

**CON-SPACE**  
COMMUNICATIONS

*Safety in Communication*

# Voice Communication for Hospital Decon





# your Problem

Inability to communicate with team members due to Protective Suits & Facemasks

Inability to communicate with patients due to Protective Suits & Facemasks

Improper use of radios leading to poor ineffective communication

Ineffective communication with ER and Incident Commanders



**SO HOW DOES EVERYONE  
TALK TO EACH OTHER?**



# our Solution

Accessories that attach to your portable radio and are configured to work in conjunction with facemasks & protective suits

Built-in Voice Amplification to communicate with patients and other personnel outside of your protective suit and facemask

A portable, full-duplex, hands-free intercom system that is hardwired to provide continuous two-way voice communication between ER and Incident Commanders from the Warm Zone & Cold Zone



# Mass Decon Kit *Part NO. 0103-69-100*

In a Mass Decon Scenario, numerous problems arise but the most overlooked problem is typically communication. Regardless of the type of Decon Exercise or Operation, Level A, B and C suits are always a must and thus voice communication through the use of normally hand held portable radios becomes a challenge both between decon team members and the patients they administer to. CON-SPACE Communications solves this underlying issue with its Mass Decon Kit, which provides a complete voice communication system that allows each user to communicate on his/her portable radio even while wearing any protective suit and/or facemask.

The Mass Decon Kit includes **3 CSVA Voice Amplifiers w/ lightweight boom mics**, allowing for stand-alone voice amplification through any protective suit (or PAPR), **4 SRVA Push-to-Talk Voice Amplifiers with throat mics and behind-ear speakers**, which act as both a voice amplifier and remote push-to-talk switch for your portable radio that can be worn underneath either a facemask and/or a protective suit and finally **2 SR65M Push-to-Talk Radio Accessories with the Sidewinder lightweight headset**, which act as standalone remote PTT's for the Safety Officer and a Cold Zone medical attendant.



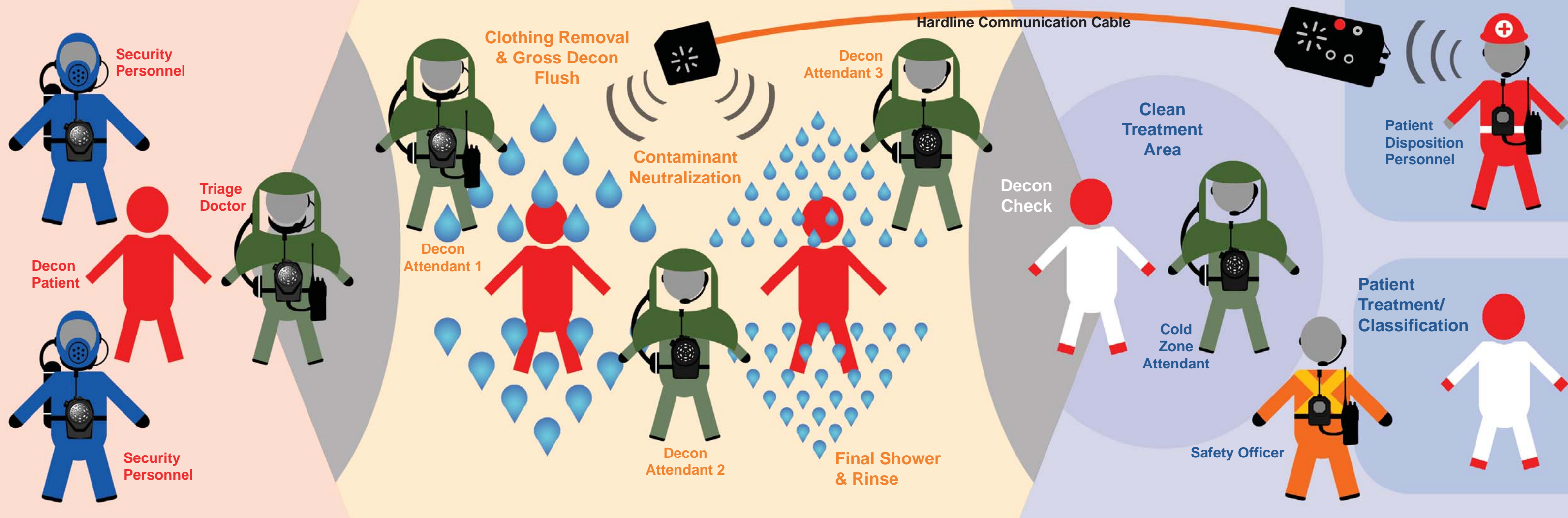
**\*Custom configurations available\***

## **ENHANCED** Mass Decon Kit *Part NO. 0103-71-001*

Expand your voice communication capabilities even further with the Enhanced Mass Decon Kit! This complete kit includes everything in the basic Mass Decon Kit in addition to the CON-SPACE Power Talk Box System which provides hands-free, untethered, full duplex voice communication from within a 30 ft. radius at both ends. Regulate, receive and transmit voice communication with the **CSI-2131 Power Talk Box Controller** from your Patient Disposition Point while the **CSI-2140 Power Talk Box** receives and transmits voice communication to and from the inside of the decon tent! Now you have individual voice communication between team members and patients as well a continuous, full-duplex, open line of voice communication between personnel in the Warm and Cold Zones; voice communication couldn't be simpler!

**IMPORTANT NOTE:** Please be aware that the scenario and configuration of communication equipment displayed on the right is just a basic reference. Products can be added and customized to correspond to larger or differently configured scenarios.





HOT ZONE

WARM ZONE

COLD ZONE



VOICE COMMUNICATION REFERENCE GUIDE

Throat Mic



Lightweight Headset



SR65M  
Push-to-Talk  
Radio Accessory



\*Radios  
NOT included

SRVA Push-to-Talk  
Voice Amplifier Radio Accessory



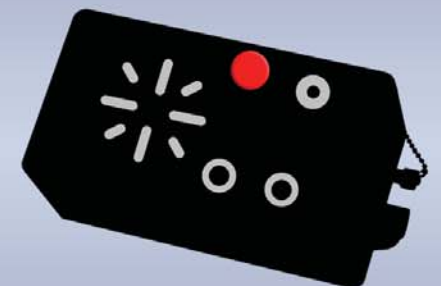
CSVA  
Voice Amplifier



CSI-2131 Power Talk  
Box (in 'Plus' Kit)



CSI-2140 Power Talk Box  
Controller (in 'Plus' Kit)





# Product Specifications

	SRVA	CSVA	SR65M
Type of Product	Radio Voice Amplifier	Voice Amplifier	PTT/ Radio Interface Unit
Type of Microphone	Interchangeable	Interchangeable	Interchangeable
Speaker Material	Mylar	Mylar	n/a
Speaker Freq. Resp.	450 Hz to 9kHz	450 Hz to 9- kHz	n/a
Push-To-Talk	Tactile	n/a	Either available
Self-Powered	Yes	Yes	n/a
Battery Type	3 x 1.5 V- AA cells.	3 x 1.5 V- AA cells.	n/a
Battery Life - Operate/Stby	40 / 200	40 / 200	n/a
Weight	13.7oz/ 390g	13.9oz/ 393g	7.1oz/ 202g
Cable Pull Strength	69kg/ 31g	69kg/ 31g	69kgs/ 31g
Colours	Matte Black	Matte Black	Matte Black
Operating Temp	-20C to 40 C	-20C to 40C	-20C to 40 C
Output Sound Level -Speech	84 dB	84 dB	N/a
Water Resistance	Yes	Yes	Yes
Adjustable Mounting	Yes	Yes	Yes
ROHS Compliance	Yes	Yes	Yes
IP Compliance	Yes, IP- 57	TBA	Yes, IP- 57
EMC Compliance	Yes	TBA	TBA
Warranty	18 mos	18 mos	18 mos
Part Number	1920-03-000	1921-03-000	1926-00-001

