

# MR-90a Professional Portable ENG Receiver

## Introduction

The MIPRO MR-90a is designed to install in the wireless receiver slots found on professional video cameras. With optional accessories, the MR-90a can be configured five different ways to fit all types of camcorders such as the Sony Betacam series or Ikegami and other compatible camcorders.

The MR-90a compact, miniature receiver utilises the UHF band, PLL synthesized technology and dual-antenna true diversity design, ensuring clear and stable signal reception with no signal dropout even in the most unpredictable operating environments. It has a wide frequency range where 100 selectable frequencies are pre-programmed. With the world's first ACT programming function of MIPRO's ACT Series, the receiver and transmitter can set up a clear working frequency rapidly and automatically.

A weather-resistant metal case provides professional strength and durability. A standard LCD panel gives a clear and accurate display of all digital operations and setup.

The MR90a can also be installed on an active PA speaker via MA-909 wireless mixer, MT-90A wireless interlinking transmitter or ACT transmitters to turn active speakers into a wireless system.

## Key Features

- Waterproof, compact, and ultra-thin rugged aluminum chassis construction.
- Various interface socket modules can be easily detached and installed to work with different camcorders, active speakers and other audio equipment.
- Detachable battery pack accessory needs only two AA-sized batteries to provide at least 10 continuous hours of operation, eliminating the need for external power.
- True diversity technology for best reception quality.
- 100 pre-programmed frequencies can be easily auto-scanned for a clear, interference-free frequency.
- ACT™ syncs the transmitter and receiver frequency automatically.
- LCD panel shows frequency, RF and AF signal strength, function, diversity, and battery strength.
- Electronic power switch eliminates any noise during power up and power down.
- Working voltage is 6~12V DC and the efficient power-saving design makes power consumption lower than 70mA.
- Precision SMA antenna connectors with removable soft antennas.

## Transmitters

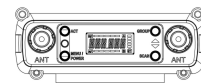
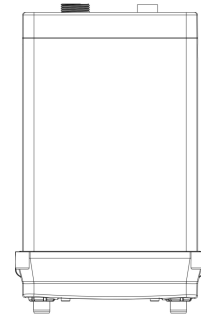
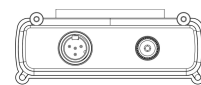
<b>ACT-7H</b>	Handheld Transmitter
<b>ACT-7T</b>	Bodypack Transmitter

## Accessories

<b>MJ-90</b>	Power Cord for SONY Camcorders
<b>MT-90A</b>	Wireless Interlinking Transmitter Amplifier

## Technical Specifications

Frequency Range	UHF 620~934MHz
Bandwidth	24MHz
Oscillation Mode	PLL Synthesized, Frequency Stability $\pm 0.005\%$ (-10~+60 )
Preset Channels	100 selectable channels
Channel Setup	AutoScan
Receiving Mode	Dual antenna true diversity
Receiving Sensitivity	S/N>76dB at 6 $\mu$ V input
Frequency Response	80Hz~18kHz (low frequency filter characteristics)
Spurious Rejection	>80dB
T.H.D.	<0.15% (at 1kHz, deviation at 15kHz)
Squelch Level	Adjustable range: 6dBuV~45dBuV at 5dB steps
Maximum S/N Ratio	107dBA
Maximum Output Level	Balanced 2.2V rms open (THD=1%)
Display	LCD
Power	6.5~12V DC
Current Consumption	Approx. 70mA
Dimensions	83(W) $\times$ 145(H) $\times$ 35(D)mm / 3.3(W) $\times$ 5.7(H) $\times$ 1.4(D)"
Weight	Approx. 220g / 7.7oz
Operating Environment	-10~60



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Specifications subject to change without notice. SS014/01