Wireless and wired headset communication systems for enhanced safety, hearing protection and clear communication

FIRE/EMS VEHICLE COMMUNICATION SOLUTIONS

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DAVID CLARK COMMUNICATION SYSTEMS FOR FIRE/EMS PERSONNEL

Every second counts, both en route and at the scene. There’s no time for repeating commands and no margin of error for miscommunication. That’s why thousands of fire departments and EMS personnel rely on our communication solutions. David Clark wireless and wired systems feature durable, quality-made headsets and related system components to provide clear communications above the roar of engines and sirens to enhance the safety and performance of firefighting and EMS professionals.

WIRELESS SERIES 9900

WIRELESS MOBILITY PROMOTES SAFETY FOR FIRE/EMS OPERATIONS

David Clark Series 9900 Wireless Headset Communication Systems provide maximum freedom and mobility as well as clear communication for fire apparatus and emergency vehicles. Crew members move about freely and easily without being tethered to a fixed position. Communication is clear and safety is dramatically improved.

Wireless systems are compatible for use with existing David Clark Company Series 3800 wired intercom systems and with most HF, VHF and UHF radios.

SYSTEM COMPONENTS: HEADSETS

H9940
- Behind-the-Head
- Dual Ear Noise Reduction Rating: 23dB

H9941
- Behind-the-Head
- Single Ear (Slotted Dome)
- Audible Ambient Sound

Features
- Rugged construction, all hardware marine-grade stainless steel
- Dynamic earphones with stainless steel retainers
- Immersion-proof, M-87 type, noise-cancelling microphone
- Water-tight volume controls
- Undercut, 'Comfort-Gel' ear seals cradle the ear for secure yet comfortable fit
- Adjustable overhead support assembly
- Many other headset styles available

Visit www.davidclark.com/wireless for complete wireless headset listings and specifications
**SYSTEM COMPONENTS: GATEWAY**

The U9922-G38 Gateway acts as a relay for all audio between Belt Stations and existing wired intercom system (Series 3800).

**U9922-G38**
3800 Gateway

**Features**
- Hands-free, full-duplex intercom
- Provides range of up to 300 feet (line-of-sight) to all linked Belt Stations
- Several Gateways can be tied together to expand the number of wireless users
- Multiple independent Gateways operate in same RF vicinity with no cross-talk
- Compatible for use with most mobile radios
- Easy, seamless integration to existing 3800 systems
- Can also be used as a stand-alone intercom system for up to 4 wireless users
- EU version available: U9922-G38(EU)

**SYSTEM COMPONENTS: BELT STATIONS**

Belt stations transmit and receive all system audio, to and from the Gateway and user’s headset.

**U9910-BSW**
- Hands-free, full-duplex, voice-activated (VOX) intercom communication
- EU version available: U9910-BSW (EU)

**U9913-BSW**
- Same as U9910-BSW, except PTT acts as VOX override only (no radio transmit capability)
- EU version available soon: U9913-BSW(EU)

**Features**
- Accommodates any Series 9900 wireless headset
- DECT-based technology provides secure signaling and prevents unwanted ‘cross talk’
- Marine-grade, water-tight, impact-resistant enclosure for rugged durability and reliability
- Audible voice prompts confirm link, range and battery status
- Rubberized outer skin provides impact protection and is oil, water and UV resistant (color varies by model)

Visit www.davidclark.com/wireless to see complete specifications for all Series 9900 Gateways and Belt Stations
SYSTEM COMPONENTS: CORD ASSEMBLIES

The Series 9900 Wireless Communication System is complemented by a variety of cord assemblies offering interface options to other wired or wireless system modules, mobile radios or DC power sources. Rugged, weather-proof MS connectors offer reliability and ease of installation.

