



>>> RESPIRATORY PROTECTION

COMMCOMMAND™
SCBA COMMUNICATION ACCESSORIES

SPERIAN FIRE



Communication: A Critical Tool

In an emergency, communication for first responders is a critical matter. In keeping with our promise to listen to direct input from firefighters, Sperian is proud to introduce two high-performance solutions for firefighters.

VAS **Voice Amplification System (VAS)**
Our VAS offers loud, distortion-free, crystal-clear person-to-person communication with a push-to-talk mode or a hands-free continuous talk mode.

RCS **Radio Communication System (RCS)**
Our RCS offers robust, wireless communication via a lapel mic, either with the facepiece donned or in a tactical radio mode with the facepiece doffed.

COMMUNICATION

Both Sperian Communication Systems Stand Alone

— And Both Offer Only The Best



- **Streamlined Design**

Both systems work seamlessly with the TwentyTwenty™ Plus facepiece, without interfering with important peripheral vision.

- **Intelligent Internal Microphone**

Housed in the TwentyTwenty Plus facepiece, the microphone is designed to amplify the user's voice with no distortion in the VAS and provide a clear signal with the RCS.

- **Ease of Use**

Each system is controlled by its own on/off button, easily operated by a gloved hand. An LED easily seen by the wearer alerts the user when the system is on.

- **Automatic Shut-Off**

Precious battery power is conserved with both systems automatically shutting off after 20 minutes of being idle. Just press the on/off button to reactivate.

- **Modular Design**

Both RCS and VAS options are stand-alone components, so your department has the flexibility to purchase either system—or both.

- **Rugged Reliability**

Both systems meet stringent NFPA and CBRN standards, performing in the harsh environments that firefighters face every day.

- **Safety Always**

Both communication systems are certified as intrinsically safe.

Your Voice to Others

VAS Best-in-class, person-to-person, distortion-free communication is as close as the press of a button.

The CommCommand™ Voice Amplification System is simple, uncomplicated and dependable, with a large speaker to amplify every word. In an environment that can be noisy and chaotic, this system delivers clear communication with two modes:

- **Push-to-talk**, where the user simply presses the on/off button to communicate, and releases it to end.
- **Hands-free**, where the user presses the button twice to enter the continuous talk mode.

Mission Critical: the Lapel Mic

The workhorse of the RCS is the lapel mic, a rugged, yet sophisticated multi-function remote microphone:

- This is a traditional “speaker mic” that attaches to the auxiliary connector of a radio.
- The lapel mic draws its power from three AAA batteries instead of the user’s radio, although as a redundancy, the lapel mic will use the radio’s battery power if the AAA batteries are dead.
- When the lapel mic is linked to the RCS, radio frequency is scrambled every 20 milliseconds for crystal-clear incoming and outgoing communication.
- An optional emergency alert button gives the user “Mayday” functionality at the press of a button.

Integration Is Seamless

Linking the RCS to the lapel mic is so simple, activation can be initiated when wearing gloves. Once linked, the firefighter uses the push-to-talk button on the lapel mic to key the system, allowing normal speaking within the TwentyTwenty™ Plus facepiece.

The RCS and the lapel mic will remain linked until the user unlinks them or uses the lapel mic with a different RCS module. Should a user go from wearing the facepiece to a tactical position, he or she simply turns off the RCS module, and the lapel mic is ready for action. To activate the link, the user simply turns the RCS module back on. Even if the RCS on the TwentyTwenty Plus facepiece is turned off, the RCS will remain linked to the remote speaker microphone.

Your Link to Your Brothers

RCS We asked firefighters what they wanted in a communication system; they told us in detail; and we designed it. **Introducing the CommCommand wireless Radio Communication System – robust, simple to use and crystal-clear.**

The facepiece-mounted RCS delivers clear, undistorted, remote communication via a lapel mic that uses Digital Spread Spectrum technology. This technology makes it possible for the lapel mic and the facepiece module to communicate with each other 14,000 times per second.

Digital Spread Spectrum (DSS): The Benefits Are Loud and Clear

DSS is a cutting-edge advancement in audio technology. It uses “frequency hopping” to spread the audio signal over a much wider bandwidth, increasing the signal-to-noise ratio. The result is a wider range of operation and less susceptibility to interference. In addition, DSS communications are less likely to interfere with other devices using the same frequency. The secure channel of communication that DSS gives can be the edge firefighters need in a crucial situation.

Why Wireless Communication Is Better

- Hands-free, radio frequency technology is dependable and simple to use
- Modular design allows for greater flexibility, with seamless integration
- A truly wireless solution eliminates the danger of cables becoming caught as snag points
- Intelligent internal microphone eliminates distortion, allowing for crystal-clear communication



WIRELESS

COMMCOMMAND™ SCBA COMMUNICATION ACCESSORIES



ORDERING INFORMATION

Communication Component Part Numbers (Installed)

X242135	CommCommand wireless Radio Communication System (RCS)
X242136	CommCommand Voice Amplification System (VAS)
X242137	CommCommand RCS and VAS (Combo)
X242138	CommCommand facepiece modification kit (VAS without amplifier module)

Lapel Mics

Brands of radios supported with the CommCommand wireless communication system include:

- Motorola
- Kenwood
- M/A-Com
- E.F. Johnson
- Bendix/King
- Icom

Please contact your Sperian distributor for a list of part numbers for specific radio models.



WARNING! This document provides only an overview of the respiratory products shown. It does not provide important product warnings and instructions. Sperian Respiratory Protection recommends that all users of respiratory equipment undergo thorough training and that all warnings and instructions provided with the products be thoroughly read and understood prior to use. Failure to read and follow all product warnings and instructions may result in serious personal injury, illness or death.