

MWRCVR

Wireless Receiver



Features

- Multi-function LCD display for channel / frequency, volume level, and signal strength
- Patented technology for 2-way data transfer between transmitter and receiver
- 100 frequencies available through the 20MHz signal band
- Dual antennas reduce distortion
- IR sensor for connection to wireless microphone
- Selectable mic or line outputR

Applications

- Classrooms
- Conference Rooms
- Lecture Halls
- Live Presentation

General Description

The Atlas IED MWRCVR wireless receiver is the ideal choice for a variety of applications ranging from classrooms and conference rooms to lecture halls and live presentations. Designed to work in conjunction with either the MWHHM wireless handheld microphone or the MWBTP wireless belt pack microphone, the MWRCVR allows for great flexibility in sound reinforcement applications. With the ability to connect to a variety of devices via the included balanced XLR or unbalanced line output the MWRCVR can be used with a variety of amplifiers or mixers to address the needs of any installation. Multiple units can be used in a single installation since the unit receives transmission via the UHF frequency band and pairs to individual MWHHM or MWBTP on available channels. The unit can be used as a standalone piece on a shelf or desk or it can be rack mounted by itself or with a second MWRCVR using the rack mount kit, model MWRMK (sold separately).

System	
Frequency Range	UHF
UHF Operating Frequencies	566 - 585.8MHz
Switching Bandwidth	20MHz
Switchable Frequencies	100
Channels	1
Display Screen	LCD
Operating Range	100m Direct Sight
Output Impedance	Mic / Line
Oscillation Type	PLL Synthesized
Frequency Stability	±0.005%
Receiving Method	True Diversity
Sensitivity	-95dBm
Synchronization	2-Way
Image Rejection	> 85dB
S/N Ratio	> 110dB
Peak (Maximum) Deviation	±40KHz
T.H.D.	< 0.5%
Antenna Socket	BNC type
Audio Outputs	Line (Unbalanced): +4dBm(1.25V)/5KΩ Mic (Balanced): -18dBm(50mV)/600Ω
Output Connector(s)	Line (Unbalanced): 6.35mm Jack Mic (Balanced): XLR Jack
Squelch	RF / Noise / Pilotone Squelch
Power Supply	100-240V AC, 12V DC/1.6A
Mechanicals	
Dimensions	7.87" x 5.91" x 1.73" (200mm x 150mm x 44mm)
Weight	1.39 lbs / 0.63 kg

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Architect and Engineer Specifications

The Product shall be a wireless receiver, Model Number MWRCVR, operating in the UHF Band between 566 - 585.8MHz bands. The product shall allow selection of 100 operating frequencies across 20MHz of switching bandwidth, avoiding RF interference. Product shall be compatible with MWVHM Hand Held mic and MWBPT Belt Pack transmitters. Receiver 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, volume level and signal strength.

MWBPT shall ship with a universal power supply, operating on 100-240VAC, output voltage shall be 12VDC / 1.6A.

The MHRCVR shall operate using Synthesized PLL (Phase Lock Loop) with a frequency stability of +/- .005%. Dynamic range shall be >110dB with THD at <0.5%.

True Diversity technology, dual antennas shall be employed to reduce distortion.

Audio outputs (2) shall be on 6.35mm jack at +4dBm (1.25V) with an output impedance of 5K ohms and balanced XLR male connector at -18dBm (50mV) at 600 ohms impedance.