

# MWBPT

## UHF 100 Frequency Wireless Belt Pack Transmitter



### Features

- Multi-function LCD display for channel / frequency, sensitivity, battery status indicator, Alkaline / NiMH battery selection
- Patented technology for 2-way data transfer between transmitter and receiver
- 100 frequencies available through the 25MHz signal band
- 35 mW maximum transmission power
- Supports multiple microphone types as well as 1/4 cable connection
- Power-On LED
- Requires 2 AA batteries to operate
- Low current consumption
- Up to 16 hours operating time
- Standard 4-pin mini XLR connector
- 1/4 wave whip antenna
- High and low impedance gain controls
- Detachable belt-clip
- Matching battery charger: MWCHGR

### Applications

- Classrooms
- Conference Rooms
- Lecture Halls
- Live Presentation

### General Description

The AtlasIED MWBPT wireless belt pack transmitter is the ideal choice for a variety of applications ranging from classrooms and conference rooms to lecture halls and live presentations. The MWBPT works with either the MWOEM headset microphone or MWLM lavalier microphone. High and low impedance gain adjustments are included to ensure optimal pickup for a variety of applications. 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.

System	
Frequency Range	UHF 500 - 900MHz
Switching Bandwidth	25MHz
Switchable Frequency	100
2-way Synchronization	Yes
RF Power Output	< 35mW
Spurious Emission	> 60 dB Below Carrier
Dynamic Range	> 110 dB
Display Screen	LCD
T.H.D.	< 0.5%
Peak Deviation	±40KHz
Antenna	¼ Wave, Whip Antenna
Battery Type	AA, Qty 2
Operating Life (Alkaline)	16 Hours
Charging Function	Yes
Battery Charger	MWCHGR
Connector	4-pin Mini-XLR Type
Microphone Input	Lavalier / Headset Microphone
Mechanicals	
Dimensions	3.31" L x 2.52" W x 0.91" H (84mm x 64mm x 23mm)
Weight (Battery Excluded)	0.17 lbs / 0.076 kg

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## Architect and Engineer Specifications

The Product shall be a wireless belt pack transmitter, Model Number MWBPT, 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 be 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.

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

RF Power output shall be <35mW, with spurious emission >60dB below the Carrier Frequency. Dynamic range shall be >110dB. THD shall be <.5%.

Available microphone options shall be MWOEM headset microphone or MWLM Lavalier. Additionally, a 1/4" input with High / Low impedance selector shall be included.

An optional battery charger shall be MWCHGR.