LiveVoice

Import audio and video streams

Bring external audio or video streams (RTP and more) directly into your channels.

Features | Ingest audio | Live Translation | Silent Conferencing | Audio Description | Admin

Available in: PRO

While in most cases ingesting audio via hardware is the standard way, you can import audio and/or video to a LiveVoice channel also from an external streaming sources like Gstreamer.

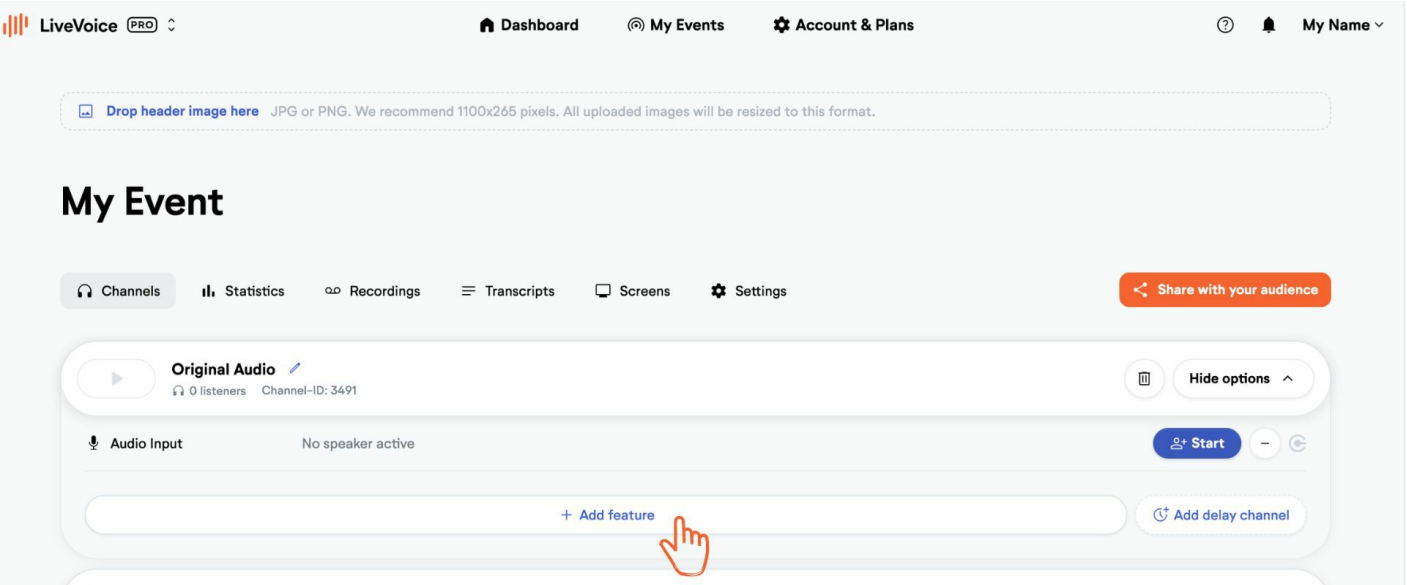
There are a number of different formats and codecs you can choose from, depending on what your external audio/video source offers as options.

