



## Connect Your Software to the Industry Standard in Networked Audio



**Native Integration:** Build Dante connectivity directly into Windows and macOS applications.



**Scalable Audio:** Up to 64×64 channels of bidirectional, uncompressed audio.



**Non-Interference:** DAL instances co-exist with Dante Virtual Soundcard, Dante Via, or other DAL-enabled apps on the same computer.



**Complete Control:** APIs for instance management, audio transfer, & connections with other Dante devices.



**Full Dante Interoperability:** Compatible with all Dante hardware and software products.

The Dante Application Library (DAL) enables software developers to integrate Dante network audio directly into their applications. With DAL, your software appears on the Dante network as a fully functional device, able to send and receive high-quality audio streams, subscribe to other Dante endpoints, and be managed with familiar Dante tools.

DAL eliminates the need for external hardware interfaces or additional middleware, empowering developers to provide a streamlined, branded experience that puts connectivity directly into their applications.

### Implementation Made Simple

Dante Application Library includes libraries, binaries, and example applications to speed integration. Developers set key properties such as channel count, sample rate, and device name, and link DAL buffers with their application's audio sources and outputs.

DAL then handles discovery, routing, and network transport while supporting up to 64×64 channels with configurable latency and reliable co-existence alongside other Dante software.

### APIs Designed for Developers

The DAL API is built to make integration straightforward, with three parts that cover setup, audio handling, and connectivity. It lets applications create and manage Dante instances with the right configuration for each use case, move audio samples reliably between DAL and the software, and, if desired, establish simple audio routes to other Dante devices in their software. Together, these capabilities make it easy to tailor Dante integration to the needs of each product.



## Part of the Dante Platform

If your customers are serious about audio, they're likely already using Dante. With thousands of products available from hundreds of manufacturers, the Dante ecosystem is the largest interoperable AV-over-IP platform in the world. Dante Application Library makes your software part of this family, connecting it directly to the world's most trusted AV-over-IP network.

Your application is instantly discoverable and routable through Dante Controller, giving users a familiar way to configure and connect to devices. For larger or more complex deployments, Dante Domain Manager or Dante Director extend capabilities with enhanced security, user access control, and system-wide monitoring across multiple sites and subnets. Together, these tools ensure your application can scale confidently to meet customer needs.

## Applications

With DAL, developers can deliver applications with networked audio for use cases such as:



**Unified Communications:**  
Conferencing and meeting platforms



**Software DSPs:** Mixers and effects processors



**Pro Audio:** Digital Audio Workstations (DAWs), recording, and post-production tools.



**Custom AV Solutions:**  
Purpose-built applications for collaboration, monitoring, or media playback.



**Education / Government:**  
Lecture capture, courtroom recording, interpretation.

## Requirements

Category	Details
Operating System	Windows 10/11 & macOS
CPU Support	x86_64 and Apple Silicon
Audio Channels	Up to 64 input, 64 output
Audio Flows	Up to 32 transmit, 32 receive
Sample Rates	44.1, 48, 88.2, and 96 kHz
Encoding	PCM 16/24/32-bit, or custom encoding
Latency	4–10 ms; configurable
Time Source	Precision Time Protocol (PTP) or received audio
Network	Wired Gigabit Ethernet (Wi-Fi not supported)
Integration	Delivered as library + API
API Language	C++11 (examples in C# and Objective-C included)
Compatibility	Works with Dante Controller, Dante Domain Manager, and Dante Director

## Evaluation and Licensing

To request a free evaluation or inquire about production licensing, visit:

[getdante.com/dal](https://getdante.com/dal)