

INDUSTRIAL HEADSET SYSTEMS



RUGGED, NOISE REDUCING HEADSETS FOR A SAFER WORK ENVIRONMENT

Setcom offers a wide variety of highly ruggedized, high-noise headset systems. Our headset systems will allow workers to:

- Communicate more effectively
- Protect hearing
- Comply with OSHA hearing conservation requirements

We offer products for:

- Single Person Radio Operation: Portable or Mounted Radios
- Multi-Person Wired or Wireless Headset Intercom System with radio integration



INTERCOM SYSTEM-PROFESSIONAL PRODUCT TABLE

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

Professional Use					
Intercom System Series	Vehicle Liberator MAX	Industrial Liberator MAX	900SP/950/977	1300	1600
Application / Design Description	The greatest advancement in vehicle crew communications. Easiest install, radio integration. 8 talk groups.	Setcom's most advanced system for team communications. Up to 8 intercom users, no installation. 8 talk groups/channels.	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 mobile Radios	1 ---> 2	N/A	1 ---> 2	2 ---> 3	3 ---> 6
Recommended Number of Crew Members	2 ---> 7	2 ---> 8	1 ---> 13	1 ---> 8	1 ---> 4
Number of Radio Transmit Positions	1 ---> 7	N/A	1 ---> 5	1 ---> 5	1 ---> 6
Wireless Headset Option	✓	✓		✓	
Portable Radio Integration	✓	✓	✓	✓	
Entertainment Audio (iPod, Weather Radio)			✓	✓	
Optional Bluetooth Cell Phone Connection			✓	✓	
Vehicle Installation Required	✓		✓	✓	✓
Applications:					
Civilian Watercraft	✓	✓	✓		
Public Safety / Border Patrol Marine Vessels	✓	✓	✓	✓	
Structural Fire Apparatus	✓	✓	✓	✓	
Command Vehicles	✓		✓	✓	✓
Mobile Command Vehicle / Unit / Center	✓		✓	✓	✓
ARFF Vehicle	✓			✓	✓
Workboats	✓	✓	✓	✓	
Trains	✓	✓	✓	✓	
Transit Systems	✓	✓	✓	✓	
Wild Land Fire / Brush Trucks	✓	✓	✓	✓	
Industrial Situations	✓	✓	✓	✓	

