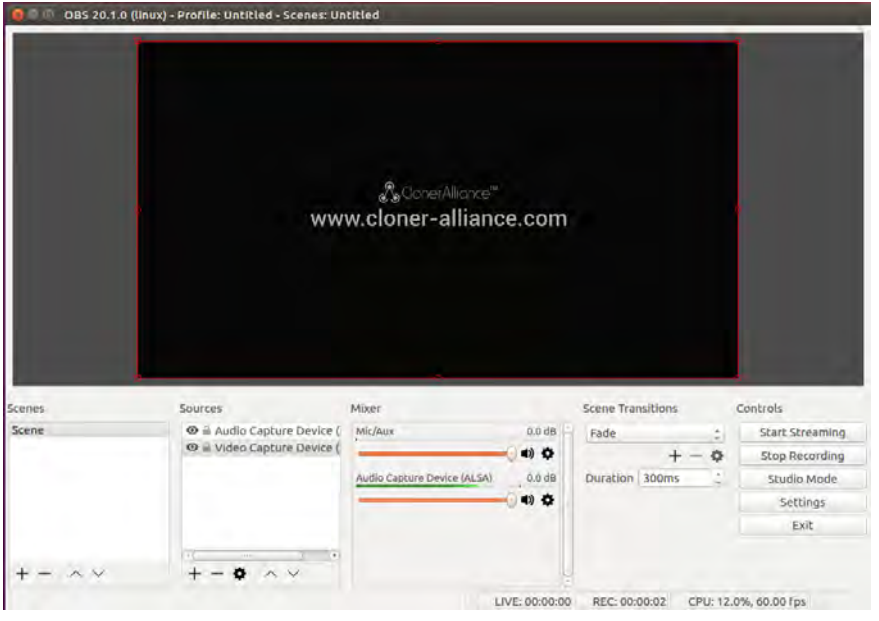
4. In source column, click “+” to add audio capture device:



5. If you need to monitor the audio during preview/recording, please also modify the settings in advanced audio properties:



6. Now you can start recording and streaming.


OBS 20.1.0 (linux) - Profile: Untitled - Scenes: Untitled
ClonerAlliance™
www.cloner-alliance.com
Scenes
Scene
Sources
Audio Capture Device (
Video Capture Device (
Mixer
Mic/Aux
0.0 dB
Audio Capture Device (ALSA)
0.0 dB
Scene Transitions
Fade
Duration
300ms
Controls
Start Streaming
Stop Recording
Studio Mode
Settings
Exit
LIVE: 00:00:00
REC: 00:00:02
CPU: 12.0%, 60.00 fps

- System Requirements

Android version 7.0 or above

6.1 Connect

1. Connect the video player to the “IN” port on ClonerAlliance Flint 4KP via an HDMI cable.
2. Connect ClonerAlliance Flint 4KP to Android phone with the USB2.0(female) to USB Micro-B OTG cable or USB type-A to type-C connector.

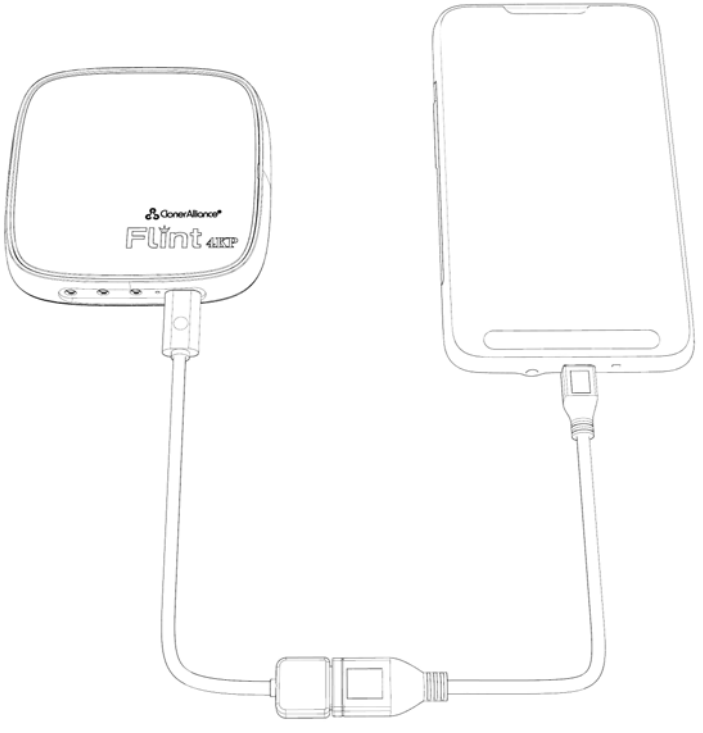
- For USB Type-C socket phone:

Please plug USB Type-C cable directly to your Android Phone.