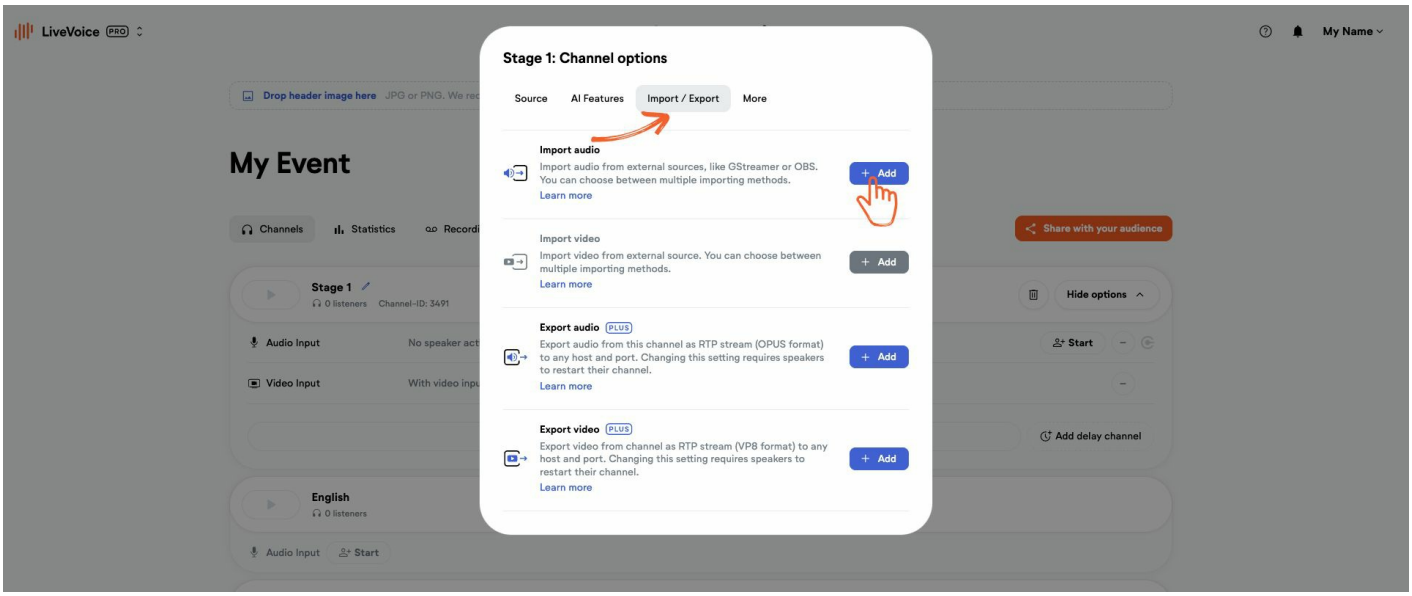
At the end of this article, you find some general advice and helpful information regarding importing.

Setup:

Step 1: Import audio

At the channel you want to import audio to, click "Show options", then "+ Add feature". Under the "Import/Export" tab, select "Import audio".