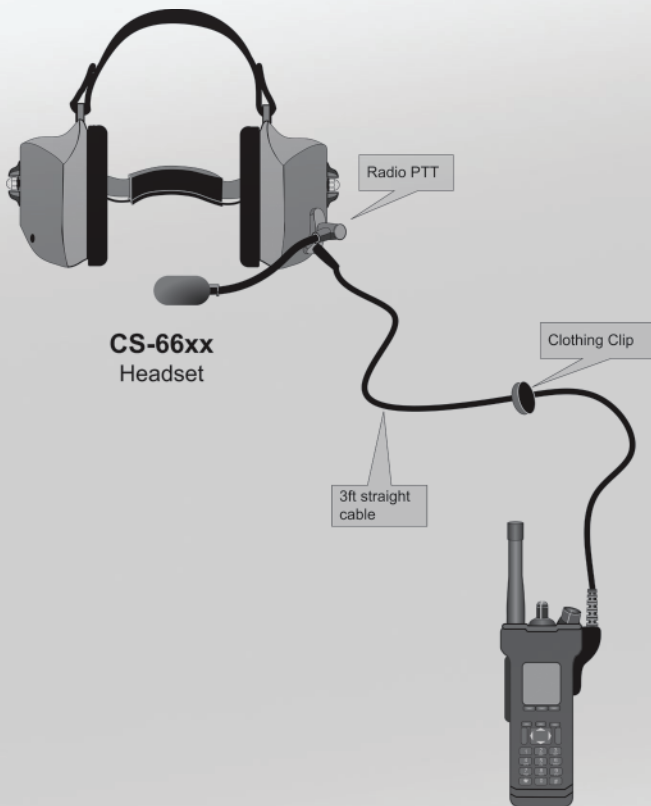


SINGLE PERSON SYSTEMS FOR RADIO COMMUNICATIONS

SINGLE PERSON SYSTEMS FOR RADIO COMMUNICATIONS

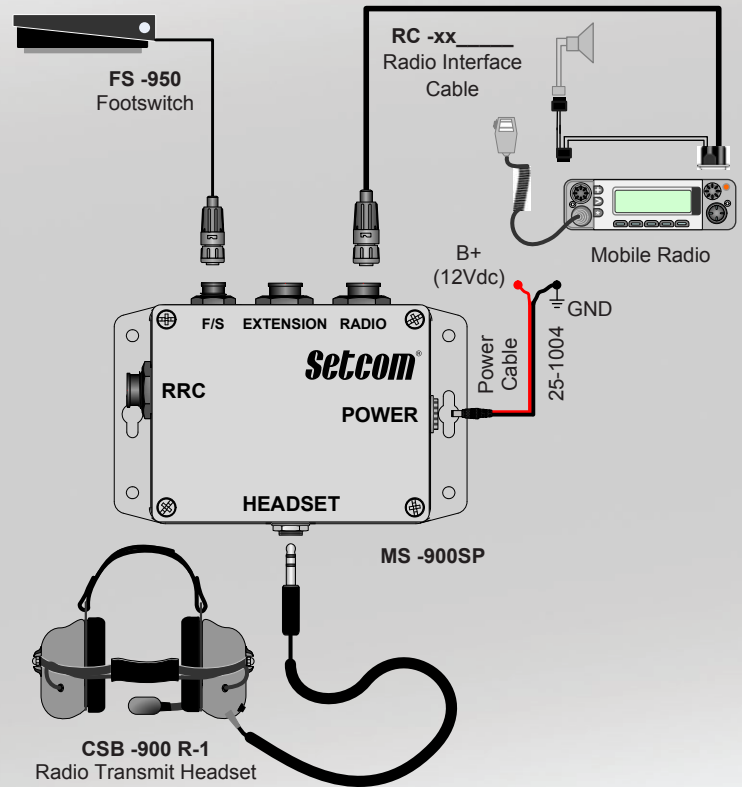
- Ability to communicate easily and effectively over a portable / mounted radio in high noise environments
- Minimum of 23dB noise reduction helps to protect workers' hearing in compliance with OSHA standards
- Cut-away ear cups allow headset to be worn under most helmets
- Waterproof, flexible-boom microphone provides excellent noise cancellation and clear voice transmission
- Rugged headset that is designed to withstand harsh environments
- Repairable solutions so that maintenance is quick and easy
- Adapters available for most professional portable and mounted radios including Motorola, Harris, Kenwood, Icom, Vertex, and Tait
- Voice Activated (VOX) options available
- Assembled in U.S.A.

Portable / Handheld Radios



- Multiple Push-to-Talk(PTT) options include:
 - Button in headset cup
 - Inline box with clothing / belt clip

Mobile / Mounted Radios



- Multiple Push-to-Talk(PTT) options include:
 - Button in headset cup
 - Inline box with clothing / belt clip
 - Foot switch or dash mounted PTT

900SP SINGLE-PERSON SYSTEM



900SP/900SPW4

An advanced single-person system for industrial vehicle, workboat, and interior building applications, the System 900SP allows for communications on up to two radios with a variety of wired or wireless, medium-to-heavy duty headsets.

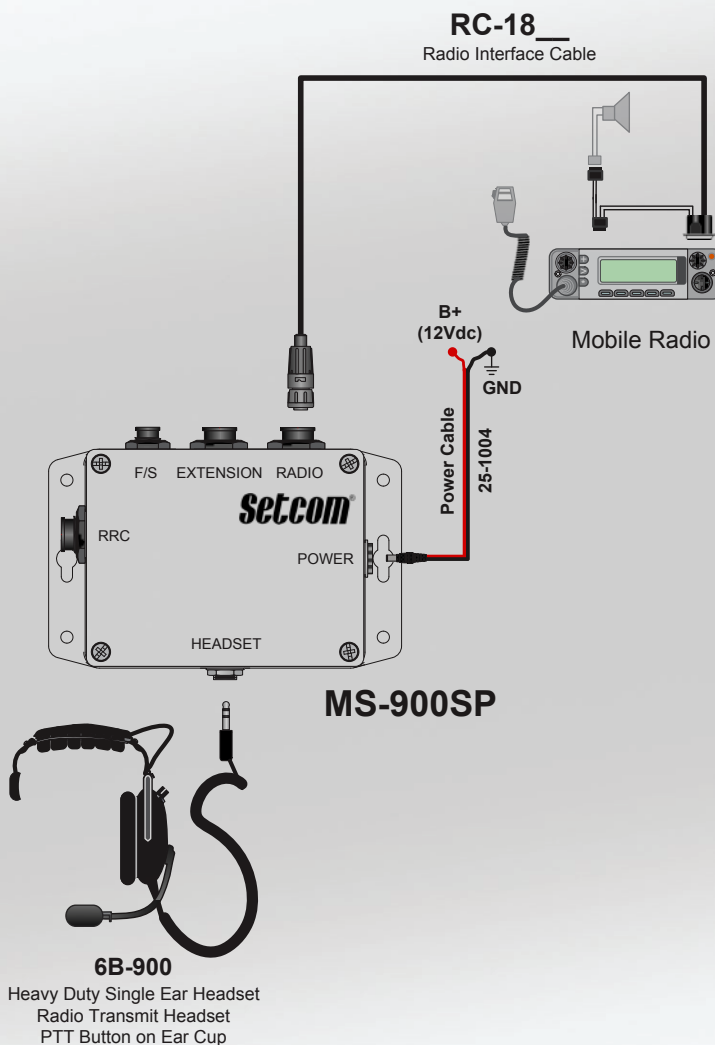
The modular system can accommodate up to:

- 2 radios
- 1 user
- 1 primary and 1 remote station (optional)

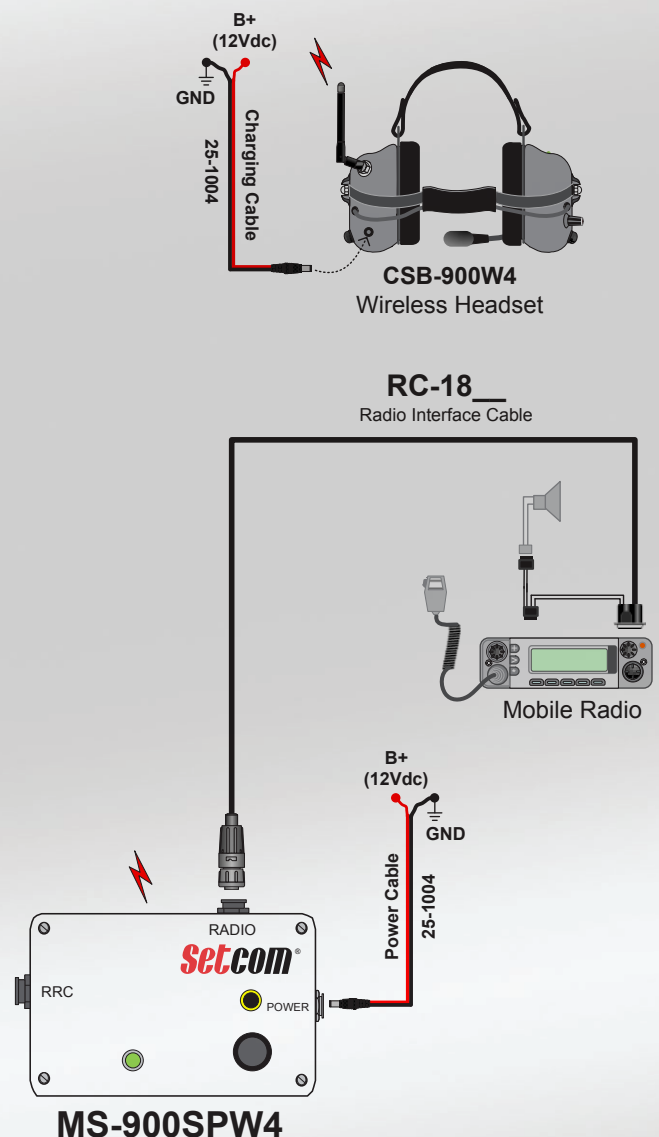
Plug and play components and the fewest components of any leading system make the 900SP the easiest and fastest wireless system on the market to be installed and deployed. The option to have a wireless module integrated internally in the System 900SP housing makes the system highly versatile for today's advanced industrial applications.

900SP options can be found on the next page.

900SP Sample Diagram



900SPW4 Sample Diagram



900SP SYSTEM OPTIONS

PBS-950-xx
Push Button Station



FS-950-xx
Footswitch



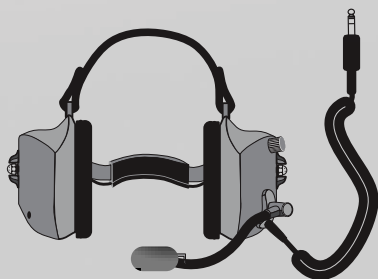
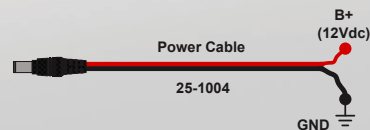
PS-900EMS-xx
Interior Extension Station



