

ezcap332



Game Link Combo manual



Thanks for purchasing ezc332 Game Link Combo. Please read this manual before use and keep it in a safe place for future reference. You can use this device: Capture and streaming HDMI video up to 2160p30 or 1080p120 resolution on your computer. Adjust microphone effect and mix it with video together.

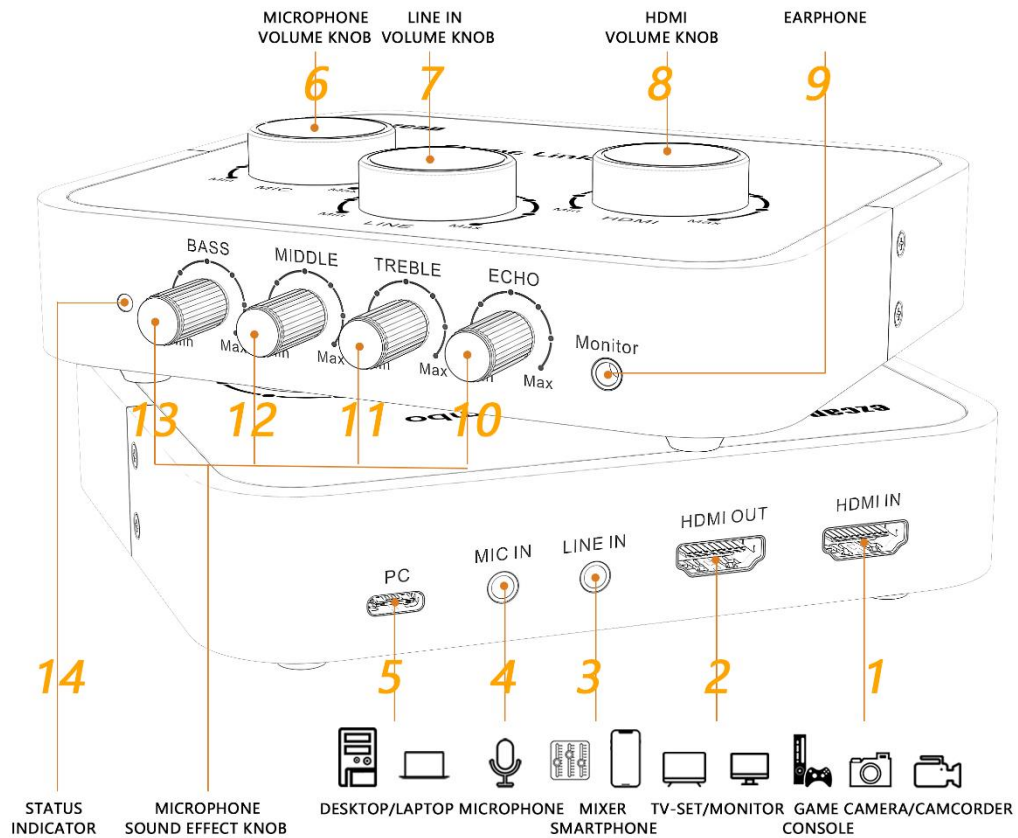
Overview

In the Box

ezc332 Game Link Combo x1, USB-C to A cable x1, USB adapter x1, 3.5mm TRS male to male audio cable x1, Manual x1

Product Overview and Connections

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1. HDMI IN – HDMI input, connect to video source with HDMI cable.
2. HDMI OUT – Connect to TV with HDMI cable.
3. LINE IN – 3.5mm TRS audio line input, connect to audio source device like Mixer by included 3.5mm audio cable.
4. MIC IN – 3.5mm 3-pole TRS microphone input port, connect to microphone.
5. PC – USB-C port, connect to USB port of computer by included USB cable.
6. MIC – To adjust the volume of MIC (Turn clockwise, the sound goes from low to high).
7. LINE – To adjust the volume of line in (Turn clockwise, the sound goes from low to high).
8. HDMI – To adjust the volume of HDMI (Turn clockwise, the sound goes from low to high)

