

Telepresenter Advanced Options Page

ADVANCED OPTIONS DESCRIPTION

Audio/video synchronization - If enabled (default setting), audio & video are synchronized during playback to maintain lip-sync. If disabled, audio & video are not synchronized during playback. In a typical configuration audio will be played ahead of video. If lip-sync is not needed you can disable this option to get lower audio or video latency. This is a decoder option only - it doesn't affect the encoder.

Burst video playback - This option is available if audio/video synchronization is disabled. If Burst video playback is enabled, the decoder forces video frame playback immediately after receiving. This will result in lower video latency but video playback will be jumpy due to encoder & network jitter. If disabled (default setting) video frames are delayed to achieve smooth, fluid video playback. If jumpy video playback is acceptable you can disable this option to get lower video latency. This is a video decoder option - it doesn't affect the encoder.

Bandwidth smoothing - If enabled (this is default setting), the encoder smooths the stream transmission and sends packets at the target bit rate. This will increase network jitter and latency. If disabled, the encoder will use burst transmission by sending all packets immediately after encoding. This will significantly decrease network jitter and latency but, depending on the network connection, it can cause packet loss and bottlenecks. If burst network transmission is acceptable you can disable this option to

get extra low video latency. This is a video encoder option - it doesn't affect the decoder.

Min & Max Quantizer - This option sets the minimum & maximum Q, affecting video quality. The valid range is from 1 (best quality) to 31 (worst quality). Default range is 2-10. Decreasing min quantizer will increase max video quality, increasing min quantizer will decrease max video quality. Increasing max quantizer will decrease min quality. Increasing max quantizer too much may cause encoder to skip frames in order to maintain target frame rate. This is a video encoder option - it doesn't affect the decoder.

CBR buffer size - Sets the Constant Bit Rate buffer size in seconds. This controls how much the bit rate can vary locally. A larger buffer size will result in higher overall video quality and less frame skips but will increase video latency. This is a video encoder option - it doesn't affect the decoder.

Max audio frames in packet - Sets how many AAC frames can be sent in one packet. The default value is 8 and the valid range is from 1 to 10. Lower values result in lower network jitter and lower latency but higher network overhead (each packet contains additional headers). Set to 1 to achieve the lowest audio latency. This is an audio encoder option - it doesn't affect the decoder.