ClonerAlliance
Flint 4KP

- For USB Micro-B socket phone:

Please use USB Type-C (female) to USB (male) connector and Micro-B cable to connect to your Android phone.



6.2 Record/Capture with ClonerAlliance App

Step 1:

Please connect source device properly.

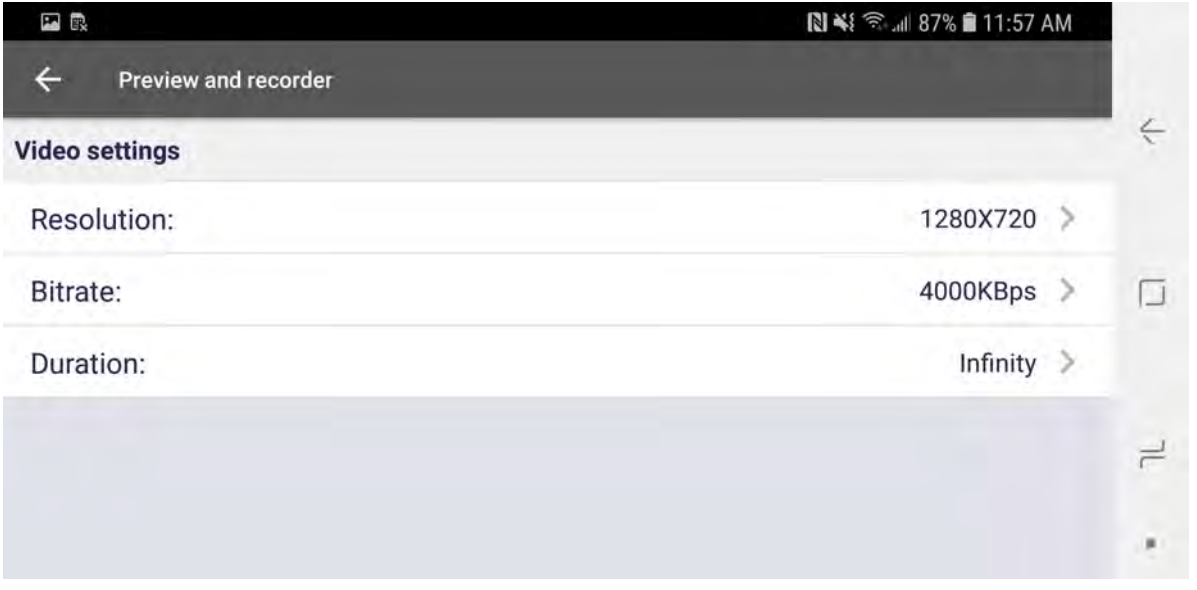
Step 2:

Please install Cloner Alliance APP on your phone and launch it after finishing installation. It will display source video on your phone.

Step 3:

Set up resolution, bitrate and duration (short video capture) by tapping Settings and go in Video capture menu as fol-

lowing picture shows:



Video Capture

- Resolution: 1920*1080; 1280*720; 720*480
- Bitrate: 100KBps-10000KBps
- Duration: 3min to infinity

Step 4:

Tap then

to record video as configured in ”Preview and recorder” and tap to stop recording (short video will stop automatically as duration configured).

