ClearCommand® HCS Helmet Communication System

The Helmet Communication System from MSA is a state-of-the-art radio interface device which significantly improves the user's ability to receive and send messages even in loud ambient-noise environments. It goes wherever you go. The system consists of a helmet-mounted microphone and ear speaker assembly that weighs 5.3 ounces and easily snaps onto the user's fire helmet or industrial-style helmet's ratchet suspension. The helmet mic/ear speaker assembly connects to a lapel microphone or optional stand-alone PTT (push-to-talk) unit. The lapel microphone and PTT are permanently fitted with a connector for attachment to the specific radio of choice. The Helmet Communication System also offers a plug-in truck communication adapter that can be used by firefighters, along with their helmet microphone assembly, on the way to a fire scene or other incident. Once the firefighter arrives at the scene, the truck system cable is unplugged from the helmet microphone, and the helmet microphone cable end is connected to the user's lapel mic or PTT.

The user of the Helmet Communication System has uninterrupted communication from the time the alarm sounds until the incident is over.

For more complete information, see Bulletin 3639–01-MC.

Helmet Mic with Stand-Alone PTT

Helmet Mic with Lapel Mic

Helmet Microphone Assembly

Helmet Microphone Assembly (includes Custom Fitted Flannel Headband Liner)	10042902

Lapel Mic Kits for Radio Interface*

Maxon SP120, SP130, SP140	10042908
Motorola HT600, MT1000, MTX820, MTX900, Radius P200 & P500	10042909
Motorola HT1000, JEDI, MT2000, MTS2000, MTX838, MT839, MTX8000, MTX9000	10042903
Motorola Astro and Saber	10042904
Motorola Radius GP300, P110, SP50, LTS2000, Spirit-III, GTX, SP21	10042905
Motorola STX, MX800, MX840	10042920
GE Ericsson PCS, PC2005	10042906
GE Ericsson MRK, LPE-200, Prism, PX 126T	10042907

Stand-Alone PTT Kits for Radio Interface*

Maxon SP120, SP130, SP140	10045667
Motorola HT600, MT1000, MTX820, MTX900, Radius P200 & P500	10045668
Motorola HT1000, JEDI, MT2000, MTS2000, MTX838, MT839, MTX8000, MTX9000	10045662
Motorola Astro and Saber	10045663
Motorola Radius GP300, P110, SP50, LTS2000, Spirit-III, GTX, SP21	10045664
Motorola STX, MX800, MX840	10045669
GE Ericsson PCS, PC2005	10045665
GE Ericsson MRK, LPE-200, Prism, PX 126T	10045666

Truck System

Nexus Adapter, D. Clarke	10045732
Phonejack Adapter, D. Clarke	10045731

Parts and Accessories

Dust Cover	10046087
Guard Ring, Tall	10046123
Guard Ring, Short	10046122
Belt Clip Assy, Standard	10046089
Belt Clip Assy, Clothes Pin Type	10046120
O-Ring, Single Pin Connector	10046121
Flannel Head Band Liner	10045778

*If your specific radio is not listed, please contact MSA Customer Service.

Features & Benefits

- Incorporates a "noise-eliminating" bone-conduction voice transmitter that virtually eliminates high ambient noise levels.

- Custom user-fitted ear speaker brings all incoming communication directly to the user's ear. No need to lift your lapel mic up to your ear to hear transmission.

- Easily snaps onto the ratchet suspension of fire helmets or industrial-style helmets. The unit can be easily transferred to other users, and no tools are required for removal.

- Can be used over the top of facepiece head harnesses, hoods and liners without losing the quality of the transmission.

- The bone-conduction microphone is made of soft silicone material, which makes it comfortable to wear, with no pressure points.

- The helmet microphone assembly can be reversed on the helmet suspension to position the ear speaker on either ear.

- The helmet mic system, when used with the lapel mic or PTT, is powered by the battery from the radio. No need to replace or re-charge dry cells.

- Special connectors suitable for most common radios are available for the lapel microphone and PTT, which allows users to adapt the system to their existing radios.

