



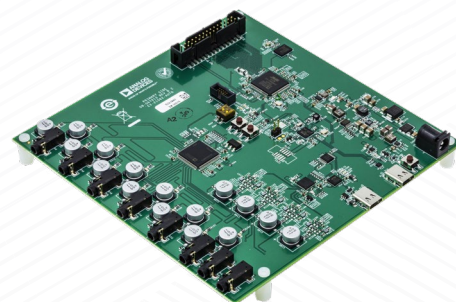
ADI LISTN[™] EZ-AUDIO System

Customize, Tune, and Deploy



Optimize Your Time to Audio

Not every company has audio and acoustic engineers on staff. Analog Devices and DSP Concepts have partnered to develop a full in-car entertainment system to help bridge that gap. The ADI LISTN[™] EZ-AUDIO System is a complete out-of-the-box audio amplifier system built upon Audio Weaver[®] and specifically optimized for the SHARC+[®] processor. Accelerate time to market and provide your customers with incredible sounding audio using this audio system.



Customize, Tune, and Deploy

- ▶ Easily test and tune the full featured audio layout using AWE Tune[™]
- ▶ Features Audio Weaver libraries optimized for the SHARC+ processor core and FIR/IIR accelerators
- ▶ Tuning of individual blocks for specific automobile cabin acoustics enables deep customization
- ▶ Schematics and Gerber files available to easily customize hardware
- ▶ Entry-level platform that can be scaled to support more input/output channels and algorithm complexity

For More Information

Web:

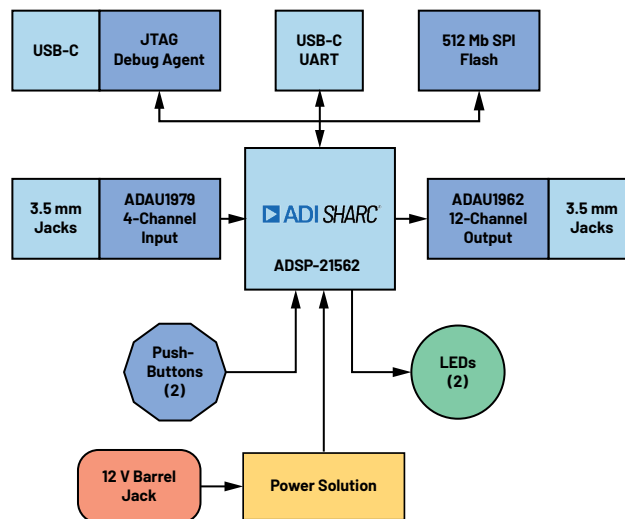
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Email:

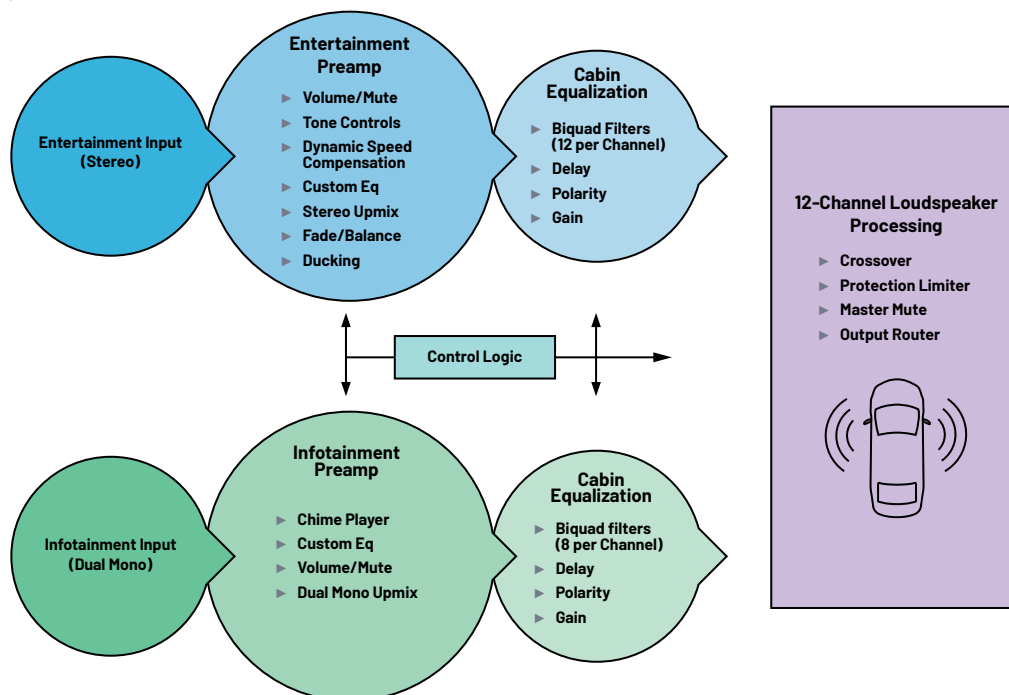
processor.tools.support@analog.com

Hardware Features

- ▶ SHARC+ ADSP-21562 audio processor
- ▶ ADAU1962 12-channel DAC
- ▶ ADAU1979 4-channel quad ADC
- ▶ UART for AWE Tune communication



Audio Features



Graphical Tuning Interface (AWE Tune)

- ▶ Tune everything included in the audio flow
- ▶ Tune with custom target hardware
- ▶ Audio flow library and manager
- ▶ Tune multiple channels at once
- ▶ Lock already tuned presets
- ▶ Copy, reset, save, and load settings from preset to preset
- ▶ Bypass-defined audio flow sections
- ▶ Included EQ tool to monitor CPU load
- ▶ Monitor and overwrite IPC values to simulate different vehicle conditions

