



## WMS-PRO WIRELESS MICROPHONE SYSTEM INSTRUCTION MANUAL

Thank you for purchasing the AZDEN WMS-PRO WIRELESS MICROPHONE SYSTEM.

The WMS-PRO consists of: the WM-PRO transmitter, WR-PRO receiver, EX-503 clip-on electret microphone, and EX-413 handheld microphone. Read this instruction manual carefully for correct use and retain it for future reference.

The WMS-PRO operates in the low-interference VHF band and has 2 switchable frequencies: (F1) 169.445 and (F2) 170.245. You should select the quieter frequency for use.

This system conforms to part 90 of FCC rules and you should contact the FCC office for filing forms.

### WR-PRO RECEIVER SET-UP:

(1) **LOADING THE BATTERY:** (see diagram)

Insert one (1) 9-volt battery into the Receiver, **BEING CAREFUL NOT TO FORCE THE BATTERY COMPARTMENT CLOSED.** If it doesn't close easily, take the battery out and turn it around.

(2) **POWER/FREQUENCY SELECTOR SWITCH:**

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

(3) **SIGNAL INDICATOR:**

The LED Signal indicator has two functions: When the receiver is turned on to F1 or F2, and if the transmitter is not on, the signal indicator LED will turn RED, indicating that the battery is good. When the receiver and transmitter are both turned on to the same frequency, the receiver signal indicator LED will turn Green, indicating the receiver is receiving a signal from the transmitter.

(4) **SHOE MOUNT:**

The Receiver comes with an attached shoe mount for mounting to a video camera. You can also attach the Receiver with the enclosed velcro. The shoe mount can be easily removed from the Receiver by unscrewing the philips head screw in the center of the shoe mount.

(5) **OUTPUT PLUG:**

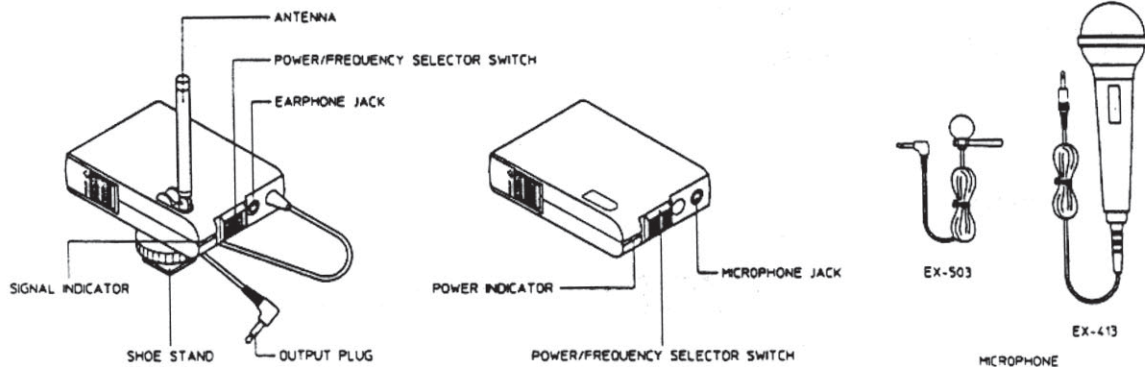
Connect the plug from the Receiver into the camera's "Ext.mic jack".

(6) **TELESCOPIC ANTENNA:**

Fully extend the antenna for the best reception.

(7) **EARPHONE JACK:**

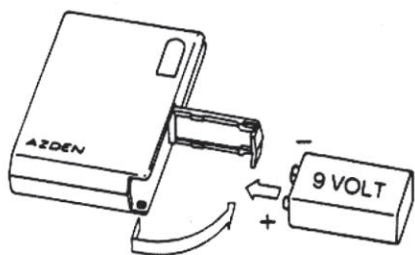
Plug the supplied earphone into the jack to monitor the sound you are recording. Or, you can plug the earphone into the camera's earphone jack if it has one.



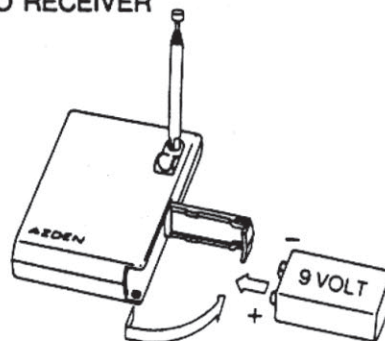
## LOADING BATTERY:

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 left of the battery compartment.

### WM-PRO TRANSMITTER



### WR-PRO RECEIVER



## WM-PRO TRANSMITTER SET-UP:

- LOADING THE BATTERY:** (see diagram)  
Insert One (1) 9 volt battery into the Transmitter **BEING CAREFUL NOT TO FORCE THE BATTERY COMPARTMENT CLOSED**. If it doesn't close easily, take the battery out and turn it around.
- MICROPHONE SELECTION:**  
Plug either the EX-503 (lapel 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.
- POWER/FREQUENCY SWITCH:**  
This slide switch is used to turn the system on and off and to select a frequency. Turn on the WM-PRO to F1, the LED will light up indicating that the battery is good and the Transmitter is functioning properly. If you find reception to be noisy on F1, change position of switch to F2. Make sure that the Receiver is on the same frequency as the Transmitter.
- MOUNTING:**  
The Transmitter can be attached to a belt using the clip provided or placed in a pocket.

## NOTES:

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

## SPECIFICATIONS:

### TRANSMITTER

Transmission frequency: F1: 169.445MHz  
F2: 170.245MHz  
Modulation system: FM modulation  
Modulation sensitivity: 94dB SPL  
at  $\pm 2.5$ KHz Dev  
Battery: One 9V  
(Not included)  
Power consumption: 30mA  
Dimensions: 86(h) $\times$ 60(W) $\times$ 21.5(d)mm  
Weight: 98g  
(including battery)  
Microphone: Electret condenser  
EX-503 and EX-413

### RECEIVER

Reception frequency: F1:169.445MHz  
F2:170.245MHz  
Double superheterodyne system  
Reception sensitivity:  $2\mu$ V at S/N40dB  
Battery: One 9V  
(Not included)  
Power consumption: 25mA  
Monitor output: Voltage: 1V  
(Load: 30 $\Omega$ , Modfreq: 1KHz, Dev;  $\pm 7$ KHz)  
Microphone output: Voltage: 8mV  
(Load: 10K $\Omega$ , Modfreq: 1KHz, Dev;  $\pm 7$ KHz)  
Impedance: 300 $\Omega$   
Dimensions: 86(h) $\times$ 60(w) $\times$ 21.5(d)mm  
Weight: 128g  
(including battery)  
Supplied accessories: Earphone (1)  
Velcro (1)

Design and specifications subject to change without notice.

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