



# ClonerAlliance Chert 4KC User Manual



# **ClonerAlliance Chert 4KC User Manual**

This documentation describes how to use ClonerAlliance Chert 4KC (Model: CA-10804KC) device.

## **Copyright Notice**

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## **Documentation Version 1.1**

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## **Trademarks**

HDML® is a registered trademark of ClonerAlliance® Inc.

# Safety Notices

**Before using ClonerAlliance Chert 4KC, please ensure that you read and understand the safety precautions below:**

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



# HDCP



## **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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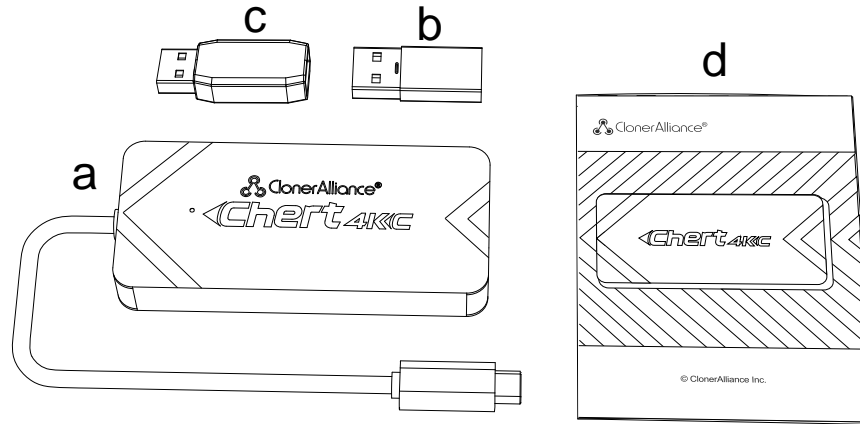
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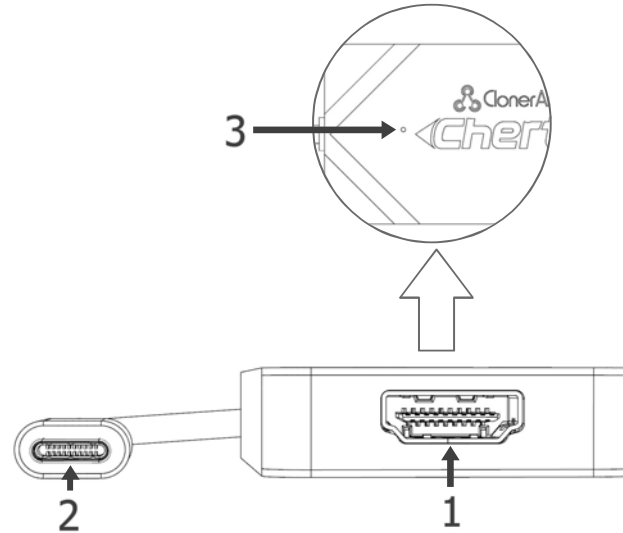
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## 1.1 Box Contents



- a. ClonerAlliance Chert 4KC
- b. USB Type-C to USB Type-A connector
- c. USB 2.0 female to male connector
- d. User Manual

## 1.2 Product Diagram



1. INPUT: HDMI input interface. Connect an HDMI cable between the source video player and ClonerAlliance Chert 4KC.
2. USB Type-C: Connect ClonerAlliance Chert 4KC to PC via the USB Type-C cable.
3. LED indicator: Stable Green indicates ClonerAlliance Chert 4KC is in working mode.



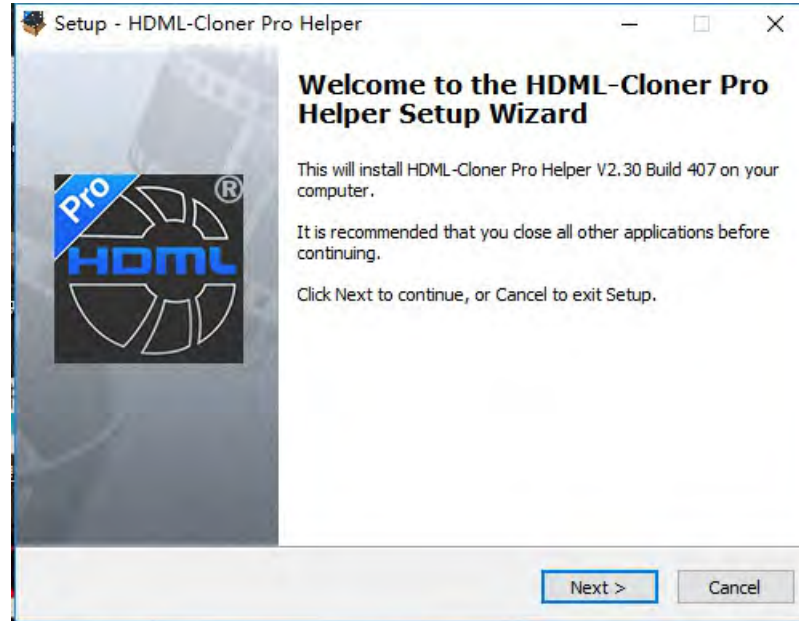
# SOFTWARE INSTALLATION

## 2.1 Install and register HDML-Cloner Pro Helper

### 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 Chert 4KC.

- 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.

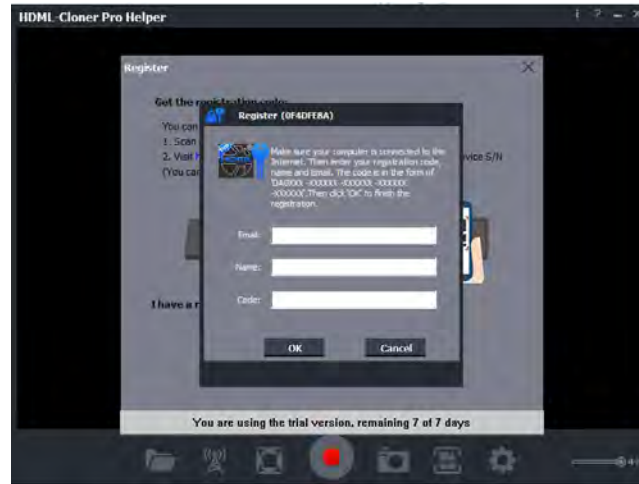


**Note:** Prior to installing HDML-Cloner Pro Helper, please make sure you are using Windows 7 or later versions and your PC is equipped with USB 2.0 or 3.0 port.

## 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.

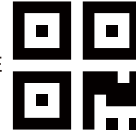
Scan the QR code below to get the code directly. Or visit <https://www.cloner-alliance.com/register>, fill in your product S/N. You will get a registration code directly. It is advised that you input your correct email address to receive the registration code at the same time. You may use the registration 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](mailto:support@cloner-alliance.com) with your S/N and your order ID. Our support will send you the code directly.



(a)  
[Click.Here](#)

**Do not miss out**  
Scan QR code to  
register and get FREE  
bundled softwares.



[www.cloner-alliance.com/register](http://www.cloner-alliance.com/register)



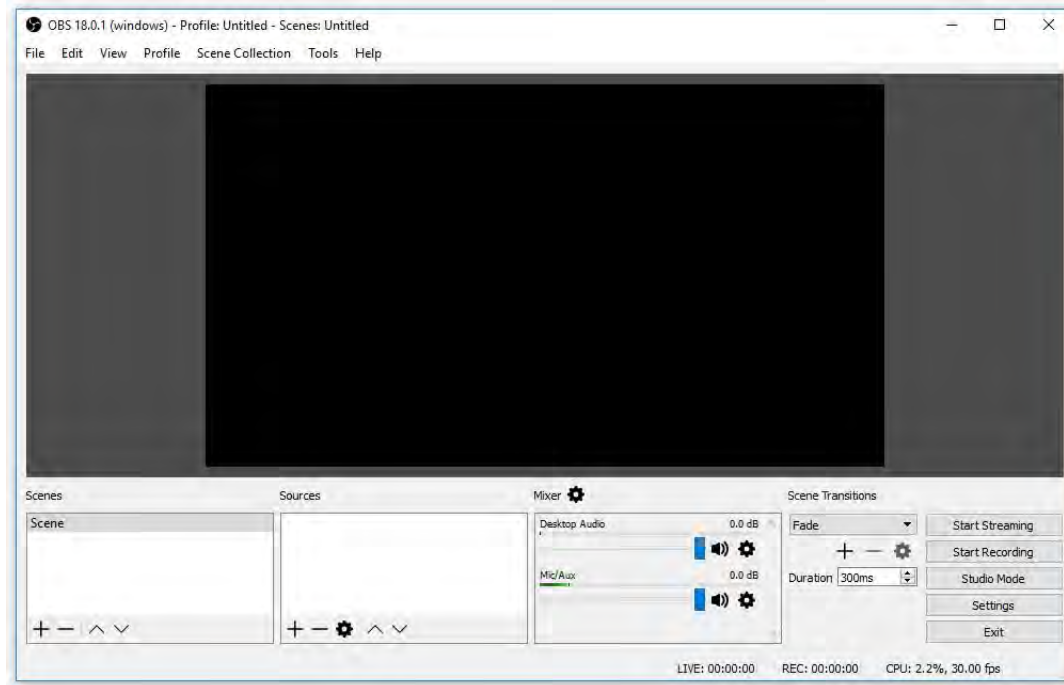
S/N:CKXXXXXXXXX

For more details about registering HDML-Cloner Pro Helper, visit [here](#) to read step by step instructions.

## 2.2 Install OBS Studio

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

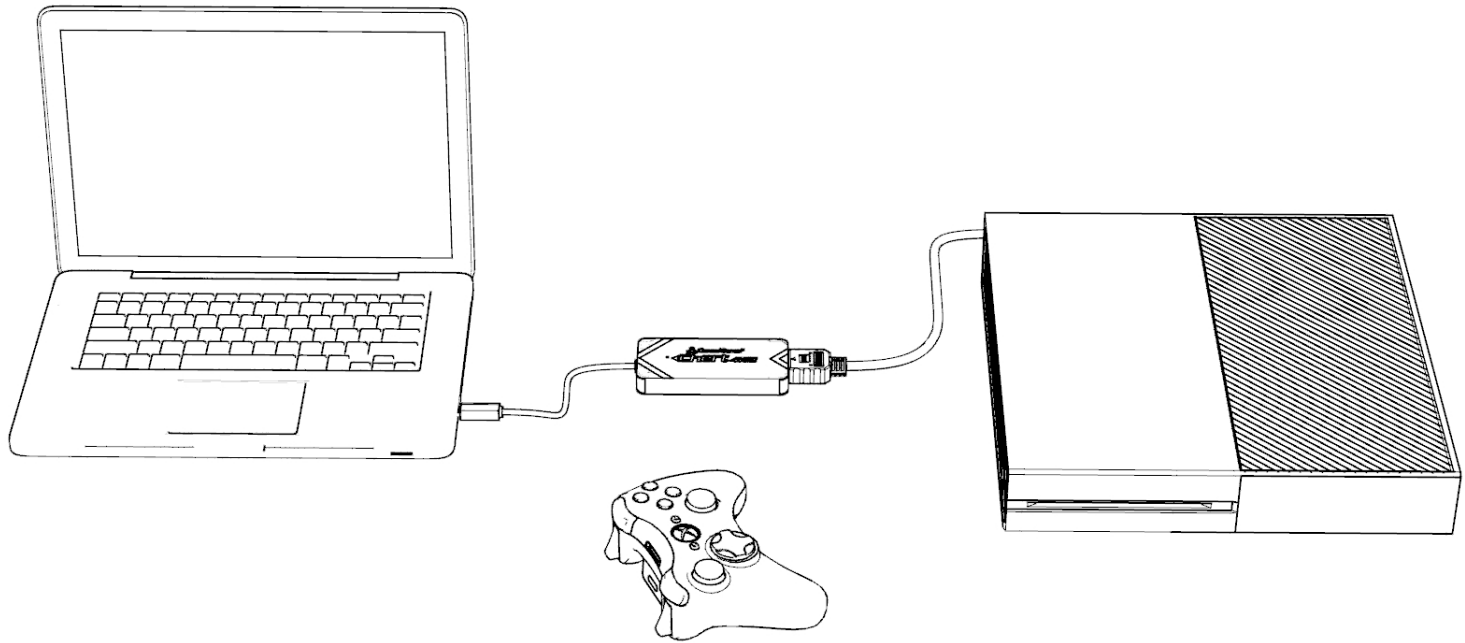
**Tip:** You can click [here](#) to download Open Broadcaster Software (OBS Studio).



