



3M™ Scott™ Epic 3 RDI



The EPIC 3 Radio Direct Interface (RDI) voice amplifier enhances SCBA facepiece voice intelligibility and delivers clear two-way radio communications when operated with compatible handheld field radios and remote speaker microphones (RSM).

Compatible with all 3M Scott AV, Vision, and Promask series facepieces and breathing apparatus systems, the EPIC 3 RDI provides 3M Scott Fire & Safety customers with the safety and operational benefits of enhanced tactical voice communications while extending the value of their SCBA and Personal Protection Equipment.

The EPIC 3 RDI operates directly with compatible Bluetooth®-enabled handheld field radios and matching remote speaker microphones, allowing customers to utilize their existing radio equipment to simplify system operation, deployment logistics, and reduce technology spend.

Integrated noise suppression technology reduces environmental ambient noise from the facepiece and radio voice communications, allowing first responders to be clearly heard and understood when communicating with incident victims, team members, incident commanders, and remote dispatchers.

Durable purpose-built design and construction ensures the EPIC 3 RDI will perform long term in high temperature use case environments, enhancing worker safety while minimizing customer maintenance costs.

Features and Benefits

Operates with compatible handheld field radios and remote speaker microphones

Provides clear and loud SCBA and radio voice communications at the incident scene for improved worker situational awareness and safety. Operates with customers' existing radio equipment to reduce technology spend and lower total cost of ownership.

Works with a broad range of 3M Scott SCBA and PPE equipment

Allows customers with new or legacy 3M Scott SCBA and PPE equipment to enhance fire scene voice communications to further improve worker safety. Helps future proof their 3M Scott SCBA and radio equipment investment.

User friendly operation and ergonomics

Allows easy system set up, learning, and operation. Provides fast and reliable transitioning between radio / RSM and tactical SCBA-radio communication modes.

Durable and reliable purpose-built design and construction

Ensures reliable long term operation in demanding high temperature environments. Enhances worker safety while minimizing customer maintenance costs.

Easy and flexible device configuration

Allows easy device configuration to optimize system performance for specific user and task requirements.

Physical	
Dimensions	100mm x 60mm x 58mm
Weight	200g with 3 AAA batteries
Microphone	
Model Type	High sensitivity microphone with auto gain control and breath detection technology
Speakers	
Diameter	Front: 40mm / Rear: 20mm
Frequency Response	Front: 300-4000Hz / Rear: 500-4000Hz
Communications	
Wireless Communications	Provides Bluetooth® voice communications operation with compatible Motorola APX™ and Harris XL series radios and matching Remote Speaker Microphones (RSM). Support for additional field radio models pending.
Facepiece Voice Enhancement	Amplifies and enhances facepiece voice intelligibility
Part Number	
201276-11	EPIC 3 RDI Voice Amplifier for use with Motorola APX radios, Open Bracket Configuration
201276-12	EPIC 3 RDI Voice Amplifier for use with Motorola APX radios, Closed Bracket Configuration
201276-21	EPIC 3 RDI Voice Amplifier for use with Harris XL radios, Open Bracket Configuration
201276-22	EPIC 3 RDI Voice Amplifier for use with Harris XL radios, Closed Bracket Configuration
Power	
Power Source	3 – AAA Alkaline batteries, intrinsically safe; compatible with rechargeable NiMH batteries
Battery Life	Designed to deliver 10 hours runtime @ 25% voice amplification duty cycle use and 100% Bluetooth connectivity duty cycle use with compatible Bluetooth-enabled handheld field radios. Runtimes may vary based on field radio Bluetooth configuration.
Environmental	
High Heat and Flame	500°F / 260° C for 5 min soak with a 10 second flame followed by a 6 inch drop.
Standard Heat and Flame	203° F / 95° C for 15 minute soak with a 10 second flame 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
Storage Temp	-30 C to +60 C
Humidity	MIL-STD 507.x PROC. II
Ingress Protection	IP66 and IP67
Drop & Tumble	6 ft drop all 6 sides – 30 minute tumble.
Regulatory Approvals and Certifications	
NFPA	NFPA 1981 approved (2002/2007/2013 Editions). Complies with NFPA 2013 Edition SCBA Sound Transmission Index (STI) acoustic standards for voice intelligibility.
NIOSH	Meets NIOSH 42 CFR, Part 84 certification standard
ESD	IEC/EN61000-4-2
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

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