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9. Monitor – 3.5mm 3-pole TRS audio line output port, connect to earphone for monitoring.
 10. ECHO – Adjust the microphone echo effect.
 11. TREBLE – Adjust the high frequency effect of microphone input sound.
 12. MIDDLE – Adjust the middle frequency effect of the microphone input sound.
 13. BASS – Adjust the low frequency effect of the microphone input sound.
 14. INDICATOR - Status indicator, it will be GREEN when connect to computer, and turn RED when device runs.

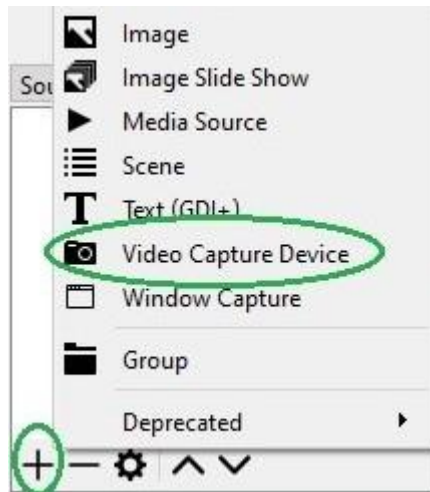
Software

For professional live streaming or recording, we suggest use OBS, download link:<https://obsproject.com/>

Start Work

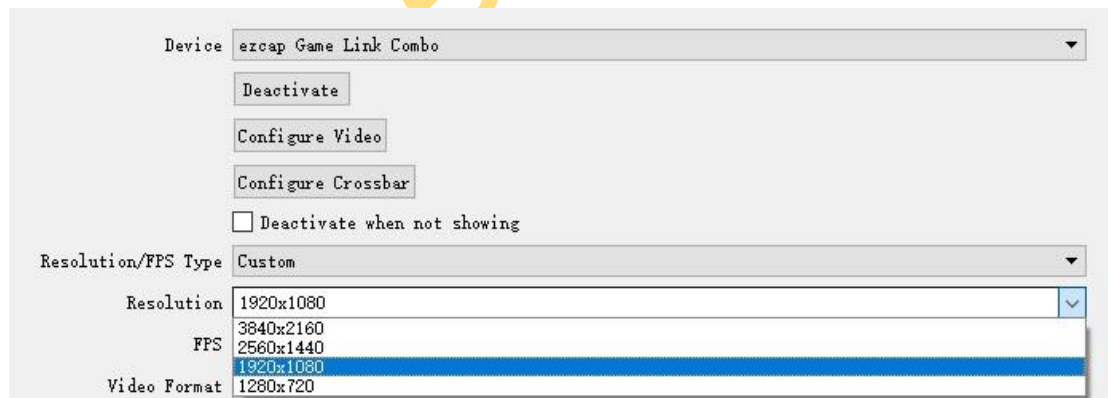
Select Device

After download and installation, double click **OBS Studio**. Click icon +under **Sources** window, and select **Video Capture Device**. Click **OK** in the new pop-up window. Please click **Device** and select **ezcap Game Link Combo**.



Video Setting

You should get the video in window. If not, and you see **Check Resolutions Settings** on the window, you need to set the video resolution. Click **Resolution/FPS Type** and select **Custom**, then click **Resolution** to select one resolution that same or smaller as the resolution of your video source.



If resolutions of video source and device output are 3840 x 2160, you may find that the viewing picture is way out of the frame of OBS. Right click image window of OBS, select **Resize output(source size)**, and you will get the whole picture.

You can click **FPS** to select the appropriate FPS - **30,60,Highest FPS**, or **Match Output**

FPS, and click **Video Format** to select **XRGB, NV12, or YUY2**.