**SYSTEM CONFIGURATION (3800 RETROFIT)**

- **C99-22PW POWER CORD**
  - Used with U9922-G38 for a stand-alone wireless system for up to four users
  - 20 ft. length with connection to U9922-G38 system input and 8-32 VDC power

- **C98-20PW POWER CORD**
  - Used with U9925-GEM for multiple Gateway stand-alone wireless systems
  - 20 ft. length with connection to U9925-GEM system input and 8-32 VDC power

- **C99-20MS GATEWAY INTERFACE CORD**
  - Used to connect up to four U9922-G38 units to a U9925-GEM, for a stand-alone wireless system for up to 16 users
  - 20 ft. length with connection to U9922-G38 and U9925-GEM system inputs

- **C38-XX JUMPER CORD**
  - Used with U9922-G38 for a stand-alone wireless system for up to four users
  - 20 ft. length with connection to U9922-G38 and 8-32 VDC power

- **C3821 RADIO INTERFACE CORD**
  - Connects Gateway and Series 3800 Radio Interface Modules to mobile radios
  - 21 ft. length with connection to Gateway or Series 3800 radio input

**SYSTEM CONFIGURATION (STAND ALONE)**

- **C99-22PW POWER CORD**
  - Used with U9922-G38 for a stand-alone wireless system for up to four users
  - 20 ft. length with connection to U9922-G38 system input and 8-32 VDC power

- **C98-20PW POWER CORD**
  - Used with U9925-GEM for multiple Gateway stand-alone wireless systems
  - 20 ft. length with connection to U9925-GEM system input and 8-32 VDC power

- **C99-20MS GATEWAY INTERFACE CORD**
  - Used to connect up to four U9922-G38 units to a U9925-GEM, for a stand-alone wireless system for up to 16 users
  - 20 ft. length with connection to U9922-G38 and U9925-GEM system inputs

**BATTERY CHARGER: A99-04CRG1**

- Accommodates 4 each Li-Polymer Batteries
- LED indicators for individual charge status
- Fully charge batteries in 3-4 hours
- 8-28 VDC power source via included DC converter kit

Li-Polymer batteries (p/n 40688G-90) provide up to 24 hours continuous use when fully charged.

**NOTE:** Chargers are not sealed units, and are not intended for installation in wet or corrosive environments.
David Clark Series 3800 Wired Vehicle Intercom Systems enable personnel to communicate clearly during call response and at the scene — without interference from engine noise and sirens. They include the option of connecting to mobile radios, allowing all personnel to hear all radio traffic and enabled positions to transmit over the radio. Modular design reduces costly downtime on installation or module replacement. All system components are weather-tight for reliable performance under severe conditions. The Series 3800 also provides versatility for installation on Fire Apparatus, Ambulances, Rescue Boats, Utility, Construction and Paint Stripping vehicles.

**SYSTEM COMPONENTS: HEADSETS**

**H3442**  
Behind-the-Head • Dual Ear

**H3441**  
Behind-the-Head • Single Ear (Slotted Dome)

**H3492**  
Over-the-Head • Single Ear

**H3432**  
Over-the-Head • Dual Ear

**Features**  
- Compatible with all Series 3800 Headset Stations  
- M-7A electret, noise-cancelling microphone  
- Patented hybrid wire-flex boom assembly, 280 rotating, for perfect mic placement  
- Microphone on/off switch  
- Dynamic earphone elements  
- Low-tension headband assembly  
- Undercut ‘Comfort-Gel’ ear seals for superior comfort  
- Heavy-duty, 4 conductor, shielded, 6 ft. extended coil cord  
- Rugged, quality construction  
- Certified NRR: 23 dB (dual ear models)

**HEADSETS AND ADAPTERS FOR TWO-WAY RADIOS**

David Clark noise-attenuating headsets with noise-cancelling microphones facilitate clear and effective reception and transmission on portable two-way radios. A variety of headset styles and configurations — with and without adapters — are available for virtually hundreds of two-way radio makes and models.

**Find the right headset for your two-way radio at**  
www.davidclark.com/twoway

**Series 6200 Radio Direct** headsets connect directly to your two-way radio without the need for an adapter.

**Series 6700 Intrinsically Safe Radio Direct** headsets are also available for potentially hazardous or explosive environments.

