



# PRO VHF WIRELESS MICROPHONE SYSTEM

WR-PRO - WM-PRO - WM/T-PRO - EX-503 - EX-413

## *INSTRUCTION MANUAL*



### NOTES

- Do not store or use the unit in high heat or humidity.
- Do not use near a broadcast station, airport or plane . You must change the frequencies if you are interfering with other transmitters.
- The system will work continuously for 10 hours on one set of batteries. If sound quality is poor, change batteries.
- Remove batteries when the system is not in use.

Thank you for purchasing the AZDEN PRO VHF Wireless Microphone System. The following will show you the contents of the system you ordered:

### **WHX-PRO**

- 1 x WR-PRO VHF Receiver
- 1 x WM/T-PRO VHF Transmitter/Handheld Microphone

### **WLX-PRO**

- 1 x WR-PRO VHF Receiver
- 1 x WM-PRO VHF Belt-Pack Transmitter
- 1 x EX-503 Lavalier Microphone

### **WMS-PRO**

- 1 x WR-PRO VHF Receiver
- 1 x WM-PRO VHF Belt-Pack Transmitter
- 1 x EX-413 Wired Handheld Microphone

The PRO systems operate in the low-interference VHF band and have 2 switchable frequencies, 169.445 (F1) and 170.245 (F2). You should select the quieter frequency for use.

The systems conform to Part 90 of the FCC rules. You should contact the FCC office for filing forms.

### **WR-PRO RECEIVER**

#### **1. Loading Battery**

Open the battery compartment lid by sliding it down and raising the lid. Insert a 9-volt battery into the battery compartment with the correct polarity. Directions are on the inside of the battery compartment. Do not force the battery compartment lid to close. If it does not close easily, turn the battery around and try again.

#### **2. Power/Frequency Selector Switch**

This slide switch is used to turn the unit on and off as well as to select a frequency. When not using the WR-PRO, make sure that the switch is turned to OFF.

### 3. Signal Indicator

This LED has 2 functions: When you first turn the Power/Frequency Selector Switch of the Receiver on, but if the Transmitter is not on, the LED will go on and off indicating that the battery is good. If both the Transmitter and the Receiver are on and they are on the same frequency, the Signal Indicator will remain on.

### 4. Shoe Mount

The Receiver comes with a shoe mount and loop-and-hook fastener to mount it to a video camera. Select the one works best for your setup. To install the shoe mount, align the three pegs to corresponding holes and slide the whole assembly upward until it clicks. To remove the shoe mount, slide the assembly downward.

### 5. Output Plug

Connect the plug from the Receiver into the camera's "EXT. MIC" jack.

### 6. Telescopic Antenna

Fully extend the antenna for the best reception.

### 7. Earphone Jack

Plug the supplied earphone into the jack to monitor the sound you are recording.

## **WM/T-PRO TRANSMITTER/MICROPHONE**

### 1. Loading battery

Turn the bottom half of the microphone body counterclockwise until it is completely off. Insert 1 "AA" battery into the compartment. Make sure the polarity is correct or the unit will not operate. Replace the bottom half and turn it clockwise until it is snug. DO NOT OVERTIGHTEN.

### 2. Frequency Selection

The unit is factory pre-set to F1. Make sure that the Receiver is also set to F1. To change to F2, remove the bottom half of the microphone body as you did when loading battery. On the top of the battery compartment, there is a small 2-position switch. Slide the switch to position F2. Change the Receiver frequency to F2.

### 3. 3-Position Power Switch

The bottom position is "OFF", the top is "ON", and the middle is "STANDBY". In the "STANDBY" position, the unit is on but the microphone is muted. This allows the microphone to be passed around noiselessly. Remember to set the mic to its "ON" position before speaking. When the switch in "ON" or "STANDBY", the red LED will stay lit if the Receiver is also operating on the same frequency.

## WM-PRO TRANSMITTER

### 1. Loading Battery

Insert 1 9-volt battery into the battery compartment. Be careful not to force the battery compartment lid closed.

### 2. Microphone

Plug the EX-503 (lavalier mic) or EX-413 (handheld mic) into the mic jack. Extend the cord as much as possible since it doubles as the transmitter's antenna.

### 3. Power/Frequency Selector Switch

This switch is used to turn the unit on and off as well as to select a frequency.

### 4. Mounting

The Transmitter can be attached to a belt using the clip provided or placed in a pocket.

## SPECIFICATIONS

### WM-PRO & WM/T-PRO TRANSMITTERS

TRANSMISSION FREQUENCY: F1—169.445MHz  
F2—170.245MHz  
MODULATION SYSTEM: FM modulation  
BATTERY: 9V x 1 (WM) / 1.5V (AA) x 1 (WM/T)  
POWER CONSUMPTION: 30mA (WM)  
100mA (WM/T)  
DIMENSIONS: 86(h) x 60(w) x 21.5(d)mm (WM)  
φ 62 x 221mm (WM/T)  
WEIGHT (including battery):  
98g (WM) / 170g (WM/T)  
MICROPHONE:

### WR-PRO RECEIVER

RECEPTION FREQUENCY: F1—169.445MHz  
F2—170.245MHz  
Double Superheterodyne System  
RECEPTION SENSITIVITY: 2μV at S/N40dB  
BATTERY: 9V x 1 (not included)  
POWER CONSUMPTION: 25mA  
MONITOR OUTPUT: Voltage: 1V  
(Load: 30Ω, Modfreq: 1KHz, Dev: ±7KHz)  
MICROPHONE OUTPUT: Voltage: 8mV  
(Load: 10KΩ, Modfreq: 1KHz, Dev: ±7KHz,  
Impedance: 300Ω)  
DIMENSIONS: 86(h) X 60(w) X 21.5(d)mm



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