

Emergency Vehicle Communications

HEADSE

OOTSWITCH

RADIO

HEADSET

REMOTES

POWER

Fire Communications

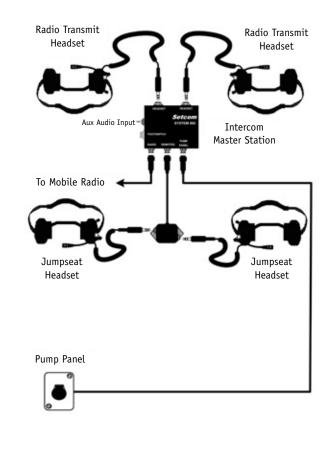
Firefighters have relied on Setcom's communications equipment for over forty years. A pioneer in the field, Setcom is still an industry leader because it works with users to develop the kind of innovative, tailor-made products professionals depend on. Public safety professionals in all fifty states, most major U.S. cities, and more than twenty countries worldwide rely on Setcom.

Tradition of Quality, Experience and Innovation

- **Premier communications systems** and accessories for all widely-used portable and mobile radios.
- Outstanding quality and durability; time-tested designs: Setcom's products have been designed, engineered and assembled in the USA for over 40 years. Thousands of firefighters rely on Setcom's equipment every day.
- **Meticulous attention to quality:** No product leaves Setcom without being fully tested. Your satisfaction is our highest priority.
- **Customer-driven innovation:** Setcom will work with you to develop a system that meets your needs.
- **Generous demo program** allows you to put Setcom's products to the test, risk-free.

Unequalled Service and Support

- **Dedicated technical support** available 55 hours every week.
- **Responsive, in-house service department,** combined with fully repairable parts and components, decreases your lifetime cost of ownership.
- **Two-year warranty** on system components and workmanship.



Representative Intercom System

Major Product Offerings

 Intercoms
 Setcom has an intercom system for nearly every emergency vehicle. Over one thousand structural fire departments and the majority of major aircraft rescue firefighting (ARFF) departments depend on Setcom's equipment.

 Headsets
 Setcom offers a variety of headsets for high, medium and low-noise environments.

 Over the years Setcom has solved difficult communications problems by making products for unique applications. If you have a challenging communications problem, please call. Chances are Setcom has, or can craft, a product that will meet your needs.



Intercoms





Intercoms

Setcom makes an intercom system for nearly every emergency vehicle, all backed by quality and service that you can rely on.

Wireless headsets available for Intercom systems below. See headset information page.



System 900E

System	Application	Description	e setcom	
900	Engines and Other Apparatus	Setcom's most popular and versatile intercom, the System 900 was developed specifically for fire fighters. Its simplicity of design cuts costs, not corners. Its quality is second to none. Its plug and play components ensure easy installation.	Prere Prere and and and and and and and and and and	
900E	Engines, Rescues and Other Apparatus	The System 900E has all of the features of the System 900, with one added benefit. It allows two additional crew members, for a total of four, to transmit over the radio.	System 920	
920	Aerials	With its weatherproof enclosure, the System 920 provides intercom and radio access to firefighters at the turntable and in the basket of an aerial. The system uses only three or four aerial collector ring conductors.	Section Marcales	
922	Engines, Rescue Boats and Open-Air Vehicles	Setcom's System 900 fitted in weatherproof boxes, with gasketed lids for the headset jacks. Ideal for rescue boats and other outdoor applications.	System 922	
922E	Engines, Rescue Boats and Open-Air Vehicles	Setcom's System 900E fitted in weatherproof boxes, with gasketed lids for the headset jacks. Ideal for rescue boats and other outdoor applications.		
1310	ARFF Apparatus	With its unique split audio feature, the System 1310 is the standard for ARFF Apparatus. It allows ARFF professionals to hear the intercom and fire dispatch radio in one ear and the tower radio in the other.	A Company of Second	
1600	ARFF Apparatus and Command Vehicles	A four-person, six radio intercom, the System 1600 is ideal for Command Vehicles. It allows crew members to select, monitor and transmit over all six radios.	System 1310	
TwinTalk™	Wild land, Brush trucks, Aerials, Ladders	Setcom's easiest system to set up and use. Designed for two users to wirelessly communicate up to 1,200 feet apart.		

