

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		Speaker	
Mic Max SPL	116dB SPL	DC Resistance	DC Resistance: 25Ω ± 10%
Output impedance	2.2kΩ	Impedance	@ 500Hz: 36.5Ω ± 15% ; @ 1 kHz: 55.5Ω ± 15%
Environment		Ear Tips Passive NRR	31 – 33 dB, ANSI S12.6-2008, Method A
MIL STD	MIL-STD-810	Situational awareness	External Mics with adjustable volume levels
Operating temperature	-20 to +60 degrees C	Impulse Noise Compression	Above 85dB
Storage temperature	-30 to +70 degrees C	Power	Powered from radio via MM50-TAC

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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.



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.





In-Ear Voice Capture Hearing Protection Situational Awareness

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TITAN Remote Speaker Microphone & Control Box 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-TAC

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

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TITAN Remote Speaker Microphone & Control Box MM50-TAC



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Customized audio solutions for critical communications: Titan Communication Systems has its head office in Copenhagen, Denmark. Here a dedicated staff design and develop high quality audio solutions for first responders. Further, Titan Communication Systems has a strategic partnership with Comufrance, Paris, France, where many products are being designed, engineered and assembled, including hands-on quality control throughout the production process.