

# MWHHM

## *UHF 100 Frequency Wireless Handheld Microphone*



### Features

- Multi-function LCD display for channel / frequency, battery level indicator, Alkaline / NiMH battery selection
- Patented technology for 2-way data transfer between transmitter and receiver
- Hidden antenna
- Detachable microphone capsule design
- Rugged metal housing design
- Requires 2 AA batteries to operate
- Up to 16 hours operating time
- Matching battery charger: MWCHGR

### Applications

- Classrooms
- Conference Rooms
- Lecture Halls
- Live Presentation

### General Description

The AtlasIED MWHHM wireless handheld microphone is the ideal choice for a variety of applications ranging from classrooms and conference rooms to lecture halls and live presentations. The MWHHM features a dynamic/condenser type microphone element in a sturdy enclosure that is lightweight and ergonomically designed for comfort. The unit is powered by either standard AA batteries or with NiMH rechargeable batteries (sold separately) allowing for up to 16 hours of usage. The unit operates on the UHF band and syncs to the wireless receiver, AtlasIED model MWRCVR, for connection to local amplification. The integrated LCD displays critical information regarding channel, frequency, and battery level. An optional charger is available when used with NiMH rechargeable batteries, AtlasIED model MWCHGR.

System	
Frequency Range	UHF 500 - 900MHz
Switching Bandwidth	25MHz
Switchable Frequency	100
2-way Synchronization	Yes
RF Power Output	< 10mW
Spurious Emission	> 60 dB Below Carrier
Dynamic Range	> 110 dB
Display Screen	LCD
T.H.D.	< 0.5%
Peak Deviation	±40KHz
Antenna	Built In
Battery Type	AA, Qty 2
Operating Life (Alkaline)	16 Hours
Charging Function	Yes
Battery Charger	MWCHGR
Microphone Capsule	Dynamic / Condenser Type
Mechanicals	
Dimensions	ø2.09" x 10.08" (ø53mm x 256mm)
Weight	0.66 lbs / 0.289 kg

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## Architect and Engineer Specifications

The Product shall be a hand held wireless microphone, Model Number MWHHM, operating in the UHF Band between 500-900MHz bands. The product shall allow selection of 100 operating frequencies across 25MHz of switching bandwidth, avoiding RF interference. Transmission range shall 100m line of sight.

Synchronization between the microphone transmitter and MWRCVR Receiver shall be via infrared beam technology. A multi-function LCD display shall clearly indicate channel / frequency, battery level and Alkaline / NiMH battery selection.

MWHHM shall operate on 2 AA batteries, either Alkaline or rechargeable NiMH. Operating life on Alkaline will be 16 hours.

RF Power output shall be <10mW, with spurious emission >60dB below the Carrier Frequency. Dynamic range shall be >110dB. THD shall be <.5%.

Microphone element shall be dynamic in nature. An optional battery charger shall be MWCHGR.