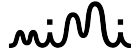




OS

Solution Setup



The configuration module is implemented in the device and within companion apps, with the processing module integrated into the audio stack of the OS, enabling real-time audio adaptation.

CONFIGURATION

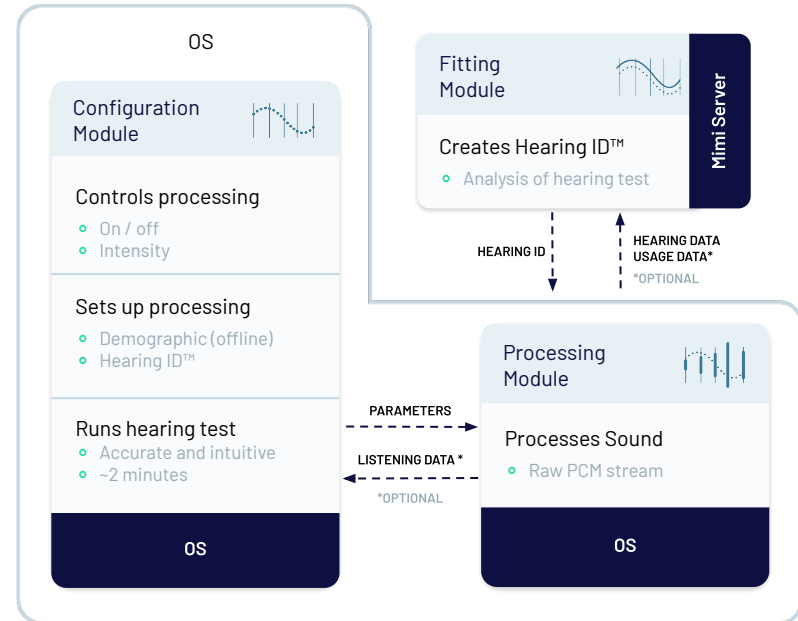
- **Hearing Test** measures the user's hearing ability through Mimi's intuitive and accurate hearing test
- **Hearing ID** a listener's hearing profile that enables sound personalization in all Mimi enabled devices
- **Demographic modes** age-based estimation of user hearing

FITTING

- **Data Analysis** informed by over 1 million hearing profiles, our server processes raw hearing data to generate results & the user Hearing ID™

PROCESSING

- **Audio processing** adapts sound to the unique hearing of the listener, with a biologically-inspired algorithm
- **Processing controls** allow users to set intensity and toggle on & off







OS

Platform Specs



Settings Integration		Configuration module	
Operating system	Android		
Integration language	Kotlin (1.3.21)		
Supported OS	Min. API 21 / 5.0 Lollipop		
Supported architectures	armeabi-v7a, arm64-v8a, x86, x86_64		
Required permissions	Microphone access		
SDK size	~7.2 MB		
MimiSDK version	v2.x (for Android Studio 3.5)		

Audio Integration		Processing module	
Integration type	Android Audio Effect		
Supported platforms	CPU and DSP (offloadable)		
Algorithmic latency*	4.4ms (@44.1kHz)		
Codecs	Independent of audio codecs		

*Reference figures from Mimi standard integration.

This document provides detailed insights into Mimi's technical specifications regarding an OS integration.

The Mimi processing module can be ported to further platforms, with new solutions on the roadmap. Please contact sales@mimi.io for more details.