



WHX-PRO WIRELESS MICROPHONE SYSTEM INSTRUCTION MANUAL

Thank you for purchasing the AZDEN WHX-PRO WIRELESS MICROPHONE SYSTEM. The WHX-PRO consists of the WM/T-PRO Transmitter, and the WR-PRO Receiver. Before using the system please read this instruction manual carefully, and retain it for future reference.

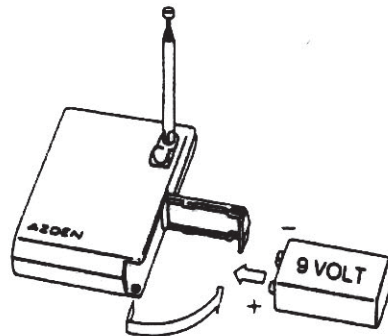
The WHX-PRO operates in the low-interference VHF band and has 2 switchable frequencies: (F1) 169.445, and (F2) 170.245. You should select the quieter frequency for use.

This system conforms to Part 90 of the 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 WHX-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, and if the Transmitter is not on, the LED will go on and off, indicating that the battery is good. If the Transmitter is turned on and the Receiver is turned on, and they are on the same frequency, the Signal Indicator LED will remain on. If the LED is not functioning properly, check your batteries.
- (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 (6F22, S-006P) battery into the battery compartment with the correct polarity. Directions are on the inside left of the battery compartment.

WM/T-PRO TRANSMITTER SET-UP:

- (1) **LOADING THE BATTERY:** (see diagram)
Turn the bottom half of the microphone case counter-clockwise until it is completely off. Insert one (1) AA battery into the compartment. Please make sure the polarity is correct or the unit will not operate. Replace the bottom half of the microphone case and turn it clockwise until it is snug. DO NOT OVERTIGHTEN.

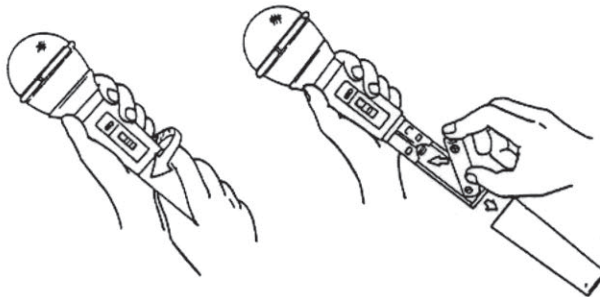
(2) FREQUENCY SELECTION : (see diagram)

The WM/T-PRO is factory pre-set to F1. When turning the system on, make sure that the Receiver is also set to F1. To change to F2, remove the bottom half of the microphone case as you did when loading the battery. On the back of the microphone there is a small 2-position switch. Slide the switch to position F2. Replace the bottom half of the microphone case and turn it clockwise until it is snug. DO NOT OVERTIGHTEN. Make sure that you also change the Receiver frequency to F2.

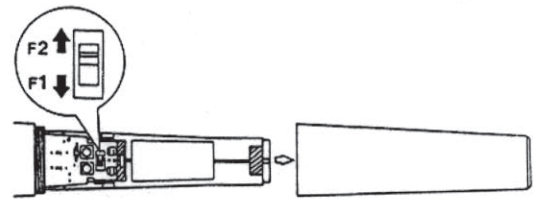
(3) 3 POSITION POWER SWITCH :

The bottom position is "Off", the top position is "On", and the middle is "Standby". In the "Standby" position the unit is on, but the microphone element is muted. This allows the microphone to be passed around noiselessly. Remember to set the mic to it's "On" position before speaking. When the slide switch is in the "On" or "Standby" positions the red LED will stay lit, if the Receiver is also operating and on the same frequency.

Loading Battery



Frequency Set-up



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 3.5KHz Dev
Battery : One 1.5V (AA)
(Not included)
Power consumption : 100mA
Dimensions : $\phi 62 \times 221$ mm
Weight : 170g (including battery)
Microphone : Unidirectional Dynamic

RECEIVER

Reception frequency : F1 ; 169.445MHz
F2 ; 170.245MHz
Double superheterodyne system
Reception sensitivity : $2 \mu V$ at S/N40db
Battery : One 9V (6F22, S-006P)
(Not included)
Power consumption : 25mA
Monitor output : Voltage ; 1V
(Load ; 30 Ω , Modfreq ; 1KHz, Dev ; ± 7 KHz)
Microphone output : Voltage ; 8mV
(Load ; 10K Ω , Modfreq ; 1KHz, Dev ; ± 7 KHz)
Impedance ; 300 Ω
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.

AZDEN CORPORATION

1 - 12 - 17, KAMIRENJAKU, MITAKA
TOKYO, 181 JAPAN

AZDEN CORPORATION

147 NEW HYDE PARK ROAD
FRANKLIN SQUARE, NY 11010
TEL 516 - 328 - 7500