

WAVE is VoIP Software that Connects Any IP Accessible Device:

- Two-way Radios
- PCs & PDAs
- Mobile Phones
- Telephones
- Paging Systems
- Intercoms

WAVE is:

- 100% Software
- Built to Open Standards
- Independent of Proprietary Hardware
- Customizable

WAVE Benefits:

- Increases the Value of Investments in Radio, IP and Telephony
- Increases Productivity Through Interoperability & Collaboration
- Increases Flexibility and Modularity Through Open Standards
- Extends Unified Communications to Include Radios
- Enhances Communications Reliability
- Lowers Communications TCO



Fast and seamless collaboration among public safety groups is a mission-critical requirement.



Instant communication is a requirement among public safety organizations responsible for protecting lives and property during disasters and other large-scale emergencies. Informed and coordinated response requires tight collaboration among state, local, public and private organizations—collaboration that depends on a single communications framework, not a disparate collection of incompatible equipment.

When an emergency like a wildfire grows in scale or cuts across boundaries, it's common for state and local agencies to have difficulty collaborating because each response group operates its own distinct set of communications equipment. This lack of interoperability threatens the effectiveness of each agency, placing the lives of civilians and aid workers in harm's way. A new standards-based approach to communications is helping state and local agencies break down the technological barriers that prevent fire, police, EMS and other organizations from sharing information in real time.

Disasters can span federal, state and local, tribal and municipal lines in an instant. Fast and seamless collaboration among public safety groups during these unpredictable events is the single most important service state and local governments deliver their communities

The lack of interoperability at the state and local level is due to agencies treating internal and external communications as separate initiatives. In a fully interoperable deployment, they must be combined into one initiative and tackled simultaneously. This unified approach ensures the greatest number of communications devices, applications and networks will be supported across all internal and external fronts. To achieve this level of fully interoperable communications, organizations are turning to WAVE software from Twisted Pair Solutions.

Deployed for mission critical communication by the U.S. military and public and private organizations across the globe, WAVE software eliminates communication barriers while integrating legacy equipment with the latest cutting edge devices. Through the power of IP networks, WAVE software allows organizations to seamlessly connect a broad range of communication technology, from two-way radios, cell phones, pagers, satellite phones and related mobile devices, to in-office technology such as email, intercoms, instant messaging and of course traditional telephones. With WAVE, employees can directly interact regardless of device, increasing efficiency and speeding decision-making.

WAVE Supports and Bridges all Types of Military and Commercial Radio System, Including:

- Bendix
- CougarNet
- Daniels
- EF Johnson
- General Dynamics
- HarrisRaytheon
- iCOM
- Kenwood
- M/A-COM
- Midland
- Motorola
- Relm
- Sprint Nextel
- Tadiran
- Tait
- Vertex Standard

WAVE Interoperates with Multiple Radio and Telephony Gateways, Including:

- C4i RIU
- Cisco 2811 Router E&M
- Daniels UIC
- ETC DS-1800
- Harris 6010
- Raytheon JPS ACU-1000
- Raytheon NXU-2
- Telex IP-223 and NI 223
- TOCNET
- Voice Interop AM360

WAVE supports all radio communications frequencies, including HF, UHF, VHF, SATCOM and operates independent of COMSEC, KEYMAT, and frequency hopsets.

WAVE works with TACLANE, ANDVT, and other Type 1 encryptors. When working with Type 1 encryptors, WAVE can be configured to route secure traffic over a

Software Connects Groups Within and Agencies Without

Incompatible devices prevent connectivity in the field by creating isolated silos. These silos become barriers to collaboration for agencies that operate in the field, as they prevent connectivity between federal, state, local and private entities. Interoperable communications software delivers the framework state and local agencies need to ensure all-hands collaboration at the site of an emergency. Designed to link any combination of communications systems together in a single, comprehensive framework, interoperability software is the only option when lives hang in the balance.

WAVE software not only helps state and local agencies achieve interoperability across their own systems but with any fellow agency. Public safety workers can then make faster and more informed decisions during major incidents like fires, earthquakes, storms and terrorist events.

Leverage Existing Investments

Few state and local organizations can afford to just “rip and replace” their existing communication infrastructure. WAVE eliminates this concern, allowing organizations to fully leverage existing devices and procedures while embracing the latest systems and standards from virtually every communication hardware and software vendor. This enables organizations to reduce ongoing operating and maintenance costs, repurpose existing equipment and even connect previously incompatible equipment and groups.

Flexibility and Scalability

WAVE’s open platform means that public safety organizations don’t have to predict what they are going to need for communications at the scene. Its ability to bridge and unite radios and other devices regardless of technology, manufacturer, frequency or operator means that fire and safety personnel can talk with utility or medical personnel, whether from the same city or across the country. And WAVE offers massive scalability to support huge numbers of participants across various political, geographic or organizational boundaries.

Cost Effective

With limited available funding to support local or state-wide interoperability projects, organizations across the country are selecting WAVE software as the most cost-effective path to unified communications. Hardware solutions simply can’t compete; WAVE can deliver connectivity, conferencing, recording and bridging at a fraction of the cost of these proprietary systems. And even if you’ve adopted the latest unified communication platforms from leading vendors, WAVE can easily extend them to embrace a host of new devices and services.

WAVE Integrates Directly with:

Microsoft® Office Communications Server 2007 R2
IBM® Lotus® Sametime™
Nortel IP Telephony