PS-900-xx
Weatherproof Pump Station



MS-900SP



CSB-900L-1 or CSB-900R-1
Behind-the-Head
Radio Transmit Headset
w/ Gel Ear Seals



8B-900
Over-the-Head
Radio Transmit Headset
w/ Gel Ear Seals



6B-900
Heavy Duty Single Ear Headset
Radio Transmit Headset
PTT Button on Ear Cup



L5-EMS900
Lightweight Single Ear Headset
PTT Button-in-Box



5B-EMS900
Medium Duty Single Ear Headset
PTT Button-in-Box



MULTI-PERSON SYSTEMS FOR CREW & RADIO COMMUNICATIONS

MULTI-PERSON SYSTEMS FOR RADIO COMMUNICATIONS

For over 45 years, industrial professionals have relied on Setcom's communications equipment. A pioneer in the field, Setcom remains an industry leader because it works with users to develop the kind of innovative, tailor-made products professionals depend on. Professionals in the U.S.A. and many countries worldwide, rely on Setcom products everyday to provide protection and clear communications they need.

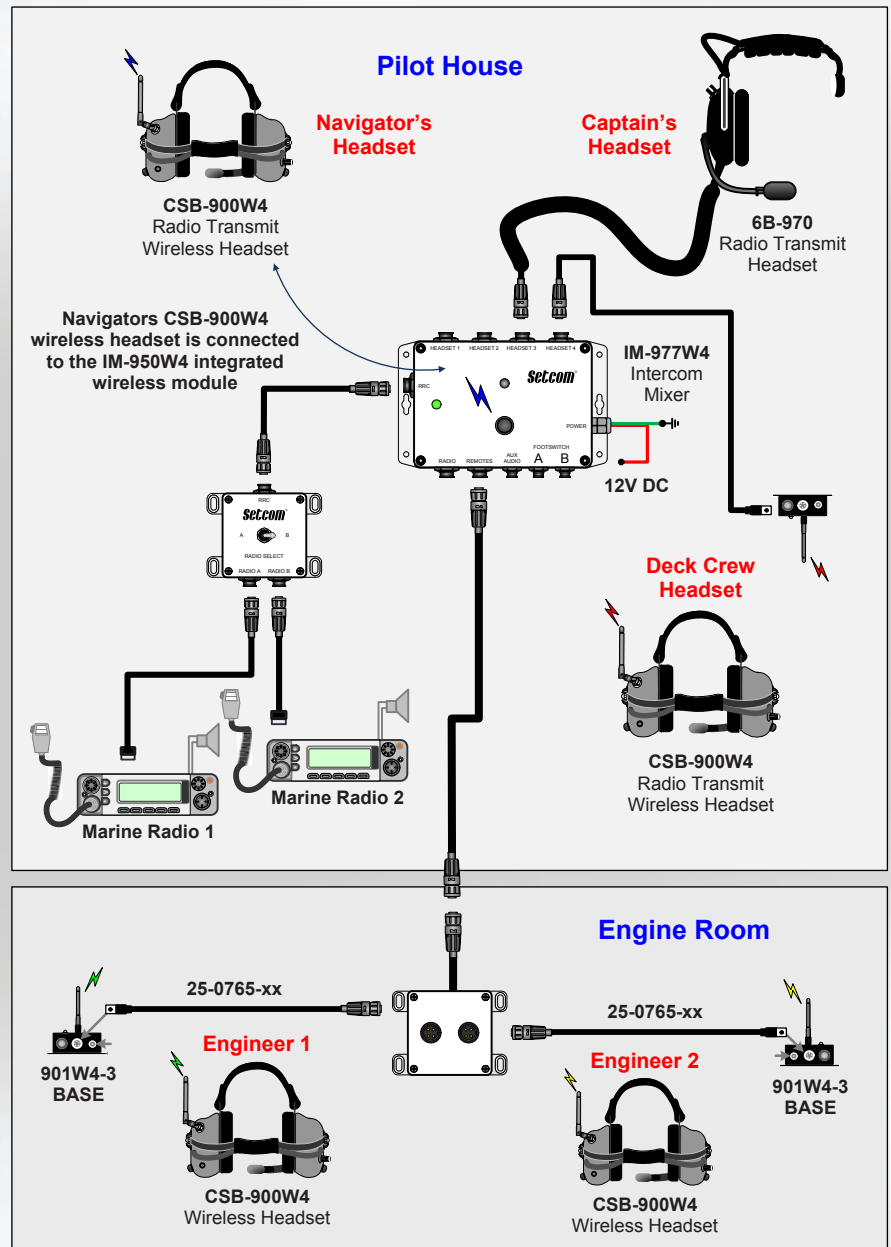
Tradition of Quality, Experience and Innovation

