MSA
The Safety Company

Connectivity & Integration

UNITED FIRE
Life Safety is Serious Work®

Why is LUNAR not integrated into the G1 SCBA?
LUNAR is standalone and wireless to enable accountability for all personnel on scene and to aid as a tool on all calls, not just exclusive to fires. Being a wireless device and not integrated into an SCBA means always having your safety with you and being as prepared as possible for the unpredictable. With the varying types of calls including structural, vehicle, hazmat, and medical, having a tool that is independent of being on air makes it applicable for all calls and supports accountability for all—even those where an SCBA is not required.

What type of connectivity does LUNAR use?
There are three types of connectivity used: LTE-M, Bluetooth, and an ad-hoc LUNAR search network. LTE-M enables direct cloud connection, allowing all data to and from the LUNAR device to be tied to FireGrid products for monitoring, maintenance, and reporting. There are two embedded Bluetooth channels, which allows for connection to two other Bluetooth enabled devices such as a G1 SCBA or ALTAIR® Gas Detector. The LUNAR search network is an always on connection between all of the active LUNARs in a network, which enables search and rescue. It is completely independent of any other connection and active without the assistance of Incident Command.

What is the range of the LUNAR search network?
0.5 mile (0.8 km) line of sight.

What happens if I don't have LTE connectivity?
Even when there is no LTE/cellular connection, the device is still capable of ranging, thermal imaging, and G1 SCBA stats. Incident Command and Remote Monitoring would not receive real-time information until connection is re-established.

Does LUNAR work with SCBA not manufactured by MSA?
When used with a SCBA other than the G1 SCBA, LUNAR is unable to pair with the SCBA to transmit air management information and device stats, but it still functions as a personal thermal imager, search and rescue device, and direct connection to the cloud for accountability.

What capabilities does LUNAR offer with a G1 SCBA with and without telemetry?
When LUNAR is paired with a G1 SCBA enabled with telemetry, in addition to the existing air management abilities (i.e. estimated air pressure, estimated time remaining, alarms), LUNAR offers the additional benefits of search and rescue capabilities, personal thermal imaging, and connectivity enabling remote monitoring.

When LUNAR is paired with a G1 SCBA that does not have telemetry, the device offers air management information for local monitoring, evacuation notification capability, search and rescue capabilities, personal thermal imaging, and connectivity enabling remote monitoring.

How does LUNAR fit in to the Connected Firefighter Platform?
Connected Firefighter is a platform of products that keep the team connected on- and off-scene as well as on and off air. It is comprised of the G1 SCBA, LUNAR, HUB, and ALTAIR Gas Detectors. Together, the products create visibility, increase efficiency, promote situational awareness, and enable accountability for everyone on-scene, all while creating a network of safety.

Alarms

What types of alarms does LUNAR have?
Motion, manual, and hardware. If the device is motionless for 30 seconds, LUNAR will go in to motion alarm. If either button is held down for approximately three seconds, the device goes in manual alarm. When LUNAR self-detects that there is an internal issue, the device places itself in hardware alarm.

Can a LUNAR be searched for if it is not in alarm?
Only LUNARs in alarm can be searched for.

When searching for a LUNAR in alarm, what information is provided?
For distance, the searcher is informed that they are either within 30 ft. (10 m), within 60 ft. (20 m), within 90 ft. (30 m), or more than 90 ft. (30 m).

Monitoring

What are my monitoring options?
FireGrid Monitor is the local monitoring app for use on iOS and Android tablets by Local Incident Command on-scene. Using the app, you have access to real-time device and incident data—air pressure, time remaining, active number of personnel on-scene, devices on-scene, active alarms, who is in alarm, who is searching for them, and how long the incident has been on. In addition, Local Incident Command can also issue an evacuation notification.

There is also Remote Monitoring available from anywhere there is access to an internet connection. This is a read-only view of real-time information transmitted from active scenes.

Thermal Imaging

How is the image quality?
LUNAR has a 3.5" (89 mm) display, 320 x 480 screen resolution, 206 x 156 (32,136 pixels) thermal image resolution and a thermal image frame rate of >16 Hz.

What exactly is Edge Detection?
Edge Detection is a thermal palette exclusive to LUNAR, which accentuates areas of temperature difference with a bright green highlight over a white-hot overlay.

Personalization & Configuration

Can I personalize and configure LUNAR?
Yes; using the mobile app FireGrid Configure, you can configure specific parameter settings, update the software, and personalize the device with a name.

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