The video format options depend on resolution, the max FPS depends on both resolution and video format:

| | Video Format options | MAX FPS |
|-------------|----------------------|---------|
| 3840 x 2160 | NV12 | 30 |
| 1920 x 1080 | NV12 | 120 |
| | YUY2 | 60 |
| | XRGB | 30 |
| 2560 x 1440 | NV12 | 60 |
| | YUY2 | 50 |
| 1280 x 720 | NV12 | 60 |
| | YUY2 | 60 |
| | XRGB | 60 |

Audio Setting

Please tick **Use custom audio device**, and click **Audio Device** and select **HDMI (ezcap Game Link Combo)**, you will hear the sound now.

Video Format: Any

Color Space: Default

Color Range: Default

Buffering: Auto-Detect


Flip Vertically

Audio Output Mode: Capture audio only

Use custom audio device

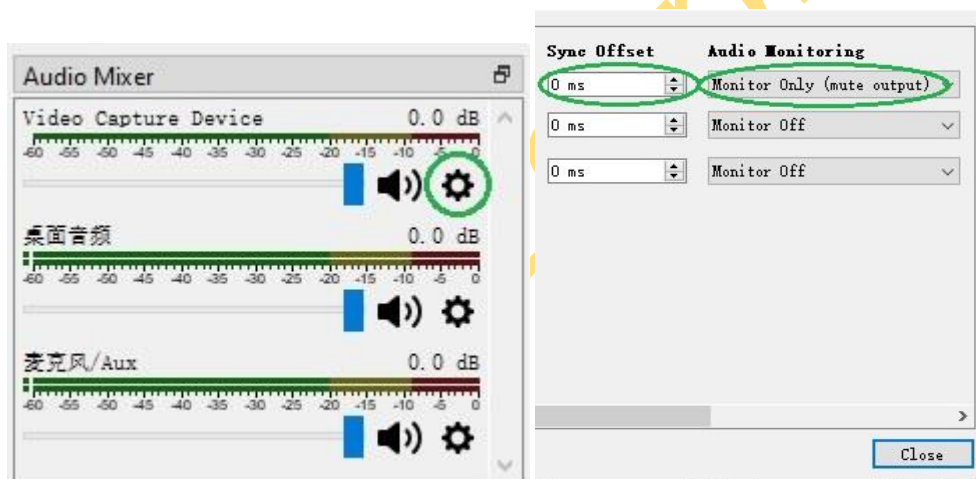
Audio Device: HDMI (ezcap Game Link Combo)

Defaults OK Cancel

If you still cannot hear the sound, please click  under **Audio Mixer** and **Video Capture Device** at the bottom middle of OBS panel as below picture and select **Advanced Audio Properties**. Then click **Audio Monitoring** and select **Monitor Only (mute output)** (mute output).

You still cannot get the sound after above setting, please click **Audio Output Mode** to select **Output desktop audio (WaveOut)**. You should get the sound.

Please set to **- 470ms** under **Sync offset**, for audio and video sync, you can adjust it till your audio video is synchronous.



Adjust the volume of HDMI, Microphone and Line in

When we are capturing video or live game, we often need to adjust the microphone volume, or line in volume, or HDMI video volume, and even need to mute them. eZcap Game Link Combo with volume Adjustment has designed unique knobs, you can adjust them at any time to meet your needs. When the corresponding knob is turned fully counterclockwise, the corresponding volume will be muted, and turned fully clockwise,

the volume will be adjusted to the maximum.

EXAMPLE: You can adjust microphone volume by adjusting the **MIC** knob. Connect the headset, speak into the microphone, and then adjust the microphone volume knob at the same time until you feel suitable. Turn the knob clockwise to change the volume from low to high, turn it fully counterclockwise, and the microphone will be muted.

