FIRE SPEAKER MICROPHONE
ADVANCED FIREFIGHTING DEVICE

Designed with input from fire agency professionals, the Fire Speaker Microphone offers advanced features and ruggedized hardware to meet the unique requirements and extreme environmental conditions experienced by firefighters. The mic provides superior audio, temperature, and environmental performance and supports the XL-200P, Unity® XG-100P, XG-75P, XG-25P, XG-15P, P7300, P5500, P5400, and P5300 Portables. The microphone operates in Immediate Danger to Life and Health (IDLH) environments and fire service applications.

HARRIS UNIQUE SOLUTION FOR USE IN EXTREME FIREFIGHTING ENVIRONMENTS

FEATURES

The microphone's large 45-mm, high-performance speaker produces extremely loud and clear audio to overcome fire scene noise.

With its customized design for firefighters, the mic is curved to direct audio up toward the user instead of out and away as with other speaker microphones.

Active noise cancellation embedded in the mic suppresses background noise and optimizes the quality of transmitted audio.

Rugged construction enables the mic to operate in severe environmental conditions. The speaker microphone meets MIL-STD-810G specifications and is IP68 rated for dust tight and immersion up to 1 meter.

ADVANCED FEATURES

The Fire Speaker Microphone delivers the advanced features requested by firefighters to enable them to operate safely and effectively.

- Programmable Dual-PTT button for protection against accidental keying
- Simple controls are sized and shaped to accommodate gloved hand use in zero-visibility situations
- Easy access to Hi/Low volume control
- Innovative top and bottom mic ports and speaker grill are engineered to drain water (patent pending)
- Emergency strobe light linked to man-down and large, easy-to-find Emergency button aid in dark, smoky conditions

- Man-down feature detects firefighter's lack of movement and transmits Emergency signals to other group members
- High-visibility yellow mic option available for easy detection

OPERATION AT EXTREME TEMPERATURES

The microphone is one of the first public safety mics to perform in the intense temperature environments described by NIST 1477. This best-in-class mic is engineered with special high-temperature materials (including the coiled cord) and design features that allow it to perform in extreme heat to provide superior communications and increased safety for firefighters.

HARRIS® TECHNOLOGY TO CONNECT, INFORM AND PROTECT™

GENERAL SPECIFICATIONS

Dimensions (Chassis) (H x W x D):
4.8 x 2.9 x 1.8 in. (122 x 74 x 46 mm)

Approximate Weight (oz): 10.5

Operating Temperature*:

–4 to +203°F (continuous) (-20 to +95°C continuous)
+212°F (100°C) for 25 minutes – Meets NIST Class I
+320°F (160°C) for 15 minutes - Meets NIST Class II
*Ranges apply to all components of the device, including the speaker microphone, the coiled cord, and the connectors

Storage Temperature:
-40 to +185°F (-40 to +85°C)

Cable: 36-inch extended coil cord, shielded

Cable Pull (lb): 20

Cable Flex (cycles): 25,000

PTT Operations: 1 million nominal

Clothing Clip: Rotates 360° with positive detents every 45°

Microphone Specifications
Type: MicroElectrical-Mechanical System (MEMS)
Frequency Range (Hz): 300 to 3,800

GENERAL SPECIFICATIONS (CONT'D)

Speaker Specifications
Type: 45 mm, High Temperature
Sound Pressure Level:
Unity XG-100P: 102 dbSPL maximum
XG-75:   104 dbSPL maximum
Frequency Range (Hz): 300 to 3,800
Impedance: 8 ohm
Power Handling (Wrms): >2

Regulatory Specifications
Meets FCC Part 15, Class B for radiated emissions

Fire Speaker Mic Options

Radio	Black	Yellow
XL-200P	XL-AE1T	12150-1000-05
Unity XG-100P	XP-AE1T	XP-AE1X
XG-75	EV-AE1U	EV-AE1W
XG-25P	DP-AE1U	DP-AE1W
XG-15P	NA	XR-AE1W
P7300	EV-AE1U	EV-AE1W
P5500	EX-AE1U	EX-AE1W
P5400	EX-AE1U	EX-AE1W
P5300	EX-AE1U	EX-AE1W

ENVIRONMENTAL SPECIFICATIONS

Standard	Parameter	Methods & Procedures
MIL-STD-810G	Low Pressure	500.5 PI, PII
	High Temperature (Storage/Op)	501.5 PI, PII/Climate A2
	Low Temperature	502.5 PI, PII/Climate C1
	Temperature Shock	503.5 PI (C)
	Fluid Contamination	504.1 P1
	Solar Radiation (240 hours)	505.5 PI/Cat. A1
	Blowing Rain	506.5 PI
	Humidity	507.5 PII
	Salt Fog	509.5 PI
	Blowing Dust	510.5 PI, PII
	Explosive Atmosphere	511.5 PI
	Sinusoidal Vibration	514.6 PI/Cat. 4, PII/Cat. 5
	Shock (Drop)	516.6 PIV
IEC60529	Dust-tight, Continuous Immersion	IP68

About Harris Corporation
Harris Corporation is a leading technology innovator that creates mission-critical solutions that connect, inform and protect the world. The company's advanced technology provides information and insight to customers operating in demanding environments from ocean to orbit and everywhere in between. Harris has approximately $8 billion in annual revenue and supports customers in 125 countries through four customer-focused business segments: Communication Systems, Space and Intelligence Systems, Electronic Systems, and Critical Networks.

Technical specifications are subject to change without notice. Product sales are subject to applicable U.S. export control laws.

Designed and assembled in the USA

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