





FIRST RESPONDER SAFETY SOLUTIONS

WHEN YOU GO IN,
WE GO IN WITH YOU.

www.MSAsafety.com



FIRST RESPONDER SAFETY SOLUTIONS



MSA Safety's high performance products & solutions for emergency services

MSA Safety has paved the way for innovation in fire safety equipment since 1914, with a comprehensive suite of modular, state-of-the-art solutions for firefighting, emergency response, and search & rescue.

The ground-breaking MSA Connected Firefighter network of products, featuring LUNAR, FireGrid and M1 Incident Command Solutions, including the M1 SCBA, are revolutionising connectivity, accountability, and situational awareness on the fire ground.

The iconic GALLET FIXF and F2XR helmet solutions set the industry standard for head protection and are continuously upgraded in response to new challenges. Furthermore, with the acquisition of Bristol Uniforms, now MSA Bristol, in 2021, MSA Safety has got you covered with firefighter protective solutions.

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CONNECTED FIREFIGHTER

MSA's Connected Firefighter is a platform of products that keeps your team connected on- and off-scene as well as on and off-air. Together, the products create visibility, increase efficiency, promote situational awareness and enable accountability for everyone on the scene, all while creating a network of safety.

This set of technology connects the fireground to the cloud from two points. Firstly, the M1 SCBA Telemetry solution from which the M1 Control Module communicates with the MSA HUB, the gateway for data reception. Secondly, the firefighter is connected via LUNAR, a wireless device with search and rescue capabilities. And finally, the FireGrid suite of applications provides an easily accessible cloud-based software platform.

All products work in synergy to improve team connectivity.



IMPROVING FIREFIGHTER SAFETY

WITH CONNECTED SOLUTIONS



LUNAR™ CONNECTED DEVICE

LUNAR is a handheld, wireless device to help keep a crew connected when it matters most, in the most unpredictable situations. LUNAR can be used by every firefighter on-scene, on or off air, and is equipped with Firefighting Assisting Search Technology (F.A.S.T.), edge detection enhanced thermal imaging and connectivity to provide an “all in one” safety solution.

- **FIREFIGHTING ASSISTING SEARCH TECHNOLOGY (F.A.S.T.)** - F.A.S.T. combines direction and distance information with thermal imaging to help find separated teammates and decrease response time
- **PERSONAL THERMAL IMAGING** - Personal thermal imaging with edge detection identifies hot spots and ventilation points
- **STAY CONNECTED** - A direct cloud connection enables an always-connected experience for individuals on-scene and remote by using LUNAR's integrated LTE-M* for connection to FireGrid

* not applicable for all countries, please check with local MSA team for availability



FIREGRID

FireGrid is a suite of applications supplying monitoring, maintenance, reporting and inventory management.

- **FireGrid Monitor** - The tablet-based local monitoring application gets realtime information from the device and incident data
- **FireGrid Web-Based Platform** - FireGrid web-based platform can be used for efficient post-scene processing and report generation, giving insight into fire ground operations and incidents
- **FireGrid Configure** - Easily personalise, configure, and update multiple LUNAR devices with this mobile phone application for Android or iOS devices

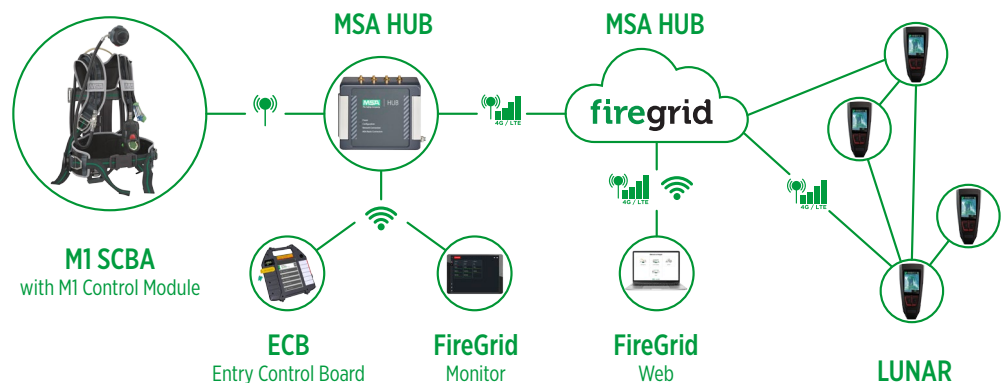


M1 CONTROL MODULE

- Easy retrofit to any MSA SCBA with Classic Line (standard thread allows direct connection to gauge line)
- Fully integrated into the high pressure pneumatics
- Combines mechanical gauge with digital display to deliver all required information to the user just by lifting the device
- Rechargeable battery with multiple recharge options
- Bluetooth for A2 software access to memory and customization of settings



