

» VOICE COMMUNICATION ENHANCES THE SOCIAL EXPERIENCE OF PLAYING ONLINE. FROM TEAM STRATEGY TO CASUAL CONVERSATION, PLAYERS VALUE THE CONVENIENCE AND EFFECTIVENESS OF VOICE COMMUNICATION OVER OTHER FORMS OF IN-GAME COMMUNICATION. »



BETTER VOICE. BETTER GAME.

Dolby® Axon is an integrated voice solution that delivers an immersing, high-quality surround voice experience for all types of games and virtual worlds. Dolby's proven server technology allows players to communicate online and provides high reliability and real-time scalability in a turnkey solution.

Dolby Axon enables developers to deliver a realistic voice experience that matches the game environment. Voices get louder as gamers approach one another, and fainter with distance. Like in life, voices are obstructed by objects in the game or virtual environment. Dolby Axon's integrated voice gives creative control and provides unique interactive features that expand game-play possibilities.

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## Dolby Axon Network— The Hosted Online Voice Solution by Dolby

Dolby Axon Network provides online game developers with a turnkey voice service based on Dolby Axon's proven architecture.

- » **Infrastructure Provided:** Dolby hosts the necessary infrastructure, so developers can focus on building the game while Dolby manages the player's voice needs.
- » **Simple and Flexible Voice Integration:** Dolby Axon Network is easy to implement with integration engineering support, flexible APIs, detailed documentation, and sample code.
- » **Multilayer Support 24/7:** Dolby offers around-the-clock service. Developers can rely on the quality support that Dolby is known for in cinemas, recording studios, and broadcast facilities the world over.
- » **Uptime Guarantee:** Dolby Axon Network gives online developers peace of mind with 99.9 percent uptime—guaranteed.

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## The Choice for Immersing In-Game Communication

Dolby Axon was developed from the ground up for games. It allows developers to creatively integrate voice communication into game play, from simple channel chat to beyond.

- » **Surround Sound:** Dolby Axon delivers an immersing and realistic voice experience complete with surround panning and distance attenuation.
- » **Occlusion Engine:** Dolby Axon's server dynamically responds to game geometry, enabling gamers to experience voice communication that matches the game environment. Players, for example, could hear around corners but not through walls.
- » **Voice Fonts:** Dolby Axon features voice fonts so players can alter their voices to better match their in-game personas.
- » **Dolby Voice Pipeline:** Dolby Axon features an innovative suite of proprietary voice processing technologies to deliver a clear voice experience free of unwanted noise, echo, clipping, and leveling problems.
- » **Flexible API:** Dolby Axon's flexible API enables creative integration and game-play options. Developers can create new voice items in games (such as spy microphones) to enhance game play.

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## The Choice for Efficient Voice Server Operations

Dolby Axon servers utilize advanced server mixing, networking technology, and a proprietary Dolby codec to achieve massive scalability and efficiency.

- » **Massive Scalability:** Dolby Axon seamlessly scales across servers to support very large worlds. It also supports various world architectures and multiple instances.
- » **Bandwidth Efficiency:** Dolby Axon delivers a high-quality surround voice experience with very low bandwidth. Average bandwidth for complex surround scenes is as low as 16 kbps per player.
- » **Server Tools:** Dolby Axon offers game operators server and abuse monitoring tools to make operating voice servers easy.
- » **Flexible Hosting Options:** Game developers are free to select a hosting option that works best for their needs.

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## Fast, Simple Integration

The Dolby Axon software development kit features a comprehensive set of software libraries and API documentation for ease of integration. Dolby's team of engineers will assist with the implementation every step of the way.

Email [games@dolby.com](mailto:games@dolby.com) for more information.



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