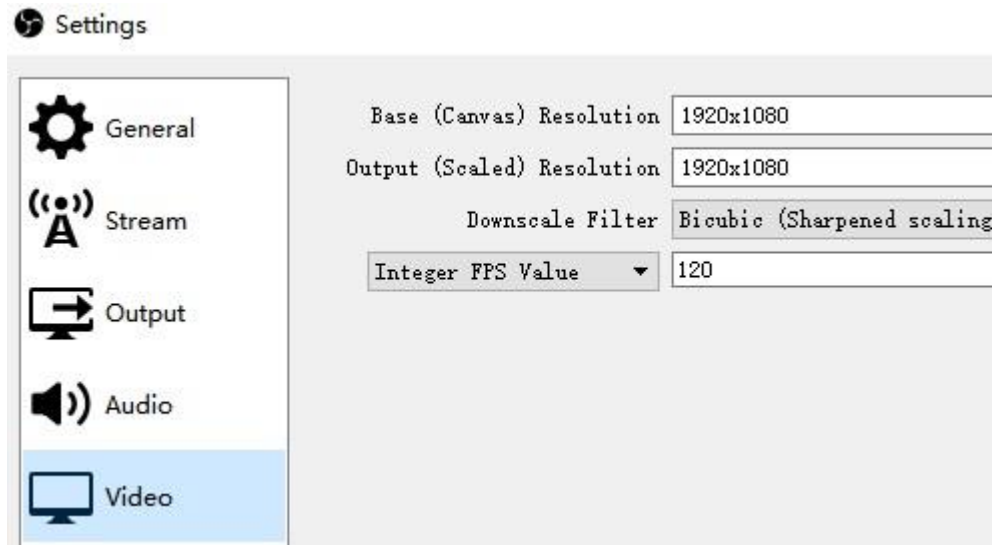
Note: There may be differences between the volume you hear through the headset and the volume of the actual captured video, as well as the volume of the live broadcast terminal. Please adjust to a suitable position according to the volume of the captured video or the volume of the live broadcast terminal in your actual application.

Microphone sound effect adjustment.

When capture video or live broadcast, you may need to adjust the sound effect of the microphone input. ezcap Game Link Combo includes **TREBLE, MIDDLE, BASS** and **ECHO** knobs, and you can adjust the microphone input sound effect according to your needs.

Recording

Click **Settings** of OBS panel, and click **Video**. Click **Base (canvas) Resolution** to select the appropriate resolution, and click **Output (Scaled) Resolution** to select the output resolution. Click **Common FPS Values** to select the FPS values. If you want to record 120HZ video, please click **Common FPS Values** and select **Integer FPS Values**, then enter **120** in the window on the right.



After setting, click **Apply** and **Ok**, then simply click **Start Recording** to start recording video, and click **Stop Recording** to stop recording.

Streaming

Click **Output** in the **Settings** panel, in the **Streaming** column, set video quality for streaming (adjust depends your computer, network speed), then click icon **Apply** and **OK**. Click **Stream**, then you can click **Service** to choose the software platform you want, then click icon **Apply** and **OK**.

Click **Start Streaming** to start streaming, and click **Stop Streaming** to stop streaming.

Note: Please click the **help** at the top of the OBS, and learn more about OBS.

Specifications

| | |
|-------------------------------|----------------|
| Interface | Type-C USB 3.0 |
| Input & Output (Pass-Through) | HDMI 1.4 |

| | |
|-------------------------------------|---|
| Audio Input | HDMI, 3.5mm TRS Line In, 3.5mm TRS microphone input |
| Audio Output | HDMI, 3.5mm TRS headphone |
| User Interface | Volume/Effect control knobs x7, Indicator |
| Max. Pass-Through Resolution | 1080p120, 1440p60, 2160p30 |
| Max. Recording Resolution | 1080p120, 2160p30, 1440p60 |
| Supported Resolution | 2160p, 1440p, 1080p, 720p |
| Video Format | YUY2, NV12, RGB |
| Dimensions (W x D x H) | 136 x 138 x 40 mm |

