

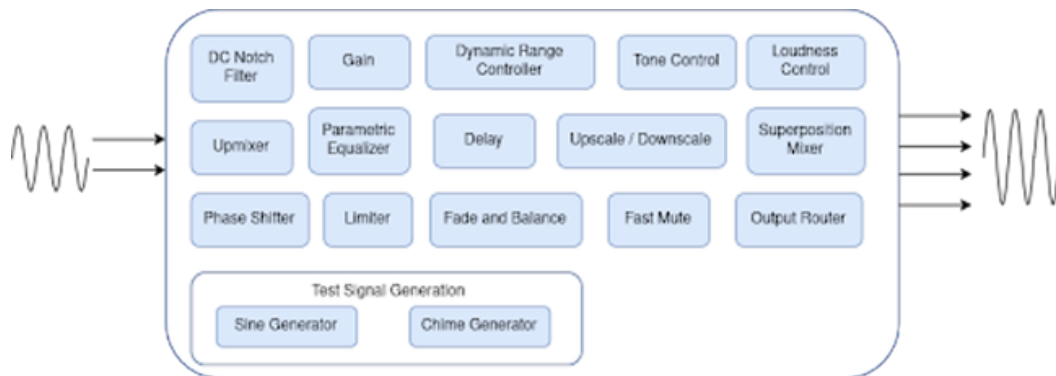
IAPP- Audio Post Processing Components inntot

Description

- Create differentiated audio experiences through software-defined signal processing.
- A flexible alternative to dedicated audio processing hardware

Applications

- In-vehicle entertainments: for premium audio experiences
- Hands-Free calling pipelines
- EVs: sound generations/alterations



Features

- SW based channel audio processing
- Scalable number of channels
- OEM specific tuning and customization
- Low latency
- Platform agnostic

Market Readiness

- Availability: ARM, DSP
- Optimised CPU utilisation
- Compact memory footprint
- Ported to multiple platforms
- Software SDK/API availability

Components Available

- Gain control
- DC offset removal
- Dynamic Range Control
- Tone and Loudness management
- Upmixer
- Multi-band Equalization
- Peak Limiting
- Fade & Balance
- Upmixer
- Signal Phase Shifting
- Channel Routing
- Delay
- Headroom adjustments (Up/down scaling)
- Mute/Unmute per channel
- Sine and Chime generators