



## Fire and Emergency Services

# ClearCalm™

## Clear Communications Bringing You Home



### FEATURES AND ADVANTAGES

**In mask mounted transmitter** - The ClearCalm transmitter is installed inside the SCBA facepiece. This design provides a high level of voice clarity, isolates the voice from high noise environments, and removes excess weight and bulk from the outside of the facepiece.

**Wireless design** - ClearCalm uses a wireless link between the transmitter and receiver. This eliminates potential tangle hazards, and enhances ease of use.

**High voice quality** - ClearCalm uses DSP (Digital Signal Processing) technology to create extreme voice clarity. Proprietary patent pending software has been developed to ensure clear messages in all environments. Transmitted breathing sounds and missing words are, "a thing of the past".

**Hands free operation** - ClearCalm is voice activated and eliminates the problems encountered with typical VOX systems. Users no longer need to toggle on/off switches, push buttons or connect interface cables. ClearCalm is very easy to use in emergency environments.

**Friction fit installation** - The ClearCalm transmitter installs in the SCBA facepiece via a simple, friction fit installation. Tools are not required at any time for installation or removal of the transmitter. The ClearCalm transmitter moves easily from facepiece to facepiece and is very easy to clean.

**TeamComm feature** - This feature provides hands free, person-to-person team communications up to 250 ft based on line of sight, eliminating the need for responders to use the radio to communicate with team members who are in close range. This significantly improves problems with excessive radio traffic. A PTT (push to talk) button on the receiver is used for radio communications.

**Lapel Mic concept** - The receiver / interface unit has been designed to replace the lapel mic on the user's existing radio. The system provides radio communications when an SCBA facepiece is not being worn. ClearCalm integrates into existing radios being used.

**Common battery technology** - ClearCalm makes use of common, readily available alkaline battery technology. This eliminates the need to source specialty batteries and reduces operating costs.

**Removable interface cable** - The interface cable is removable, allowing for easy field upgrades. When the interface cable is removed, ClearCalm can still function as a team communication system, creating flexibility for responders who deploy a limited number of radios.



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ClearCalm is designed to improve firefighter safety and communications for all emergency responders. Built with input from Firefighters for Firefighters, ClearCalm addresses many problems experienced when communicating while wearing an SCBA. Visit us online to learn more about ClearCalm, the latest innovation in firefighting communications and safety.

### ORDERING INFORMATION

Transmitter Module:	CCT01SC
Receiver:	CCR01A
Interface Cable:	CCIF001MO

Contact sales  
1 877 219 8504  
info@clearcalm.com

[www.clearcalm.com](http://www.clearcalm.com)

**For further information:**  
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## THE CLEARCALM SYSTEM

The ClearCalm system is the world's first and most advanced wireless, voice activated SCBA communication system. It has been specifically designed to improve the quality of in mask communications for Firefighters, Hazardous Materials teams, Industrial personnel and others who are required to perform hazardous duties while wearing a Self Contained Breathing Apparatus, (SCBA).

The ClearCalm system consists of a wireless transmitter, which mounts inside the SCBA facepiece, and a receiver unit designed to interface with the users existing radio. These components work together to provide the user superior in mask radio communications, hands free person to person team communications, and hands free voice amplification to occur simultaneously via the proprietary ClearCalm operating software.

The unique design of ClearCalm has solved many of the problems encountered with typical SCBA communication systems on the market today. Issues such as difficult communications in high ambient noise environments, poor voice quality, extra weight and bulk, interface wires located on the mask, and poor user interface have all been eliminated with this revolutionary system.

ClearCalm utilizes the latest DSP (digital signal processing) technology to substantially improve voice clarity and quality as well as allowing for the wireless interface between mask and receiver. In addition, the sheer simplicity of the system ensures ease of use and minimizes training.

General Specifications		
<b>Battery Type:</b>	<b>Transmitter</b>	1 X 1.5V AAA Alkaline
	<b>Receiver</b>	3 X 1.5 V AAA Alkaline
<b>Battery Life:</b>	<b>Transmitter</b>	TBD Hours @ 50% duty cycle
	<b>Receiver</b>	TBD Hours @ 50% duty cycle
<b>Size:</b>	<b>Transmitter</b>	3.7"W – 2.2"H - .9"D
	<b>Receiver</b>	2.8"W – 6"H – 1.9"D
<b>Weight:</b>	<b>Transmitter</b>	3oz with battery installed
	<b>Receiver</b>	8oz with battery installed
<b>Durability</b>		Designed to meet MilSpec 810 F
<b>IP Rating:</b>	<b>Transmitter</b>	IP 67
	<b>Receiver</b>	IP 66
<b>Operating Temperature</b>		-20C to 50C (-4F to 122F)
<b>Wireless Protocol</b>		RF (radio frequency) ISM Band 902 – 928Mhz non licensed
<b>Warranty</b>		1 year
<b>Ratings and Certifications</b>		CSA / UL 913 Intrinsically safe: Class 1 Div 1 groups A, B, C, D , FCC part 15 & IC RSS 210

Due to ongoing research and product improvement, specifications are subject to change without notice

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