

ACT-80 Digital Wireless ENG Receiver

Introduction

The MIPRO ACT-80 is a compact wireless receiver designed for professional camcorder applications. Matched with MIPRO ACT transmitters to achieve natural sound reproduction, the receiver eliminates the need for microphone cables during recording, ensuring safe and agile operation of camcorders. The ACT-80 is the ideal portable receiver, convenient for use in any wireless audio transmission system.

Key Features

- Waterproof, compact, and ultra-thin rugged aluminum housing construction.
- Various interface socket modules can be easily detached and installed to work with different camcorders, active speakers and other audio equipment.
- UHF PLL synthesized circuit and dual-antenna true diversity technology for best reception quality.
- Enhanced RF circuitry improves anti-interference characteristics and system compatibility with a 64 MHz-wide bandwidth, allowing more interference-free channels to be selected.
- Full-range sound quality is not affected by the strength of RF signals or operating distance.
- Digitally-processed RF circuitry and DigitnamicPlus™ technology eliminates compander noise, assuring a wireless sound quality that easily rivals cable transmission.
- Improved proprietary Audio A/D Converter provides a true dynamic range of 115 dBA, T.H.D. < 0.03% at 1 kHz with < 3 ms latency.
- Proprietary 256-bit encryption provides secure audio transmission, preventing unauthorized listening.
- World's first ACT™ (Automatic Channel Targeting) provides precise and rapid frequency sync to the transmitters.
- Digital graphic backlit LCD panel.
- Control panel has setup buttons for SCAN, ACT, SQUELCH, LOCK and AF functions, allowing easy and error-free setup.
- Electronic power switch eliminates popping noise during power on/off.
- Precision SMA antenna connectors with removable soft antennas.
- Features are compatible with MIPRO ACT-8 series digital receivers.

Transmitters

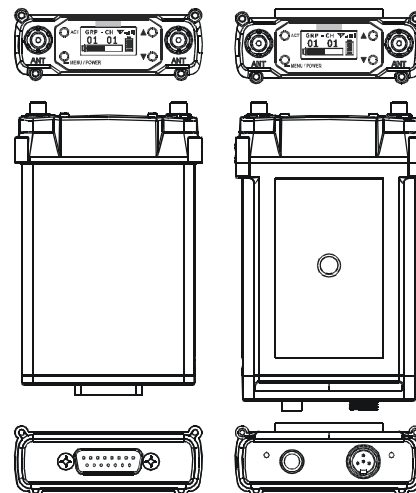
ACT-80H	Handheld Transmitter
ACT-80T	Bodypack Transmitter

Accessories

MJ-90	Power Cord for SONY Camcorders
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Technical Specifications

Overall System	
Frequency Range	470 – 937 MHz
Bandwidth	64 MHz
Preset Frequency	12 non-interference compatible frequencies in group 1-10. 16 non-interference compatible frequencies in group 11-16. 16 user-defined frequencies can be stored in group 18. 216 preset frequencies in total.
Channel Grid	25 kHz
Channel Set-up	Scan & ACT sync
Audio Sampling	24-bit / 44.1 kHz Rate
Audio Compression	2nd Generation DSP inertial coding
Latency	< 3 ms
Frequency Response	20 Hz – 20 kHz (-2dB)
S/N Ratio (analog output)	> 115 dB(A)
T.H.D.	< 0.03 % @ 1 kHz
Encryption	256 bit
Receiver	
Oscillation Mode	PLL Synthesized
Frequency stability	± 0.005% (-10 - +60)
Image and Spurious Rejection	> 85 dB
Receiving Mode	Dual antenna digital diversity
Analog Output	Balanced XLR
Display	Digital graphic backlit LCD
Battery Meter	Transmitter battery status
Antenna Input	500 SMA female connector × 2
Power Supply	External AC power supply, 12 – 15 V DC, 0.5A
Dimensions (W × H × D)	73.5 × 120 × 28 mm / 2.9 × 4.7 × 1.1 "



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Specifications subject to change without notice. SS015/07

Weight	Approx. 220 g (7.7 oz)
Operating Temperature	-10 ~ +60



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