

TITAN
COMMUNICATION SYSTEMS

The Reliable Choice

Motorcycle Audio Systems

For Portable Radios



TITAN Motorcycle Audio Solutions

With Wireless Handlebar PTT

TITAN MOTORCYCLE SYSTEM OVERVIEW



TITAN Remote Speaker Microphone MMW20

THE TITAN REMOTE SPEAKER MICROPHONE MMW20

is the ideal solution when hands-free communication is needed. The MMW20 provides a versatile accessory solution with front and side PTT, nexus jack, 3.5mm jack, volume control, and loudspeaker mute function. With the built-in wireless module you can pair a wireless PTT to the MMW20 enabling hands-free communication.



*Volume control +/-
in speaker Mic only
and microphone mute or
loudspeaker mute (optional)*



*Side PTT
3.5 mm audio jack for
earphone accessories*



*Part number:
MMW20*

Technical data

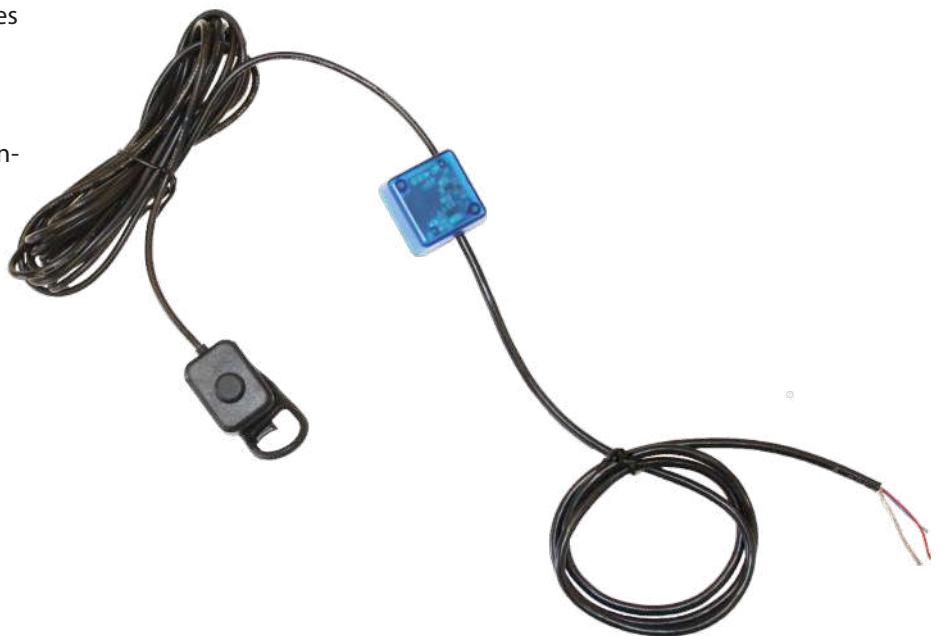
Microphone	Omni directional	Environmental specifications
Sensitivity	-36dB +/- 3dB	Operating temperature -25° C to +60° C
Speaker	40mm Ø Dynamic	Storage temperature -40° C to +85° C
Output power	1W Max 2W	Mechanical specifications
Output level	92dB +/- 3dB	Cable flex life 50,000 cycles
Frequency range	680Hz ~ 20KHz	Cable pull strength Axial 13 kgs
Module	Aircrypt Low Energy Module	PTT switch life 100,000 cycles
Module Frequency	2.4 GHz	Protection rating IP67

TITAN Wireless PTT Box with Handlebar PTT

Powered by motorcycle battery

TITAN MOTORCYCLE PTT

Our state of the art motorcycle PTT system enables the professional motorcycle riders to communicate while riding their motorcycle without taking their hands off the handlebar. This ensures safety for the rider who can focus on the road while communicating. Our motorcycle system consists of a handlebar PTT, a small box containing the wireless module, which is connected to the MMW20 speaker mic, and lastly a wired connection to the motorcycle's battery ensuring no latency when pressing the handlebar PTT



The wireless PTT box comes in a light blue see through box and contains the wireless Aircrypt module and has a LED indicator for pairing purposes.



The motorcycle PTT system has 3 wires, red, white, and blue. The red wire should go to VCC (battery +). The white wire is ground (battery -). The blue wire is PTT and shall hang free.

Part number:
WPTT-BOX-HDLB-RS

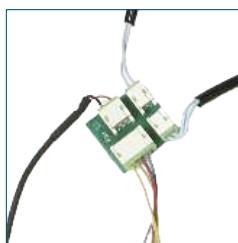
Technical data

Module specifications		Environmental specifications	
Module	Aircrypt Low Energy	Storage temperature	- 25 °C to + 70 °C
Module Frequency	2.4 GHz	Operating temperature	- 25 °C to + 60 °C
Module Electrical input	12V	Mechanical specifications	
		PTT Switch Life	100.000 cycles

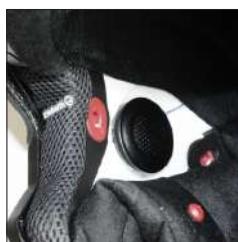
TITAN Motorcycle Helmet System

TITAN MOTORCYCLE HELMET SYSTEM

Titan has developed a communication system for professional users, where the user can enjoy clear communication while driving up to 180 km/h on their motorcycle.



The electronic components have been integrated inside the helmet in a way to not diminish the comfort of the helmet.



Titan offer a variety of speakers options depending on the user's needs. Our speakers offer great performance.



We use a special ultra noise cancelling IP67 waterproof electret boom microphone for all our motokits to ensure the best performance, even at high speeds, always.



Technical data

Microphone						Titan PRO Speakers		Titan Standard Speakers			
Microphone capsule:	Electret condenser	Nominal Impedance		28 Ω +/- 10% @1KHz	Nominal Impedance		32Ω +/- 15% @1KHz				
Polar response:	Noise canceling	Output S.P.L.		127dB +/-3dB @1KHz	Output S.P.L.		110dB +/- 3dB @1KHz				
Sensitivity (nominal) :	- 34 dB re 1V/Pa or 20 mV/Pa (measured with 5 Vdc, 10kOhm	Power	Rated Input Power: 20mW	Power	Rated Input Power: 5mW		Max Input Power: 40mW	Max Input Power: 10mW			
			Max Input Power: 40mW								
Frequency response:	200 Hz to 10 kHz	Temperature	-25°C to +60°C	Temperature	-20°C to +50°C						
Mic impedance:	2 kohm to 5 kohm	Accepted Humidity	≤ 93 %	Accepted Humidity	≤ 93 %						
Bias range:	2 V to 9 V	Distortion	Less than 3% @ 1KHz		Distortion	Less than 10% @ 1KHz					
Water protection :	Waterproof IP67										