

PEM-500 TRANSMITTER



- Rugged, all metal half-rack that can be rackmounted singly or sideby-side with optional rack kits
- Microphone input allows wireless cueing of performers on stage
- Front panel features input level control, stereo headphone monitor output jack and volume control, select button for choosing one of 16 UHF channels, LED channel display, and Left/Right 10-segment audio input level displays.
- Back panel provides BNC jack for detachable antenna, a 1/4"
 TRS balanced microphone input, and an XLR and 1/4" combo jack for Left and Right Line inputs.
- Externally powered by AC/DC power adaptor

PEM-500 RECEIVER



- Portable bodypack receiver features a switchable built-in volume limiter, output level control, and two-color (red/green) 3-way unit ON/Signal/Low Battery LED indicator.
- Operates up to 6 hours (depending on volume) on a 9V alkaline battery
- Each receiver is supplied with a pair of miniature, lightweight (yet powerful) in-ear speakers with soft rubber mounts in 3 sizes (small, medium, and large) designed for "custom" form-fitted comfort and optimum acoustic transfer and isolation.
- Rear clip can be rotated 90° for attaching receiver vertically or horizontally to clothes.

SPECIFICATIONS

Operating Frequency Range	696-865 MHz, country dependent
Modulation	Mono or stereo (MPX with pilot tone),
	FM: F3E +/- 60 KHz, nominal
Audio Frequency Response	50 ~ 12,000 Hz
T. H. D	< 1%
Signal-to-Noise Ratio	> 80 dB, with proprietary companding
	noise reduction
Operating Range	Up to 300 feet typical (depending on site conditions)

PEM-500T TRANSMITTER

PEWI-DUUT TRANSMITTER	
RF Output Power	Max. 50 mW (country dependent)
L/R Audio Line Inputs	
Input Impedance	600 ohms
Nominal Input Level	0 dBm
Max. Input Level	+6 dBm
Headphones Out Power	100 mW max. @ 32 Ω, 190 mW
	@ 16 Ω
Spurious Emission	
Frequency Stability	+/- 100 PPM
Controls	Power ON/OFF, STEREO/MONO,
	and channel select switches; input level,
	headphones monitor volume controls
Connectors	1/4" stereo headphones monitor out,
	1/4" TRS balanced mic input, balanced
	XLR L& R line input, and 2.1 mm
	barrel-type DC input jacks; BNC
	antenna socket
Indicators	Power ON LED; channel and 10-segment
44.00	L/R audio input LED displays
AIA Ph.	

Antenna	1/4 wave rigid detachable, BNC mount
Power Requirement	12-15V/500mA, AC/DC adaptor
-	supplied (UL/CSA approved 120VAC or
	CE approved 230VAC)
Dimensions	8.27" x 9.13" x 1.73" (210 x 232 x 44 mm)
Weight	2.98 lbs (1.35 Kg)

PEM-500R RECEIVER

Maximum Audio Output Level	20 mW
Minimum Audio Output	
Load Impedance	16 Ω
RF Sensitivity	2.5uV (-100 dB/12 dB SINAD)
Squelch Threshold	< -90 dB
Spurious Rejection	> 55 dBc
Audio Output Connector	3.5 mm Stereo (Tip=left, Ring=Right,
•	Sleeve=ground)
Controls	Volume adjust; limiter ON/OFF, power
	ON/OFF, STEREO/MONO select switches;
	16-position channel selector switch
Indicators	Two-color (red/green) 3-way unit
	ON/Signal/Low Battery LED
Power Requirements	9V alkaline battery
Current Drain	< 40 mA
Battery Life	Up to 6 hours, volume dependent
Antenna	Internal
Dimensions	4.2" x 0.9" x 2.6" (106 x 23 x 66 mm)
Weight	2.85 oz (80 Kg)
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