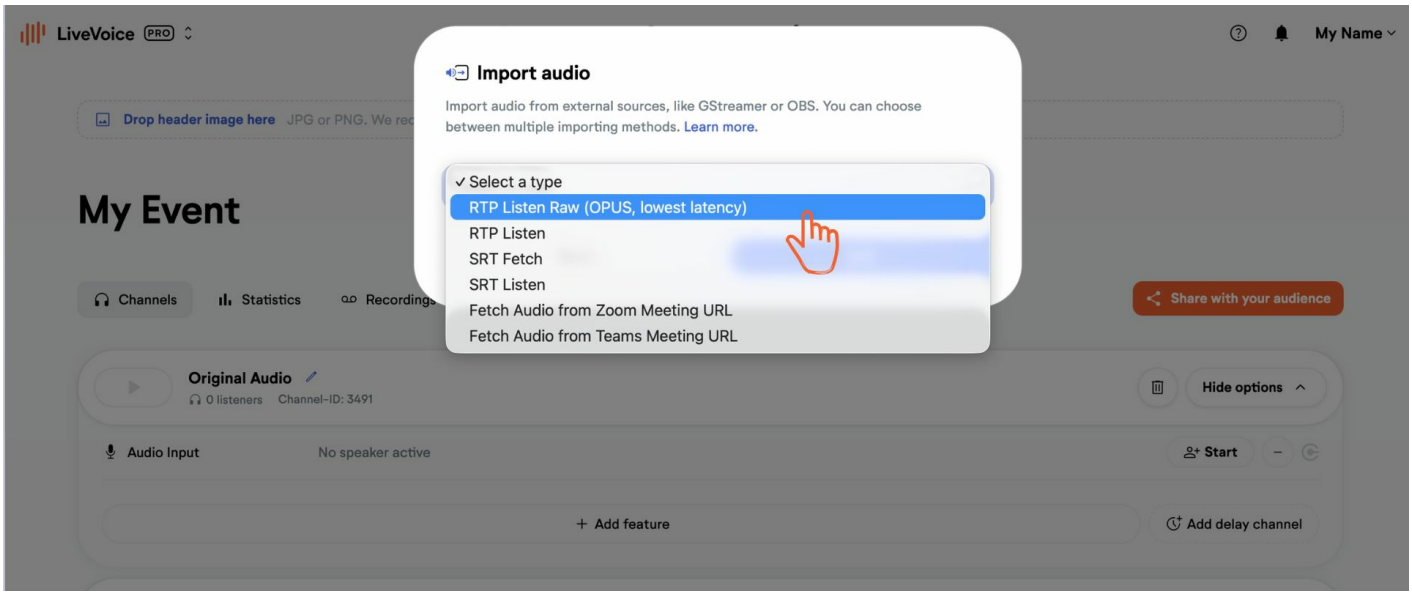




Step 2: Choose your format

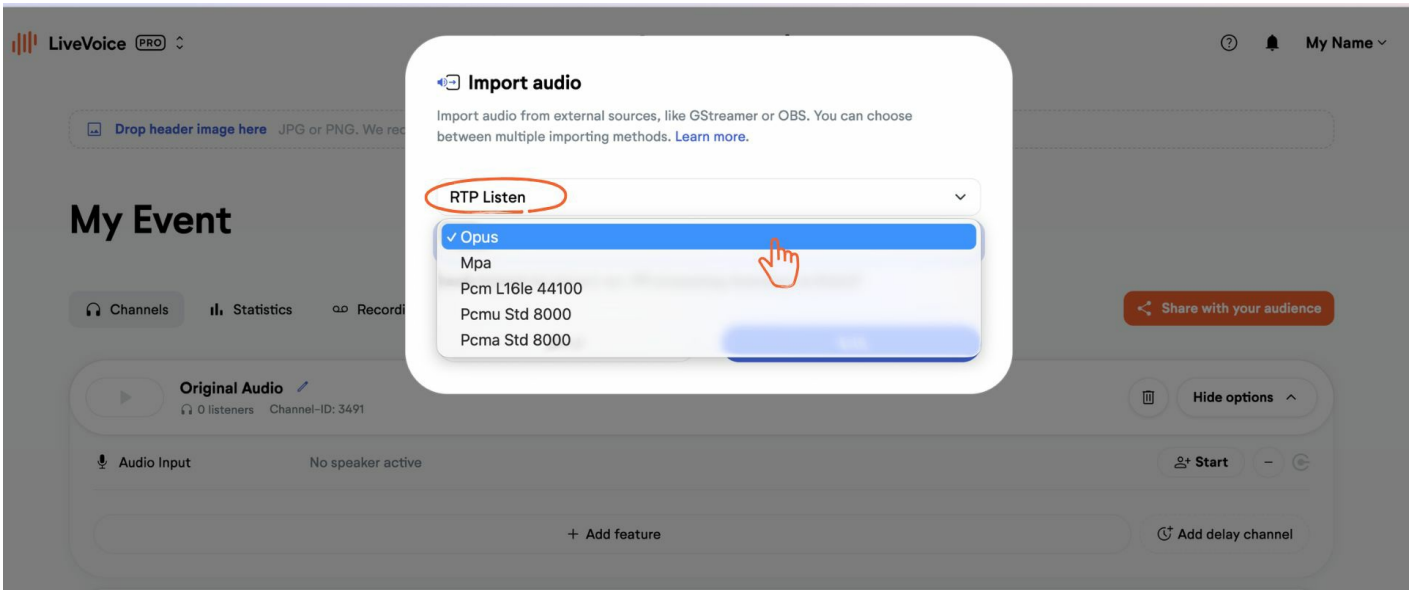
a) **RTP Listen Raw** (OPUS, the lowest latency) is the format we recommend the most, as this delivers the lowest latency of all formats.

Simply copy the stream URL and port that is generated by the system, and paste it to your exporting tool.