- Premier communications systems and accessories for all widely-used portable and mobile radios.
- Outstanding quality and durability; timetested designs: Setcom's products have been designed, engineered and assembled in the U.S.A. for over 45 years.
- Meticulous attention to quality: No product leaves Setcom without being fully tested in the United States. Your satisfaction is our highest priority.
- Customer-driven innovation: Setcom will work with you to develop a system that meets your needs.

Unequaled Service and Support

- Dedicated live 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.
- One-year warranty on system components and workmanship.

Representative Workboat System



950/977 INTERCOM



SYSTEM 950/977

Setcom's most popular and versatile intercom. Developed specifically for crew communications.

The System 950's simplicity of design cuts costs, not corners:

- With outstanding durability and 25-year legacy, the System 950 is a top-quality intercom that has been put to the test.
- This modular system accommodates up to three radios, ten crew members and fourteen positions, including eight intercom positions.
- Plug and play components and the fewest components of any leading system make the System 950 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.

Master Station

- Full-duplex intercom, allowing normal conversation among crew members
- All crew members hear both radio and intercom traffic
- Protection against radio frequency interference (RFI), electro-magnetic interference (EMI) and ground loops
- Audio input jack allows crew to enjoy entertainment audio such as weather radio, MP3, GPS, etc.
- Available with optional driver's and passenger's footswitches

Headsets

- Noise reduction rating (NRR) of a minimum 23dB, help meet NFPA 1500 and OSHA hearing conservation regulations
- 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 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

Cabling

- Flexible-boom with counter-wound beryllium-alloy springs resists work-hardening and fatigue
- Double shielded cabling (one shield on the microphone line and another on the overall cable) prevents radio frequency and electro-magnetic interference

Warranty

- Interconnecting cables are fitted with waterproof connectors
- Two Years



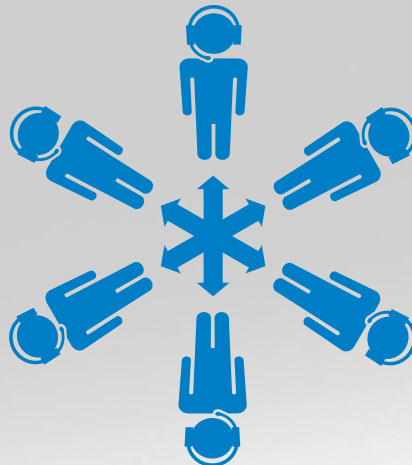
LIBERATORMAX TEAM COMMUNICATIONS SYSTEM

Introducing LiberatorMAX, the most advanced system for team communications. Multi-person intercom system that is versatile and simple to use, making it a great solution for communication needs in many applications. Turn the headset on to be instantly connected with other headsets. No installation or base station is required, giving you the freedom to move around without worry.

- Up to 8 intercom (unlimited amount of listen-only headsets).
- 8 talk group channels.
- Ability to integrate portable radio into the headset allowing the user to simultaneously communicate over the portable radio and intercom.
- Range: Up to 1,500 feet (line of sight).
- Premium dual-speaker headset with noise reduction rating of 23dB.
- Full duplex intercom communications without any push-to-talk (PTT) required.
- Available in Behind-the-Head Style.
- 15 hours battery life.
- Different charging options available.
- Charge anywhere with a 120VAC to 12VDC wall charger or 12VDC power supply.
- Heavy-duty and durable design to extend life in a demanding environment. Perfect for rugged industrial situations.
- No installation or base station required – Just turn on your headset and start talking.
- Carrying case available.