Operating System

Windows 10 x64, USB 3.0 Port x1

Laptop

For 4Kp30 or 1080p120 recording: Intel Core i7-7700HQ or above,

NVIDIA GeForce GTX1050 Ti or above, 8 GB

For 1080p60 recording: Intel Core i7-4810MQ, NVIDIA GeForce GTX 870M or above, 8

GB

Desktop

For 4Kp30 or 1080p120 recording: Intel Core i5-6XXX / AMD Ryzen 3 XXX or above,

NVIDIA GTX 1060 / AMD RX 5700 or above, 8 GB

For 1080p60 recording: Intel Core i5-3330 or above (i7-3770 recommended),

NVIDIA GeForce GTX 650 / AMD Radeon R7 250X or above, 4 GB

Mac system requirement:

MacOS High Sierra 10.15 and above, USB 3.0 port

iMac 2019: 3.2GHz 6-core Intel Core i7, Radeon Pro 555X with 2GB of GDDR5

memory, 16GB of 2400MHz DDR4 memory

MacBook Pro 2018: 2.6GHz 6-core Intel Core i7, Radeon Pro 560X with 4GB of

GDDR5 memory and above, 16GB 2400MHz DDR4 memory

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Game Link Combo

音效调节视频采集直播盒

说明书



感谢您购买 ezcap332 Game Link Combo 音效调节视频采集直播盒。请在使用前阅读本手册并将其保存在安全的地方以备将来参考。您可以使用该设备：采集和直播 HDMI 超清视频，最高达 2160p30 或 1080p120，调节麦克风音效并进行混音。