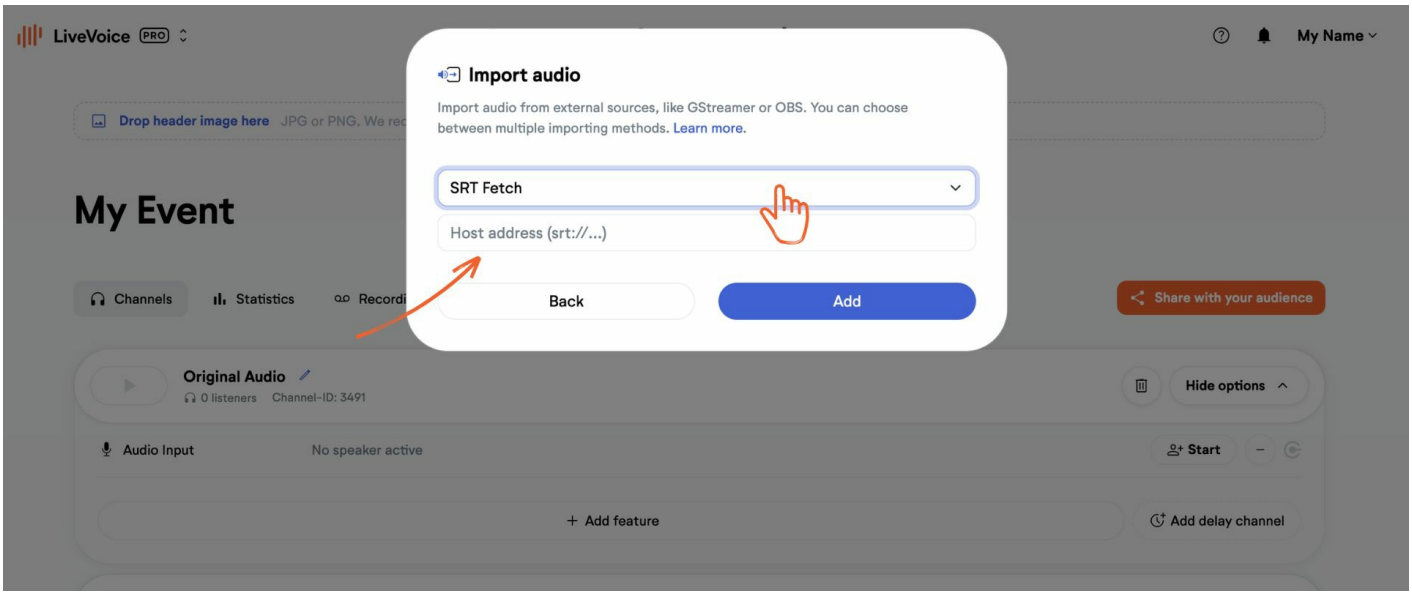


b) **RTP Listen (OPUS or MPA)**: Choose if you want to use the codes OPUS or MPA (MPEG Audio). Then copy the stream URL and port and paste it to your exporting tool.

Note: As with this format LiveVoice needs to do some processing for converting the format, this can add a very small delay.



