

Diversity Receiver Modules



MRM-70 / MRM-72 UHF Receiver Modules

MRM-70 is a single-channel wireless receiver module fitted for MA-705, MA-707, MA-708 and MA-808 portables. MRM-72 is a dual-channel wireless receiver module fitted for MA-708 and MA-808 portables only. It can also fit other PA amplifiers, mixers, active powers, signal processors and other karaoke players. Its innovative wireless features and performance add value to these systems.

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

- Press "SCAN" button to auto-scan and lock for one of the interference-free receiver channels.
- Press the "ACT" button syncs the receiver and transmitter frequencies automatically.
- Bright and easy-to-read LED displays numeric channel and RF & AF strengths.
- Receiver "Sensitivity" level can be sensitivity adjusted to prevent interference.
- Reliable true diversity reception with dual "Pilotone & NoiseLock" circuit prevents interferences.
- Modularized design allows easy installation, maintenance and DIY.

Specifications

Frequency Range	620~934 MHz
Oscillation Mode	PLL synthesized
Bandwidth	24MHz
Receiving Mode	CPU-controlled diversity receiving
Squelch Control	Innovative " PiloTone & NoiseLock" dual-squelch circuit
Display Status	Noise indicator clearly display if a receiver is under the state of interference.
Sensitivity	6dB μ V, at S/N>80dB
Max. Deviation Range	\pm 68KHz
Spurious Emissions	<82dB
Frequency Response	60Hz~15KHz(Overall system)
S/N Ratio	>100 dBA
T.H.D.	<0.5% @ 1KHz (Dev.=40KH)
AF Output	610mV rms
Power Supply	DC 12~15V
Current Consumption	<190 mA
Working Temperature	-10 $^{\circ}$ C~60 $^{\circ}$ C
Dimensions	MRM-70: 75 W x 35 H x 141 D mm (3.0 W x 1.4 H x 5.6 D in.) MRM-72: 220 W x 57 H x 190 D mm (8.7 W x 2.2 H x 7.5 D in.)
Weight	MRM-70: 126g(4.4 oz.) / MRM-72: 622g(21.9 oz.)
Transmitters	ACT-707H Handheld and ACT-5T Bodypack transmitters