	Bullet Headset	Sidewinder Headset	Talon Throat Mic
Type of Product	Headset	Headset	Microphone
Type of microphone	Electret Element	Electret Element	Proprietary
Mic Sensitivity	-40 +/- 2dB	-43 +/- 3dB	-32 +/-6dB pk*
Mic Operating Voltage	1.0 to 10 VDC	1.3 to 17 VDC	1.3 to 10 VDC
Mic Operating Current	< 500uA	< 500uA	< 500uA
Mic Freq. Response	100 Hz to 10 kHz	250 Hz to 4 kHz	300Hz to 4 kHz
Speaker- Single/Double	Single	Single	Single / Various
Speaker Sensitivity	117 +/- 3dB/ 10mW	108 +/- 3dB/ 10mW	Accessory Dependant
Speaker Element	250 Hz to 4 kHz	250 Hz to 4 kHz	Accessory Dependant
Frequency Response			
Speaker Impedance presented to radio.**	88 Ohm	88 Ohm	77 to 88 Ohm - Accessory Dependant
Headband Material	Rubber	Rubber	Rubber
Ear Cushion	Rubber Foam	Rubber Foam	n/a
Weight	1.15 / 33	2.83 / 80	1.4 / 40
Cable Pull Strength	Preliminary	Preliminary	85 / 38
Colours	Matte Black	Matte Black	Matte Black
Helmet Compatible	Yes	Yes	Yes
Face Mask Compatible	No	No	Yes
EnviroSuit Compatible	Yes	Yes	Yes
Water Resistance	Yes	Yes	Water- proof
Adjustable Mounting	Yes	Yes	Yes
ROHS Compliance	Yes	Yes	TBA
Warranty	18 mos	18 mos	18 mos
Part Number	1926-03-007	1926-03-006	1926-01-010

The Power Talk Box System	Alarm Level	Battery Life	Operating Temperature	Overall Dimensions	Enclosure Dimensions	Weight w/ Batteries
Power Talk Box Controller	84d BA at 1 m	200 hrs. at normal activity	-20° C to +40° C	262mm x 120mm x 124mm; (10-5/16" x 4-3/4" x 4-7/8")	222mm x 120mm x 90mm; (8-3/4" x 4-3/4" x 3-1/2")	2 kg (4.4 lbs.)
Power Talk Box	84d BA at 1 m	200 hrs. at normal activity	-20° C to +40° C	152mm x 140mm x 124mm; (6" x 5-1/2" x 4-7/8")	120mm x 118mm x 89mm; (4-3/4" x 4-5/8" x 3-1/2")	1.5 kg (3.3 lbs.)

SR65M Certification	CSVAi Certification	Power Talk Box System Certification
<p>CLASS I, II, III, DIV.1, GROUPS, A - G - T4 Exia</p>  <p>IEC Ex ia IIC T4 IECEX ITS07.0015X</p> <p>CE 0359 Ex II 1 G Ex ia IIC T4 ITS07ATEX25576X</p>	<p>CLASS I, II, III, DIV.1, GROUPS, A - G - T4 Exia</p>  <p>IEC Ex ia IIC T4 IECEX ITS07.0012X</p> <p>CE 0359 Ex II 1 G Ex ia IIC T4 ITS07ATEX25659X</p>	<p>U. S. A. FACTORY MUTUAL</p> <p>CANADA CSA</p> <p>EUROPEAN UNION INTERTEK</p> <p>Class I,II,III, Division 1 Groups A,B,C,D,E,F,G, T3C</p> <p>Class I, Division 1, Groups A,B,C,D; Class II, Group G and Coal Dust; Class III, T3C</p> <p>CE 0359, Ex II 1 GD EEx ia IIC T4 ITS03ATEX21856X (for 1000 Systems) ITS04ATEX21945X (for 2000 Systems)</p>



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