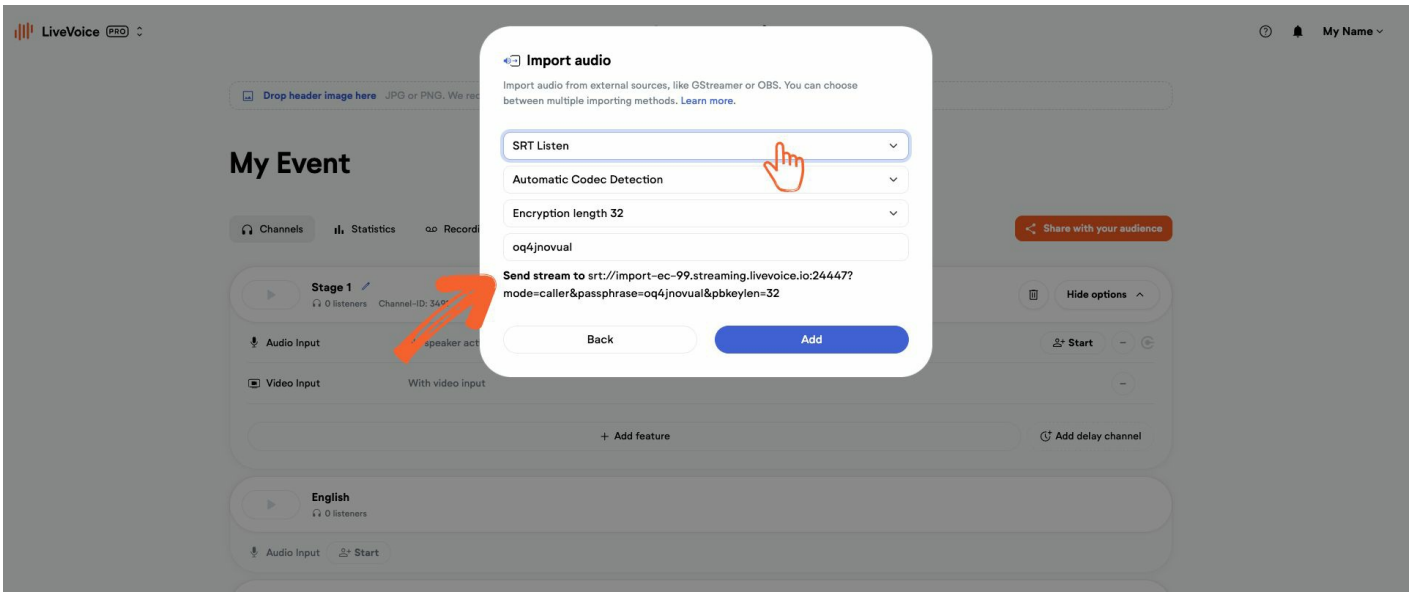
c) **SRT Fetch:** This requires you to have a server with a running stream. LiveVoice will fetch this stream from the host address you provide. This is why it is usually only used by experts. Enter the host address (IP address, stream ID, etc.) starting with srt://…



d) **SRT Listen:** This is what for example OBS requires. For OBS, simply use the pre-selected options and don't change anything. Then copy the generated URL to OBS. More on that here.

For other streaming sources, you may want to adapt the settings:

- Codec bin: Automatic codec detection or RTP/OPUS
- Encryption length 32, 24, 16 or no encryption
- Passphrase: Set a password of your choice that will be used for the encryption

