EPIC 3 RI

VOICE COMMUNICATION SYSTEM

SCOTT
SAFETY

EPIC 3 RI
VOICE COMMUNICATION SYSTEM

VOICE CLARITY AND FIELD RADIO INTEROPERABILITY WITH BLUETOOTH® TECHNOLOGY

- Communicate clearly and effectively on the fireground and easily switch from non-tactical to tactical communications with the EPIC 3 Radio Interface (RI) Voice Communication System.

  We developed the EPIC 3 RI system to address the changing communication needs of firefighters and emergency personnel. The lack of clear fire scene voice communications is a leading concern for fireground situational awareness and safety. Working closely with first responders around the world, Scott Safety developed the EPIC 3 RI Voice Communication System — voice amplifiers, lapel speaker microphones, specialized accessories, and programming utilities — to meet the demanding needs and conditions while complimenting the performance and safety benefits of Scott Safety SCBA and personal protective equipment (PPE).

- **THE EPIC 3 RI VOICE COMMUNICATION SYSTEM:**

  - Enhances SCBA facepiece voice communication intelligibility and loudness

  - Advances safety through easy-to-use wireless communication interoperability with mobile field radios

  - Provides easy transition from non-tactical to tactical communication modes

  - Ensures operational compatibility with both legacy and new Scott SCBA and PPE

  - Consolidates device functionality to reduce technology costs

  - Improves user communications from the incident scene to remote locations

Clear communication when and where you need it.

Clear and pervasive communication improves first responder safety and enhances situational awareness. Hear and be heard while communicating in high noise environments or en route to the incident.

Easy-to-use and reliable operation.

Simplified device operation and reliable Bluetooth technology allows first responders to communicate effectively with team members and incident command while focusing on the tasks at hand.

Interoperable with hundreds of field radios to provide ultimate flexibility.

Works with a wide range of field radio makes and models, allowing you to utilise existing radio equipment when used with Scott Safety SCBA, PPE, and communication solutions.

Multi-purpose utility consolidates devices while reducing operational costs.

Enhances SCBA facepiece voice communications, field radio interoperability, and remote speaker microphone operation. Supports facepiece use with supplied air, SCBA, APR, and PAPR breathing apparatus devices, increasing communications and facepiece utility while reducing equipment spend.

Compatible with Scott SCBA and facepieces for increased long-term value.

Add enhanced communications to new and legacy Scott Safety SCBA and PPE, providing additional safety benefits and value.

Easy-to-use utilities make programming a breeze.

All EPIC 3 Voice Amplifiers and Lapel Speaker Microphones can be easily software configured to meet specific customer use case and radio interoperability requirements if required. Device firmware and features can be upgraded while in the field, extending device utility while reducing device administration costs.

Durable high-heat rated construction withstands the rigors of firefighting.

All EPIC 3 Voice Amplifiers and Lapel Speaker Microphone housings and cables are purpose built to withstand the demands and high temperatures (up to 260º C) associated with interior firefighting, ensuring years of reliable operation and low maintenance costs.

FUTURE-PROOF YOUR EQUIPMENT

Upgrade capabilities and system compatibility with new and existing equipment make the EPIC 3 RI Voice Communication System virtually futureproof so you can maximize your investment.

The EPIC 3 RI System delivers multi-purpose communications utility and system compatibility with new and existing equipment.

Specialised communication accessories can also be used with the Lapel Speaker Mic, allowing you to further customize the EPIC 3 RI system to meet your specific requirements.

Supports connectivity and use with EPIC 3 communication accessories such as remote PTT Paddle, remote ring PTT switch, command headset, throat microphone and earpiece, and other future accessories.

SPECIFICATIONS
EPIC 3 RI VOICE AMPLIFIER

FIRE SAFETY STANDARDS	
NFPA	NFPA 1981 Approved (2002/2007/2013 Editions). Complies with NFPA 2013 Edition SCBA Sound Transmission Index (STI) acoustic standards for voice intelligibility
PHYSICAL	
Dimensions	100mm x 60mm x 58mm
Weight	200g with 3 AAA batteries
Microphone	
EPIC 3 RI Voice Amplifier Unit	
Model Type	High sensitivity microphone with Auto Gain Control and Breath Detection technology
Sensitivity	-42dBV typical
Signal to Noise Ratio	60dB
Speaker Acoustics	
Diameter	Front: 40mm
	Rear: 20mm
Maximum Output Level	Front: 94db SPL (@ 1kHz, 30cm)
	Rear: 91db SPL (@ 1kHz, 10cm)
Frequency Response	Front: 300-4000Hz
	Rear: 500-4000Hz
Communication	
Wireless Communications	Bluetooth 2.1 class 2 radio for wireless communications with EPIC 3 Radio Interface Lapel Speaker Microphone and compatible two-way field radios
Power	
Power Source	3 – AAA alkaline intrinsically safe batteries; compatible with rechargeable NiMH batteries
Battery Life	Designed to deliver 40 hours runtime @ 25% voice amplification and Bluetooth connectivity duty cycle. Auto shut down feature after 20 minutes of inactivity to conserve battery life.
ENVIRONMENTAL	
High Heat and Flame	260º C for 5 min soak with a 10 second flame impingement followed by a 6 inch drop
Standard Heat and Flame	95º C for 15 minute soak with a 10 second flame impingement followed by a 6 inch drop
Radiant Heat	15 kW/m2 for 5 minutes at 7 inches +/- 1 inch from heat source followed by a 6 inch drop
Operating Temp	-30 C to +80 C
Storage Temp	-30 C to +60 C
Humidity	MIL-STD 507.x PROC. II
Intrinsic Safety Rating	UL 913, IS 6th and 7th Editions: Class I, II, III, Division 1, Groups C, D, E, F and G. Ex ia IIB T3 Ga IP66/67; IEC standards IEC 60079-0: 2007-10 Edition 5; and IEC 60079-11: 2011 Edition 6.0
ESD	IEC/EN61000-4-2
Ingress Protection	IP66 and IP67
Drop & Tumble	6 ft drop all 6 sides – 30 minute tumble.

SPECIFICATIONS
LAPEL SPEAKER MICROPHONES
BLUETOOTH AND STANDARD

FIRE SAFETY STANDARDS	
NFPA	NFPA 1981 Approved (2002/2007/2013 Editions).
PHYSICAL	
Dimensions	Bluetooth LSM: 108mm x 70mm x 48mm
	Standard LSM: 108mm x 70mm x 38mm
Weight	Bluetooth LSM: 342 g with 3 AAA batteries
	Standard LSM: 232g
Microphone	
Model Type	Omnidirectional
Sensitivity	-42dBV typical
Signal to Noise Ratio	60dB
Speaker Acoustics	
Diameter	40mm
Maximum Output Level	94db SPL (@ 1kHz, 30cm)
Frequency Response	300-4000Hz
Communication	
Wireless Connectivity	Bluetooth 2.1 class 2
Field Radio Cable	High heat rated cable with field radio specific Universal Device Connector options
Accessory Connector	Industrial grade 6-pin connector interface with protective cover
Power	
Power Source	Radio battery for Bluetooth LSM & LSM primary power functions
	Bluetooth LSM: 3 – AAA Alkaline Intrinsically Safe batteries for Bluetooth radio power; compatible with rechargeable NiMH batteries
Battery Life	Bluetooth LSM: Designed to deliver 50 hours runtime @ 25% Bluetooth communications duty cycle
ENVIRONMENTAL	
High Heat and Flame	260º C for 5 min soak with a 10 second flame impingement followed by a 6 inch drop
Standard Heat and Flame	95º C for 15 minute soak with a 10 second flame impingement followed by a 6 inch drop
Radiant Heat	15 kW/m2 for 5 minutes at 7 inches +/- 1 inch from heat source followed by a 6 inch drop
Operating Temp	-30 C to +80 C
Storage Temp	-30 C to +60 C
Humidity	MIL-STD 507.x PROC. II
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PRODUCTS

NEW VOICE COMMUNICATIONS SOLUTIONS FOR THE EPIC 3 RI INCLUDE:

EPIC 3 Radio Interface (RI) Voice Amplifier

Combines voice amplification and wireless interoperability with two-way field radios to enhance first responder tactical voice communications. Also supports field upgrade of Talk Around group communications.