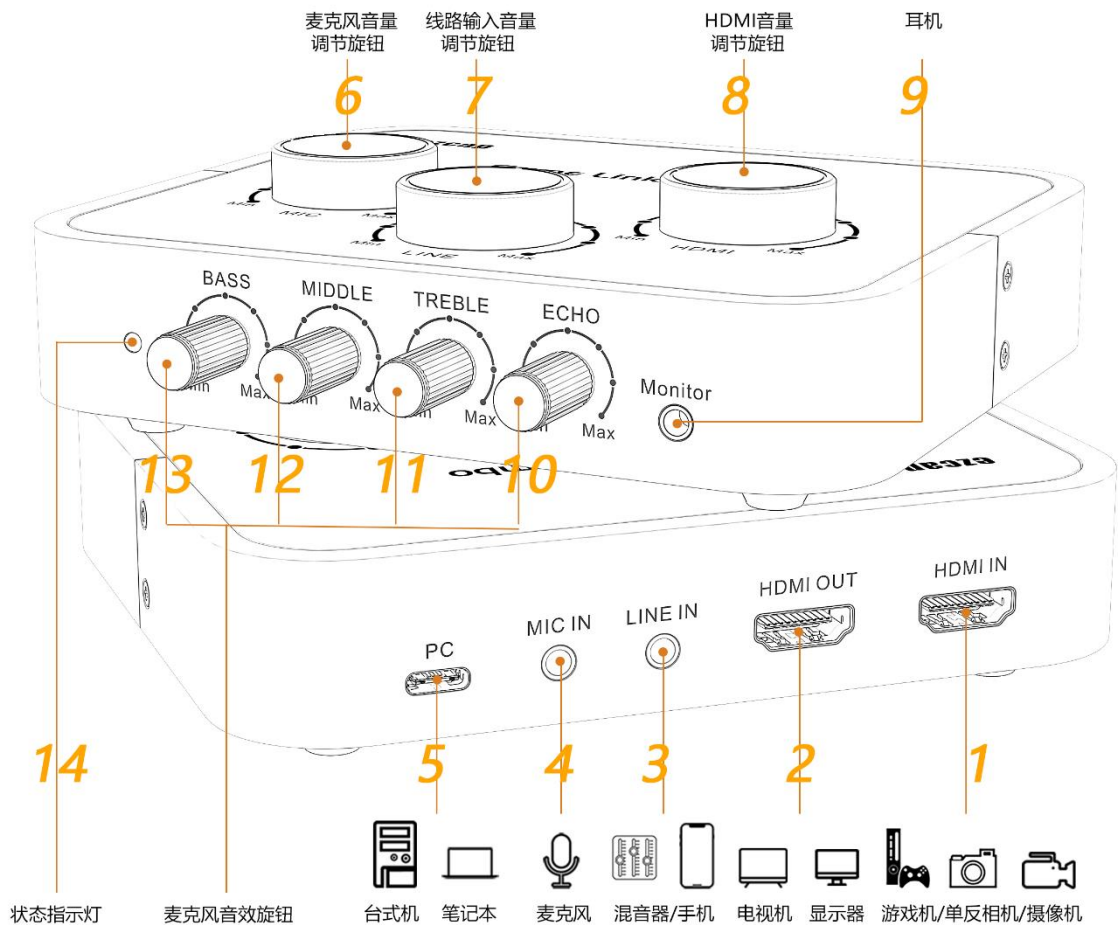
概览

包装内容

ezcap332 Game Link Combo 音效调节视频采集直播盒 x1, USB-C 转 A 连接线 x1, USB 转接头 x1, 3.5mm

TRS 公对公音频线 x1, 说明书 x1

产品概览与连接



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1. HDMI IN – HDMI 输入，用 HDMI 线连接视频源。
 2. HDMI OUT – 使用 HDMI 线连接到电视。
 3. LINE IN – 3.5mm TRS 音频线路输入接口，用配备的音频线连接到音频源，例如混音器等。
 4. MIC IN – 3.5mm 三节 TRS 麦克风输入接口，连接麦克风。
 5. PC – USB-C 接口，使用配备的 USB 连接线连接到电脑 USB 接口。
 6. MIC – 调节麦克风音量（顺时针转动，声音从低到高）。
 7. LINE – 调节线路输入音量（顺时针转动，声音由低到高）。
 8. HDMI – 调节 HDMI 音量（顺时针转动，声音由低到高）。
 9. Monitor – 3.5mm 三节 TRS 音频线路输出接口，连接耳机用于监听。
 10. ECHO – 调节麦克风回声效果。
 11. TREBLE – 调节麦克风高频音效。
 12. MIDDLE – 调节麦克风中频音效。
 13. BASS – 调节麦克风低频音效。
 14. 状态指示灯 – 连接电脑时为绿色，设备运行时为红色。

软件

我们推荐免费的专业的直播及录制软件 OBS，下载地址：<https://obsproject.com/>

开始使用

设备选择

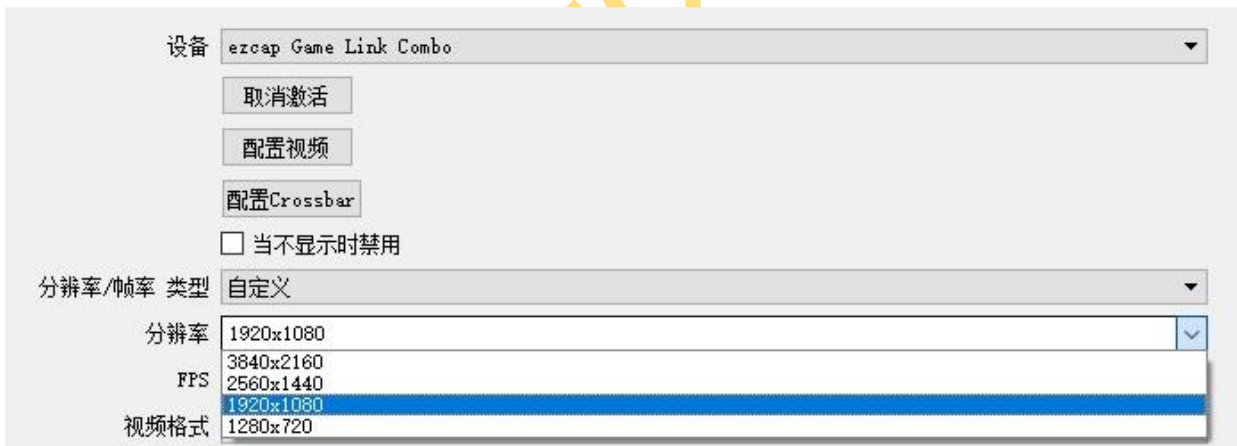
下载并安装后，双击桌面上的 OBS Studio 图标。单击 OBS 面板左下角的图标+，然后选择**视频采集设备**。