System 1600



INTERCOM SYSTEM-PROFESSIONAL PRODUCT TABLE

The System 900/922 Series will meet most crew communications requirements. Setcom has other systems for unique applications.

	Professional Use					
Intercom System Series	TwinTalk™	Liberator X [™]	900/922	1300	1600	
Application / Design Description	Setcom's easiest system to set up and use. Designed for two users to wirelessly communicate up to 1,200 feet apart.	Best used for intercom only purposes. Extreme noise cancelling capabilities for ultra high noise environments.	Setcom's most versatile crew communication system. Highly modular vehicle intercom system that accommodates most situations/radios.	Premier dual radio system. Unique split audio feature allows users to distinguish between simultaneous traffic on two different radios.	A 4-person, 6 radio intercom. The System 1600 is ideal for command vehicles. It allows crew members to select, monitor and transmit over all 6 radios simultaneously.	
Recommended # of Radios	1 (portable)	0	1> 2	2> 3	4> 6	
Recommended Number of Crew Members	2	2> 6	1> 13	1> 8	1> 4	
Number of Radio Transmit Positions	0	0	1> 4	1> 6	1> 6	
Wireless Headset Option	1	1	1	1		
Entertainment Audio (iPod, Weather Radio)	1		5	1		
Optional Bluetooth Cell Phone Module	1		1			
Base Station Required			✓	<i>✓</i>	1	
Installation Required			_	<i>✓</i>	1	
Applications:						
Civilian Watercraft	1	1		<i>✓</i>		
Public Safety / Border Patrol Marine Vessels	1	1	1	1		
Structural Fire Apparatus	1		1	1		
Command Vehicles			<i>✓</i>	<i>✓</i>	1	
Mobile Command Vehicle / Unit / Center			<i>✓</i>	1	1	
ARFF Vehicle				1	1	
Workboats	1	1	1	1		
Trains	1	1	1	1		
Transit Systems	1	1	1	1		
Wild Land Fire / Brush Trucks	1	1	1	1		
Ultra High Noise (115+ dB)		1				
Industrial Situations	1	√	1	1		



HEADSET

FOOTSWITCH

8 RADIO

-

REMOTES



8

setcom

SYSTEM 900

PUMP PANEL

POWER

HEADSET

System 900

Setcom's most popular and versatile intercom, developed specifically for firefighters.

The System 900's simplicity of design cuts costs, not corners:

- With outstanding durability and a 20-year legacy, the System 900 is a top-quality intercom that has been put to the test by over 1,000 fire departments.
- This modular system accommodates up to three radios, ten firefighters and fourteen positions, including eight intercom positions.
- Plug and play components and the fewest components of any leading system make the System 900 easy to install, saving you time and money.
- Repairable parts decrease the lifetime cost of ownership, and fast repair turnaround decreases downtime.
- Setcom stands behind every system with dedicated technical support staff and an in-house service department.

Specifications

Master Station	 Full-duplex intercom, allowing normal conversation among firefighters All firefighters hear both radio and intercom traffic Protection against radio frequency interference (RFI), electro-magnetic interference (EMI) and ground loop Audio input jack allows crew to enjoy entertainment audio in non-emergency situations Available with optional driver's and officer's footswitches 			
Headsets	 Noise reduction rating (NRR) of 24dB, meeting NFPA 1500 and OSHA regulations Wireless option available (see insert for more details) Volume controls and push-to-talk (PTT) buttons in the headsets make the system easy to install, use and repair Radio PTT in headsets keys the radio; only the keying headset transmits over the radio Radio transmit headsets are always live on the intercom; available with portable radio adapter cables (PRACs) for use with portable radios Intercom PTT in jumpseat headsets permits intercom access and prevents unwanted noise from vacant positions 15-foot coil-cord eliminates the need for extension cables Cadmium-bronze, coil-cord conductors prevent broken conductors and intermittent audio 			
Speakers	Rigidly mounted in the headset to prevent broken leadsSpecifically designed for radio traffic in the voice frequency range			
Microphone	 Waterproof, amplified microphone provides excellent noise cancellation, a superior signal-to-noise ratio and clear voice transmission Flexible-boom with counter-wound beryllium-alloy springs resists work-hardening and fatigue 			
Cabling	 Double shielded cabling (one shield on the microphone line and another on the overall cable) prevents radio frequency and electro-magnetic interference Interconnecting cables are fitted with waterproof connectors 			
Warranty	Two years			

Components: The System 900's versatile components make it suitable for most fire apparatus.



Master Station

Jumpseat Extension Station

Pump Panel / Tailboard Station

CSB Series Headset





Headsets





Headsets

Setcom offers a variety of headsets for high, medium and low-noise environments.

Setcom's headsets feature:

- Outstanding quality and durability
- Compatibility with the full range of Setcom intercom systems
- Wireless and wired options available
- Refurbishment program which dramatically extends useable life, even in the most demanding environments
- Variety of volume control and push-to-talk options:
 - When used with a Setcom intercom system, the volume control(s) and push-to-talk button(s) are typically either located in the headset or integrated into the intercom system's master or remote stations.
 - For single headset applications, volume control and push-to-talk button are offered in a number of designs, including in the headset and in-line.

Headset Alternatives

Liberator Wireless Headsets

- "Instant On" Advanced motion sensor technology has been integrated into the Liberator headset
- Up to 1200 ft range. Typical Range 300ft.
- Up to 30 hours of continuous talk time allows for more uses with fewer charges
- Available in Behind-the-Head styles
- Encrypted wireless link for maximum security

CSB Series Headsets

- Premium dual-speaker headset with a noise reduction rating of 24dB
- Cut-away ear cups allow headset to be worn under most helmets
- Waterproof, flexible-boom microphone provides excellent noise cancellation, a superior signal-to-noise ratio and clear voice transmission
- The standard for most System 900 and 922 applications

8B Series Headsets

- Premium dual-speaker headset with a noise reduction rating of 24dB
- Over-the-head headband and innovative noise insulation contribute to a lightweight headset that is more comfortable than most high-noise headsets
- Microphone swivels 270 degrees allowing headset to be worn right or left dress (except with Setcom's System 1310)
- Waterproof, flexible-boom microphone provides excellent noise cancellation, a superior signal-to-noise ratio and clear voice transmission
- The standard for most System 1310 applications as well as other extended-use applications in high-noise environments

5B Series Headsets

- Rugged, lightweight single-speaker headset for low-noise environments
- Extremely comfortable for extended-use applications such as dispatch or command centers as well as EMS patient care
- Swivel boom allows headset to be worn right or left dress
- Waterproof, flexible-boom microphone provides excellent noise cancellation, a superior signal-to-noise ratio and clear voice transmission



Liberator Wireless Headset



CSB Series Headset



8B Series Headset



5B Series Headset



Liberator Wireless Headset

Setcom Corporation brings you the next generation of headsets for fire apparatus intercom systems. Beyond its state-of-the-art features, our wireless headset is the most functional and durable wireless headset available.

The Liberator Wireless Headset Features:

- Backward compatibility with existing wired Setcom 900 and 1300 systems
- Installs within minutes on Setcom 900 and 1300 ARFF systems
- Backward compatibility with all major fire apparatus intercom systems from other vendors
 Installs within minutes on other systems

Specifications

- Up to 1200 feet of range (line of sight). Typical fireground range 300ft.
- "Instant On" No need to turn the headset on and off. Advanced motion sensor technology has been integrated into the Liberator Headset. Headset shuts down after 15 minutes of inactivity and will automatically turn back on when the firefighter picks up the headset.
- Up to 30 hours of continuous talk time allows for more uses with fewer charges
- Encrypted wireless link for maximum security
- Elimination of some cables reduces intercom installation time and cost
- Ability to integrate portable radio into the headset allowing the firefighter to simultaneously communicate over two radio channels. (Fire ground and Dispatch)
- Premium dual-speaker headset with noise reduction rating of 24dB
- Heavy-duty and durable design to extend life in a demanding environment
- Available in Behind-the-Head Style
- Will operate while plugged into vehicle's power
- Direct cell phone integration capability

Wireless Applications and Uses

- Pump-panel
- Ladder
- Incident scene / fireground
- Tailboard
- Aerial platform or basket
- Brush truck / wildland fire apparatus

Components



Liberator Wireless Headset



Liberator Wireless Base

Warranty

Two years

Compatible with these Setcom Systems:



900 & 900E Intercom

922 & 922E Intercom

1300 Intercom



LIBERATOR[™] WIRELESS HEADSET -ALTERNATE SYSTEM COMPATIBILITY

In addition to Setcom's own intercom systems, the Liberator wireless headset is compatible with most other vehicle intercom systems including David Clark[®]*, Firecom[®]*, and Sigtronics[®]*. Simply plug Setcom's wireless module into your existing wired intercom system, and within seconds you have the power of the Liberator wireless headset. Freedom to roam the fireground and stay connected. Access the many advanced features of the Liberator headset on your existing intercom system.

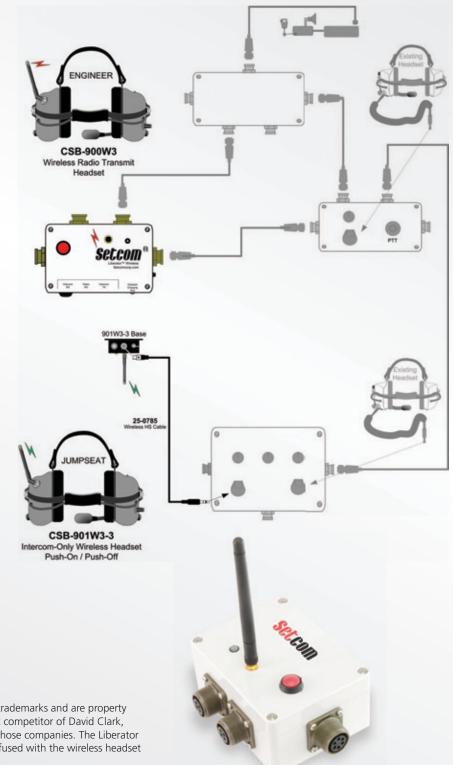
David Clark - Liberator Wireless Replacement Module

This module allows you to economically utilize all of the great features of the Liberator wireless headset in most of your David Clark 3800 system radio transmit positions. It is designed to work in any position currently equipped with David Clark's U3811, U3815, or U3815A module.

- Quick and Easy Installation Simply uninstall one of the above mentioned "U" modules and connect Setcom's DC900W3 module into your current intercom system cabling. In less than ten minutes, your existing David Clark system is wireless.
- Cost Effective David Clark's wireless system is roughly 50% more expensive than the Setcom Liberator wireless solution for one wireless position.
- No Belt Box The Liberator wireless headset is truly wireless and does not require a cumbersome belt box which requires a cable between the headset and the belt box.
- Easy Battery Charging Simply plug the charging cable into the Setcom headset charging port when done using. No removing batteries and having to purchase an expensive external charging unit.
- Multiple Radio PTT Options Radio PTT buttons are available on both the Liberator wireless base and headset.

Setcom's wireless headset is also available for intercom-only jump seat positions. Popular applications are: ladders and aerials, hazmat, rescue, and wildland apparatus.

* David Clark, Firecom, Sonetics and Sigtronics are registered trademarks and are property of their respective companies and owners. Setcom is a direct competitor of David Clark, Firecom, Sonetics and Sigtronics and has no affiliation with those companies. The Liberator wireless headset is a Setcom product and should not be confused with the wireless headset offerings from David Clark, Firecom, Sonetics and Sigtronics.

