

# StreamPlayer

## Optimized Streaming Audio Player



### Feature Overview

- Optimized streaming audio player for ARM9
- Written in C++ for mostly POSIX-compliant OS
- Tag/metadata extraction
- Playlist support: pls, m3u, asx, wpl
- Trickmode support: fast forward/rewind with/without audio preview
- Soft mute/fading in/out mechanism
- Gapless playback
- Prepared for data input from network, USB, iPod/iPhone, analogue input
- Prepared for various streaming protocols and network readers
- Support of 16/24/32 bit resolution
- Works with any kind of SPDIF/IIS output driver
- FLAC, LPCM and Ogg available from StreamUnlimited, AAC (AACPlus, AAC-HE), MP3, WMA require respective licenses
- Options: external clock support, sample rate conversion

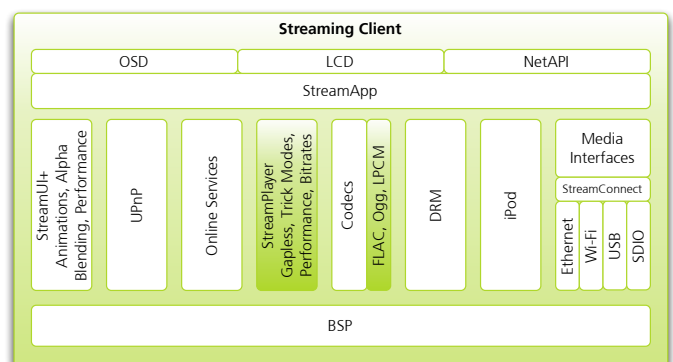


### About StreamUnlimited

StreamUnlimited is an integrated embedded engineering house focusing on innovative and quality consumer products. We have high level competences in Connectivity and User Interface Technology, powered by a strong background in Audio and Video. We provide development and integration services to our customers. StreamUnlimited also offers a range of fully featured products.

### Advantages

- Optimized for low CPU/memory utilization
- Equalized thread execution for smoother execution of the application stack
- iPod-USB support optimized for low audio latency, synchronous notifications and smooth audio out during track changes



- WAV decoder supporting 16/24/32 bit integer, IEEE - 0,24 float type3
- FLAC code optimizations in assembly resulting in support of FLAC 192/24 on ARM9
- Smooth audio output in case of sampling rate transitions -> no pop or click effects on the output or "unlock" state on SPDIF out
- Sophisticated error reporting
- Comprehensive code / fully maintainable
- Optional: can be made compatible to existing media player API

### Further information

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