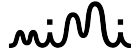




# Smartphone Solution Setup



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

## CONFIGURATION

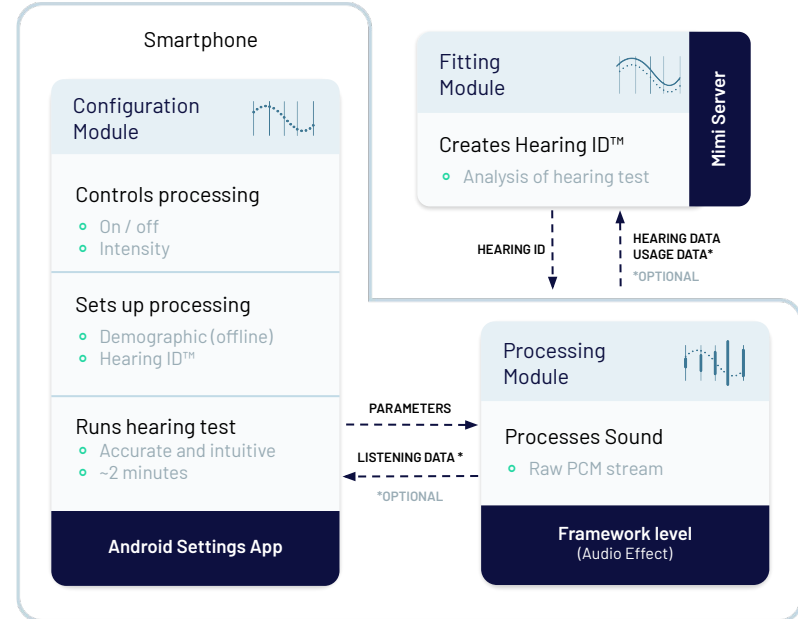
- **Hearing Test** measures the user's hearing ability through Mimi's intuitive and accurate hearing test
- **Hearing ID** a listener's hearing profile that enables sound personalization in all Mimi enabled devices
- **Demographic modes** age-based estimation of user hearing

## 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







# Smartphone

## Platform Specs



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

<b>Audio Integration</b>		Processing module	
<b>Integration type</b>	Android Audio Effect, CPU, DSP (offloadable)		
<b>Supported platforms</b>	Android		
<b>Algorithmic latency*</b>	4.4ms (@44.1kHz)		
<b>Codecs</b>	Independent of audio codecs		
<b>Supported DSPs</b>	Qualcomm Hexagon		

\*Reference figures from Mimi standard integration.

This document provides detailed insights into Mimi's technical specifications regarding a smartphone integration.

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