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SYSTEM COMPONENTS: INTERCOM-ONLY MODULES

Series 3800 intercom-only modules provide hands-free, full-duplex intercom communication for all personnel inside the vehicle. Intercom-only users have the ability to hear all radio traffic interfaced via radio interface modules elsewhere in the system. Single or dual headset modules are available for greater design versatility.

- **Heart of any 3800 system configuration (one each required per system)**
- **Accommodates two intercom-only headsets; includes individual volume controls**
- **Master system volume control**
- **Automatically adjusts for 12 or 24 VDC power source**

SYSTEM COMPONENTS: RADIO INTERFACE MODULES

Series 3800 radio interface modules afford the same intercom functionality as intercom-only modules, with the added capability of radio transmit over one or several mobile radios. All radio traffic interfaced through these modules can be heard by all users throughout the system. Additional options such as remote radio PTT help to make the Series 3800 a truly complete communication solution.

- **Accommodates one headset; includes volume control**
- **Connectivity for one radio, and PTT switch for radio transmit**
- **System input only, does not branch out to other system modules**

- **Accommodates one headset; includes volume control**
- **Connectivity for one radio, and PTT switch for radio transmit**
- **Allows branching out to other system modules**

- **Accepts Footswitch (40071G-04) or other remote radio PTT option**
- **U3815A: Same as U3815, but also accepts C3023 Belt Station**

- **Accommodates one headset; includes volume controls for headset and radio receive**
- **Connectivity for up to four radios, selected via rotary radio select switch**
- **Radio PTT switch for selected radio; red LED indicator confirms transmission**
- **Accepts Footswitch (40071G-04) or other remote radio PTT option, and C3023 Belt station**
- **Connection for speaker cut-out option**
- **Allows branching out to other system modules**

Find complete module specifications and operation/installation instructions at www.davidclark.com/IntercomSys/3800mod
SERIES 3800 VEHICLE INTERCOM SYSTEM

SYSTEM COMPONENTS: SPECIALTY MODULES

Series 3800 specialty modules can help to add functionality and versatility to system designs, streamline installation and complement unique configuration requirements for more complex applications.

U3810 Radio Interface Module
- Provides radio transmit and receive from single radio to all 3800 system positions
- One system input, one radio input and two remote PTT connections
- Recommended for 2-3 position systems only (all intercom users transmit upon radio PTT)

U3803 Intercom Remote Junction Module
- Used to expand system beyond the Master Station
- Allows branching out to other system modules

U3805 Radio Remote Junction Module
- Collects radio cables from multiple radio interface modules, and terminates to a single radio interface
- Four radio input connections (1 primary, 3 secondary), and one radio output connection

SYSTEM COMPONENTS: ANCILLARY EQUIPMENT

C3023 Belt Station
- Provides remote intercom, radio PTT, listen level control and 15 ft. coil cord extension

C3820 Power Cord
- 20 ft. length, for U3800 power connection (12 or 24 VDC)

40071G-04 Footswitch, Remote PTT
- 15 ft. cord length, for modules with remote radio PTT connection

40666G-01 Headset Adapter
- Series 6000 Two-Way Headset adapter for Series 3800 system modules provides portable radio headset versatility

UTILITY RADIO ADAPTERS

Multiple utility radio adapter options are available for mobile-radio-only interface connectivity for engine pump panels or other remote locations.

For detailed information on ancillary product options visit www.davidclark.com/IntercomSys/3800System
SYSTEM CONFIGURATION
(SERIES 3800, ENGINE WITH PUMP PANEL)

SYSTEM CONFIGURATION
(SERIES 3800, AMBULANCE)

For additional sample configurations, installation instructions and optional equipment visit www.davidclark.com/IntercomSys/3800System

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We stand firmly behind our products and our customers with the most outstanding customer service and support in the industry. Our dedicated professionals strive to meet or exceed your expectations, whether answering questions about our products, warranty agreements and service policies, helping you learn how to use our products more effectively, or keeping you informed about recent developments so our technology can serve you better. Our commitment to quality, performance and total service encompasses not only our products, but the people that stand behind them.

For more information visit www.davidclark.com or call our Customer Service professionals directly at 800-298-6235 (508-751-5800 outside the U.S.A.).