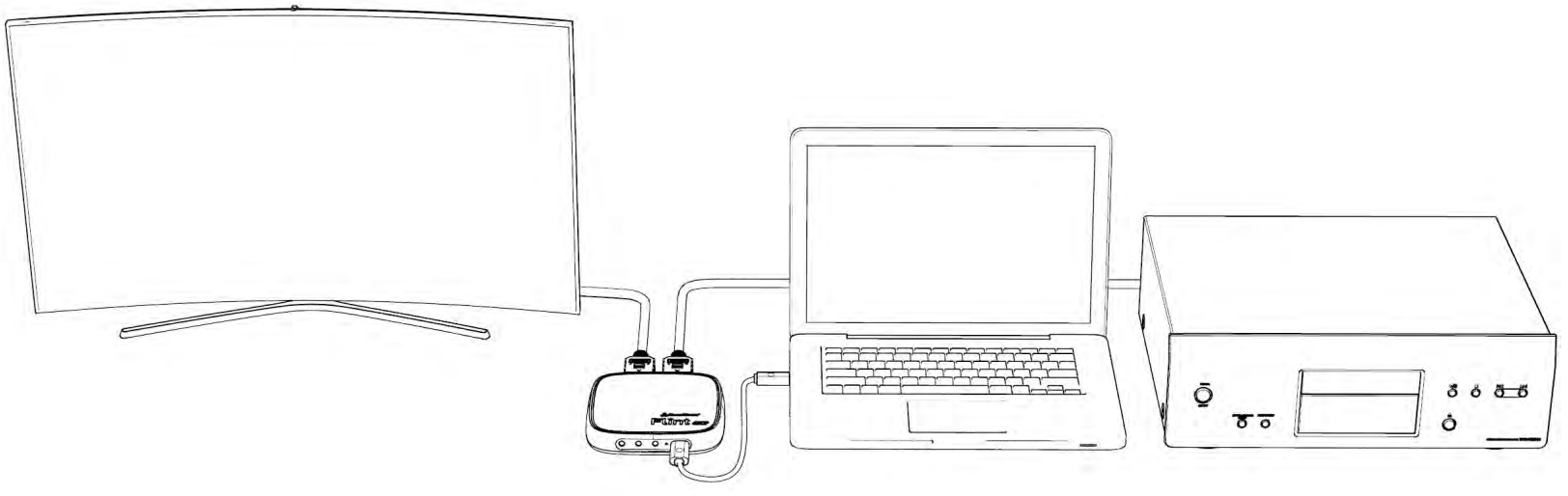
Step 5:

Tap to check all files have been saved.

PREVIEW VIDEOS FOR LIVE STREAMING.

You can use ClonerAlliance Flint 4KP in OBS Studio to preview/record/livestream videos, which is a popular open source software for video recording and live streaming.

7.1 Connect



1. IN: Connect an HDMI cable between the source video player and ClonerAlliance Flint 4KP.
2. Connect the TV to the “OUTPUT” port on ClonerAlliance Flint 4KP via an HDMI cable.
3. Connect the USB3.0(male) to USB Type-C cable between ClonerAlliance Flint 4KP and PC.
4. LED Indicator: Stable Blue indicates ClonerAlliance Flint 4KP is in working mode.

7.2 Install software

If you want to use OBS to preview/record/livestream videos via ClonerAlliance Flint 4KP, you need to install both HDML-Cloner Pro Helper and OBS Studio first.

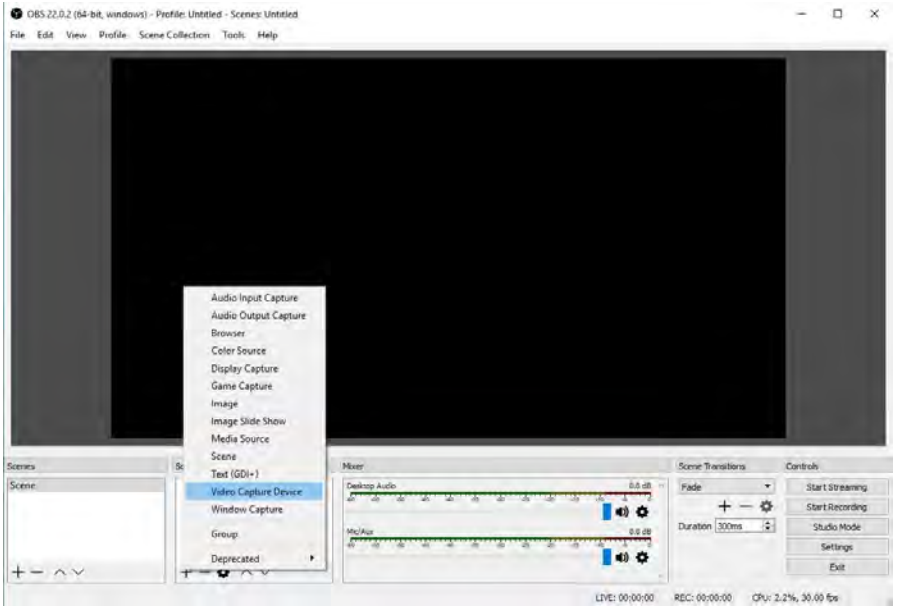
See details about *Install and register HDML-Cloner Pro Helper (Windows Users)*

See details about *Install OBS Studio (Windows, Mac, and Linux Users)*

7.3 Setting for preview video

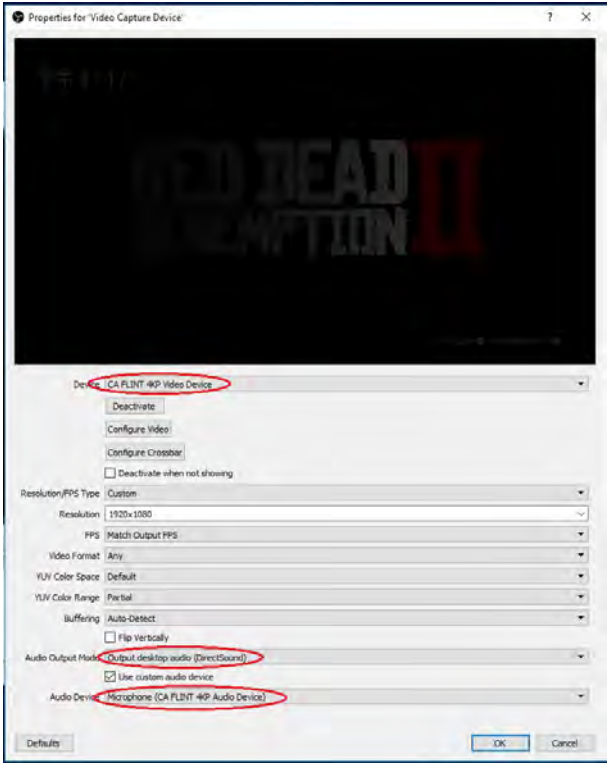
Step 1:

Launch OBS Studio software on PC, Click “+” icon under “Sources” window, and select “Video Capture Device”:



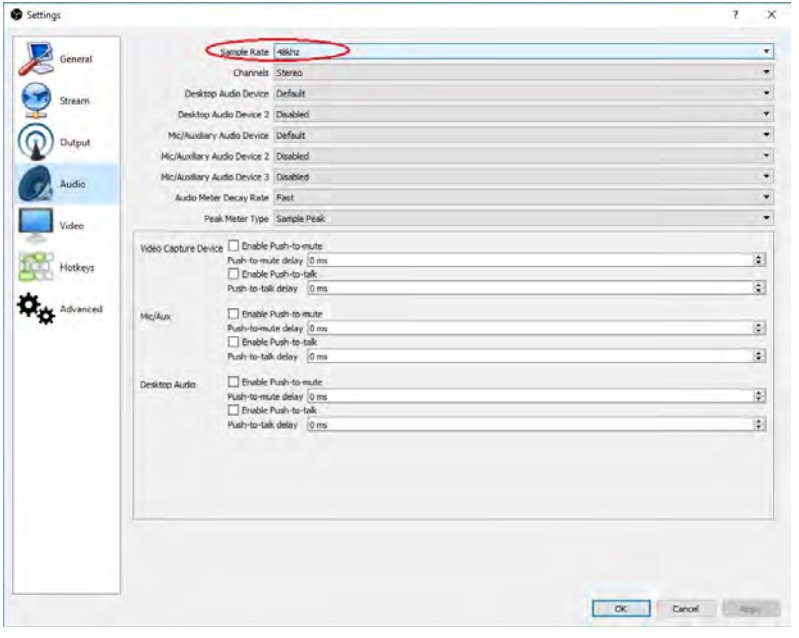
Step 2:

Select “CA FLINT” in the drop box next to “Device” and at Set Audio Output Mode, please select “Output desktop audio (DirectSound), Audio Device to “CA FLINT”:



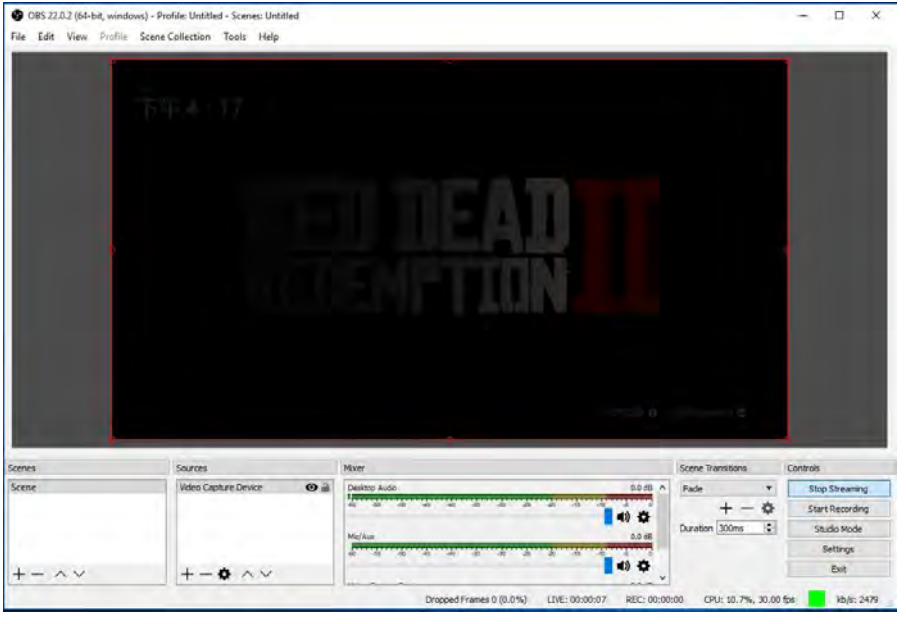
Step 3:

Please make sure the “Sample rate” in “Audio” settings is set to “48KHz”.



Step 4:

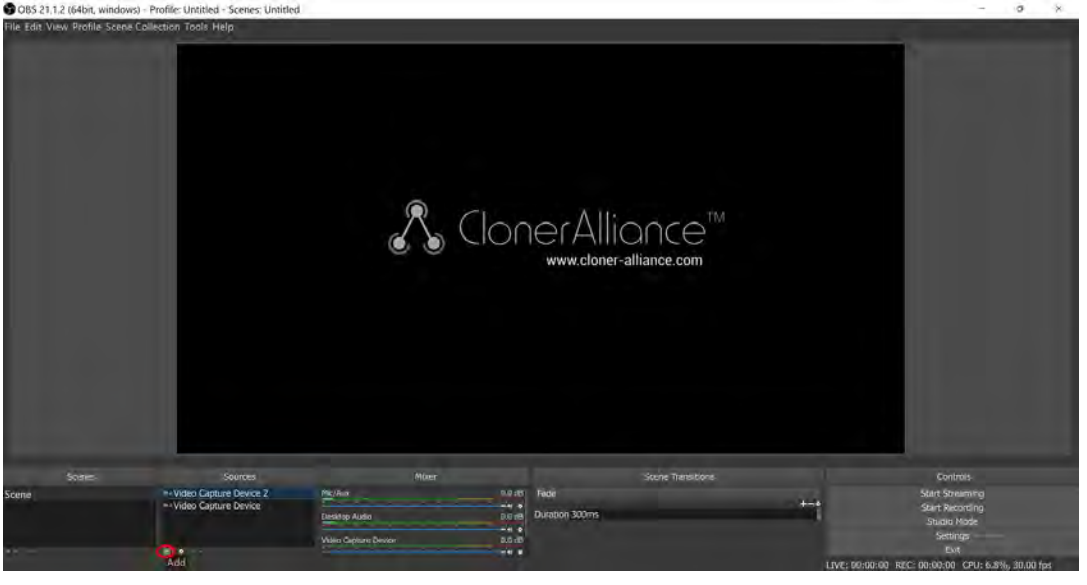
Then you can start recording or streaming video:

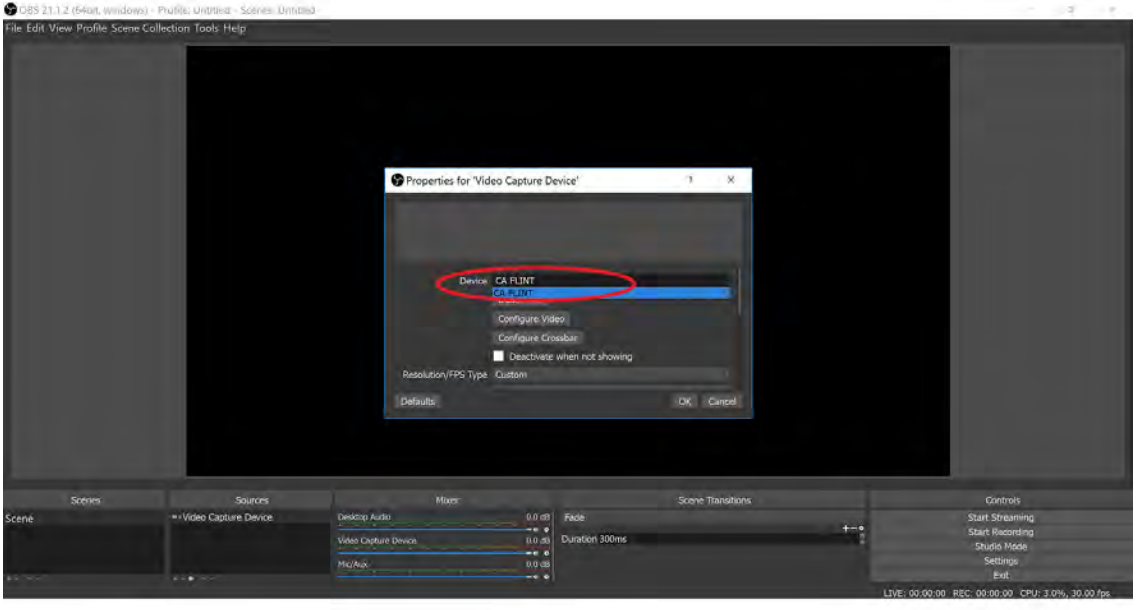

OBS 22.0.2 (64-bit, windows) - Profile: Untitled - Scenes: Untitled
File Edit View Profile Scene Collection Tools Help
Scenes
Scene
Sources
Video Capture Device
Mixer
Desktop Audio
Mic/Aux
Scene Transitions
Fade
Duration 300ms
Controls
Stop Streaming
Start Recording
Studio Mode
Settings
Exit
Dropped Frames 0 (0.0%)
LIVE: 00:00:07
REC: 00:00:00
CPU: 10.7%, 30.00 fps
kb/s: 2479

You can visit https://www.cloner-alliance.com/faq.html at any time to view latest technical questions and answers.

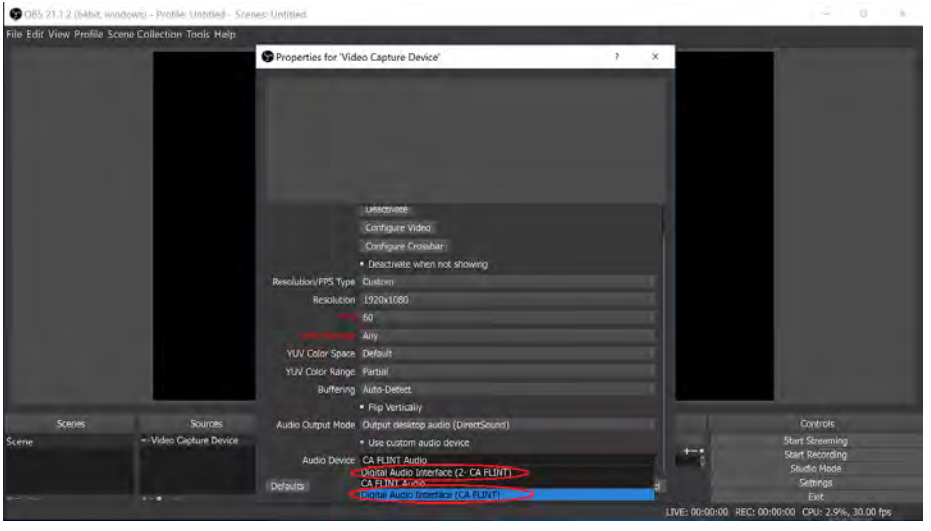
Can I use multiple ClonerAlliance Flint 4KP devices on one PC at the same time?

Sure, both bundled software HDML-Cloner Pro Helper and OBS studio can support multiple ClonerAlliance Flint 4KP devices working on one PC at the same time, you just need to add and select devices individually as following:





You can easily distinguish each device through video preview window.



And you can select an audio device for each video capture device based on the insertion order.

Does ClonerAlliance Flint 4KP Need Extra Power Supply?

No, ClonerAlliance Flint 4KP can be powered by USB port with PC.

Can I Watch The Videos On My TV When I Use ClonerAlliance Flint 4KP To Record The Videos?