# PLAY GAME CONSOLE ON PC WITHOUT TV

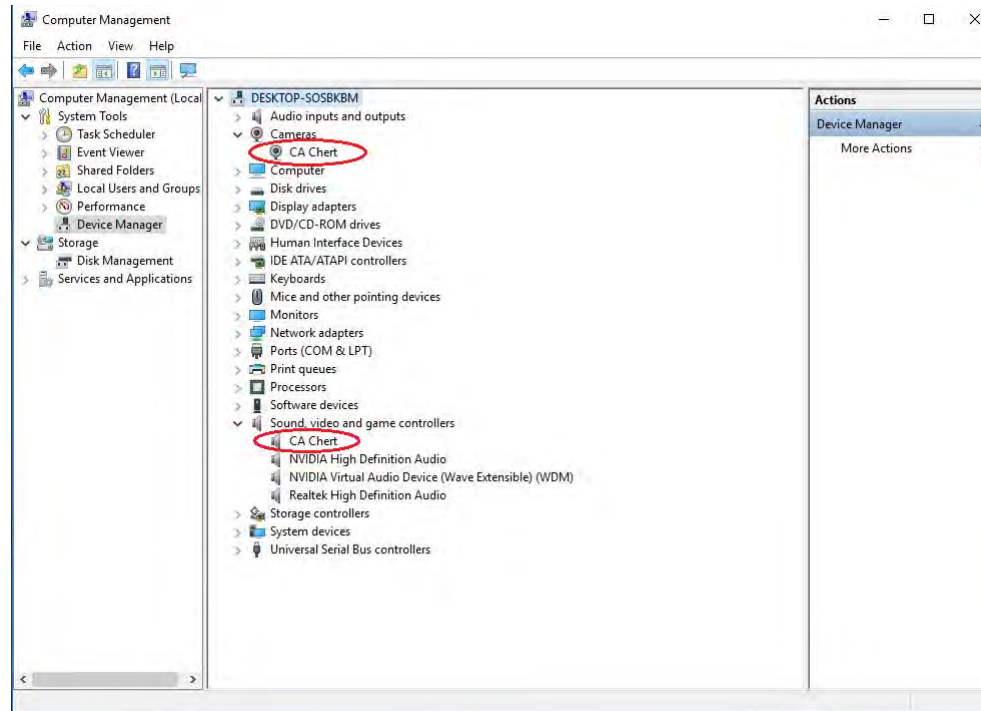
## 3.1 Connection Guide

1. Connect the game console to the “INPUT” port on ClonerAlliance Chert 4KC via an HDMI cable.
2. Connect ClonerAlliance Chert 4KC to PC with the USB Type-C cable.



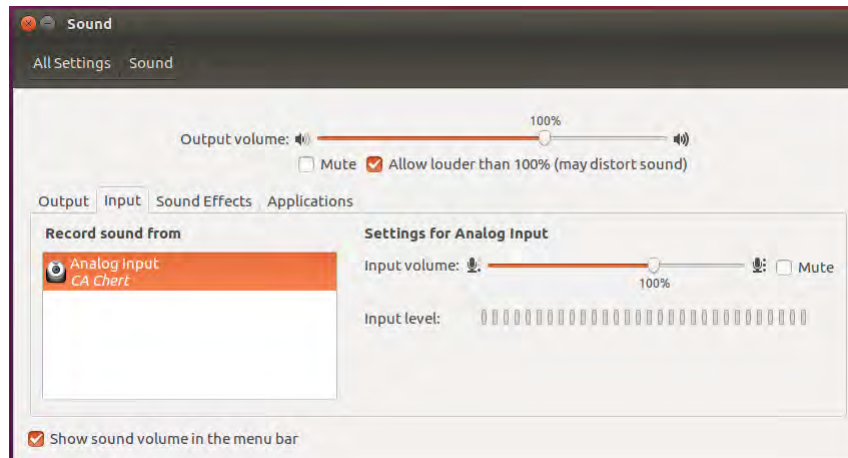
- For Windows

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



- For Linux

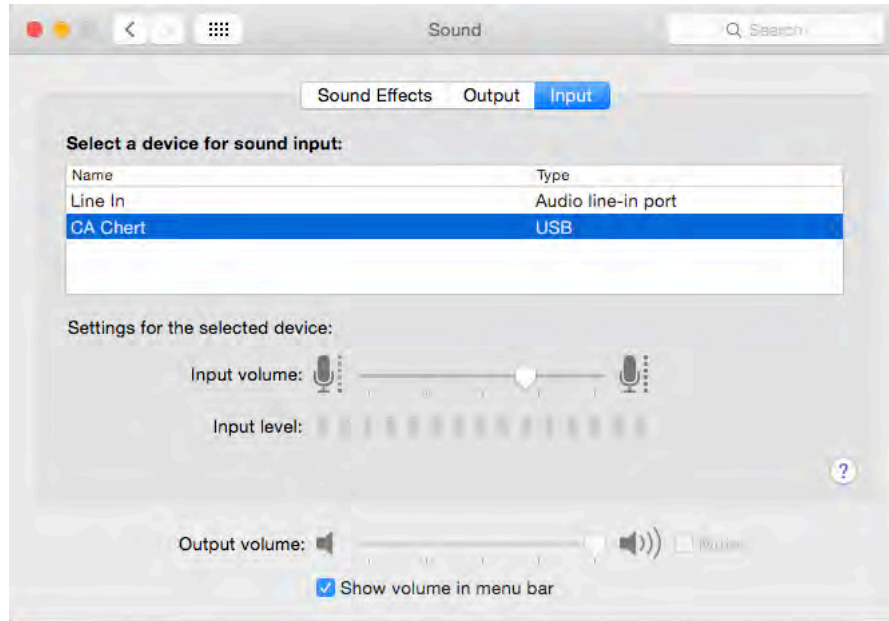
Connect ClonerAlliance Chert 4KC to PC via USB Type-C cable, go to the “Sound/Input”, it will show in the list.



- For Mac OS

Connect ClonerAlliance Chert 4KC to Mac, go to “Settings/Sound/Input/CA Chert” it also shows ” CA Chert ” device among the list.





## 3.2 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 Chert 4KC 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](#)*

Step 2:

Please connect the USB Type-C cable of ClonerAlliance Chert 4KC to your PC.

Step 3:

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

Step 4:

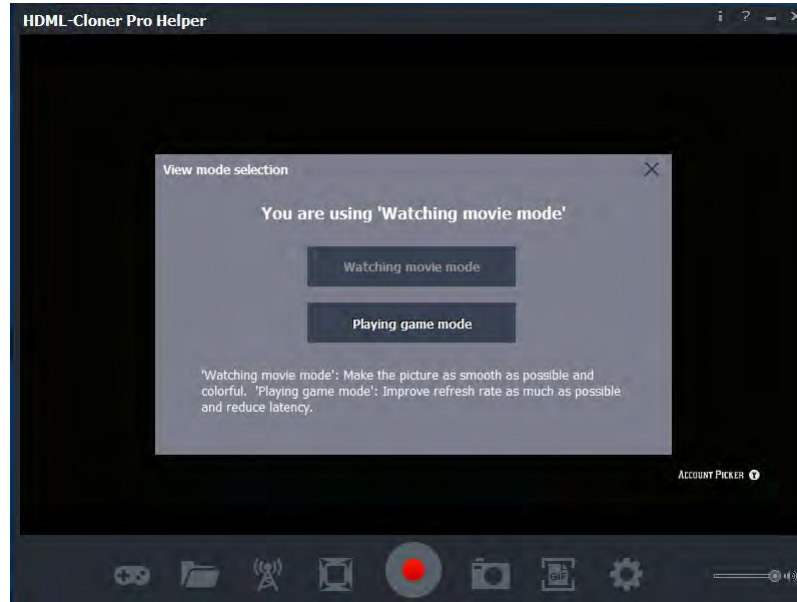
Launch HDML-Cloner Pro Helper software, it will recognize ClonerAlliance Chert 4KC device automatically and show the

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.

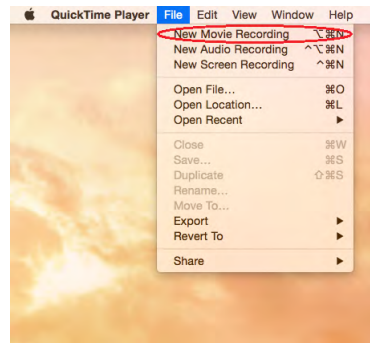


Note:

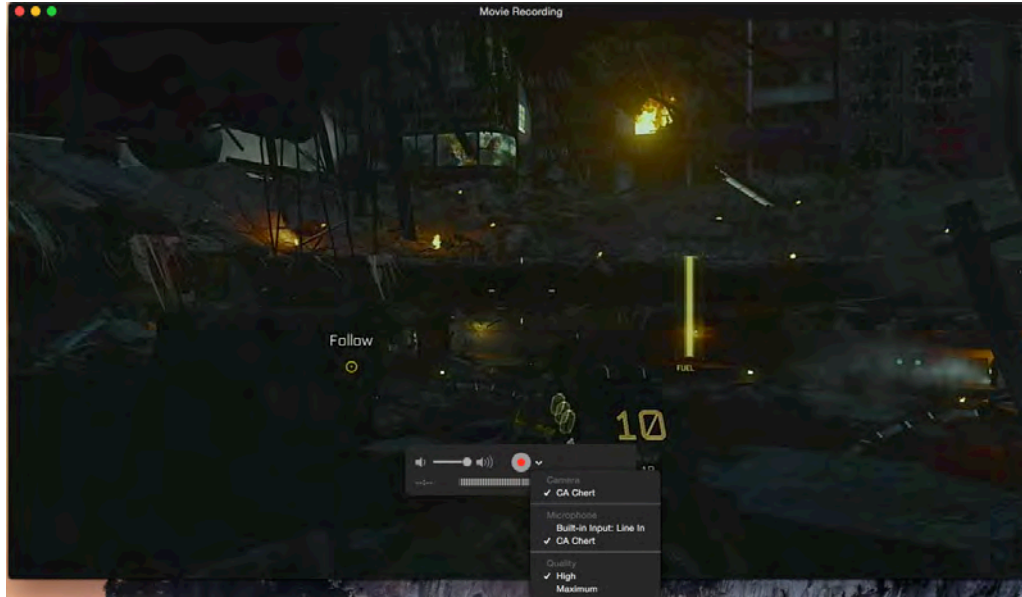
- ClonerAlliance Chert 4KC device supports up to 4K input resolution, and the output will be 1080p@60fps automatically.