Wireless Applications and Uses:

- Paint striping trucks
- Crane communications
- Train / Railroad
- Construction sites
- Workboats
- Asphalt paving machines
- Emergency vehicles
- Utility line pulling
- Aerial lifts / bucket trucks
- Building maintenance
- Marine engine rooms
- Tree trimming
- Airport tarmac
- Command vehicles
- Hydrovac Crews



BLUETOOTH-ENABLED CELL PHONE INTERFACE

- Only Setcom offers an interface to your wireless headset and vehicle intercom system with a Bluetooth-enabled cell phone.
- Integration applications include:
 - Adding cell phone capabilities to a mobile command center intercom system
 - Communicating with non-traditional information sources while at industrial worksites

Direct Connection via Liberator Wireless Headset

- Command Center on Your Head - Communicate with all important radio / audio devices with a single headset. With the Liberator headset, you're able to connect to:
 - up to 3 mobile radios
 - a portable radio
 - a cell phone
 - vehicle intercom system
 - entertainment audio source plugged into System 950 intercom
- Easy to Use - Simply press a switch and you are connected to your cell phone in less than two seconds.
- Direct Connection to Mobile Phone - No interface box between the Liberator wireless headset and mobile phone.
- Hear Your Call - Let the 23dB 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.



Connect via Liberator

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 Intercom and Single Person (SP) Wireless Headsets

- "Instant On" - Advanced motion sensor technology has been integrated into the Liberator headset
- Direct headset to cell phone
- Up to 1200 ft range line-of-sight. 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
- For use with an intercom system or stand alone with a portable radio and / or mobile phone
- Noise reduction rating of 23dB

CSB Series Headsets - Behind the Head

- Premium dual-speaker headset with a noise reduction rating of 24dB
- Cut-away ear cups allow headset to be worn under most safety helmets
- Waterproof, flexible-boom microphone provides excellent noise cancellation, a superior signal-to-noise ratio and clear voice transmission
- The standard for most System 950 and 977 applications

8B Series Headsets - Over the Head

- Premium dual-speaker headset with a noise reduction rating of 23dB
- 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



Liberator Wireless Headset



CSB Series Headset



8B Series Headset

HEADSETS (continued)

6B Series Headsets - Single Ear / Over the Head

- Rugged, single-ear headset for medium-to-low noise industrial environments
- Comfortable for extended use applications such as command centers where having one ear open helps with communication
- 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



6B Series Headset

5B Series Headsets - Single Ear

- Rugged, lightweight single-speaker headset for low-noise environments
- Extremely comfortable for extended-use applications such as dispatch or control centers
- 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



5B Series Headset

L5 Series Headsets - Single Ear / Lightweight

- Lightweight headset for low noise environments
- Electret microphone and single speaker
- Extremely comfortable for extended-use, light duty applications such as dispatch or control centers
- Stainless steel, swivel boom allows headset to be worn right or left dress
- Radio connectors available for all commonly used portable radios



L5 Series Headset



LIBERATOR™ INTERCOM WIRELESS HEADSET

Setcom Corporation brings you the next generation of headsets for crew communications. 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 compatible with existing wired Setcom 950 and 1300 systems
- Installs within minutes on Setcom 950 and 1300 systems
- Backward compatible with all major intercom systems from other vendors. Installs within minutes on other systems.

Specifications

- Up to 1200 feet of range (line of sight). Typical range 300ft.
- Cell phone option to directly connect to Bluetooth-compatible mobile phone
- "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 crew member grabs 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 crew member to simultaneously communicate over two radio channels
- Premium dual-speaker headset with noise reduction rating of 23dB
- Heavy-duty and durable design to extend life in a demanding environment
- Available in Behind-the-Head
- Will operate while plugged into vehicle's power
- Command center on your head with capabilities including connections to mobile radios, portable radio, cell phone, and intercom

Components



Liberator Wireless Headset



Liberator Wireless Base

Compatible with these Setcom Systems:



900SP Intercom



950 Intercom



1300 Intercom

APPLICATIONS OF USE



Oil and Gas

- On / Off Shore Drilling
- Construction / Fabrication
- Exploration
- Site Command Van / Trailers
- Oil and Gas Fields
- Fracking



Workboat

- Tug Boats
- Support and Supply Vessels
- Commercial Fishing
- Crew Transportation
- Deep Sea Construction
- Escort Vessels
- Ship Refurbishment
- Salvage Operation
- Barges



Transportation

- Train Engineers and Crew
- Public Transit Systems
- Rail Services
- Marine Transportation
- Transportation Depots
- Highway and Road Construction



Manufacturing

- Work Crew
- Facility Supervising and Instruction
- Facility Tours
- Factory Floors
- Construction / Work Sites
- Crane Communications
- Maintenance Crew

OTHER MARKETS

In addition to industrial 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.



Fire Apparatus Intercom Systems

Firefighters have relied on Setcom's communications equipment for over forty years. A pioneer in the field, Setcom remains an industry leader because it works with users to develop the kind of innovative, tailormade products professionals depend on.



Marine — Public Safety

Leveraging Setcom's 45 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.