



MSA POLICE LINE

MSA POLICE LINE

MSA POLICE LINE

MSA POLICE LINE



**MSA's ACH Advanced Combat Helmet
and MICH™ Communication Systems
for Law Enforcement**



**TRUSTED BY OUR MILITARY FORCES.
NOW AVAILABLE FOR OUR POLICE FORCES.**

ACH

Advanced Combat Helmet

The **MSA Advanced Combat Helmet (ACH)** delivers the world's most advanced ballistic and impact head protection, with unsurpassed comfort for long-term use. The helmet's low-profile design reduces the risk of interference in target acquisition and ensures compatibility with NVGs (night-vision goggles), MSA's CBRN (Chemical, Biological, Radiological, & Nuclear) Gas Masks, and MSA's communication devices.

An innovative suspension system of movable comfort pads (which are attached with Velcro disks to the inside of the helmet) provides customized sizing and superior comfort. The sized pads conform to the shape of your head to distribute the helmet's weight evenly and comfortably. Simply adjust and move the absorbent pads for a flexible, personalized fit.

Tested under fire

The MSA ACH was developed for the U.S. Military Special Operations Command, meeting stringent requirements and unprecedented demands, and



setting new performance standards. The U.S. Army was so impressed that MSA's ACH was adopted as the standard of issue for all troops deploying to the Iraq/Afghanistan Operations Theatre.

The ACH has been credited with "taking the bullet" and saving several soldiers' lives during combat. It was named one of the 10 Best Inventions of 2002 by the US Army Material Command.

Now this same helmet, battle-tested in Iraq and Afghanistan, is available for YOU in Law Enforcement.



The best protection, stability, and comfort available.

The helmet shell

- Comes in 2 helmet sizes (Medium, Large) to accommodate most head sizes
- Is available in black or dark green
- Provides Level IIIa ballistic protection
- Is tested for ballistic performance from -40°F (-40°C) to 158°F (70°C)
- Offers unsurpassed impact protection and ballistic-rated hardware

The comfort pads

- Are available in two sizes for optimal comfort and fit
- Provide a customized fit through fully adjustable pads
- Improve weight distribution, thus promoting comfort and balance
- Help dissipate impact energy for protection from head trauma
- Absorb moisture, so you stay drier
- Meet all the chemical-resistant tests required by the U.S. Army
- Are easily cleaned with a damp cloth

The 2-piece replaceable chinstrap

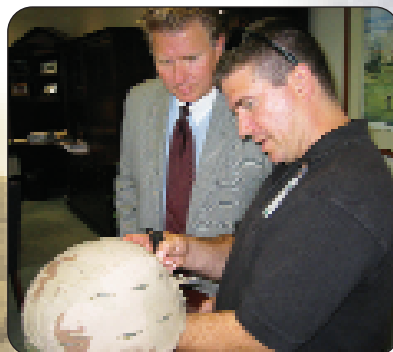
- Has a 4-point attachment system
- Is quickly adjusted to fit your face
- Has a comfortable, supportive neck pad

Like the battle-proven MSA ACH worn by our troops,

- You get a firm yet comfortable fit, even during extreme maneuvers
- Stability is maintained, even with helmet attachments such as NVG
- You can attach accessories such as goggle retainers and helmet covers
- You can add superior communication capabilities, by adding the battle-proven MICH Communication System



*Unsurpassed protection,
optimum balance,
unshakable stability,
crucial communication,
lightweight comfort*



Sgt. Colin Rich shows MSA president Bill Lambert where the bullet struck his ACH in Afghanistan.



MICH

MICH Communication Systems

U.S. Armed Forces were first to wear MSA's new durable **MICH Communication Systems** under their Advanced Combat Helmets (ACH) on Middle East battle-grounds.

Now, law enforcement officers too can wear MSA's MICH systems, either as a stand-alone headset or under MSA's ACH. Your MICH system will protect your hearing while enabling clear radio/intercom communications and situational awareness.

MSA's lightweight, comfortable, and easy-to-use MICH systems provide superior hearing protection and amplification. They use an unobtrusive bone-conduction microphone/sound transmission system to interface with various police radio transceivers and intercom systems.