Yes. ClonerAlliance Flint 4KP can pass-through HDMI video signal out to TV while recording video. You can enjoy watching

video without interruption.

What if my phone or PC doesn’ t have an USB micro-B socket?

Don’ t worry, there is a USB2.0(female) to USB Micro-B OTG cable included in the package, you can use it to connect to your Android phone.

Why Does It Only Have Sound But No Video After Switching Back To Preview Screen With ClonerAlliance Flint 4KP?

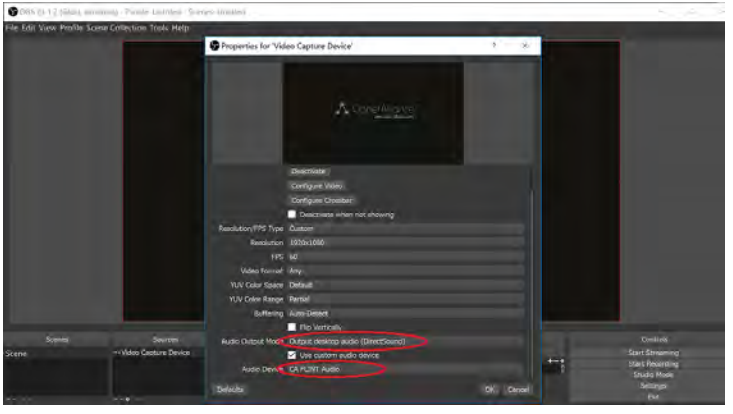
Please use a USB Hub to provide power supply for ClonerAlliance Flint 4KP independently, then it will work well.

Why Is There No Audio When Running Open Broadcaster Software(OBS) With ClonerAlliance Flint 4KP?

Please adjust the setting of OBS accordingly, it could be resolved easily.

Please proceed as follows:

At Set Audio Output Mode, please select “Output desktop audio (DirectSound), Audio Device to “Microphone(CA FLINT 4KP Audio Device)”, then click “OK”:



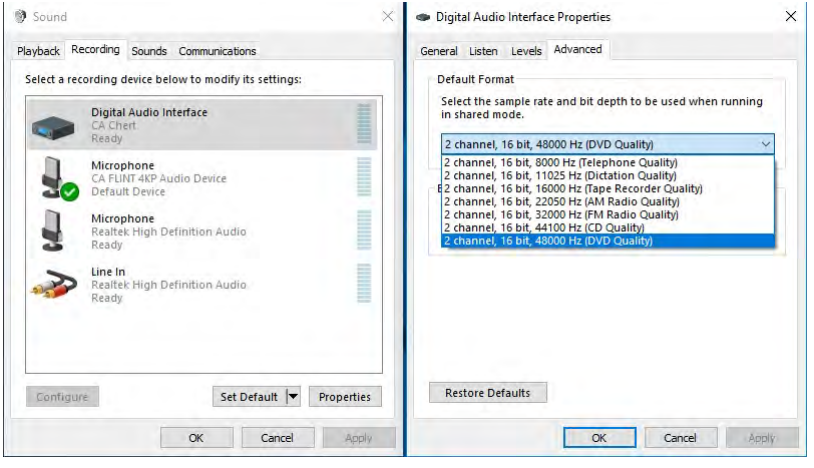
How to deal with PC doesn’ t recognize ClonerAlliance Flint 4KP device?

Please change another USB port and re-plug in, it’ ll help.