EPIC 3 Bluetooth® Lapel Speaker Microphone

Supports wireless communications with EPIC 3 RI Voice Amplifier and remote speaker microphone operation with two-way field radios, providing seamless tactical and non-tactical communication capabilities. Also offers connectivity with EPIC 3 communication accessories.

EPIC 3 Programmer

Bluetooth-enabled programming module and user-friendly software utilities for programming and upgrading EPIC 3 Voice Amplifier and Lapel Speaker Microphone.

EPIC 3 Accessories

Specialized communication accessories that extend the EPIC 3 utility include command headset, throat microphone with earpiece and remote ring PTT control, remote PTT paddle device, and remote ring PTT control device.

ORDERING INFORMATION

Article Number	Description
EPIC 3 Radio Interface Voice Amplifier	
2031846	EPIC 3 RI Voice Amp OB Configuration AV3000HT*
2031847	EPIC 3 RI Voice Amp Vision3
2031848	EPIC 3 RI Voice Amp Promask
EPIC 3 Lapel Speaker Microphone	
2031849	EPIC 3 LSM Motorola HT1000, XTS series
2031850	EPIC 3 LSM Motorola HT750/1250/1550 series
2031851	EPIC 3 LSM Motorola Mototrbo XPR Series, APX series
2031852	EPIC 3 LSM Kenwood TK280/290/380/390 series
2031854	EPIC 3 LSM Harris P5400/7300, Unity Series, XG series
EPIC 3 Bluetooth Lapel Speaker Microphone	
2031855	EPIC 3 Bluetooth® LSM Motorola HT1000, XTS series
2031856	EPIC 3 Bluetooth® LSM Motorola HT750/1250/1550 series
2031857	EPIC 3 Bluetooth® LSM Motorola Mototrbo XPR Series, APX series
2031858	EPIC 3 Bluetooth® LSM Kenwood TK280/290/380/390 series
2031859	EPIC 3 Bluetooth® LSM Motorola Radius GP300 series
2031860	EPIC 3 Bluetooth® LSM Harris P5400/7300, Unity Series, XG series
EPIC 3 Voice Communication System Accessories	
2031861	EPIC 3 Ring PTT
2031862	EPIC 3 Paddle PTT
2031863	EPIC 3 Throat Mic
2031864	EPIC 3 Command Communication Headset
2031865	EPIC 3 Bluetooth® Programmer Interface with USB cable
Vision 3 Facemask	
2032228	Vision 3 LQF ECB, Small Size rubber head harness (Compatible with Epic)
2030720	Vision 3 LQF ECB, Medium Size rubber head harness (Compatible with Epic)
2032227	Vision 3 LQF ECB, Medium/Large Size rubber head harness (Compatible with Epic)
2030743	Vision 3 LQF ECB, Small Size Polyester net head harness (Compatible with Epic)
2030742	Vision 3 LQF ECB, Medium Size Polyester net head harness (Compatible with Epic)
2030741	Vision 3 LQF ECB, Medium/Large Size Polyester net head harness (Compatible with Epic)
2031862	EPIC 3 Paddle PTT
2031863	EPIC 3 Throat Mic
Promask Facemask	
2032232	Promask Positive Pressure Facemasks LQF ECB, Small Size rubber head harness (Compatible with Epic)
2032231	Promask Positive Pressure Facemasks LQF ECB, Medium/Large Size rubber head harness (Compatible with Epic)
2030786	Promask Positive Pressure Facemasks LQF ECB, Small Size Polyester net head harness (Compatible with Epic)
2030785	Promask Positive Pressure Facemasks LQF ECB, Medium/Large Size Polyester net head harness (Compatible with Epic)

*AV3000HT Coming Soon

Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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