

A black communication device, possibly a headset or intercom, is shown lying on a gravel surface. The device has a circular microphone grille on top, a small orange button on the front, and a coiled black cable extending from the top. A grey cable with a black earpiece is also connected to the device. The background is a light-colored gravel surface.

Situational Awareness & Hearing Protection

TITAN
COMMUNICATION SYSTEMS

TITAN In-Ear Microphone Headset with Ambient Microphones

Situational Awareness and Hearing Protection

The Titan In-Ear Microphone Headset With Situational Awareness

The TITAN Tactical Headset with Ambient Mics is a communication device specially designed for users needing hearing protection, while maintaining situational awareness.

The ambient microphones ensure that the users' ears are protected from high noises, while ensuring situational awareness at all times.

The patented In-Ear Microphone captures speech patterns in the ear canal to deliver clear sound even when you are whispering.

The headset connects to Titan MM50-TAC Speaker Mic.



INCLUDING



Comes with 2 different sizes of Comply Foam ear tips (Small & Medium)

Technical data

Microphone

Mic Max SPL	116dB SPL
Output impedance	2.2kΩ
Environment	
MIL STD	MIL-STD-810
Operating temperature	-20 to +60 degrees C
Storage temperature	-30 to +70 degrees C

Speaker

DC Resistance	DC Resistance: 25Ω ± 10%
Impedance	@ 500Hz: 36.5Ω ± 15% ; @ 1 kHz: 55.5Ω ± 15%
Ear Tips Passive NRR	31 – 33 dB, ANSI S12.6-2008, Method A
Situational awareness	External Mics with adjustable volume levels
Impulse Noise Compression	Above 85dB
Power	Powered from radio via MM50-TAC

TITAN In-Ear Microphone Headset with Ambient Microphones

Situational Awareness and Hearing Protection



Left Ear - Including in-ear microphone

LEFT SIDE EARPIECE

The IE2-TAC Left Side Earpiece is where the in-ear microphone for transmitting is placed. This means that if you take out the left side earpiece, while the IE2-TAC is connected to the MM50-TAC, you will not be able to transmit.

When transmitting through the IE2-TAC, the situational awareness on the left side earpiece will be off. As soon as transmission is over, the situational awareness is back on.

RIGHT SIDE EARPIECE

The right side earpiece offers situational awareness and also has a high-performance Knowles speaker, which provides crystal clear audio from receiving radio calls.

The impulse noise compression ensures that noise above 85dB will be compressed. Please be aware that sounds at high noise levels are conducted through your head into your ear, so these will be detected at very high ambient levels also.



Right Ear



In-Ear Voice Capture Hearing Protection Situational Awareness

TITAN
COMMUNICATION SYSTEMS

TITAN Remote Speaker Microphone

MM50-TAC

THE TITAN REMOTE SPEAKER MICROPHONE

The MM50-TAC is a state-of-the-art high-tech Remote Speaker Microphone. The MM50-TAC can work independently as a RSM, but even better with the IE2-TAC, where situational awareness and hearing protection comes into play.



Volume +/- buttons and loudspeaker on/off switch when headset connected.



Side PTT
3.5 mm audio jack for earphone accessories



Part number:
MM50

Technical data

Microphone	Omni directional	Environmental specifications	
Sensitivity	- 42dB +/- 3Db	Operating temperature	-25° C to +60° C
Speaker	36mm Ø Dynamic	Storage temperature	-40° C to +85° C
Output power	1W Max 1,5W	Mechanical specifications	
Output level	91dB +/- 3dB	Cable flex life	50,000 cycles
Frequency range	580Hz ~ 5KHz	Cable pull strength	Axial 13 kgs
Weight	185g (without cable)	PTT switch life	100,000 cycles
Protection rating	IP67	Cable Flame Retardant	UL94.V0

TITAN Remote Speaker Microphone

MM50-TAC