在弹出的窗口中单击**确定**，在弹出的窗口中单击**设备**旁边的下拉框，然后选择 **ezcap Game Link Combo**。



视频设置

设置完成后应该可以看到视频。如果不能，并且在窗口上看到 **Check Resolutions Settings**，则需要设置视频分辨率。单击**分辨率/ FPS 类型**，然后选择**自定义**，然后单击**分辨率**，选择一种与你的视频源分辨率相同或更小的分辨率。



若您的视频源分辨率为 3840 x 2160，且将 OBS 分辨率也设置为 3840x2160，你还可能会发现画面超出了 OBS 画框的范围。此时可右击软件窗口，选择**调整输出大小 (到源大小)**，则可将画面刚好填满画框。

您可以单击 **FPS** 以选择适当的帧率— **30,60,最高** 或 **匹配输出帧率**。还可单击**视频格式**选择适当的视频格式— **XRGB, NV12, YUY2** 或**任意**。

设备输出视频格式取决于分辨率,不同分辨率下不同视频格式的最高可达帧率 (FPS) 对应关系如下:


| | 视频格式 | 最大帧率 |
|-----------|------|------|
| 3840*2160 | NV12 | 30 |
| 1920*1080 | NV12 | 120 |
| | YUY2 | 60 |
| | XRGB | 30 |
| 2560*1440 | NV12 | 60 |
| | YUY2 | 50 |
| 1280*720 | NV12 | 60 |
| | YUY2 | 60 |
| | XRGB | 60 |

音频设置

请勾选**使用自定义的音频设备**，然后单击**音频设备**，选择 **HDMI (ezcap Game Link Combo)**，你应该能立即听到声音。单击**确定**完成设置。

视频格式 任意
 色彩空间 默认
 色彩范围 默认
 正在缓冲 ⓘ 自动检测
 垂直翻转
 音频输出模式 只采集音频
 使用自定义的音频设备
 音频设备 HDMI (ezcap Game Link Combo)

默认 确定 取消

如果仍然听不到声音，请单击**混音器**界面的  图标，然后选择**高级音频属性**。在新的弹出窗口中，单击**音频监听**，然后选择**仅监听 (输出静音)**。



为了音视频同步,请在上述弹出的窗口中的**同步偏移**下方填写- 470ms.你可依据实际情况调整数值,直至音视频完全同步。最后单击**关闭**完成设置。

如果无法完成上述音频设置听到声音,还可以点击上面图片中**音频输出模式**,选择**输出桌面音频 (WaveOut)**,这样就可以听到声音了。

调整 HDMI、麦克风和线路输入的音量

我们在采集视频或者直播的时候,经常需要调节麦克风音量,线路音量,或者 HDMI 视频音量,甚至需要静音。带有音量调节功能的 ezcab Game Link Combo 设计了独特的旋钮,您可以随时调节它们以满足您的需求。将对应旋钮逆时针转到底,对应音量静音,顺时针转到底,音量调至最大。

示例:您可以通过调节 **MIC** 麦克风音量调节旋钮来调节麦克风音量。连接耳机,您对着麦克风发出声音,然后同时调节麦克风音量旋钮,直到您觉得合适为止。顺时针转动旋钮将音量从低变高,逆时针转动到底,麦克风将静音。

