

MRM-70 UHF Diversity Receiver Module



MRM-70 is a wireless diversity receiver module fitted for MIPRO's MA-705, MA-707, MA708, MA-808 portable PA systems MA-909 wireless mixer. It can also fit other PA amplifiers, mixers, active powers, signal processors and other karac players. Its innovative wireless features and performance add value to these systems.

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UHF band and PLL technology are utilized to avoid the often congested VHF band. Diversity and advanced circuitry incorporated to eliminate signal dropouts and random noise interference.

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To install simply follow the simple wiring diagram. Ascertain the main unit has an ideal reserved slot to be fitted. A the edge connector and wired accordingly. Fasten the two screws in place when done.

UHF diversity receiver. 16 automatically scanable frequencies with ACT functions.

Press the "ACT" button to automatically upload the receiver frequency to the transmitter.

Once the frequency has been set, the data is stored in memory, meaning that the frequency is set until it is changed by performing the "ACT" function again, even after powering off.

Bright and easy-to-read LED displays numeric channel and RF & AF strengths.

Receiver "Sensitivity" level can be sensitivity adjusted to overcome interference.

Reliable true diversity reception with dual "PiloTone & NoiseLock" circuit prevents interferences.

Output level and dynamic range accurately pre-adjusted to equal the microphone capsule's sensitivity, thus ensuring optimal performance of the system. (1.5dB tolerance)

Modularized design allows easy installation, maintenance and DIY. Simplicity, reliable and affordable traits make an ideal accessory.

Frequency Range	UHF 620~950MHz
Oscillation Mode	PLL synthesized
Bandwidth	24MHz
Preset Channels	16 Non-interference channels
Receiving Mode	CPU-controlled Diversity Receiving
Squelch Control	Innovative "PiloTone & NoiseLock" dual-squelch circuit
Display Status	Dedicated LED display panel is clearer and more definite in displaying channel, RF and AF signal strength. Noise indicator clearly display if a receiver is under the state of interference.
Sensitivity	6dBµV, at S/N>80dB
Max. Deviation Range	±0.68KHz
Spurious Emissions	<82dB
Frequency Response	60Hz~15KHz±0.3dB (Overall system)
S/N Ratio	>100dBA

T.H.D.	<0.5% @ 1KHz (Dev.=40KHz)
AF Output	610mV rms
Power Supply	DC 12~15V
Current Consumption	<190 mA
Working Temperature	-10~60°C
Dimensions	75(W)×35(H)×141(D)mm / 3.0(W)×1.4(H)×5.6(D)"
Weight	126g / 4.4oz
Matching Transmitters	ACT-707HE , ACT-707TE