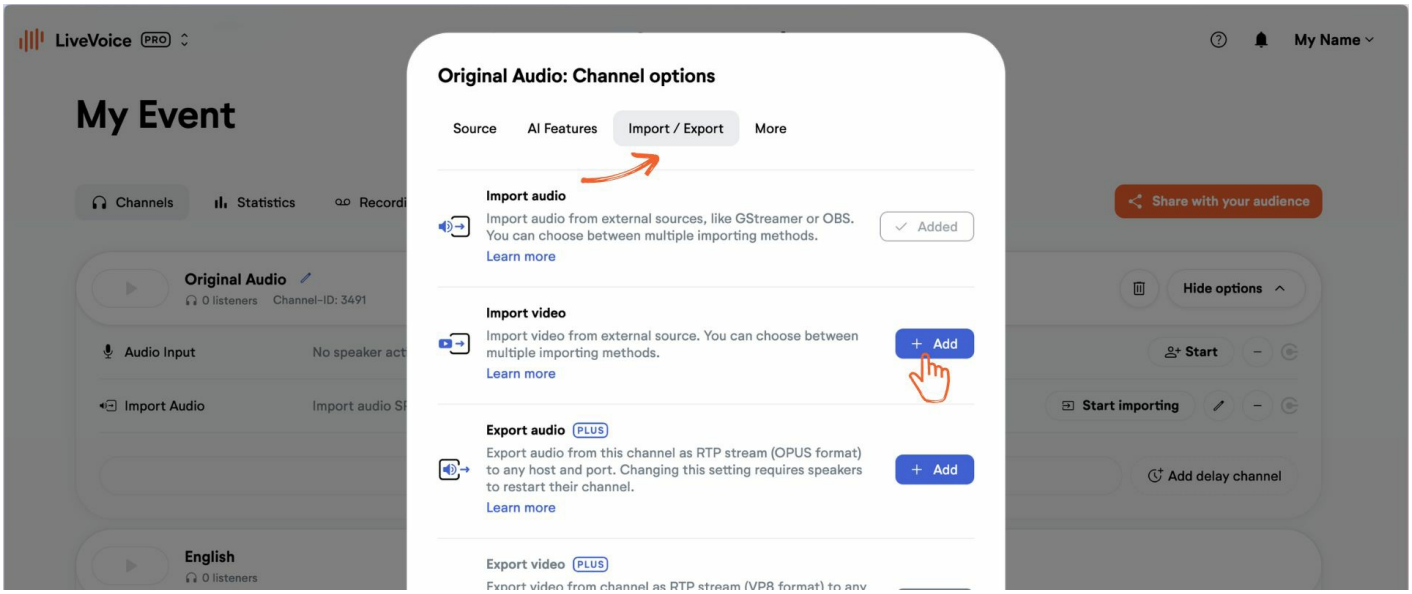


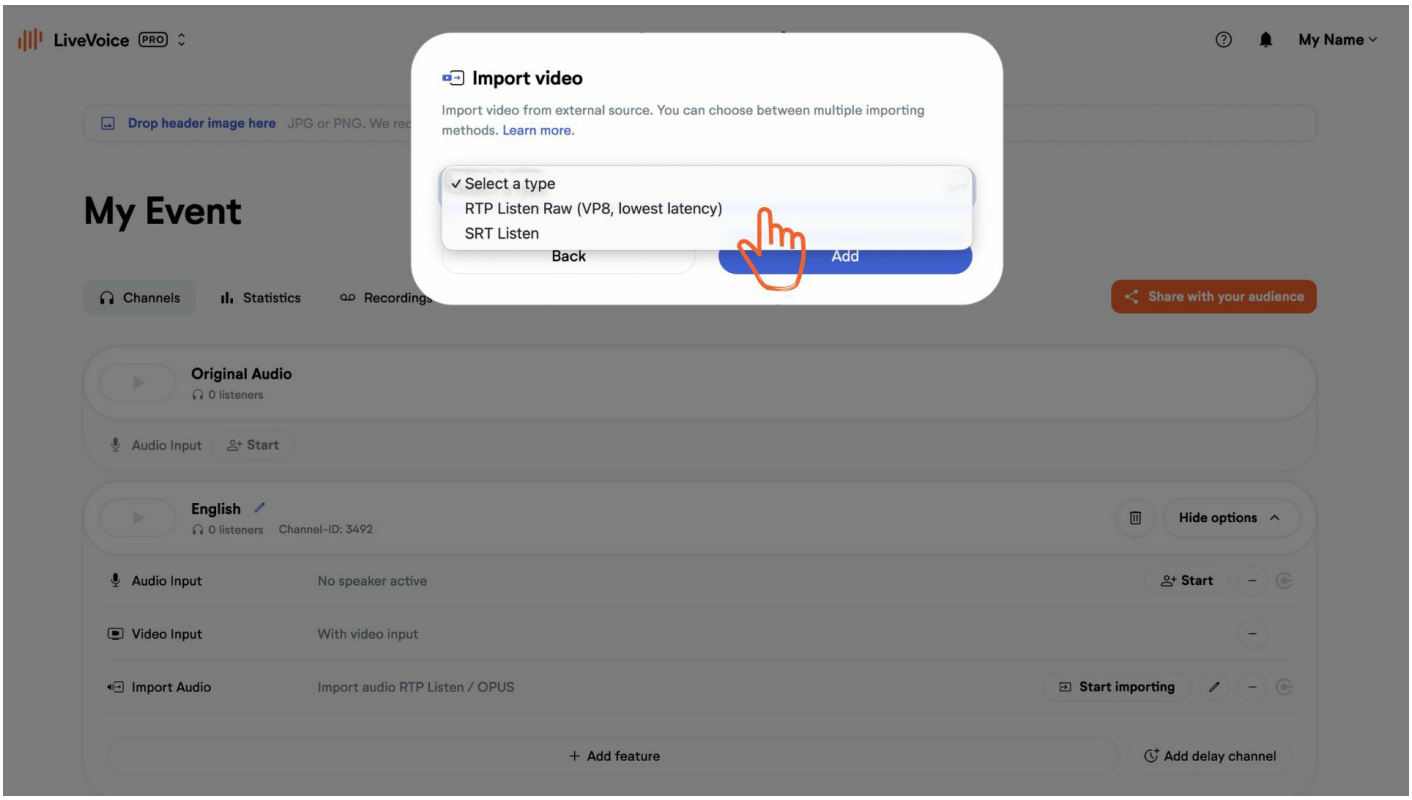
Import Video: Activate "Import Video" and choose your format.

a) **RTP Listen RAW (VP8)**

b) **SRT Listen (VP8)**

Copy URL and Port and paste it to your exporting tool.