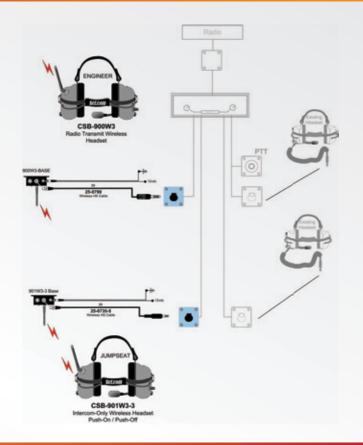


LIBERATOR[™] WIRELESS HEADSET -ALTERNATE SYSTEM COMPATIBILITY (CONTINUED)

Sigtronics®* - Liberator Wireless Module

Currently the only way to go wireless on an existing Sigtronics fire apparatus intercom system, the Setcom Liberator takes your crew to the next level of communications innovation. All the features and functionality of the Liberator headset without the expense of completely replacing all of your intercom components.

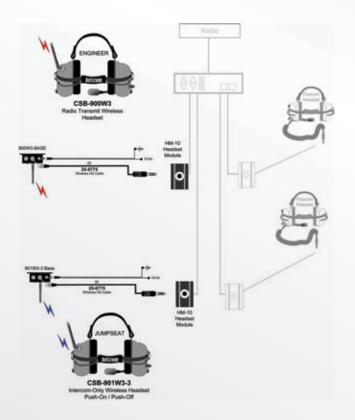
- Wireless Radio PTT Capability Use a Sigtronics headset jack box 800183 or 800184 and Setcom CSB-900W3 Kit and interface cable 25-0790. This configuration can also be used for wireless radio monitoring and intercom duplex communications.
- Wireless Radio Monitoring and Intercom Duplex Communications - Use a Sigtronics headset jack 800120 or 800121 and Setcom CSB-901W3-3 Kit and interface cable 25-0735-5. Can also provide radio PTT functionality with a Sigtronics PTT switch box 800122 but this does not allow wireless PTT functionality.



Firecom®* - Liberator Wireless Module

Setcom offers the simplest way to go wireless on your existing Firecom wired system. It is as simple as plugging Setcom's standard wireless base station into your existing headset jack with an adapter cable and inserting the power cable. Within minutes you go from a dated wired headset to a state-of-the-art wireless headset without having to go through the hassle and expense of retrofiting your entire system.

- Quick and Easy Installation Simply unplug your wired headset, plug Setcom's wireless module in its place, and connect to power. Installs in less than ten minutes.
- Cost Effective Get all the advanced features of the Liberator wireless headset without the expense of purchasing an entire system.
- * David Clark, Firecom, Sonetics and Sigtronics are registered trademarks and are property of their respective companies and owners. Setcom is a direct competitor of David Clark, Firecom, Sonetics and Sigtronics and has no affiliation with those companies. The Liberator wireless headset is a Setcom product and should not be confused with the wireless headset offerings from David Clark, Firecom, Sonetics and Sigtronics.



LIBERATOR TWINTALK[™] INTERCOM SYSTEM

The easiest intercom system on the planet to use. Two-person intercom system that is rugged and made to be deployed instantly for numerous applications and environments. Just turn it on and you will be connected with the other headset in the pair. Incorporates all of the state-of-the-art features of the Liberator Wireless Intercom headset but does not require any installation or a base station.

- Up to 1200 feet of range (line of sight). Typical range 300ft.
- "Instant On" No need to turn the headset on and off. Advanced motion sensor technology has been integrated into the Liberator TwinTalk headsets. Headset shuts down after 15 minutes of inactivity and will automatically turn back on when the firefighter grabs the headset.
- Cell Phone Integration Most Bluetooth[®]-enabled cell phones can be used directly with the Liberator TwinTalk headset.
- No installation required. No based station needed. Just turn the headsets on and start talking.
- Up to 30 hours of continuous talk time allows for more uses with fewer charges.
- Ability to integrate portable radio into the headset allowing the firefighter to simultaneously communicate over the portable radio and intercom.
- Encrypted wireless link for maximum security.
- Premium dual-speaker headset with noise reduction rating of 24dB.
- Heavy-duty and durable design to extend life in a demanding environment.
- Available in Behind-the-Head Style.
- Will operate while plugged into charging power port.