### 3.3 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.



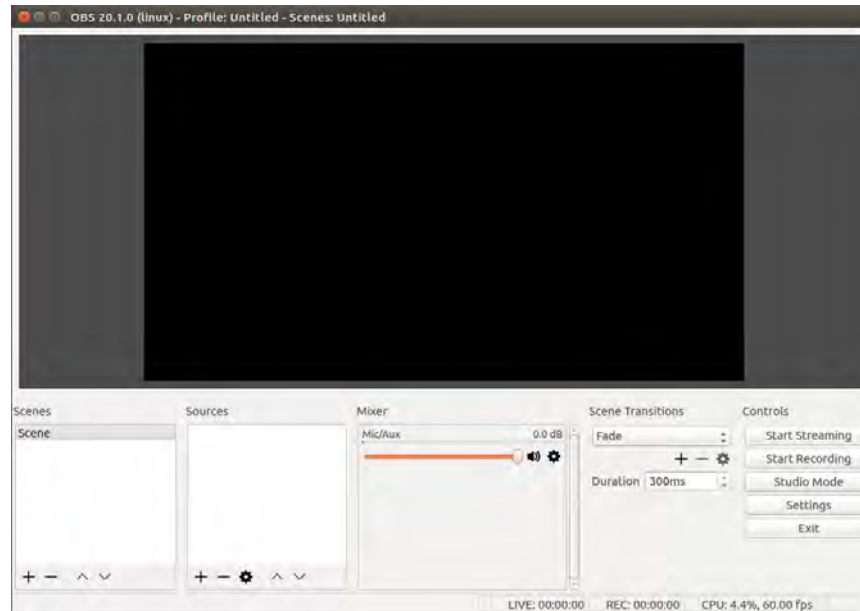
2. Please confirm the setting of Camera/Microphone/Quality as below.



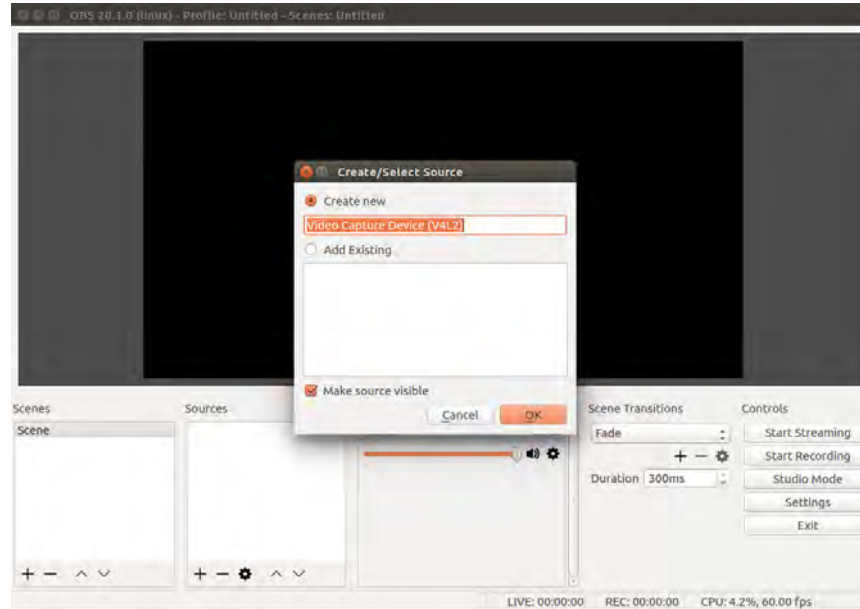
3. You can capture your game now.

## 3.4 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.

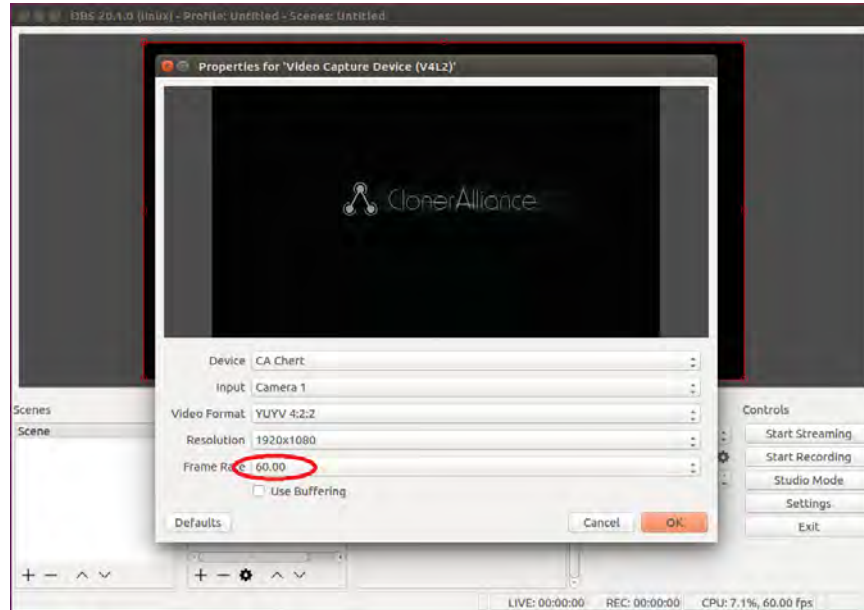


2. In source column, click “+” to add video capture device:

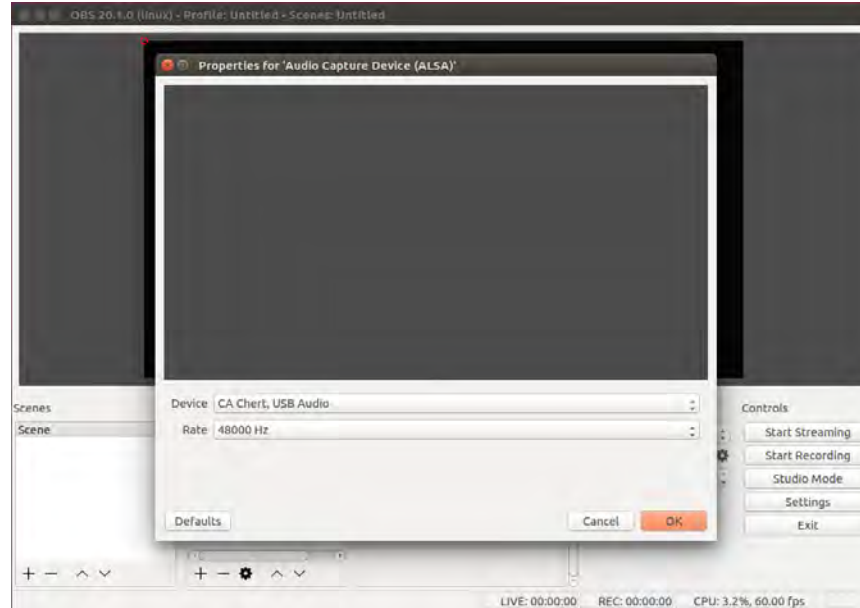


3. It's recommended that to use 60fps frame rate while game recording/streaming, please set up as following:

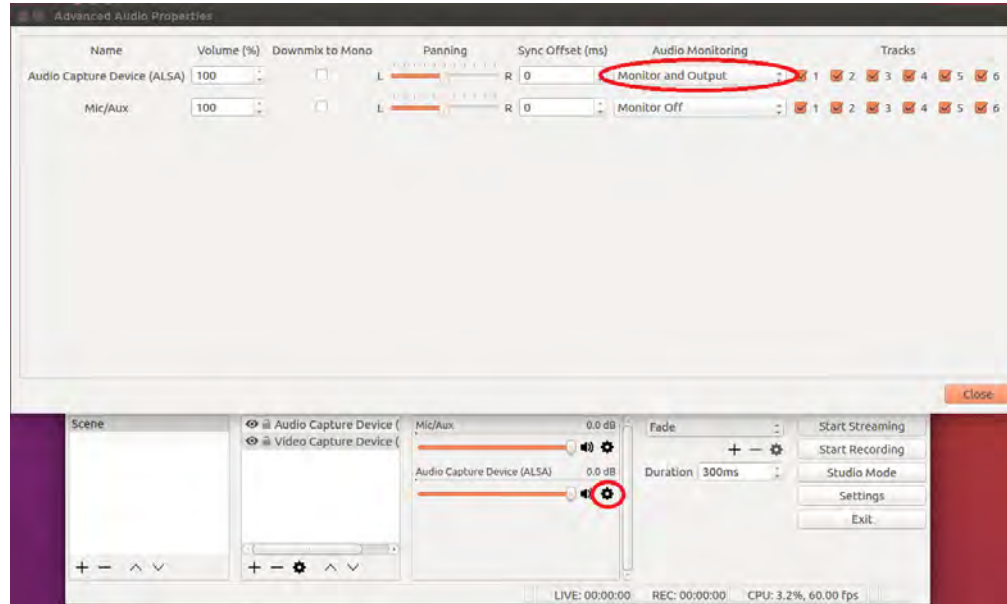




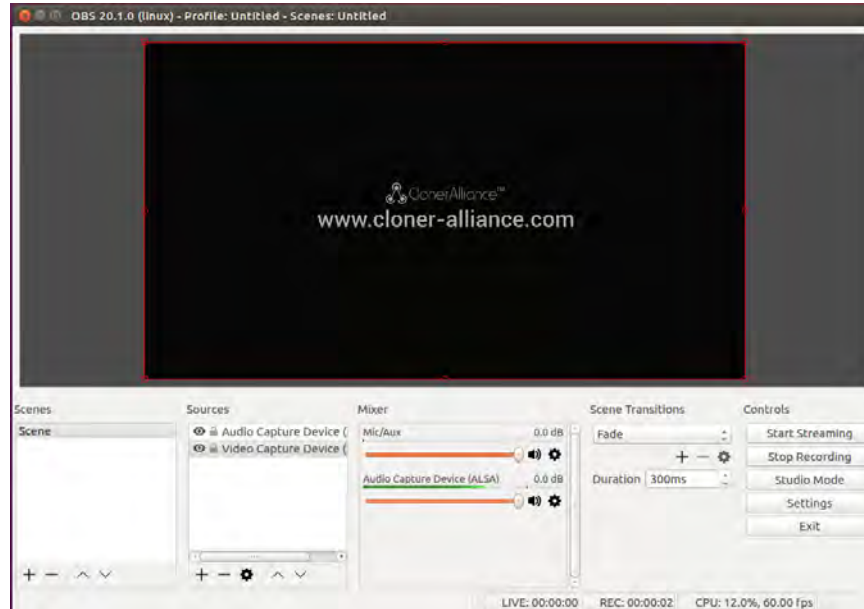
4. In source column, click “+” to add audio capture device:



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



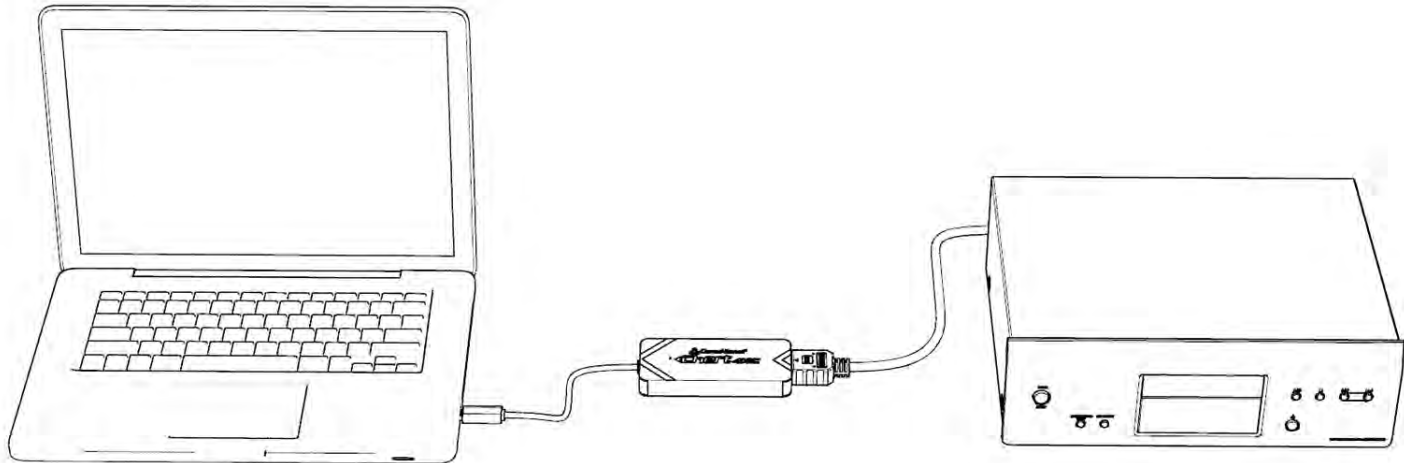
6. Now you can start recording and streaming.



# RECORD/CAPTURE VIDEOS TO PC.

## 4.1 Connect

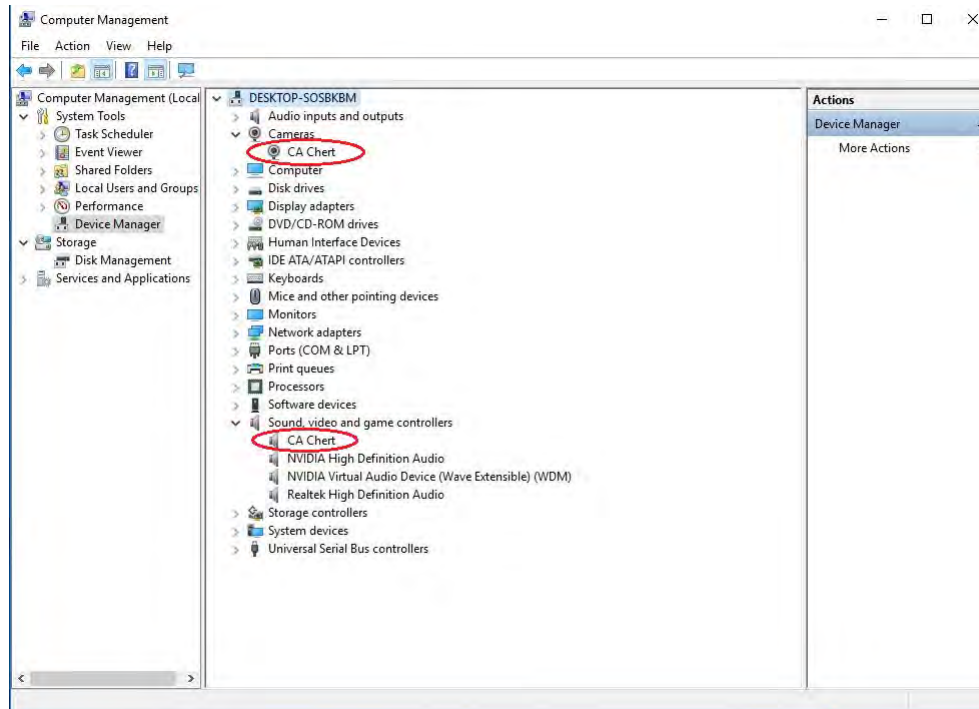
1. Connect the video player to the “INPUT” port on ClonerAlliance Chert 4KC via an HDMI cable.
2. Connect ClonerAlliance Chert 4KC to PC with the USB Type-C cable.



- For Windows

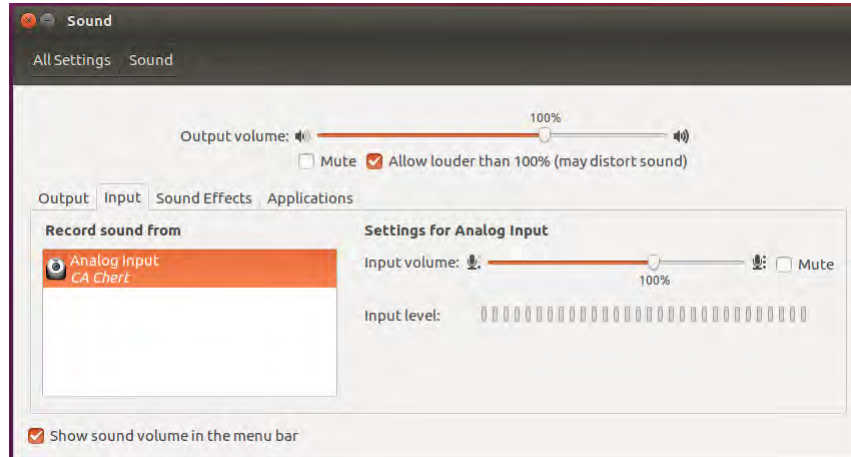
After all devices are connected properly, when you power on all devices, go to “Device manager”, it will show “CA Chert”

under “Cameras” and “Sound, video and game controllers” :



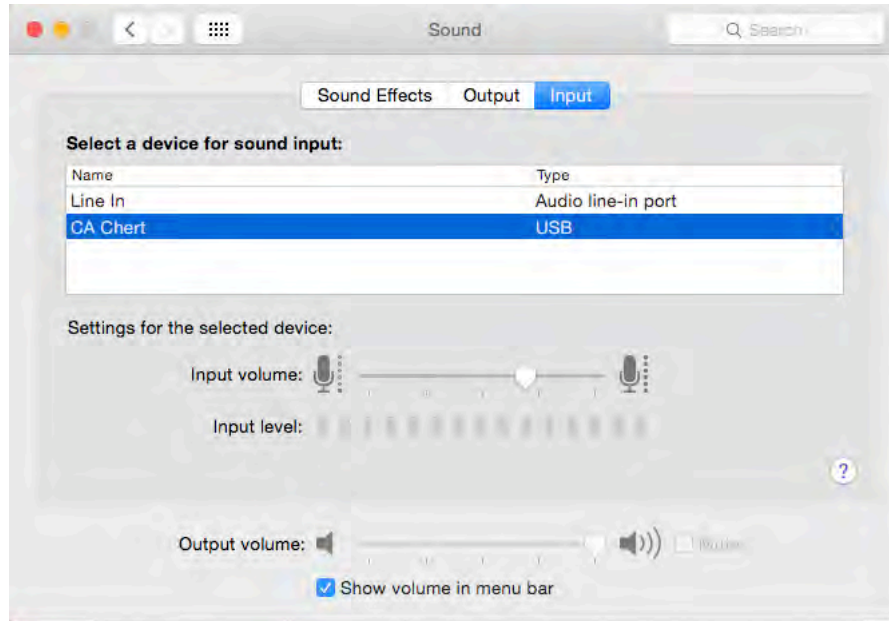
- For Linux

Connect ClonerAlliance Chert 4KC to PC via type C cable, go to the “Sound/Input” , it will show in the list.



- For Mac OS

Connect ClonerAlliance Chert 4KC to Mac, go to “Settings/Sound/Input/CA Chert” it also shows CA Chert device among the list.




## 4.2 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*





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

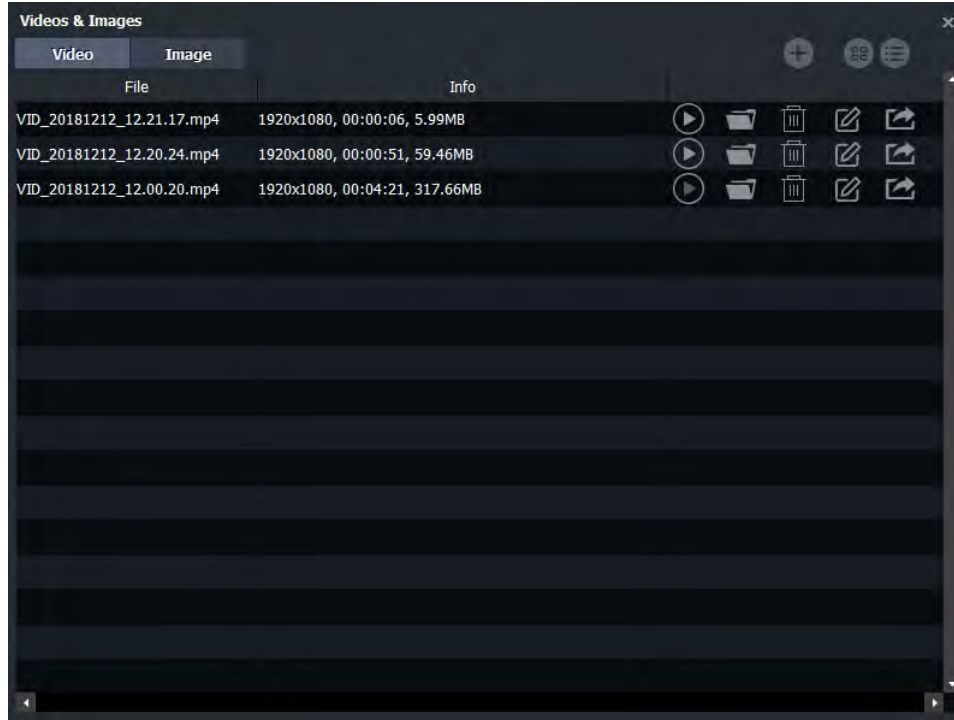
2. Click  to start recording.


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

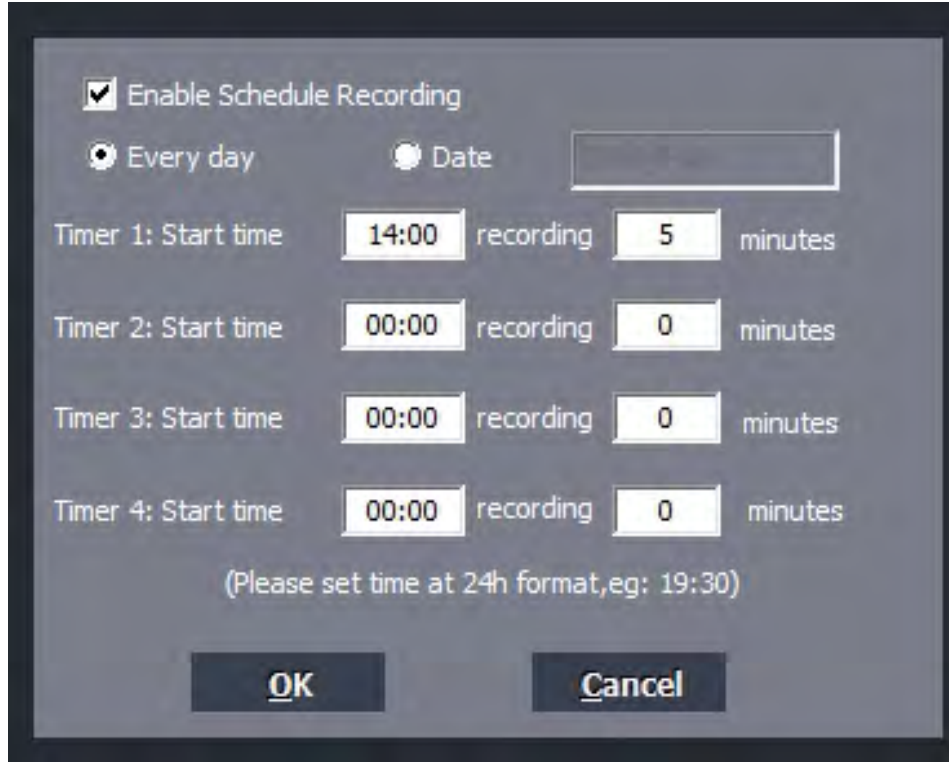
time. When you want to resume, please click  to continue recording. Besides, you can Click  to take screenshots, click  to capture GIF animation by clicking .

