



lib_voice: Voice processing library (README)

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vendor	XMOS
version	1.0.0
scope	General Use
description	Voice processing library
category	Voice
keywords	DSP
devices	xcore.ai

1 Summary

lib_voice is a collection of DSP components used to build a front-end voice processing pipeline.

2 Features

- ▶ Acoustic Echo Cancellor
- ▶ Delay Estimator
- ▶ Interference Cancellor
- ▶ Voice to Noise Ratio Estimator
- ▶ Noise Suppressior
- ▶ Automatic Gain Controller



3 Known issues

- ▶ None

4 Development repo

- ▶ [lib_voice](https://www.github.com/xmos/lib_voice) (https://www.github.com/xmos/lib_voice)

5 Required tools

- ▶ XMOS XTC Tools: 15.3.1
- ▶ Python: 3.11

6 Required libraries (dependencies)

- ▶ [lib_xcore_math](https://www.xmos.com/libraries/lib_xcore_math) (https://www.xmos.com/libraries/lib_xcore_math)
- ▶ [xmos-ai-tools](https://pypi.org/project/xmos-ai-tools/) (<https://pypi.org/project/xmos-ai-tools/>)

7 Related application notes

- ▶ None

8 Support

This package is supported by XMOS Ltd. Issues can be raised against the software at www.xmos.com/support or using GitHub [issues](#).



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