

PM-320

WIRELESS DIVERSITY IN-EAR MONITOR SYSTEM



PM-320 is a wireless monitoring system for stage performances and audio broadcasting, and a wireless listening system for large simultaneous interpretation conferences. High-fidelity sound, advanced electronic processing technology instead of the traditional complicated and heavy monitoring equipment, eliminate the howling from the monitoring equipment, and make the performance reliable and perfect.

Key Features

PLL PLL Phase Locked Oscillation Circuit

- Stable PLL phase-locked oscillator circuit, combined with the "noise detection" mute control function, can effectively block the noise and radio frequency interference in the working environment.

Super Wide Frequency Range

- The bandwidth is 32MHz, with 1280 adjustable frequencies. Channel groups 1-10 are factory preset with up to 180 fixed frequencies. Channel groups U1-U5 can freely set and save frequencies.

UHF UHF Audio Transmission Technology

- The receiver adopts the UHF frequency band, and the CPU controls the diversity reception to reduce dead spots and ensure stable reception.

Real-time Monitoring

- Has a headphone monitor output.

long distance audio transmission

- It has a long transmission distance and is suitable for various occasions.

Product Specification



PM-320R
Stereo Wireless Bodypack Receiver

- The housing of PM-320R receiver is made of light-weight and tough alloy materials.
- Exquisite and simple OLED multifunctional display.
- The receiver uses the UHF frequency band, and the CPU controls diversity reception to reduce dead spots and ensure stable reception.
- With headphone monitoring output.
- With long transmission distance, it is suitable for various occasions.

Receiving Method:	Antenna diversity reception
Channel:	Single channel
Frequency Stability:	± 0.005% (0 ~ 50°C)
Carrier Frequency Range:	521.25MHz ~ 936.85 MHz
Modulation Mode:	FM (wideband stereo)
Working Range:	100 meters (in open space)
Oscillation:	PLL phase locked frequency synthesis
Sensitivity:	6dBuV, S / N > 60dB at 25KHz deviation
Bandwidth:	32MHz (1280 frequencies, 25 KHz step in tune)
Max. Deviation Range:	± 48KHz
Comprehensive S / N :	> 100dB
Comprehensive T.H.D.:	<0.9%@1KHz
Comprehensive Frequency Response:	50Hz-15KHz ± 3dB
Stereo Separation:	≥45dB, at 1KHz
Output Connector:	φ3.5mm stereo headphone connector
Output Power:	2×150mW at 1KHz (T.H.D. : 3%)
Battery:	AA×2
Current Consumption:	185mA (typical)
Battery Life:	About 7 hours
Dimension (mm):	90(H)×65(W)×23(D)
Weight:	Approximately 190g



PM-320T
Stereo Transmitter

- Metal 1 U Half-Rack case.
- The bandwidth is 32MHz and there are 1280 adjustable frequencies. 1-10 Channel groups, more than 180 fixed frequencies for choose. Channel groups U1-U5 can set and save frequencies freely.
- Stereo and mono selection
- Treble boost function, limit control function
- The stable PLL phase-locked oscillation circuit, combined with the "noise lock" squelch can effectively block stray RF.

Main Frame Size:	1U Half-Rack
Frequency Stability:	± 0.005% (-10~ 50°C)
Carrier Frequency Range:	521.25MHz ~ 936.85 MHz
Modulation Mode:	FM (wideband stereo)
Output Power:	10mW
Oscillation:	PLL phase locked frequency synthesis
Bandwidth:	32MHz
Harmonic Radiation:	60dB below the main wave
Max. Deviation Range:	± 50KHz
Comprehensive S / N :	>100dB
Comprehensive T.H.D.:	<0.9%@1KHz
Comprehensive Frequency Response:	50Hz-15KHz ± 3dB
Audio Input:	Line level × 2, 6.3mm Stereo/XLR Combo Jack
Audio Loop Output:	6.3mm Stereo jack ×2
Dimension(mm):	206 (W)×206(D)×43(H)
Weight:	1.0kg