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.



☒ Enable Schedule Recording

☒ Every day ☐ Date

Timer 1: Start time  recording  minutes

Timer 2: Start time  recording  minutes

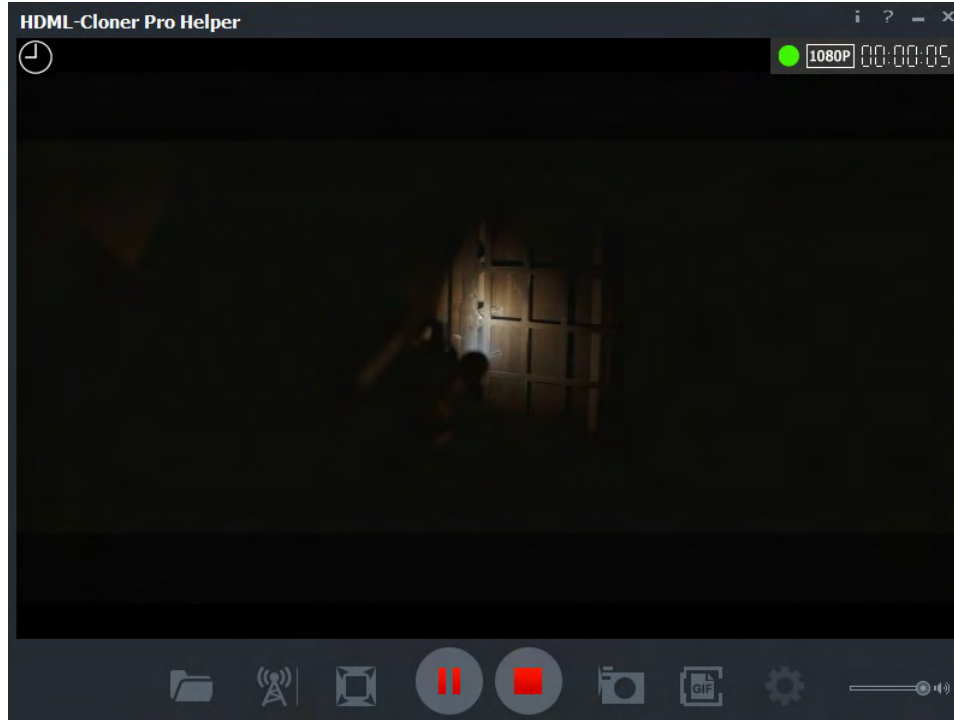
Timer 3: Start time  recording  minutes

Timer 4: Start time  recording  minutes

(Please set time at 24h format, eg: 19:30)

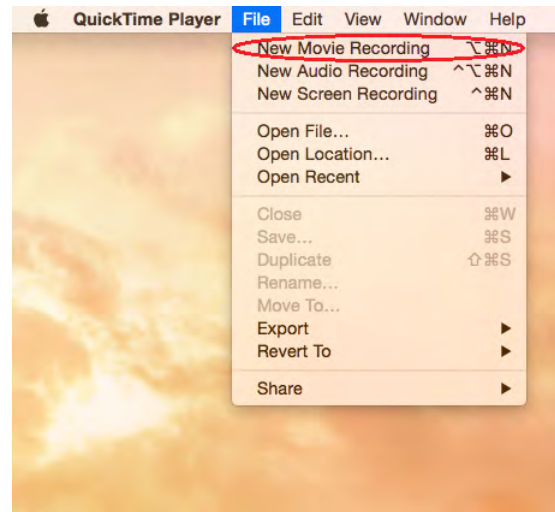
**OK** **Cancel**

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.

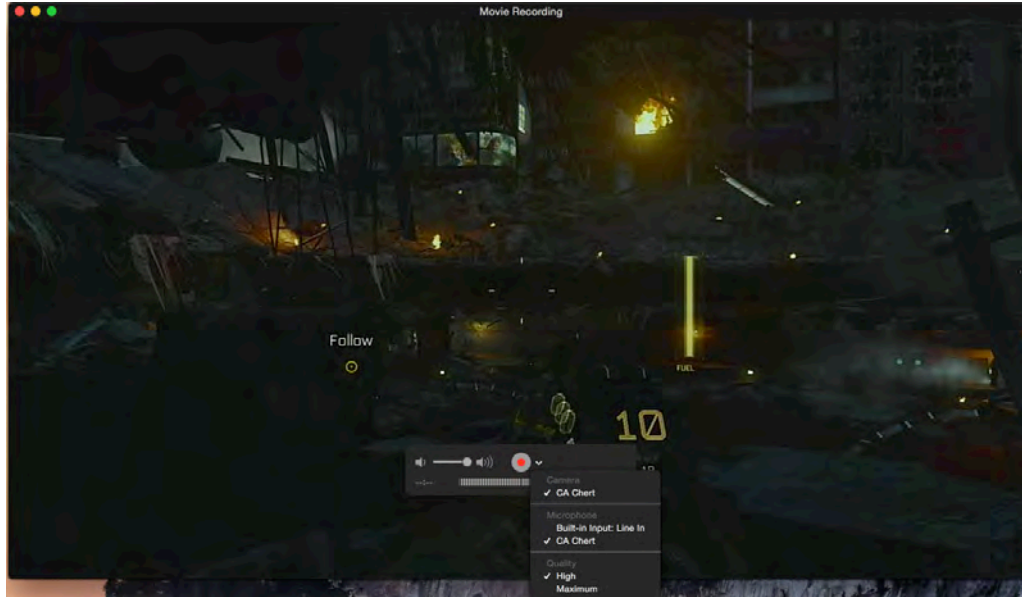


## 4.3 Record/Capture for Mac OS users

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:

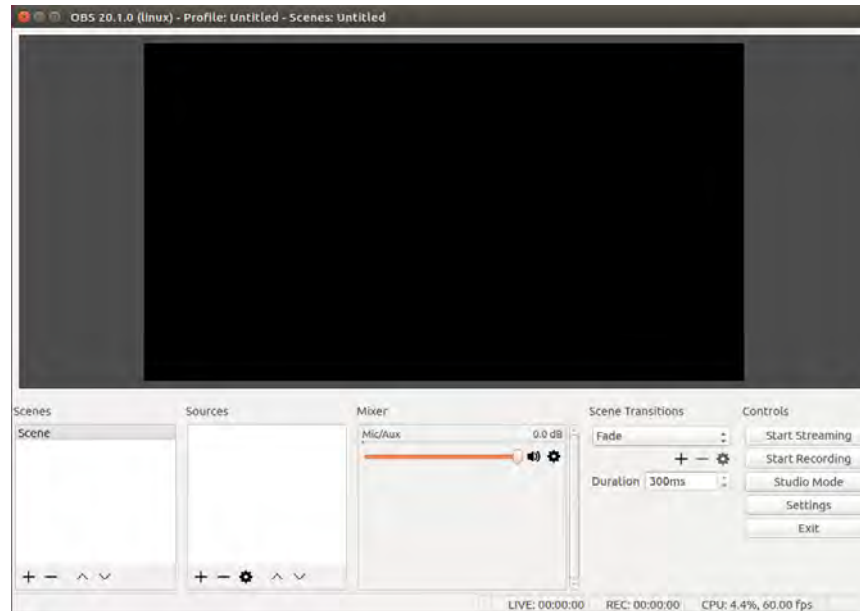


3. You can capture your movie now.

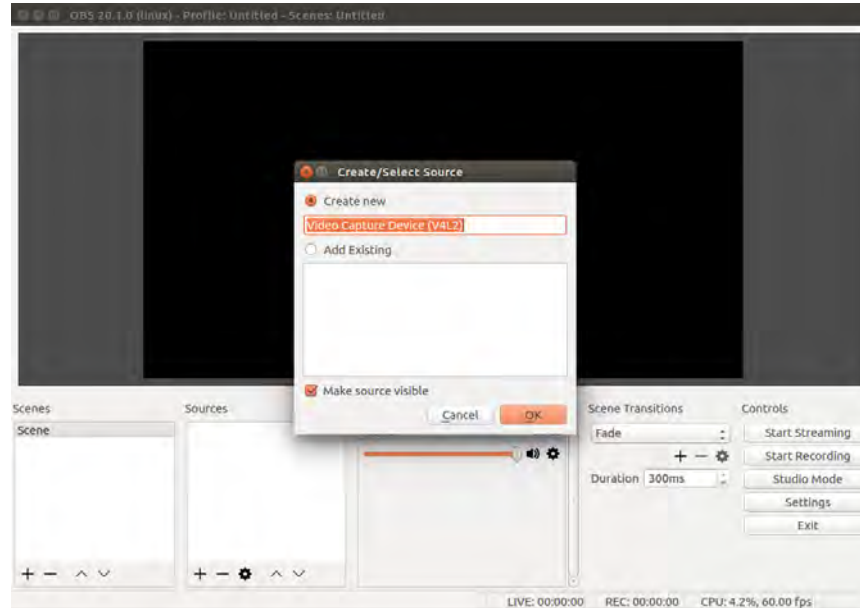


## 4.4 Record/Capture for Linux users

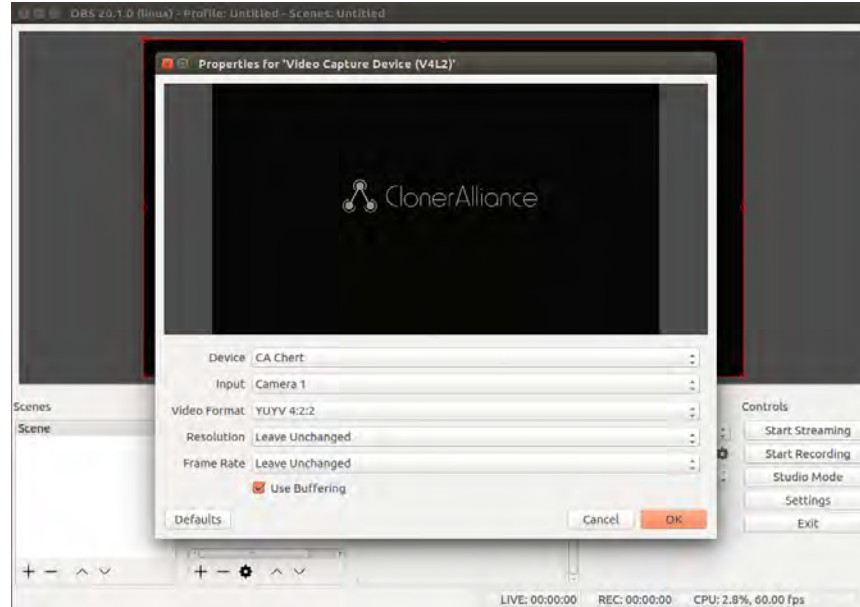
1. After all devices are connected properly, insert the video disc into the drive of the video player and launch OBS Studio software.



