

Common issues and solutions for audio-video out-of-sync in live streaming



When Audio and video are out of sync during the live stream, affecting the viewing experience, you can match the corresponding solution according to the live streaming tool and scenario for processing

1 OBSStreaming tool

Problem	Scenario	ProblemCause	SolutionMethod
1	OBSStreaming + Network frame loss	Streaming device NetworkPacket loss, resulting in frame loss or skipping in the input picture of the stream/ Frame skipping	It is recommended Check the OBS monitor andadjust the network by yourself:OBSHow to monitor the streaming quality? 2
OBS	Streaming + Ultra - high bitrateStreaming	Configuring an ultra - high bitrate requires a high network bandwidth. When the bandwidthis not sufficient, frame loss occursBandwidthIt is recommended	to set the bitrate according to the recommendedbitrate value: OBSRecommended live streaming settings 3

OBS streaming + Beauty filter plugin	The camera uses	YY Beauty and other plugins, causing a delay in the camera picture output and resulting in audio - video out - of - sync●	If the beauty plugin is enabled, it is recommended to turn off the beauty plugin and try● If a voice - tuning software is enabled, it is recommended to turn off the voice - tuning software and try● If the sound card has a built - in voice - tuning console, it is recommended to set it back to the default configuration and try● OBS Streaming + Device performance
The CPU usage of the streaming device is high, resulting in audio - video out - of - sync	It is recommended to check the OBS monitor. If the device performance is poor, consider replacing the device:	□OBS□How to monitor the streaming quality?5	OBS streaming + Non - network and non - device performance scenario If it is confirmed that the network and CPU of the streaming device are normal, it may be related to the audio offset
1. You can try	to adjust the audio synchronization offset and manually correct the audio and video	2. If the previous steps have no effect, try restarting OBS2	elink Live streaming clientProblemScenario Problem

CauseSolution

Method	1	Network jitter Network jitter causes packet loss and frame loss in the audio and video upload	When the client shows a poor network prompt,
it is recommended	to switch to a stable network	2	Device performance (mainly CPU)When the CPU load is high, the frame rate of audio and video picture capture fluctuatesIt is recommendedto close unused software or replace the device with better performance3
External microphone malfunction	The input delay of the external microphone causes audio - video out - of - sync	1. It is recommended to test whether there is a delay when using this peripheral in other software	2. If it malfunctions in all software, it is recommended to replace the problematic peripheral4
Custom beauty filter	Users use a custom beauty filter, which consumes performance and	affects audio and video encoding and decoding	It is recommended to temporarily turn off the beauty effect

or replace the device with better performance	5	Virtual camera input delayUsers use virtual cameras such as YY and OBS, but input delay occurs, resulting in audio - video out - of - sync	Third - party virtual cameras are currently uncontrollable. It is recommended to try turning off the virtual camera for debugging and observe whether there is a delay in the pictureTemporarily turn off the beauty effectOr replace with a device with better performance
5	Input delay of the virtual camera	The user is using virtual cameras such as YY or OBS, but input delay occurs, resulting in out-of-sync audio and video	Currently, third-party virtual cameras cannot be controlled. It is recommended to try turning off the virtual camera for debugging and observe if there is any delay in the picture