

**WAVE Software**

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# WAVE Software

Twisted Pair Solution's WAVE software solves the unified group communications challenges facing enterprises of all sizes. From life-dependent voice communications in the military, government agencies and public safety groups from state-of-the-art emergency response systems at major international airports, to mission-critical trading operations for global financial institutions,

**WAVE technology leverages the power of software to enable customers to meet their most demanding communications challenges.**

WAVE is a distributed and highly reliable VoIP software application which connects users together regardless of device type. WAVE can support hundreds of groups of simultaneous users with a single commercial off the shelf Windows-based server and by enabling an extensive range of disparate communications devices to work together, WAVE customers can achieve complete systems interoperability at a fraction of the cost of proprietary hardware alternatives.

WAVE allows previously incompatible systems to work together seamlessly: Push-to-Talk Radio all types, including P25 and TETRA PCs and PDAs Analog and Digital PBX Phones IP Phones Mobile Phones Intercoms Broadcast Systems. WAVE software addresses a critical need for secure and reliable unified communications between networks of differing capability and performance. Network managers can quickly configure WAVE to support any network type, enabling full communications interoperability across multicast, unicast and mixed-mode networks.

**Only solutions based on standards-based software can provide the breadth of options and flexibility necessary to operate in the world's most challenging environments.**

WAVE performs channel mixing on standard PCs, using a distributed mixing architecture to spread mixing resources out across the network, ensuring higher reliability with no single point of failure. Proprietary hardware-based solutions use dedicated Digital Signal Processor (DSP) resources which increase system cost and risk of failure.

WAVE provides extensive web-based management capabilities, real-time and historical reporting, system-wide status and presence monitoring, profile-based user management with Active Directory integration, and full support for your existing communications infrastructure. WAVE includes a sophisticated software console for dispatch and command and control operators, with user status, presence, radio tone injection, recordings, instant replay, and text messaging available.

**WAVE's unique architecture, game-changing functionality and SDK-enabled developer environment sets it apart from yesterday's hardware-based proprietary alternatives.**

Designed for secure and reliable operation, WAVE supports advanced AES and custom encryption, with full failover and headless peer-to-peer operation, regardless of device, network or operator failures. WAVE is designed to instantly recognize system failures and to self-heal so communications can continue uninterrupted.

## WAVE Software

Renowned for its ability to allow scaling to thousands of real-time voice users without creating adverse network load, WAVE operates with a highly scalable data distribution infrastructure that enables text messaging, status and presence monitoring that facilitates custom applications that may require additional data streams.