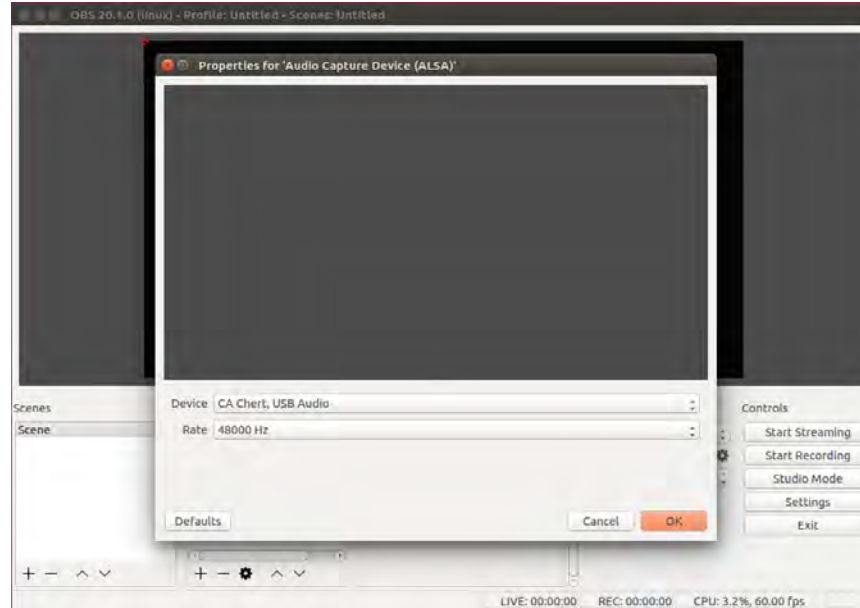
2. In source column, click “+” to add video capture device:



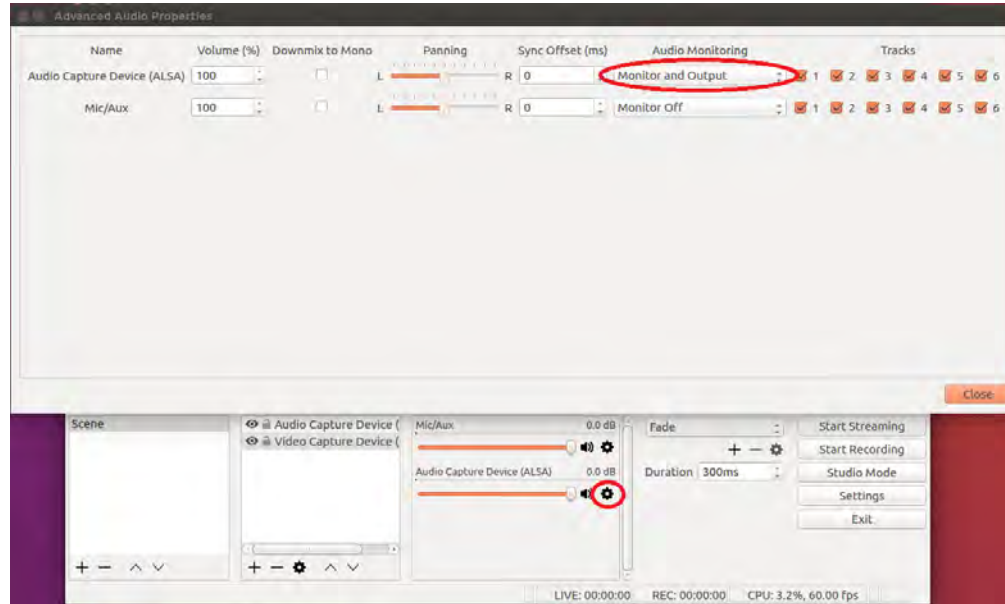
3. Please set up as following:



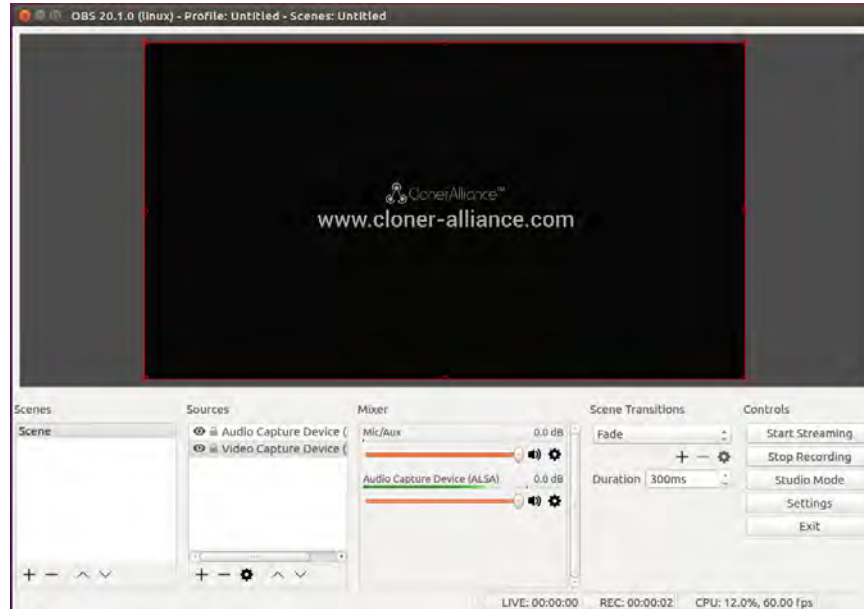
4. In source column, click “+” to add audio capture device:



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.



# RECORD/CAPTURE VIDEOS TO MOBILE.

- System Requirements

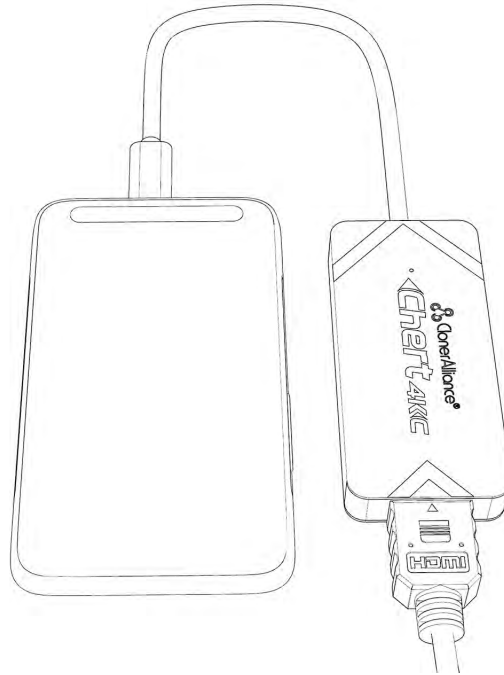
Android version 7.0 or above

## 5.1 Connect

1. Connect the video player to the “INPUT” port on ClonerAlliance Chert 4KC via an HDMI cable.
2. Connect ClonerAlliance Chert 4KC to Android phone with the USB Type-C cable.

- For USB Type-C socket phone:

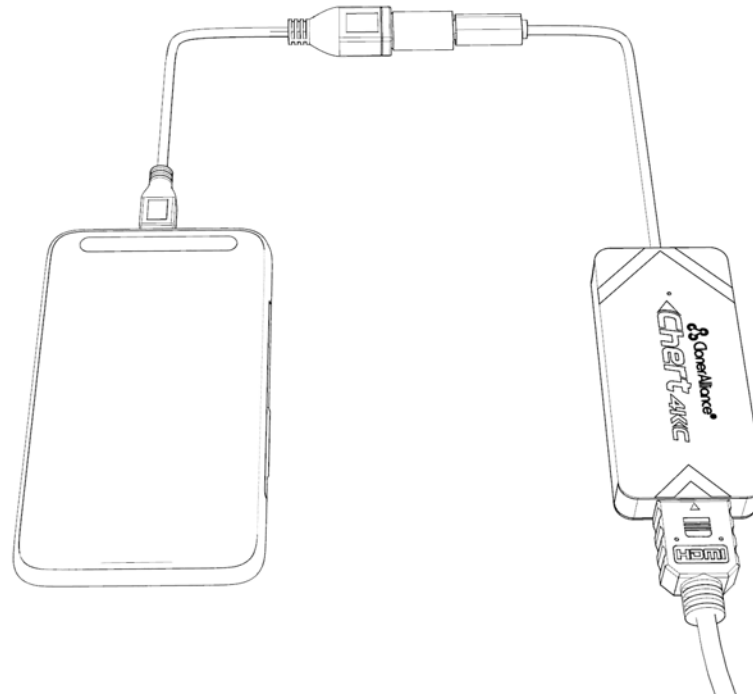
Please plug USB Type-C cable directly to your Android Phone.



- 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.





## **5.2 Record/Capture with ClonerAlliance App**


Step 1:

Please connect source device properly.

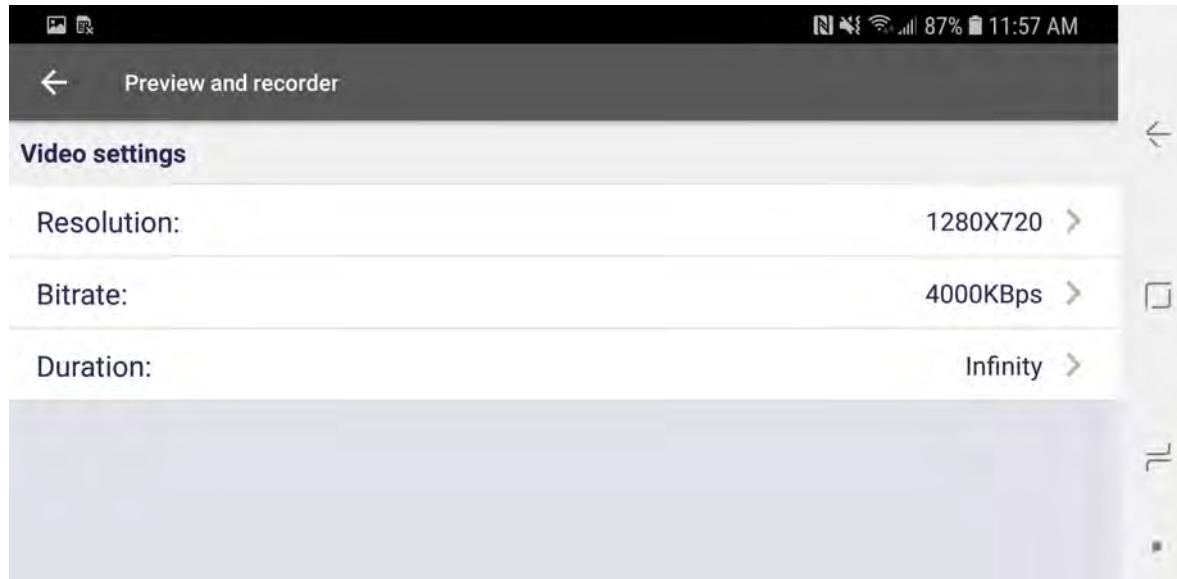
Step 2:

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).

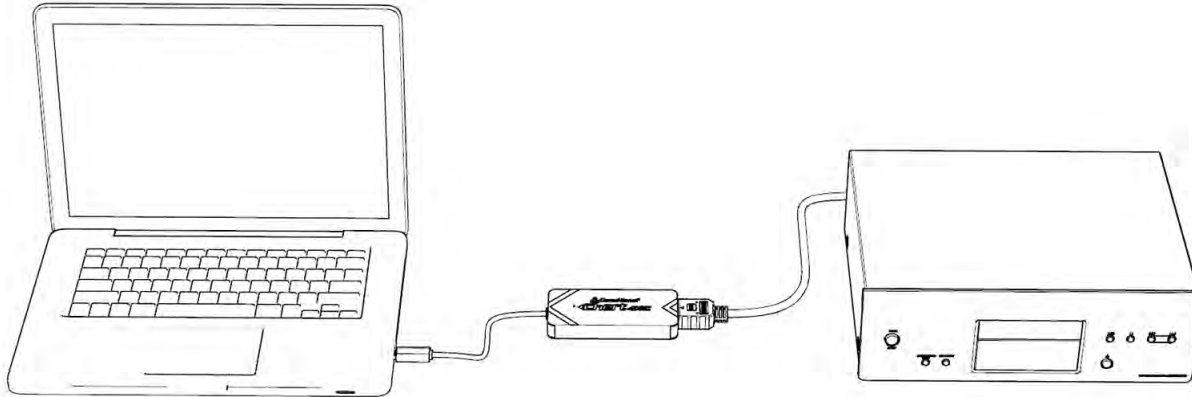
Step 5:

Tap  to check all files have been saved.