注意:您通过耳机听到的音量与实际采集视频的音量以及直播终端的音量可能存在差异。请根据您的实际应用中采集视频的音量或直播终端的音量来调节到合适的位置。

麦克风音效调节

在采集视频或者直播的时候，或许要调节麦克风音效，本设备带有 **TREBLE** 高频，**MIDDLE** 中频，**BASS** 低频，**ECHO** 回声调节旋钮，您可以根据需要进行调整。

录制

单击 OBS 面板右下角的**设置**按键，然后在弹出的**设置**窗口中单击左侧的**视频**。单击**基础（画布）分辨率**选择适当的分辨率,单击**常用 FPS 值（帧率）**选择 FPS 值。如果要录制 120HZ 视频，请单击**常用 FPS 值（帧率）**本身的下拉框，选择**整数 FPS 值（帧率）**，然后在右侧栏框处输入 **120**。

在设置完成后，单击**设置**界面右下角的**应用**和**确定**按键以保存设置。



在各项设置完成后，单击**设置**面板右下角的**应用**和**确定**，然后只需单击**开始录制**即可开始录制视频，单击**停止录制**即可停止录制。

推流（直播）

单击软件界面的**设置**按键，然后单击**设置**面板左侧的**输出**，在**串流**栏目下，可以设置串流的**视频比特率**，**编码器**，**音频比特率**（根据计算机配置及网络速度进行调整）。单击**设置**面板左侧的**推流**图标，然后单击**服务**这一栏旁边的下拉框以选择所需的软件平台，单击**设置**面板右下角的**应用**和**确定**图标完成设置。单击 OBS 软件面板右下角的**开始推流**开始直播，单击**停止推流**停止本次推流。

注：您可以单击软件界面顶部的**帮助**菜单了解更多 OBS 的操作和方法。

产品规格

| | |
|----------------|---|
| 接口 | Type-C USB 3.0 |
| 视频输入/输出 | HDMI 1.4 |
| 音频输入 | HDMI, 3.5mm TRS 音频输入, 3.5mm 三节 TRS 麦克风 风输入 |
| 音频输出 | HDMI, 3.5mm TRS 音频输出 |
| 用户界面 | 音量音效控制旋钮 x7, 状态指示灯 |
| 最大输入和环出分辨率 | 1080p120, 2160p30, 1440p60 |
| 最大录制分辨率 | 1080p120, 2160p30, 1440p60 |
| 支持分辨率 | 2160p, 1440p, 1080p, 720p |
| 视频格式 | YUY2, NV12, RGB |
| 尺寸 (长 x 宽 x 高) | 136 x 138 x 40 毫米 |

电脑系统需求

Windows 10 x64, USB 3.0 端口 x1

笔记型电脑

录制 4Kp30 或 1080p120: Intel Core i7-7700HQ, NVIDIA GeForce GTX1050 Ti, 8 GB

录制 **1080p60**: Intel Core i7-4810MQ, NVIDIA GeForce GTX 870M, 8 GB

台式机

录制 **4Kp30 或 1080p120**: Intel Core i5-6XXX / AMD Ryzen 3 XXX, NVIDIA GTX 1060 / AMD RX 5700

or above, 8 GB

录制 **1080p60**: Intel Core i5-3330 or above (i7-3770 recommended), NVIDIA GeForce GTX 650 /

AMD Radeon R7 250X, 4 GB

Mac 系统配置:

MacOS High Sierra 10.15, USB 3.0 接口

iMac 2019: 3.2GHz 6-core Intel Core i7, Radeon Pro 555X, 2GB GDDR5, 16GB 2400MHz DDR4

MacBook Pro 2018: 2.6GHz 6-core Intel Core i7, Radeon Pro 560X, 4GB GDDR5, 16GB

2400MHz DDR4

Ver M332220402

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