The single-communication system facilitates hands-free monitoring of a single radio. MICH Single-Communication indicators are offered for the Motorola XTS family, ICOM, IC-F3, MBITR PRC 148L, MBITR Maritime PRC 148M, and other radio systems.

The high-noise headset, ideal for areas where weapons may be fired, provides hearing protection above 82 dB (an NRR of 22), and amplification of ambient noise below 82 dB (situational awareness).

System components

- One high-noise headset with a bone-conduction microphone and a quick-disconnect communication-box connector
- One PTT (push-to-talk) communication box with connecting cable
- Protective box pocket with Velcro closure

MICH Single-Communication Systems

- Facilitates hands-free use of radio
- Small, lightweight but durable
- Material case attaches to combat attire with Velcro or snap for easy carrying
- PTT button is easily pressed with gloved hands
- Can be used in extreme environments: Tested to Mil Std Saltwater Spray test of 31 days of saltwater spray and dunk
- Temperature-tested with 72-hour soak at -40°F and 72-hour dunk at 160°F
- No interference over EMI sweep (50 V/M for frequencies between 1 MHz and 1 GHz)
- Designed for optimal durability, with a specially sealed communication box, sturdy case, and strain relief on cables
- Designed to be used with MSA's ACH, gas mask, and eyewear
- Quick-disconnect headset connector

Also available:

- Low-noise bone-conduction microphone headset that can be installed in MSA ACH or worn alone
- High-noise headset with boom microphone
- Stand-alone water-resistant hearing protection headset (no radio cables)
- Dual-communication system for simultaneous monitoring of two radios/intercoms



High-noise headset worn with ACH.



Testing the MICH system for superior quality.

**TRUSTED BY OUR MILITARY FORCES.
NOW AVAILABLE FOR OUR POLICE FORCES.**



Ballistic Protection from ACH

The MSA ACH is designed to exceed the NIJ 0106.01 standard and Level IIIa protection as listed below:

- 2 grain RCC @ 4075 fps
- 4 grain RCC @ 3450 fps
- 16 grain RCC @ 2425 fps
- 64 grain RCC @ 1700 fps
- 17 grain FSP @ 2150 fps
- 124 grain, 9mm @ 1400 fps (+50 fps)

Ordering Information

ACH

MSA Advanced Combat Helmet Shell Size	Weight Gms (lbs)	Pad Size	Head Size (ISO)	Head Size (U.S.)	MSA Part Number Black	MSA Part Number Green
Medium	1400 (3.0)	No. 8	52 - 56	6 1/2 - 7	10060496	10060499
Medium	1400 (3.0)	No. 6	56 - 58	7 - 7 1/4	10060484	10060487
Large	1450 (3.25)	No. 8	58 - 60	7 1/4 - 7 1/2	10060502	10060505
Large	1450 (3.25)	No. 6	60 - 62	7 1/2 - 7 3/4	10060490	10060493

MICH

Description	
MSA MICH Communication Systems	Contact MSA for ordering information
Motorola Astro XTS Single-Communication System	
Other Single-Communication Systems available as ATO (Assemble-to-Order)	
MICH Headsets only	
Standard high-noise headset with bone-conduction microphone	
High-noise headset with boom microphone	
Low-noise headset with headband and bone-conduction microphone	
Stand-alone high-noise headset (no radio cables)	



Ask for the helmet our soldiers trust on the battlefield. Because you deserve the same unsurpassed protection on your battlefields here at home.

For MSA's Commercial Government expert or distributor near you, please contact MSA's Customer Service Center at our special toll-free number for Law Enforcement: **1-888-MSA-0018.**



MSA POLICE LINE

MSA POLICE LINE

MSA POLICE LINE

MSA POL

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.



ID 5555-241-MC /Nov. 2004
© MSA 2004 Printed in U.S.A.

Corporate Headquarters
P.O. Box 426, Pittsburgh, PA 15230 USA
Phone 412-967-3000
www.MSAnet.com

U.S. Customer Service Center
Phone 1-888-MSA-0018
Fax 1-800-967-0398

MSA Canada
Phone 1-888-MSA-0018
Fax 905-238-4151

MSA Mexico
Phone 52-55 2122 5770
Fax 52-55 5359 4330

MSA International
Phone 412-967-3354
Fax 412-967-3451

Offices and representatives worldwide
For further information:



PLATINUM SPONSOR