Wireless Applications and Uses:

- Brush truck / wildland fire apparatus
- Aerial platform or basket

- Tailboard
- Ladder

- Incident scene / fire ground
- Fire boat / marine patrol
- Situations that require rapid deployment





BLUETOOTH-ENABLED CELL PHONE INTERFACES

- Only Setcom offers three different ways to interface your wireless headset and vehicle intercom system with a Bluetooth-enabled cell phone.
 - Direct connection from the Liberator wireless headset
 - Connection that all intercom users can hear
 - Connection for single intercom position
- Integration applications include:

- up to 3 mobile radios

- Interfacing a cell phone into a Battalion Chief's vehicle command post communication system
- Allowing paramedics to easily speak over the phone with doctors while in route to the hospital
- Adding cell phone capabilities to a mobile command center intercom system
- Communicating with non-traditional information sources while on the fireground

Connect via Liberator



CPI-900SYS2

RSM-900CPI

- a portable radio - a cell phone - apparatus intercom system - entertainment audio source plugged into System 900 intercom

Direct Connection via Liberator Wireless Headset

a single headset. With the Liberator headset, you're able to connect to:

• Easy to Use - Simply press a switch and you are connected to your cell phone in less than two seconds.

• Command Center on Your Head - Communicate with all important radio / audio devices with

- Direct Connection to Mobile Phone No interface box between the Liberator wireless headset and mobile phone.
- Hear Your Call Let the 24dB noise attenuation of your Liberator headset reduce the background noise so that you can effectively hear the caller on the other end.
- Only from Setcom Only manufacturer to offer a direct connection to your wireless device from the Liberator wireless headset via the Bluetooth standard.

Full Intercom Connection (RSM-900CPI)

- All intercom users can hear audio from Bluetooth-enabled cell phone.
- Radio-transmit headset users are able to talk back to wireless phone.
- Easily switch between radios and the mobile phone using Setcom's Radio Select Module (RSM).
- Wirelessly connect cell phone to intercom via RSM-900CPI module that plugs into the RSM.

Single Intercom Position Connection (CPI-900SYS2)

- Using their Setcom headset, a single user is able to hear and transmit to Bluetooth-enabled mobile phone.
- Easy to Use Simply flip a toggle to switch between intercom / mobile radio mode and cell phone mode.
- Wirelessly connect cell phone to headset via CPI-900SYS2 module that plugs into any headset port on a System 900 intercom.





Setcom-Bostrom CommandCom[™] Integrated Seat Communications System

What is CommandCom?

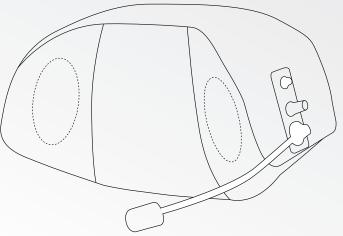
CommandCom is the latest innovation for fire apparatus communications. It is a Bostrom headrest that fully integrates speakers and a microphone system with advanced Setcom Patent-Pending Phase Contouring[™] technology. It is then connected to a Setcom intercom system. The user is able to seamlessly communicate with other crew members and over two-way radios.

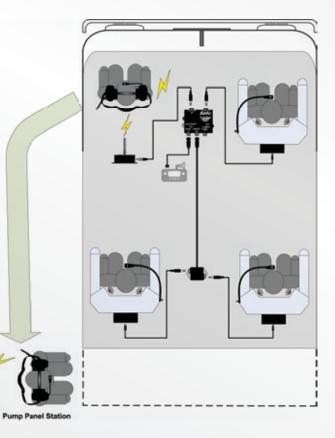
Applications

- Apparatus officer and rear crew member positions where hearing protection is not required by NFPA or OSHA.
- Seating positions where it is not convenient to wear a headset such as rear positions where firefighters are donning PPE before arriving at a scene.

Features

- Advanced Phase Contouring Technology Setcom-engineered audio technology prevents feedback that can be caused by an open microphone near a speaker. With Setcom's phase contouring technology, a firefighter can place the microphone close to the speaker and will not hear any feedback.
- Reduced Maintenance Costs Unlike wired or wireless headsets, the CommandCom's components are virtually maintenance free. No more charging batteries. No more broken cables. No more apparatus taken out of service due to headsets needing repair.
- Occupant Detection CommandCom is connected to the seat sensor and will only turn on when the firefighter is seated thus eliminating extraneous noise in the vehicle when the seat is not occupied.
- Flexible Design The CommandCom's master control component is completely interchangeable as a radio transmit or intercom only position.
- Plug-and-Play Design Allows for simple retrofitting of fire apparatus.
- Setcom Backward Compatible CommandCom will integrate with all existing Setcom System 900 intercom systems.
- Bostrom Backward Compatible CommandCom headrest will fit on most existing Bostrom Firefighter seats.
- Clear Communications Shielded cabling and high-quality noise cancelling microphones ensure clear communications.
- Rugged Designed with tough push-to-talk and volume controls for demanding apparatus environments.
- Purchase with Confidence Made in the U.S.A.











System 1310

Designed in partnership with one of the nation's largest aircraft rescue firefighting (ARFF) departments, Setcom's System 1310 is the premier dual radio system and a standard among major U.S. airports.

The System 1310 addresses the communications challenges of ARFF departments like no other system:

- The system's unique split audio feature allows you to clearly distinguish between simultaneous traffic on two radios.
- Intercom traffic and fire dispatch radio in the left ear; airport tower radio in the right.
- Split audio eliminates switching between radio channels and minimizes the loss of critical radio transmissions.
- Setcom stands behind the system with dedicated technical support staff and an in-house service department.

Master & Remote Stations	 Separate radio circuits allow simultaneous transmission on both radios from different stations Sophisticated electronics prevent two crew members from transmitting on the same radio at the same time On-off switch and volume control for each radio Panel lights indicate when a particular radio is keyed by any crew member Heavy-duty, three-position push-to-talk (PTT) switch: Center position for "monitor", left for fire radio and right for tower radio Full-duplex intercom, allowing normal conversation among firefighters Audio input jack allows firefighters to listen to music in non-emergency situations Protection against radio frequency interference (RFI), electro-magnetic interference (EMI) and ground loops 	
Headsets	 Split audio: Intercom traffic and the fire radio on one speaker and the airport tower radio on the other Noise reduction rating (NRR) of 24dB, meeting NFPA 1500 and OSHA regulations Wireless option available (see insert for more details) 6-foot coil-cord eliminates the need for extension cables Cadmium-bronze, coil-cord conductors prevent broken conductors and intermittent audio 	
Speakers	Rigidly mounted in the headset to prevent broken leads Specifically designed for radio traffic in the voice frequency range	
Microphone	Waterproof, amplified microphone provides excellent noise cancellation, a superior signal-to-noise ratio and clear voice transmission Flexible-boom with counter-wound beryllium-alloy springs resists work-hardening and fatigue	
Cabling	Double shielded cabling (one shield on the microphone line and another on the overall cable) prevents radio frequency and electro-magnetic interference Interconnecting cables terminated with locking connectors for easy installation and maintenance	
Warranty	Two years	

Specifications

Components: Setcom has developed components to suit every situation and will gladly configure a System 1310 for your needs.







8B Series Headset



CSB Series Headset



650.965.8020 info@setcomcorp.com SetcomCorp.com

OTHER MARKET AND CONTACT INFORMATION

In addition to fire applications, Setcom is a leader in the following markets:



Police Motorcycle Communications

Setcom has been the dominant leader in police motorcycle communications since we pioneered the market in 1970. Ruggedized helmet communications systems for the most demanding riders.



Industrial

With decades of understanding the communications requirements of industrial professionals, Setcom offers many single and multi-person system to enhance your crews' communication capabilities. Our systems also offer the hearing protection they need according to OSHA requirements. Headsets and intercoms are available for any high or ultra-high noise environment.



Marine — Public Safety / Military

Leveraging Setcom's 40 years of experience servicing the communications of requirements of public safety vehicles and maritime communications knowledge, Setcom's public safety marine - boat systems are designed for optimal performance on public safety radio systems while on the water.



Go-Fast / Airboats

Whether you call it a go-fast, cigarette, airboat, these watercrafts are incredibly noisy environments that require superior hearing protection and the ability to quickly and easily communicate with onboard crew and onshore support staff. Setcom provides a number of different intercom configurations for any type of boat. Just ask the crew of Miss Geico. Setcom is a proud official sponsor of Miss Geico.

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