

# System Audio



## The quality revolution in music streaming



– a new era for music lovers

Just a few years ago, music streaming was primarily about convenience. Audio quality was secondary, and most services offered compressed, low-bitrate audio to ensure fast playback and minimal data usage. Today, the situation is dramatically different. Thanks to faster internet connections and new streaming platforms focused on sound quality, we've entered a new era where the listening experience is once again in front.



*System Audio's wireless speakers are designed to deliver great sound experiences through streaming.*



## The evolution of streaming quality

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**From 96 kbps to 24-bit/192 kHz.** Early streaming services like Spotify offered audio at 96 kbps (Low Quality) and 160 kbps (Standard Quality), with Premium subscriptions reaching up to 320 kbps in Ogg Vorbis format. While this was sufficient for casual listening, it was far from CD quality (1,411 kbps in uncompressed PCM).



Hi-Res is nearly 30 times better  
than Spotify's standard quality.

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Today, services like Tidal, Qobuz, and Apple Music offer streaming in lossless and Hi-res formats:

- **Tidal HiFi Plus:** Op til 24-bit/192 kHz i FLAC
- **Qobuz Studio Premier:** Op til 24-bit/192 kHz i FLAC
- **Apple Music Lossless:** Op til 24-bit/192 kHz i ALAC

This corresponds to a  
bitrate of over 9,200 kbps,  
nearly 30 times higher than  
Spotify's standard quality.

## The role of the internet

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This development wouldn't be possible without the massive improvement in internet infrastructure. 5G gigabit connections have become commonplace, making it possible to stream hi-res audio without buffering—even on mobile devices. This has removed the technological barrier that once limited audio quality.



This development opens the door  
to a new generation of music lovers.

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## Spotify vs. Tidal/Qobuz



	Max quality	Format	Bitrate
Spotify	320 kbps	Ogg Vorbis	320 kbps
Tidal HiFi	1.411 kbps	FLAC (Hi-Res)	1.411 kbps
Tidal HiFi Plus	9.216 kbps	FLAC (Hi-Res)	Up to 9.216 kbps
Qobuz Studio	9.216 kbps	FLAC (Hi-Res)	Up to 9.216 kbps
Apple Music	9.216 kbps	ALAC (Hi-Res)	Up to 9.216 kbps

Spotify has announced plans to launch a “HiFi” service, but it is not yet widely available.



### A new era for music lovers

This technological advance has opened the door for a new generation of music lovers who not only want access to music—but the best possible experience. It’s no longer just about hearing music but about feeling it.

What you’ve been listening for



[system-audio.com](https://www.system-audio.com)

## Silverback by System Audio – built for Hi-Res streaming

To fully realize the potential of hi-res streaming, speakers capable of reproducing the full depth and detail of music are required. Silverback speakers from System Audio are designed precisely for this purpose. With built-in digital signal processing (DSP), wireless functionality, and support for high-resolution audio, the Silverback family is the perfect match for modern streaming services.

They reproduce music with a precision and clarity that allows you to hear nuances previously lost—from the faintest whisper to the deepest bass.



### Conclusion

Music streaming is no longer a compromise between convenience and quality. Thanks to faster internet and dedicated services like Tidal and Qobuz, it is now possible to stream music in a quality that surpasses CDs. For music lovers, this marks the beginning of a new era—and with speakers like System Audio Silverback, this experience can be fully enjoyed.

*Wireless music system from System Audio: Legend Silverback 40.2 DS and Stereo Hub HT.*

# System Audio

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