# PREVIEW VIDEOS FOR LIVE STREAMING.

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

## 6.1 Connect



1. IN: Connect an HDMI cable between the source video player and ClonerAlliance Chert 4KC.
2. USB Type-C: Connect ClonerAlliance Chert 4KC to PC via USB Type-C cable.
3. LED Indicator: Stable Green indicates ClonerAlliance Chert 4KC is in working mode.

## 6.2 Install software

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

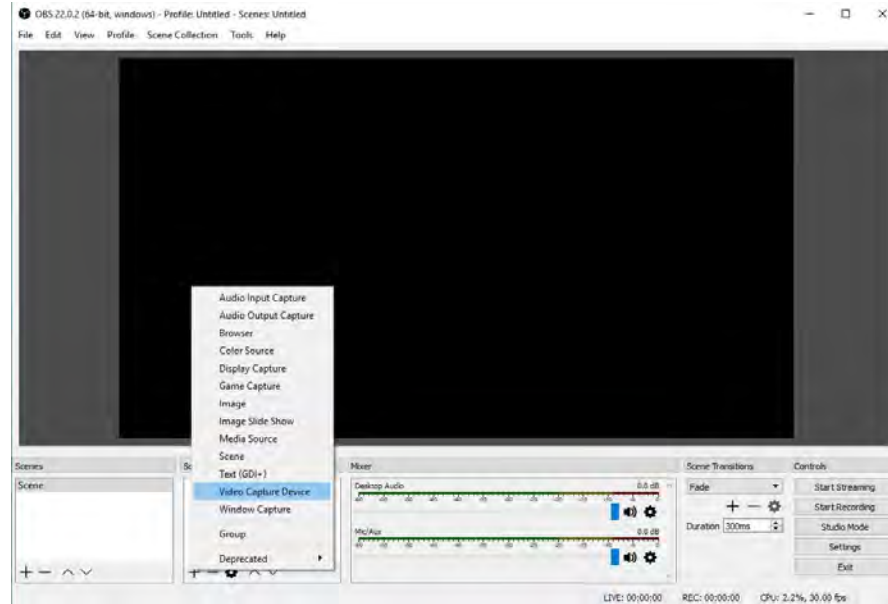
See details about *Install and register HDML-Cloner Pro Helper*

See details about *Install OBS Studio*

## 6.3 Setting for preview video

Step 1:

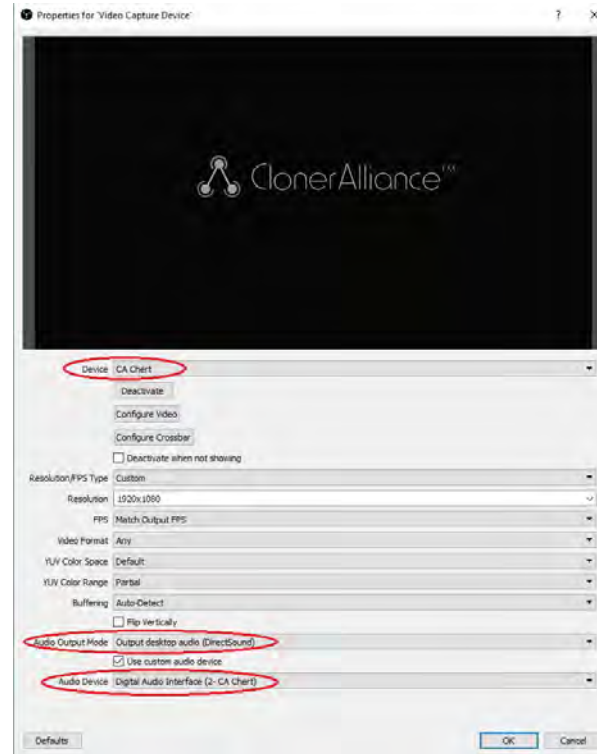
Launch OBS Studio software on PC, Click “+” icon under “Sources” window, and select “Video Capture Device” :



Step 2:

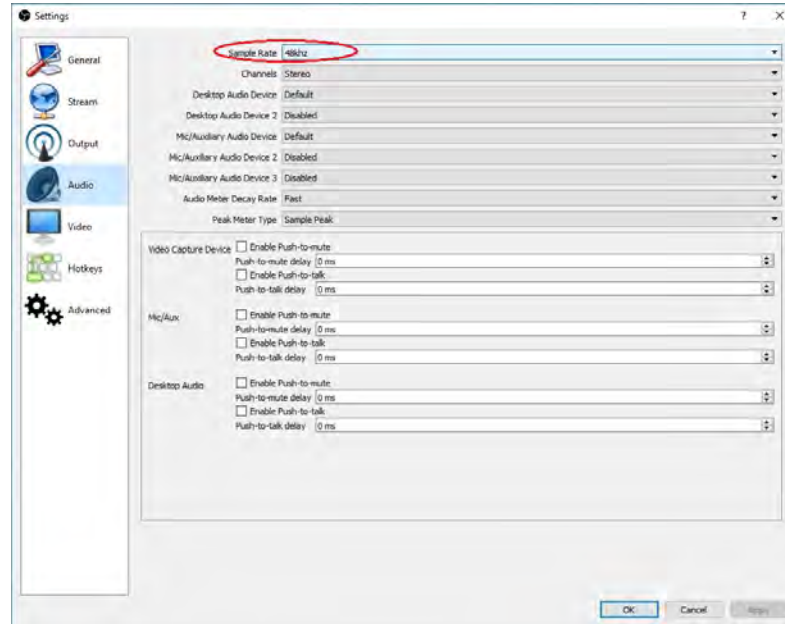
Select “CA Chert” in the drop box next to “Device” and at Set Audio Output Mode, please select “Output desktop audio (DirectSound), Audio Device to “CA Chert” :





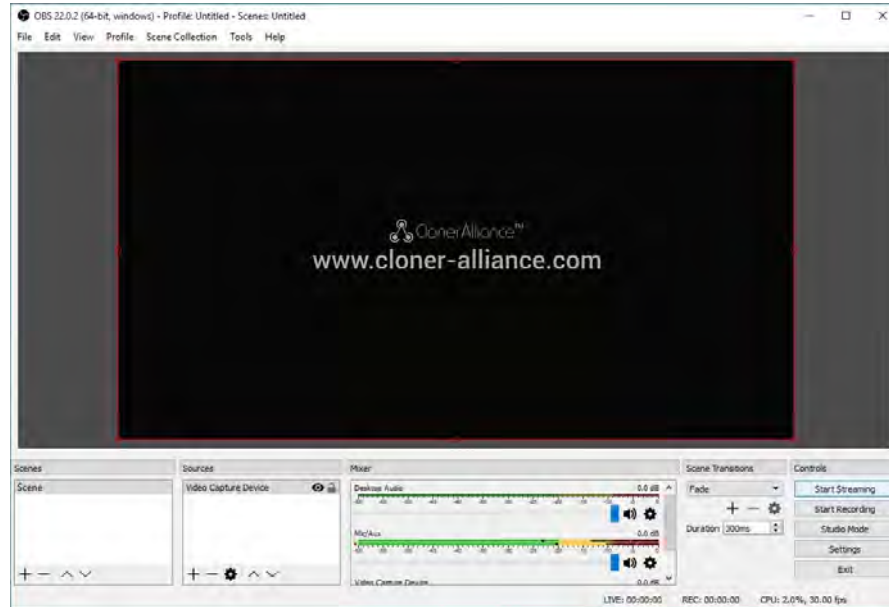
Step 3:

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



Step 4:

Then you can start recording or streaming video:

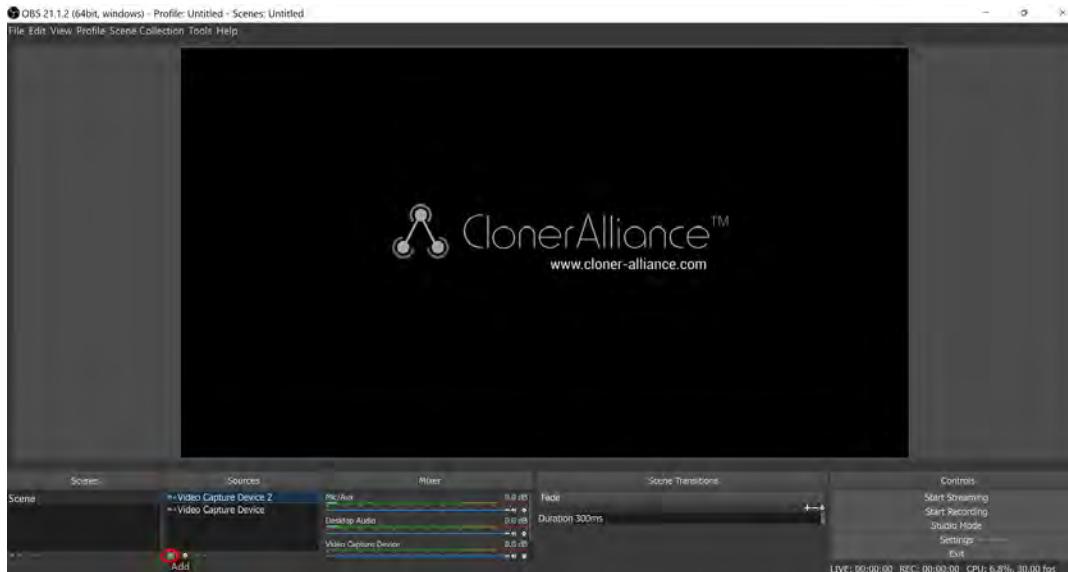


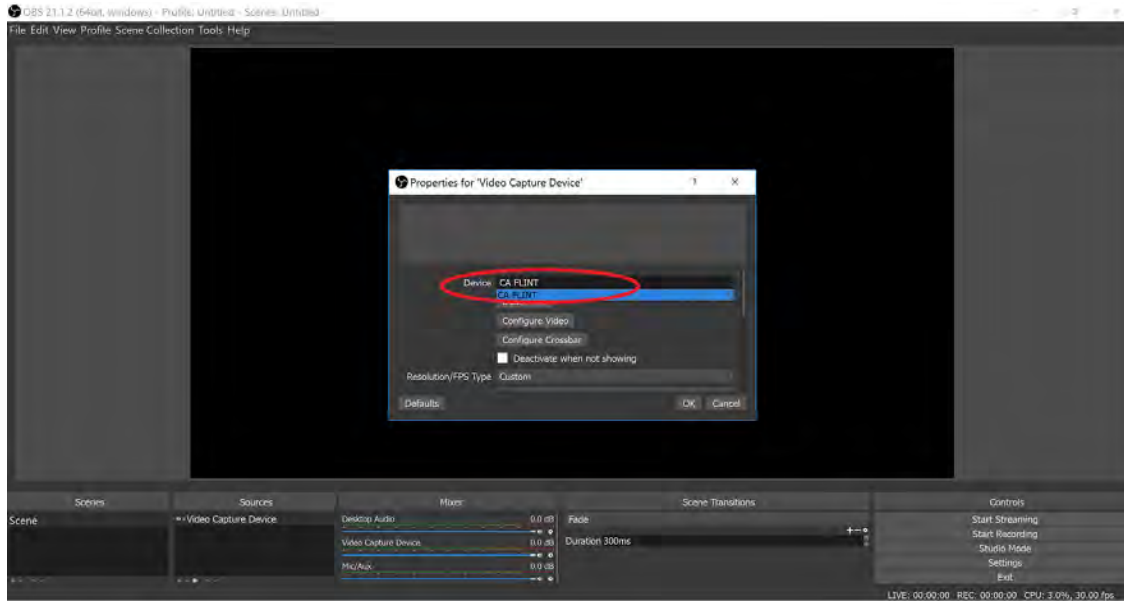
# FREQUENTLY ASKED QUESTIONS

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

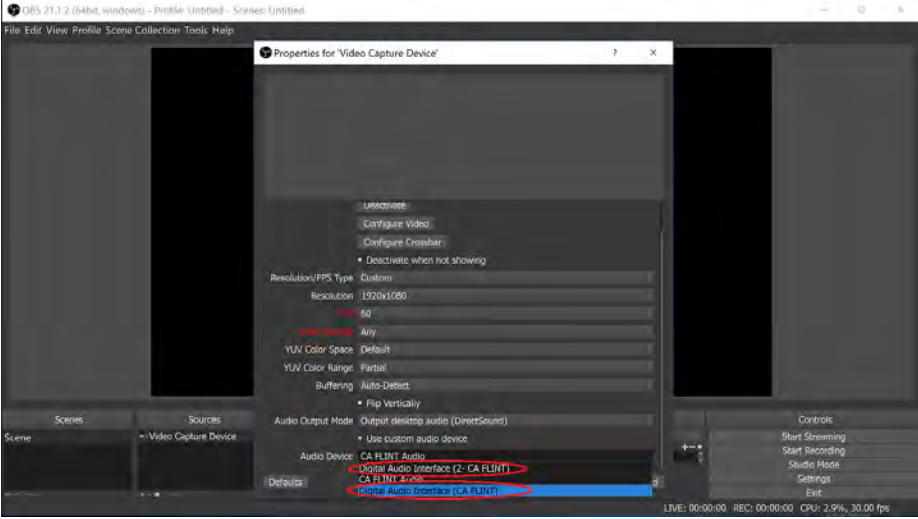
## Can I use multiple ClonerAlliance Chert 4KC devices on one PC at the same time?

Sure, both HDML-Cloner Pro Helper and OBS studio can support multiple ClonerAlliance Chert 4KC 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 Chert 4KC Need Extra Power Supply?

No, ClonerAlliance Chert 4KC can be directly powered by USB Type-C port with Android Phone or USB port on PC.

## Why Does It Only Have Sound But No Video After Switching Back To Preview Screen With ClonerAlliance Chert 4KC?

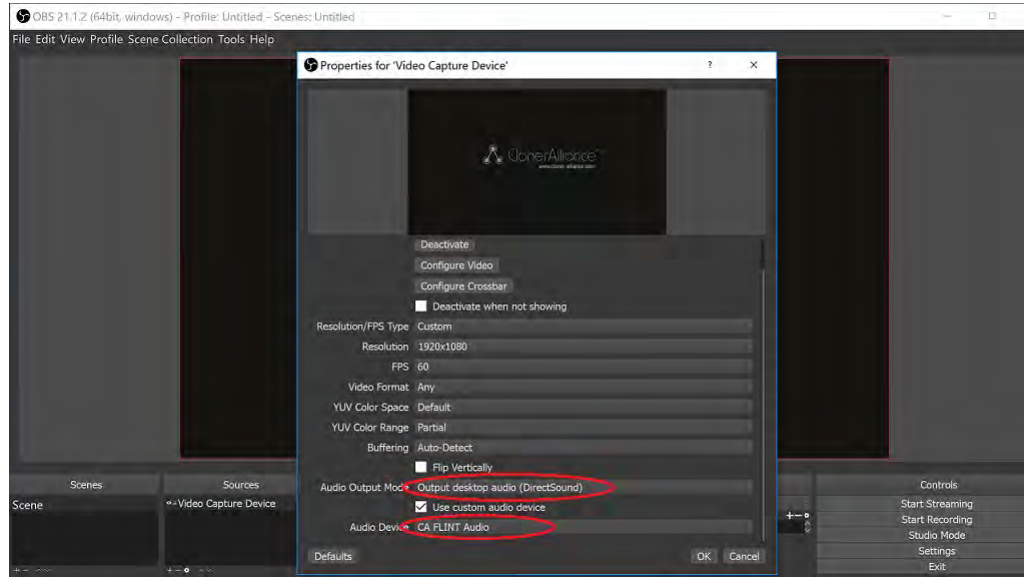
Please use a Hub to provide power supply for ClonerAlliance Chert 4KC independently, then it will work well.

### **Why Is There No Audio When Running Open Broadcaster Software(OBS) With ClonerAlliance Chert 4KC?**

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

Please proceed as follows:

Select “Output desktop audio(DirectSound)” in “Audio Out Mode” first, then Mark “Use custom audio device” and select “CA FLINT audio” , then click “OK” .



## How to deal with PC doesn't recognize ClonerAlliance Chert 4KC device?

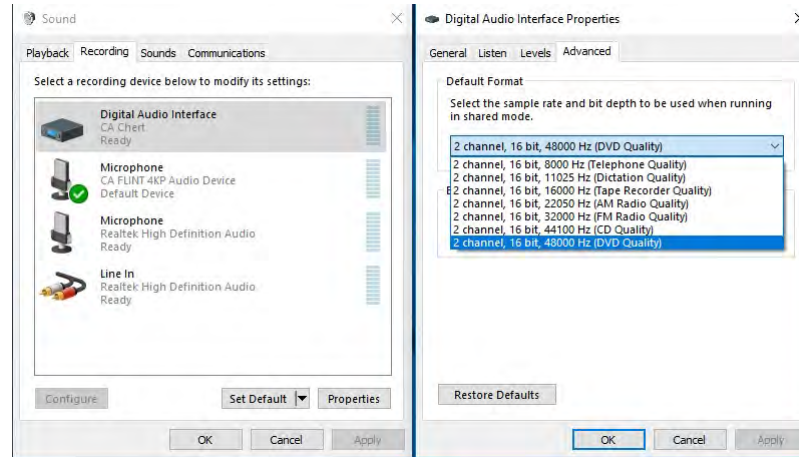
Please change another USB port and re-plug in, it'll help.

## Why are audio and video out of sync when I use OBS studio with ClonerAlliance Chert 4KC?

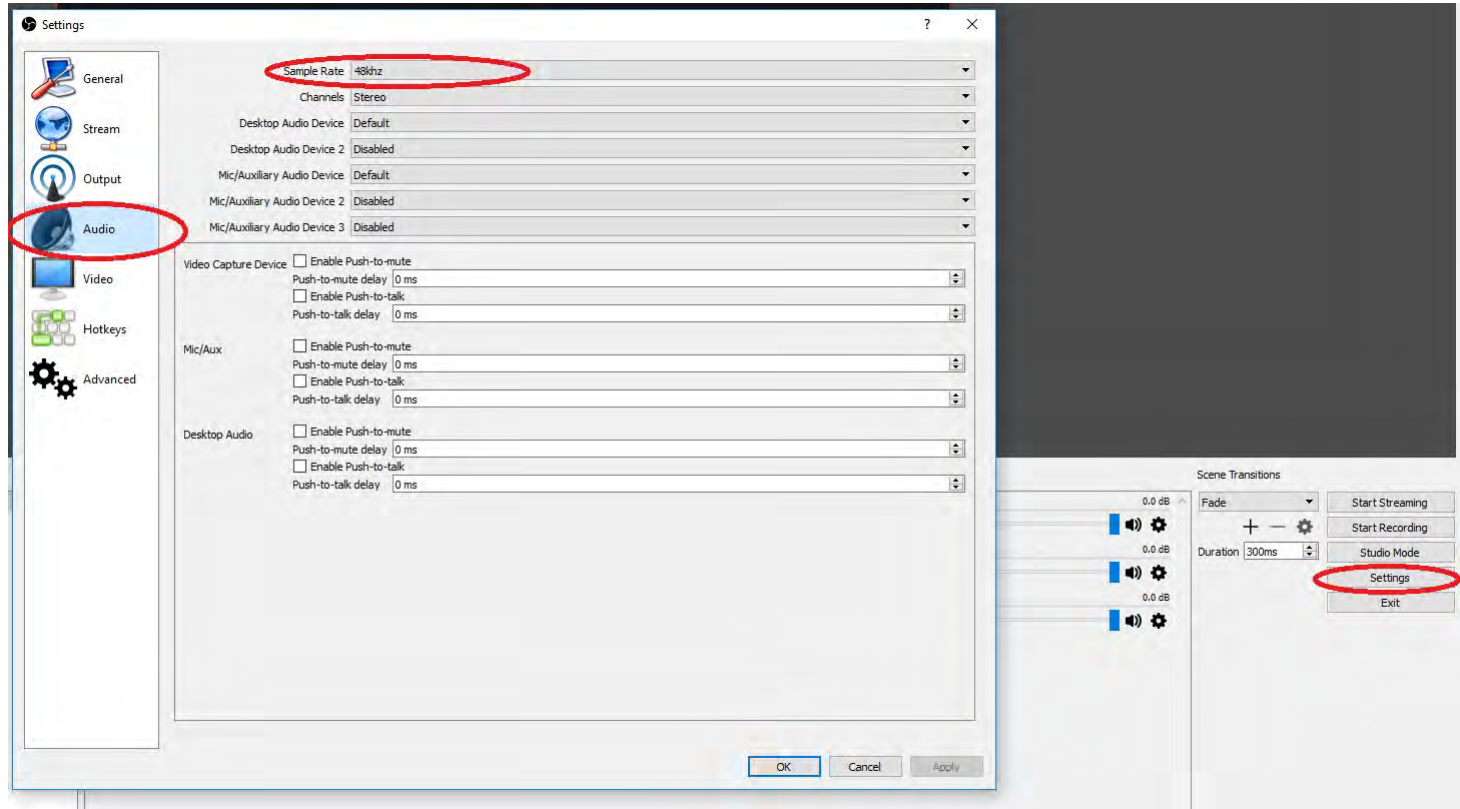
Please set up as following and it will perform normally.



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.







# PRODUCT SPECIFICATIONS

|                          |   |
|--------------------------|---|
| Max Input Resolution     | 30fps @ 3840 x 2160   |
| Output format            | MJPEG,YUY2  |
| Recording Resolutions    | 720 x 480(60p), 720 x 576(50p), 1280 x 720(50p),<br>1280 x 720(60p), 1920x 1080(50i), 1920 x 1080(60i),<br>1920 x 1080(24p), 1920 x 1080(25p), 1920 x1080(30p),<br>1920 x 1080(50p), 1920 x 1080(60p) |
| Video standards (input)  | NTSC, PAL   |
| Input signal             | HDMI  |
| Output signals           | USB Type-C  |
| Max transmission bitrate | 2Gbps   |
| Bitrate                  | Max: 140Mbps  |
| Weight                   | 1.76 oz   |
| Dimensions               | 3.5 x 1.6 x 0.4 inches  |

## **AFTER SALES WARRANTY**

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

## CONTACT US

If you encounter any problem when using our products, please contact us by [support@cloner-alliance.com](mailto: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](mailto:market@cloner-alliance.com).



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