



**Rescue &
Emergency**

EMERGENCY COMMUNICATION UNITS

MASK COMMUNICATION UNIT-ZS01



Description

The ZS01 Mask Communication Unit is a lightweight, mask-mounted communication module designed for SCBA and filtering gas masks. It enables clear voice transmission in extreme environments, providing both short-range voice amplification and long-distance intercom communication through radios or team communication systems.

Built with advanced bone-conduction technology and hearing-protection features, the ZS01 ensures reliable communication even in noise levels up to 120 dB.

The unit also supports SOS alarm activation, auxiliary lighting, and HUD connectivity, making it suitable for firefighting, rescue operations, confined-space environments, and hazardous marine or industrial applications.

Features



Bone-conduction communication
for clear voice transmission even
in 120 dB environments



Integrated loudspeaker + Hear-Through
technology for short-range and
ambient-sound awareness



Built-in SOS alarm
and auxiliary light



IP67 waterproof & Ex ia IIC T4
explosion-proof protection



360° large PTT button,
glove-friendly



Compatible with SCBA masks,
HUD systems, and walkie-talkies

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Specification

Category	Specification
Product Type	Mask-Mounted Communication Unit
Protection Level	IP67
Explosion-Proof Rating	Ex ia IIC T4
Communication Technologies	Bone-conduction voice pickup
Noise Handling	Clear calls in noise up to 120 dB
Hear-Through Function	Yes
Short-Range Audio	Loudspeaker voice amplification
Long-Range Communication	Compatible with radios / walkie-talkies (customizable interface)
Additional Features	SOS alarm, auxiliary lighting
PTT Button	Extra-large 360° rotatable design
Mask Compatibility	SCBA masks & filtering gas masks
System Compatibility	SCBA backfield monitoring system, HUD