MSA'S CONNECTED FIREFIGHTER PLATFORM



To learn more about the Connected Firefighter platform, visit: MSAsafety.com/connected-firefighter



WE'VE GOT YOU COVERED



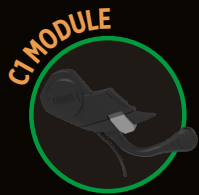
M1 SCBA: THE FUTURE OF BREATHING PROTECTION

- Most advanced, ergonomic and modular SCBA system – designed and developed side-by-side with firefighters
- Entire SCBA is machine washable
- Lightest SCBA with height adjustment on the market (less than 4 kilos)



G1 FULL FACE MASK

- Setting new standards for wearing and breathing comfort
- Low profile and improved weight distribution
- Unique airflow prevents lens fogging and reduces breathing resistance
- Improved face seal for better fit
- Seamless C1 headset integration



C1 COMMUNICATION MODULE FOR G1 MASK

- Easy attachment to the G1 mask and interchangeable between users
- Superior sound quality
- Available in non ATEX and ATEX versions
- No batteries, plug and play operation



GAUGES

- Classic Line
- Single Line
- Combi gauge SL
- SLS integrated Monitoring Unit
- M1 Control Module
- M1 Control Module (telemetry enabled)



M1 CONNECTION RESCUE HOSE

- One coupling
- Y-Piece (two couplings)
- CleanConnect



TESTING & MAINTENANCE

- SmartCHECK is a modular, compact and fully automatic test bench for any SCBA equipment
- Easiest, most dependable way to test full face masks, lung-governed demand valves, compressed air breathing apparatus and chemical protective suits according to EN and local standards

To see all firefighter products and ancillary equipment, visit:

MSAsafety.com/products/first-responder

GALLET F1XF



THE ICONIC GALLET F1XF FIREFIGHTER HELMET

- Advanced ratchet provides firefighters with an easy grip for adjusting and the neck curtain is designed with a pass-through slot for easy ratchet access
- L1XF Lighting Module - providing two levels of lighting, standard and boost (120 lumens)
- Ergonomic, well balanced design, providing comfort
- Extended thermal and mechanical protection even in extremely hot conditions
- Helmet approved to EN 443, EN 16471 & EN 16473, EN50385, including optional requirements
- Face shield protection against electrical hazards/arc flash according to GS-ET-29 (class 1)

GALLET F2XR



GALLET F2XR RESCUE HELMET

The **GALLET F2XR** is tested and certified according to the highest applicable standards for wildland firefighting, technical rescue, urban search and rescue, climbing and water rescue.

This innovative helmet demonstrates that it is possible to engineer integrated, adaptable and versatile equipment that is suitable to respond to a variety of applications and needs – be it for professional or volunteer firefighters.

- Powerful dual beam LED headlamp with tail light and SOS mode
- Integrated ocular visor
- Water rescue ear protection
- Improved responder goggles



Wildland
Firefighting



Technical +
Urban Search
& Rescue



Rescue at
Heights



Water
Rescue



MSA BRISTOL FIREFIGHTER PROTECTIVE CLOTHING





MSA BRISTOL FIREFIGHTER PROTECTIVE CLOTHING

Formerly Bristol Uniforms, now part of the MSA family. Combining decades of experience in protective clothing of Bristol Uniforms and firefighting technologies from MSA Safety to enhance and strengthen offering to fire and rescue customers and provide complete, connected safety solutions.



STRUCTURAL FIREFIGHTING

The MSA Bristol X4 Firefighting Protective Clothing is a premium structural firefighting garment developed to meet the specific wants and needs of first responders. It was developed with end-users to ensure its fit for purpose.

The Bristol X4 is designed to ergonomically fit the wearer, reduce bulk throughout the garment, and minimize the weight carried by the firefighter.

- Premium structural firefighting kits (coat and trousers) including most desired applications such as integrated rescue sling and Drag Rescue Device (DRD) system
- Premium material combinations selected to maximize thermal protection and breathability while reducing weight
- Ergonomic design to reduce weight and bulk to allow freedom of movement
- Variety of extra features to maximise comfort
- Compatible and comfortable to wear with other MSA tools and equipment



TECHNICAL RESCUE

More specialised garments are now being deployed in non-structural firefighting situations. Technical rescue PPE, often termed USAR, is now being used in confined space operations as well as road traffic accidents.

Available in a wide range of sizes, the ensembles can be supplied in a range of colour options including Navy, Hi-Viz Yellow, Hi-Viz Orange and Hi-Viz Red.



WILDLAND FIREFIGHTING

- Specific garments for outdoor Firefighting, certified to Wildland standards, such as EN ISO15384.
- Garments are constructed from a single layer flame retardant outershell and available in a range of colours. Fabrics include Eco-Dry Shield, Karvin, Wildland270, Vulkan and XCELL260.



OUR TRUSTED PARTNERS & SUPPLIERS

Our world-class design team works with leading fabric and fibre manufactures to create quality garments, using the latest fabric technology.

To learn more about MSA Bristol protective clothing, visit: MSAsafety.com/MSA-Bristol



PORTABLE GAS DETECTORS & CONNECTED WORK

THE MSA CONNECTED WORK PLATFORM

There are millions of workplace injuries every year, along with countless lost hours of productivity. The MSA Connected Work platform builds connections between workers and worksites, providing actionable data that helps safety managers create safer and more efficient work environments.

With fully integrated secure CAT-M LTE **cellular connectivity right out-of-the-box**, the ALTAIR io™ 4 Connected Gas Detector comes with automatic connection to MSA Grid cloud-based software. **No IT needed.**



Over-The-Air (OTA) Updates

The ALTAIR io 4 device gets better with time through OTA software updates delivered to your fleet with complete control and unmatched ease. Simply release the update from Grid software and your devices will update safely the next time they charge.



Automatic Bump & Calibration

When in the Dock, the ALTAIR io 4 Connected Gas Detector knows when it needs a bump test or calibration to be compliant and immediately runs the appropriate test.



Digital Device Assignment

With MSA id RFID tagging system, digitally assigning ALTAIR io 4 devices is as simple as a “tap,” and returning them happens with just a “click” when they are returned to the charger.



Rugged, Durable Design, & Industry-Leading Xcell® Sensors

Military-grade durability. IP68 rating. Survives a 25-foot (7.6 m) drop test. Breakthrough sensor design enables faster response and shorter span calibrations. Rated to last for years.

ALTAIR io 4 Gas Connected Gas Detector is available through the MSA+ subscription program, which gives you access to powerful cloud-based solutions enabling faster implementation, increased warranty coverage, and automatic software and firmware upgrades — with minimal capital expense.

MSA+
safety simplified.



ALTAIR 10™ 4

- Automatic connectivity - built-in cutting-edge, CAT-M LTE cellular connectivity and integration with the MSA Grid
- Over the air updates
- Automatic bump and calibration
- Rugged, durable design



ALTAIR 4XR

- Toughest 4-gas monitor on the market
- 4-year instrument & sensor warranty
- When every second counts - Outfitted with rapid-response MSA XCell® sensors



ALTAIR 5X

- Field-proven integral pump provides consistent gas flow, eliminating concerns of externally-attached components
- Measures up to six gases at the same time including a PID- Sensor to measure VOCs
- Rugged overmolded polycarbonate housing provides unsurpassed durability



GALAXY GX2

- Automated Test System provides simple, intelligent testing and calibration
- RFID automated calibration gas setup, status alerts and traceability
- Optimized for use with MSA's XCell® Sensors; provides up to 50% cost of ownership reduction
- Enabling total data access and control of the MSA ALTAIR family Gas Detector fleet

To learn more about the MSA connected work platform, visit: msasafety.com/connected-work

MSA

The Safety Company

MSA – THE SAFETY COMPANY

Our business is safety. It's what we live and breathe, and we've been passionate about protecting people, facilities, and the environment for over a hundred years.

We're the world's leading manufacturer of high-quality safety products and while MSA products may be simple to use and maintain, that's purely by design. They're also highly sophisticated devices and protective gear – the result of countless R&D hours, relentless testing and an unwavering commitment to quality that saves lives and protects millions of men and women every single day.

The company's comprehensive product line is used by workers around the world in a broad range of markets, including the oil, gas and petrochemical industry, the fire service, the construction industry, mining and the military. MSA's core products include self-contained breathing apparatus, fixed gas and flame detection systems, portable gas detection instruments, industrial head protection products, fire and rescue helmets, and fall protection devices.



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Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice.