StreamSDK



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: Dolby Atmos, Voice Assistant built-in, DTS:X, Auro3D speakers, soundbars
- High end audio music players, AVRs, loudspeakers
- Smart Home, IoT
- ▶ Tabletop radios with DAB+/ FM
- "Works with" connected products
- Headphones

Software component provided by StreamUnlimited

Software component customizable by partner or customer

3rd party software component

Features:

- Chromecast built-in
- ► The Google Assistant
- AirPlay Audio
- Amazon Alexa
- Spotify Connect
- Tidal connect
- StreamThings IoT Framework
- Airable
- ▶ Tencent Voice Services
- ▶ Dirac Live, Roon, UPnP
- DSD Support
- Playback of HD formats up to 384kHz / 24Bit
- ► App control, Host Interface
- USB MSC
- Wireless, Ethernet and Bluetooth / BLE connectivity

			Stream.Cloud	
UI Resources	Application			WebUI
				StreamAPI
				UPnP Mediarenderer
UI Engine	Smart-home	Content services	Multi-room & left / right streaming framework	Mediaplayer Immersive audio pipeline
	📩 Matter	Music Services		
	🔅 Samsung SmartThings	S Chromecast built-in		Sound Processing
	🚹 HomeKit, Siri	🔄 🖌 AirPlay Audio		DSP replacement
	Crestron	UPnP UPnP		Mic array
Graphics accelerator	Control4	8 BT, BLE		Echo cancellation
	Google Assistant	• SB		Room correction
	O Alexa	🖉 LE Audio, AuroCast		3D rendering
	🔗 Tencent	Internal services		etc.
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, Iasi, Shenzhen, Japan and Santa Clara, CA. 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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