

# SpiroCom

## VOICE COMMUNICATION SYSTEM

- ❶ Voice activated team talk radio
  - **Hands-free communication within the team**
- ❷ Full duplex team talk radio
  - **Team members can speak simultaneously**
- ❸ Push-to-talk (PTT) long distance radio activation
  - **Reliable external communication**
- ❹ Shared long distance radio resources
  - **Reduction of radio units per team**
- ❺ Redundant long distance radio access
  - **Automatic switch-over if one radio fails**
- ❻ Wireless technology
  - **No cables**
- ❼ High audio quality and active noise reduction
  - **Clearer sound and better communication**
- ❽ Integrated voice projection unit
  - **Direct dialog with people without radio**



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## VOICE COMMUNICATION SYSTEM

The SpiroCom's three most vital functions are all integrated in the same mask mounted wireless unit:

- Team Talk
- Long Distance Radio Activation
- Voice Projection Unit

The **TEAM TALK** feature is a voice activated, full duplex, short range voice communication within a team of fire fighters. Without pushing any buttons the voice communication from one team member is sent to all the other team members. This team communication is not transmitted externally.

To access the **LONG DISTANCE RADIO ACTIVATION** the user simply pushes the push-to-talk (PTT) button on the side of the SpiroCom unit. All team members wearing a SpiroCom unit can access the long distance radio at any time.

All team members will receive the communication (for example an evacuation order) transmitted to the long distance radio carried by any team member.

The long distance radio activation feature requires an Interspiro radio adaptor box connected to one long distance radio carried by any of the team members.

The **VOICE PROJECTION UNIT (VPU)** amplifies the voice of the SpiroCom user and projects it via an external speaker to victims or rescue personnel not equipped with a SpiroCom.

The SpiroCom is also equipped with these features:

- Active noise control
- Volume adjustment
- Mute function
- Display and LED indicator



### North America - South East

Hydro-Stat, Inc. [www.hydrostat.com](http://www.hydrostat.com)  
1111 SW 1st Way - Deerfield Beach, FL 33441

TEL 954-428-7677 FAX 954-481-2823 E-MAIL: [rmickels@hydrostat.com](mailto:rmickels@hydrostat.com)

### STANDARDS AND APPROVALS - PENDING

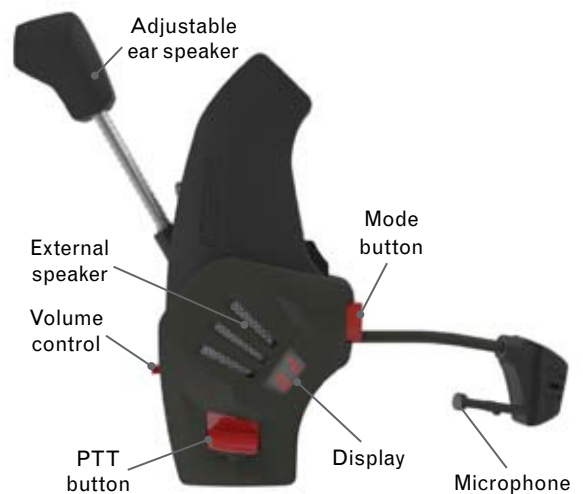
- Ingress Protection IP67
- Intrinsically safe, mask unit
  - GA Ex ia IIC T4, -30°C - +70°C
  - UL 913, Class 1, Division 1, Group A, B, C & D
  - CAN/CSA - E60079-11:02
- Intrinsically safe, radio adaptor box
  - Depends on the long distance radio being used
- FCC
- NIOSH
- CE
- NFPA 1981 (accessory)
- EN137 (accessory)

### BATTERY DATA

- 3 x AAA batteries
- 25 hours usage time
- Over one year in standby mode
- Low battery indication

### TECHNICAL DATA

- Line of sight range: ~100 meter (328 ft) for team talk communication (in open air)
- Long distance radio: Same range as for the radio model used
- Frequency: 868 MHz (Europe) or 915 MHz (US/Canada)



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