StreamSDK Audio streaming software solution.



StreamSDK is a **flexible**, **modular software solution** enabling **streaming audio**, **IoT**, **and voice assistant** functionality for consumer electronics devices. Portable to various classes of silicon and complimented by the StreamUnlimited ready-to-use hardware module family.

Example Product Segments

- Immersive audio products for speakers, soundbars
- High-end audio music players, AVRs, loudspeakers
- Smart Home & IoT
- ▶ Tabletop radios with DAB+ and FM
- "Works with" connected products
- Headphones

Software component provided by StreamUnlimited

Software component customizable by partner or customer

3rd party software component

Features

- ▶ AirPlay Audio, Google Cast
- Amazon Alexa, Apple Siri, Google Assistant, Tencent Xiaowei, White-Label Voice Assistant
- ▶ Multi-room
- Immersive audio: Dolby Atmos, DTS:X, 360 Reality Audio, Auro3D
- Airable, Amazon Music, Spotify Connect, TIDAL Connect, Pandora, Qobuz, QQ Music
- ▶ IoT Framework
- Audirvana Dante, Dirac Live, DSP Concepts, Illusonic, Roon
- ► DSD Support
- Playback of HD formats up to 384kHz / 24Bit
- App control, Host Interface
- ► USB MSC
- ▶ Ethernet, WiFi, Bluetooth, BLE, UPnP

	Application			Stream.Cloud
UI Resources				WebUI
				StreamAPI
				UPnP Mediarenderer
UI Engine	Smart-home	Content services	Multi-room & left / right streaming framework	Mediaplayer Immersive audio pipeline
	メネ Matter	A Music Services		
	🌼 Samsung SmartThings	Google Cast		Sound Processing
	🚹 HomeKit, Siri	💿 AirPlay Audio		DSP replacement
	Crestron	UPnP		Mic array
Graphics accelerator	Control4	🕴 Bluetooth, BLE		Echo cancellation
	Google Assistant	⊷ USB		Room correction
	O Alexa	🖉 LE Audio, AuroCast		3D rendering
	🔗 Tencent	Dinternal services		etc.
Low-power management Linux kernel and drivers				
Hardware				

StreamUnlimited, founded in 2005, is a supplier of software solutions and hardware modules for connected audio and IoT products, with over 120 employees at office locations in Vienna, Bratislava, Shenzhen, Osaka and San Francisco. As the de facto global system integrator offering its own IP and engineering services, StreamUnlimited development partnerships include all major semiconductor companies and technology providers in the consumer electronics and IoT channel. StreamUnlimited works with a global cross-section of high-end audio, CEDIA-channel, premium and mainstream consumer electronics and smart home manufacturers.



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