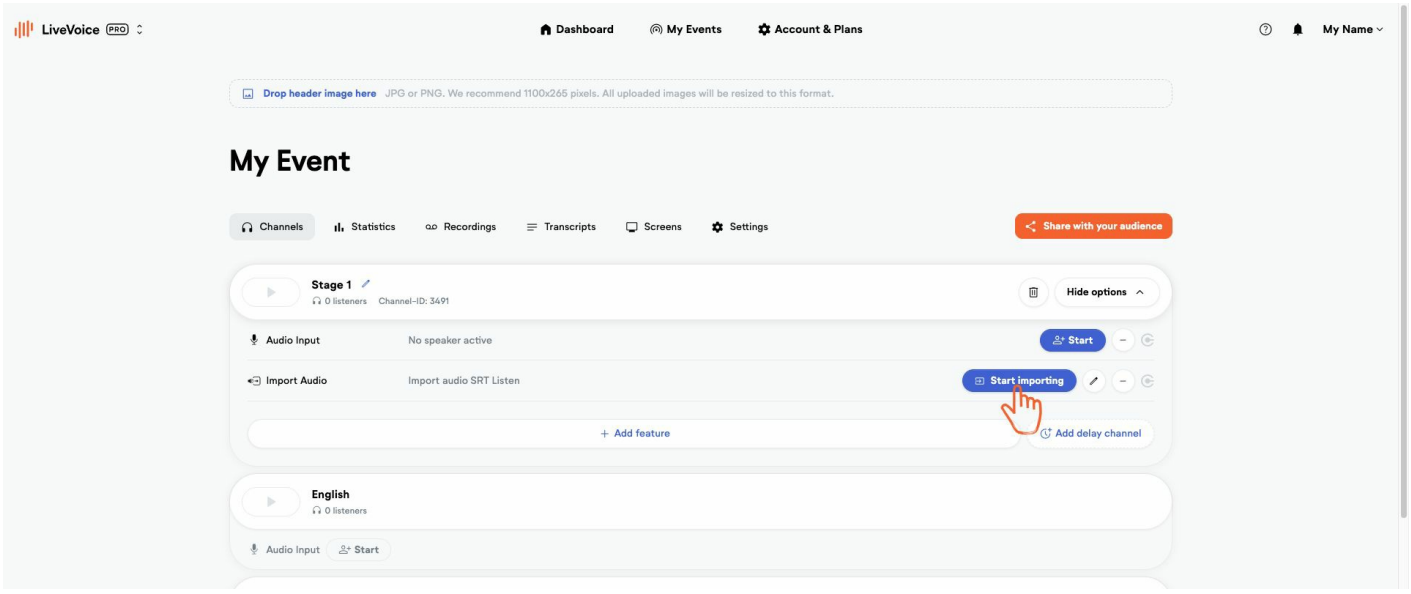




Step 3: Start importing

Once you saved your settings, you see a "Start importing" button in the admin interface. You can start and stop importing now anytime.

Note: Starting to import takes over the channel from any speaker who might be active. When a speaker of this channel starts streaming while you are importing, he will take over.



Helpful information regarding importing

Listening vs Calling

Generally, importing works either as "Listen" or "Calling". In most cases, the importing side (LiveVoice) will

"listen". But there are also formats that do it the other way round, like SRT Caller. In this case, your server has a stream running that LiveVoice fetches from it.

Protocols and Codecs

- RTP, SRT etc. are *media protocols*
- OPUS, MPA etc. are *codecs/formats* that work within these media protocols

Tools

If you are interested in the import feature, you are probably an expert in that field anyway and will have your own hardware or software. Still, we want to provide here at least three common tools used for exporting/importing audio and video that might be helpful to you:

- GStreamer
- FFmpeg
- OBS