

# MICH High-Noise Communication Headsets



**MSA**

★ FRONT LINE ★



A hearing protection system featuring performance-rich communication combined with user-situational awareness in a lightweight headset

- Hands-free monitoring
- Functional with gloved hands
- Connects to communicate radios via MSA's PPTs
- Lightweight, comfortable, and easy to use
- Two-way communication with minimal background noise interference
- Superior hearing protection and voice amplification

### Reliable communications designed to integrate with your day to day activities.

The MSA MICH Communications System integrates with ballistic helmets, providing unobtrusive communications and hearing protection for loud impulsive sounds, such as areas where weapons may be fired. This system protects your hearing while enabling clear radio communications. Cup-mounted microphones enhance user-situational awareness, allowing users to hear ambient environmental sounds while wearing hearing protection. This communication system is used as either as a stand-alone headset or with MSA's ACH, Millennium® CBRN Gas Mask, and protective eye-wear. Noise-canceling boom microphone-based system interfaces with various military radio transceivers and intercoms. Regardless of your day-to-day threats, trust MSA for your personal protection

### MICH Communications System components and options:

- High-noise headset includes boom microphone and Nexus quick-disconnect cable download, available in single- and dual-radio configurations. Headset provides hearing protection with noise reduction rating (NRR) of 19, ideal for use in areas where weapons may be fired.
- Headband or neckband headsets allow attachment of acoustic electronics and communication with and without ballistic helmet
- Push-to-talk communication box with connecting cable offers radio interface capabilities



*Neckband Single  
Communication System*



*Headband Dual  
Communication System*

## Detailed component descriptions

Adjustable, rugged and low-profile radio communication headset incorporates two separate speaker systems housed in over-the-ear padded cup/muffs, enabling radio communication reception even when AAA battery power source is exhausted. Speakers are integrated into protective cups/muffs designed to fit securely and comfortably under multiple styles, models and/or sizes of ballistic protective helmet systems, including PASGT, ACH and MICH.

Miniature microphones are located within the front side of each ear cup/muff to pick up sounds in the wearer’s ambient environment, relaying sound into speakers housed within each ear cup/muff for reception by the wearer. This feature amplifies faint or low level sounds in the wearer’s environment while harmful sounds such as gunfire and loud background noises are efficiently filtered out. The internal microphones are well-shielded for optimum stereo effect and location of sound direction.

A boom microphone is mounted onto left or right ear cup/muff and features a dynamic element with noise canceling or right characteristics for optimal voice transmission.

The headset features an ambient environment “listening system”, providing natural sound reproduction without the traditional chopping or cut-off of voice, other environmental sounds, or other noise (a.k.a. sound compression). Additionally, each speaker’s output is limited to 82 dB to protect the wearer’s hearing and prevent harmful noise levels from cup/muff reception.

Ear cups/muffs are designed to allow use of long weapons by both left- and right-handed shooters. Ear cups/muffs are either steel-encased with plastic headband with vertical frame, foldable for ease of storage, or are within a steel wire-tensioning neckband system with mesh hairnet to support headset weight.

Headset features a keypad located on the side of the left cup/muff. Keypad functions as an operator control system to activate and deactivate the headset’s power, as well as to increase/decrease headset reception level volume (five individual settings). Keypad electronics include circuitry design offering memory, thus saving the wearer’s volume settings previous to the most recent headset power-down. Headset electronics operate by drawing current from two AAA alkaline batteries. Battery life averages 600 hours of use. To alert wearer of impending battery demise, a warning signal activates within ear cups periodically, beginning with an estimated 40 hours of battery life remaining.

Headset features circuitry designed to automatically shut headset off following a four-hour non-use period. Both neckband and headband styles of MICH Headsets are waterproof

### Purchasing specification quick glance features:

- ➔ Folding headband or neckband
- ➔ Stereo sound quality
- ➔ 82 dB sound level limit
- ➔ Noise-canceling dynamic boom microphone
- ➔ Green cup color
- ➔ Ambient environment amplification
- ➔ Adjustable receive volume
- ➔ Receive volume memory
- ➔ Auto shut-off following 4-hour non-use
- ➔ Two AAA alkaline batteries average 600-hour life
- ➔ Push-to-talk assembly available

### Neckband-Style Headset

<i>Part Number</i>	<i>Description</i>
Single Communication System	
10085538	MICH Headset, Neckband, single, mic right, U93 connector
10085209	MICH Headset, Neckband, single, mic left, U93 connector
Dual Communication System	
10085536	MICH Headset, Neckband, dual, mic right, U93 connector
10085537	MICH Headset, Neckband, dual, mic left, U93 connector

## Headband-Style Headset

Part Number	Description
Single Communication System	
10053550	MICH Headset, Headband, single, mic left, U93 connector
10053611	MICH Headset, Headband, single, mic right, U93 connector
Dual Communication System	
10053612	MICH Headset, Headband, dual, mic left, U93 connector
10053613	MICH Headset, Headband, dual, mic right, U93 connector

## PTTs and Accessories

10053291	PTT, PRC (MBITR land) straight, 14-inch
10053280	PTT, ICOM, straight, 14-inch
10054233	PTT, PRC (MBITR land) coiled, 8-foot (extended)
10065460	PTT, VIC-1 / VIC-3
10089253	PTT, VIC-3 only
160010A	Pad, oblong #6 for ACH ballistic shell
101014A	Velcro disc kit for ACH ballistic shell
10054739	Green carrying pouch for MICH PRC kit

Neckband style MICH Communication Headsets, single and dual com configurations are available in pre-configured kits for your ordering convenience

## MICH Communication Kit Ordering Information

Part Number	Description
Single Communication System	
10088200	MICH Single-Com left mic kit
10088271	MICH Single-Com right mic kit
	Kit includes MICH Neckband Single-Com Headset, ICOM PTT, PRC (MBITR) PTT and headset bag
Dual Communication System	
10088198	MICH Dual-Com Left Mic Kit
10088199	MICH Dual-Com Right Mic Kit
	Kit includes MICH Neckband Dual-Com Headset, 2 each PRC (MBITR) PTTs and headset bag

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



**Corporate Headquarters**  
P.O. Box 426, Pittsburgh, PA 15230 USA  
Phone 412-967-3000  
[www.MSAnet.com](http://www.MSAnet.com)

**U.S. Customer Service Center**  
Phone 1-800-MSA-2222  
Fax 1-800-967-0398

**MSA Canada**  
Phone 416-620-4225  
Fax 416-620-9697

**MSA Mexico**  
Phone 52-55 21 22 5770  
Fax 52-55 5359 4330

**MSA International**  
Phone 412-967-3354  
FAX 412-967-3451

**Offices and representatives worldwide**  
For further information: