

# AHUJA<sup>®</sup>

## AWM-490V1

### PROFESSIONAL PA

### WIRELESS MICROPHONE



AHUJA introduces AWM-490V1 as an affordable high performance VHF Wireless Microphone System. It consists of a single wireless microphone and a highly sensitive VHF receiver. This ensures an effective long distance coverage of more than 150 feet, under ideal working conditions. Ideal for usage in a wide variety of PA applications.

#### Features

- Compact, lightweight, single channel VHF Wireless Microphone System.
- Operates on Quartz Crystal Locked VHF High Band frequency and available in 8 different frequencies.
- Internal antenna in the Microphone and a telescopic antenna in the Receiver for clear and distortion free reception.
- Receiver operates on 9V DC through an AC Adaptor, supplied along with the system. Microphone operates with a 9V Battery, supplied alongwith.
- Microphone with 3-position slide switch for 'Audio On' - 'Audio Mute' - 'Off' positions.
- Green LED for signal indication on receiver.
- Audio output from receiver available at OUT jack socket.



## Specifications

### Microphone

RF Output Power	15mW (Max.)
RF Carrier Frequencies	Available in eight different VHF High Band frequencies of 202.3MHz, 202.9MHz 203.6MHz, 204.4MHz, 222.0MHz, 222.4MHz, 224.0MHz and 226.2MHz
Modulation Mode	FM(F3E)
Microphone Element	Dynamic, cardioid
Dynamic Range	100dB
Spurious Emission	< 45dB
Maximum Deviation	±25kHz
Frequency Response	50-15,000Hz
Antenna Type	Internal dipole
Current Consumption	< 60mA
Battery Life	6-8 hrs. with 9V battery
Controls	Microphone On/Mute/Off Switch
Indication	Green LED for indicating microphone is ON
Dimensions	ø52 (L242) mm
Weight	0.20kg approx. (w/o battery)

### Receiver

RF Carrier Frequencies	Available in eight different VHF High Band frequencies of 202.3MHz, 202.9MHz 203.6MHz, 204.4MHz, 222.0MHz, 222.4MHz, 224.0MHz and 226.2MHz
Frequency Stability	± 0.005% Quartz Crystal Controlled
Receiving Method	Non-diversity
Audio Output	0-55mV / 1kΩ
S/N Ratio	≥ 100dB
Distortion	≤ 0.5%
Frequency Response	50-15,000Hz
Maximum Deviation	± 25kHz
Antenna	Telescopic
Power Requirement	240V AC 50Hz for AC adaptor (supplied alongwith)
Controls	Power On / Off Switch, Output Volume Control
Indications	Red LED for Power ON, Green LED for RF reception
Dimensions	W210 x H42 x D152 mm
Weight	0.61kg approx.

### Accessories

1 × Connection Cable, 1 × AC Adaptor, 1 × 9V Battery

#### Licensing Information:

**IMPORTANT:** Licensing of Ahuja wireless microphone system is the user's responsibility and licensability depends on the user's classification and application, and on the selected frequency. Ahuja strongly urges the user to contact the appropriate telecommunications authority concerning proper licensing, and before choosing and ordering frequencies.

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## AHUJA RADIOS

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