

**TITAN**  
COMMUNICATION SYSTEMS

# The Reliable Choice

*Motorcycle Audio Systems*

*For Portable Radios*



## TITAN Motorcycle Audio Solutions With Wireless Handlebar PTT

### TITAN MOTORCYCLE SYSTEM OVERVIEW



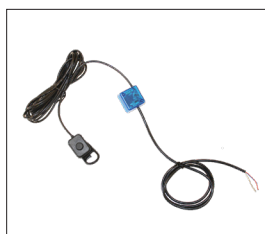
Motorcycle helmet



Helmet Audio Kit



MMW20 Speaker  
Mic with wireless  
PTT module



Wireless PTT-Box supplied  
with power from  
motorcycle battery



Portable two-way  
radio

## TITAN Remote Speaker Microphone MMW20

### With Built-in Wireless PTT Module

#### 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.



Part number:  
MMW20



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



*Side PTT*

*3.5 mm audio jack for  
earphone accessories*

#### 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, which easily can be installed onto the handlebar, 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.*

### TITAN MOTORCYCLE PTT SYSTEM

Part number:  
WPTT-BOX-HDLB-RS

## Technical data

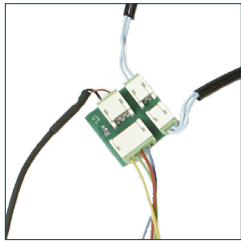
Module specifications		Environmental specifications	
Module	Aircrypt Low Energy	Storage temperature	- 25 °C to + 70 °C
Module Frequency	2.4 GHz	Operating temperature	- 25 °C to + 60 °C
Module Electrical input	12V	Mechanical specifications	
		PTT Switch Life	100.000 cycles



## 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 and comfort.*



*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.*



### TITAN HELMET AUDIO MOTOKIT

Part number: MK

### Technical data

Microphone		Titan PRO Speakers		Titan Standard Speakers	
Microphone capsule:	Electret condenser	Nominal sound pressure level:	79 dB (rel. 20 µPa ) 1 W, 1kHz, 1 m	Speaker Impedance	32Ω +/- 15% at 1KHz
Polar response:	Noise canceling	Electro dynamic transducer	IP 30	Speaker S.P.L.	83 dB +/- 3dB
Sensitivity (nominal) :	- 34 dB re 1V/Pa or 20 mV/Pa ( measured with 5 Vdc, 10kOhm	Temperature range (operation):	- 40 °C to + 70 °C	Distortion	Less than 5% at 1 KHz
Frequency response:	200 Hz to 10 kHz	Acceptable humidity:	≤ 93 %	Power	Nor. : 0,1 W
Mic impedance:	2 kohm to 5 kohm	DC resistance:	15 Ω - 100 Ω - 200		Max. : 0,2 W
Bias range:	2 V to 9 V	Nominal power handling capability:	0,5 W ( max. 1 W )	Resonant Frequency	790 Hz +/- 20% at 1.0V
Water protection :	Waterproof IP67				

## TITAN Motorcycle Helmet System

### Motokit

#### TITAN MOTOKIT

We have developed a full range of motorcycle helmet audio kits, for the most used helmets. We are specialised in installing any of these helmets with the audio kit. It is also possible to purchase the audio kits for own installation.

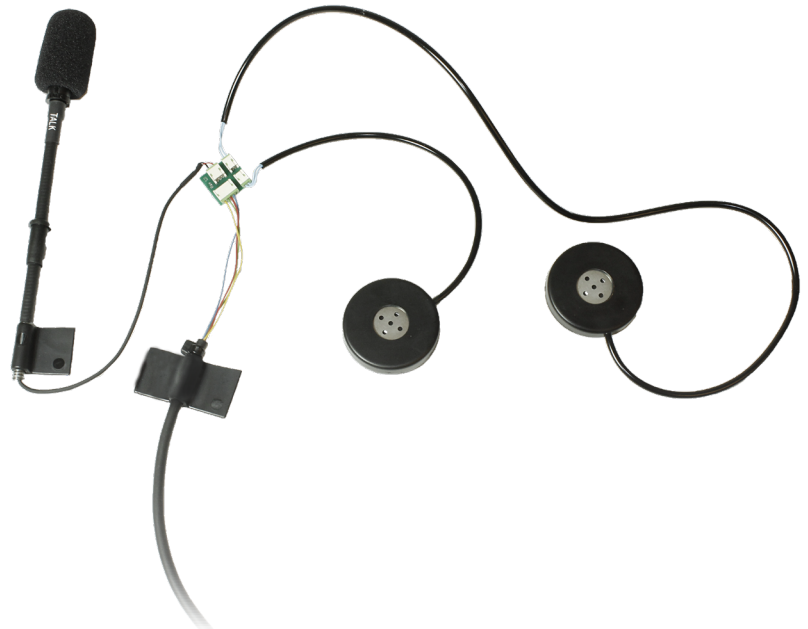
#### EFFICIENCY

The communication equipments will allow clear communications:

- For city Police up to a speed of 110 km/h
- For road Police up to a speed of 180 km/h

#### MAINTENANCE

All components (microphone – speakers – connecting cable) are assembled with miniature plugs for maintenance without any tool.



The Titan Motokit works with these Police motorcycle helmets:

SHOEI Helmet

Nolan Helmet

NOLAN N100-5	●
NOLAN N104 EVO/Absolute	●
NOLAN N 104	●
NOLAN N43 / N 43AIR	●
BMW SYSTEM 4	●
BMW SYSTEM 5	●
BMW SYSTEM 6	●
SCHUBERTH C3 / C3PRO	●
SHOEI MULTITEC	●
SHOEI NEOTEC I/II	●
SHOEI J-CRUISE	●



\* If you want to install the kits by yourself, the best is to indicate the type of the helmet on the purchase order.