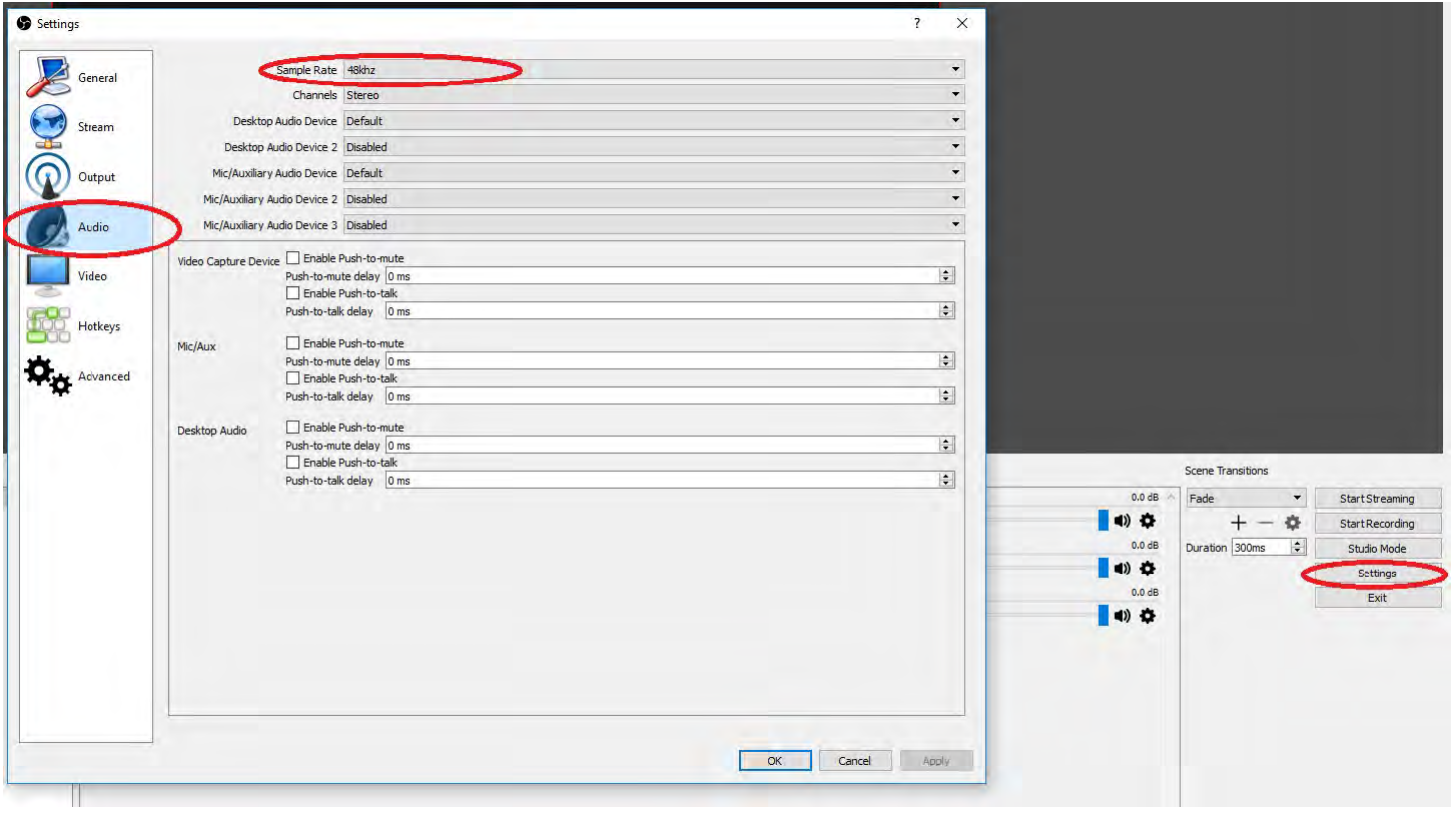
Why are audio and video out of sync when I use OBS studio with ClonerAlliance Flint 4KP?

Please set up as following and it will perform normally.

First, please set CA Chert sample rate as 48KHz.



And please make sure sample rate in OBS Studio is also set to 48KHz.



If your video and audio are still not synchronized, please adjust video delay value in “Source-filter-Video delay(Async)” around 470ms according to your circumstance.

Input and Output	1920x1080 640x480, 720x480, 720x576, 800x600, 1024x768, 1280x720, 1280x1024, 600x1200, 1920x1080, 3840x2160(60HZ, 30HZ, 24HZ), 4096x2160(60HZ)
Recording	Up to 60 fps @ 1920x1080
Output format	MJPEG,YUY2
Video standard (input)	NTSC, PAL
Input signal	HDMI, Line in
Output signals	HDMI (pass-through), USB Type-C, Line out
Max transmission bitrate	2Gbps
Bitrate	Max: 140Mbps
Weight	2.6 oz
Dimensions	3.5 x 2.5 x 0.6 inches

ClonerAlliance Inc. provides 60-Day No Hassle Return(No Additional Fee) and 2-Year Replacement Warranty Service for all hardware. Please rest assured to use ClonerAlliance products.

If you encounter any problem when using our products, please contact us by support@cloner-alliance.com or call 1-844-9-CLONER (toll free) and we will serve you with utmost satisfaction.

We'll offer a satisfying discount on batch purchase and affiliate program. If you are interested, please contact us by market@cloner-alliance.com.

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