- The helmet mic is NFPA-certified which allows its use while fighting fires.

- Intrinsic safety approvals allow the use of the Helmet Communication System in hazardous environments.

- The stand-alone PTT unit is designed for use under hazardous material suits. The large button makes it easy for the user to depress and communicate.

- The helmet mic incorporates a cable keeper which allows for storage of the cable when it's not connected to the lapel mic or PTT.

ClearCommand® Communications System for Ultra Elite® Facepieces

MSA's ClearCommand Communications System is designed specifically to meet the modern communications needs of firefighters. Because it's available in two versions, amplifier and amplifier with radio interface, firefighting teams can be properly fitted for the job at hand. Also, the systems are designed for "shared-use" of the amplifier with a unique "bus-bar" arrangement, so individual issue is not required.

The ClearCommand systems feature an internally mounted microphone coupled with a large-diameter (50mm) amplifier speaker for optimal clarity and volume. Using a proprietary circuit design, the system delivers more than twice the volume of a facepiece alone. Mounted in an "out-of-the-way" position, the ClearCommand System doesn't block vision or mechanical communication. The Ultra Elite's mechanical voicemitter is still fully functional, even with the system installed.

The radio interface version features the same amplifier as the amp-only version, combined with an ear-speaker for incoming radio messages and a lapel mic assembly for interface with over 100 radios. The lapel mic can be used as a component of the ClearCommand system or as a stand-alone hand mic.

Both the amplifier and radio interface models are intrinsically safe, and meet the applicable requirements of NIOSH and NFPA 1981, 2002 edition.

ClearCommand System Kits

Amplifier Kit, complete with microphone	10024074
Amplifier Radio Interface Kit, w/ microphone, less PTT	10051290
Microphone Kit, with mounting bracket	10023055

Lapel Mic Kits for Radio Interface*

Maxon SP120, SP130, SP140	10042908
Motorola HT600, MT1000, MTX820, MTX900, Radius P200 & P500	10042909
Motorola HT1000, JEDI, MT2000, MTS2000, MTX838, MT839, MTX8000, MTX9000	10042903
Motorola Astro and Saber	10042904
Motorola Radius GP300, P110, SP50, LTS2000, Spirit-III, GTX, SP21	10042905
Motorola STX, MX800, MX840	10042912
GE Ericsson PCS, PC2005	10042906
GE Ericsson MRK, LPE-200, Prism, PX 126T	10042907

Stand-Alone PTT Kits for Radio Interface*

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Motorola HT600, MT1000, MTX820, MTX900, Radius P200 & P500	10045668
Motorola HT1000, JEDI, MT2000, MTS2000, MTX838, MT839, MTX8000, MTX9000	10045662
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Motorola Radius GP300, P110, SP50, LTS2000, Spirit-III, GTX, SP21	10045664
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Flannel Head Band Liner	10045778

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Field Maintenance and Repair

The World Class Air Mask Maintenance Training Program

MSA offers a complete program for maintenance and repair of MSA Air Masks.

The program is supported with personalized training tailored to customers' needs and taught in the field by MSA-authorized personnel.

User maintenance covers procedures necessary to conduct general cleaning, inspection, and limited maintenance in accordance with the Occupational Safety and Health Administration (OSHA), National Fire Protection Association (NFPA), and the American National Standards Institute (ANSI) standards.

C.A.R.E. Certified Air Mask Repair Education covers all maintenance for both low- and high-pressure SCBA. Air Mask inspection and maintenance can be performed by MSA or a factory-authorized service center. Or, individuals can obtain training for C.A.R.E certification from MSA. By having a C.A.R.E-certified technician on staff, fire departments and other facilities with a large number of Air Masks can perform all inspection and maintenance in-house.

- **All repairs and maintenance can be done in the field.**
- **A selection of overhaul kits, spare parts, and tool kits is available.**
- **Users may conduct periodic performance testing using an authorized MSA regulator tester.**

Certified AirMask Repair MSA Education