

# ACT-82

## Dual-Channel Encrypted Digital Diversity Receiver



Front Panel

Rear Panel

The ACT-82 receiver is an EIA standard 19" 1RU design receiver. Featuring revolutionary encrypted digital wireless microphone technology to prevent unauthorized listening in facilities where security is a must. It has an impressive list of innovative and user-friendly features.

### Key Features

- Industry's first full-color VFD (vacuum fluorescent display), easily readable from a distance in day or night environments.
- 24-bit audio quality and digital RF transmission.
- Proprietary 128-bit encryption (switchable) guarantees secure audio transmission, preventing unauthorized listening.
- DigitnamicPlus™ technology eliminates compander noise assuring the original sound quality is maintained.
- Built-in user-defined microphone capsule equalization enables characteristics to be modified to suit individual preferences.
- Enhanced RF filter and circuitry improve anti-interference characteristics, increasing system compatibility.
- Digital transmission offers better resistance to interference.
- Wordclock in/out with activity indicator ensures correct synchronization with other digital equipment
- Features MIPRO's patented industry standard 1-touch AutoScan and ACT™ technology for easy, fast channel setup.
- Ideal for studio, stage and music performances as well as military, courtroom, conference, boardroom and broadcast applications ~ anywhere audio security and accurate, distortion-free reproduction of the full sound spectrum are required.

### UHF Wireless

- **ACT-8H** Handheld Transmitter Microphone
- **ACT-8T** Body-pack Transmitter
- **MU-53L/53LS** Uni-directional Lavalier Microphone
- **MU-55L/55LS** Omni-directional Lavalier Microphone
- **MU-53HN/53HNS** Uni-directional Headset Microphone
- **MU-55HN/55HNS** Omni-directional Headset Microphone
- **MU-210** Uni-directional Headset Mic
- **MU-23** Omni-directional Headset Mic
- **MU-13** Omni Headset Mic (single-sided)

### Accessories

- **AT-70** Extension Antenna
- **AT-90W (New)** Active Wideband Antenna
- **AD-707a (New)** 4-Channel Antenna Divider
- **MP-8** Intelligent Battery Charger
- **MP-88** Portable 8-Slot Battery Charger
- **ACT-8H-BAT** Detachable Battery Pack for ACT-8H
- **ACT-8T-BAT** Detachable Battery Pack for ACT-8T
- **RH-88** Colored Caps for ACT-8H Handheld

### Specifications

RF Frequency Range:	UHF 614-870 MHz
Bandwidth:	24 MHz
Metal Housing:	EIA standard 19" 1RU
Frequency Set-up:	AutoScan & ACT functions
Audio Sampling spec:	24-bit/44.1 KHz Rate
Audio Compression:	Combiner DSP technology
Latency:	< 4ms
Audio Frequency Range:	20Hz-20KHz -2dB
Audio Dynamic Range:	110dB(A) Typical.
T.H.D.:	≤ 0.03 % at 1KHz
Sensitivity:	12dBμV at S/N ≥ 106dB (A)
Channel Grid:	25KHz
Image and Spurious Rejection:	> 85dB
Diversity Technique:	Digital Diversity
Power Requirements:	100-240VAC/ 11-13 VDC
Operating Temperature Range:	-10°~60°C (14°~140°F)
Dimensions:	420(W) x 44(H) x 250(D) mm 16.5(W) x 1.7(H) x 9.8(D) "
Weight:	2.7 kg / 5.9 lbs

Specifications subject to change without notice



# ACT- 8H

## Encrypted Digital Handheld Microphone

ACT-8H is a UHF transmitter microphone compatible with digital ACT-82 receiver



### Key Features

- Durable, magnesium alloy construction with comfortable ergonomic design.
- 128-bit audio encryption for high-security applications.
- Anti-pop and anti-roll cardioid microphone capsule module (omni-version also available), with extremely low handling noise characteristics on both modules.
- Easily interchangeable microphone capsule and battery pack.
- Extremely low handling noise characteristics.
- Backlit LCD displays working channel, transmitter battery status, RF output level and AF input level.
- Featuring industry's first ACT sync technology for easy and fast transmitter channel set-up.
- Integrated antenna with reversible color-coded endcaps to shield on/off switch and menu buttons.
- High performance long-life lithium polymer rechargeable battery pack, easily removable for maintenance.
- Intelligent charger recharges both transmitter and spare battery simultaneously.
- Optimal 8~10 hour continuous use from a single 4-hour fast charge.

### Specifications

Antenna:	Built-in
RF Power Output:	$\leq 10/50\text{mW}$ switchable
Spurious Radiation:	$\leq -60\text{dBc}$
Oscillation Mode:	PLL Technique
Frequency Stability:	$\leq \pm 0.005\%$ at 0~50°C
Modulation Type:	Digital Modulation
Audio Compression:	Combiner DSP technology
Battery Power:	1100mA/h Rechargeable Lithium-Polymer
Battery Life:	$\geq 8$ Continuous Hours
Dimensions:	50Φx248(L)mm / 2Φx10"
Weight:	315g / 11.1oz. (battery included)

Specifications subject to change without notice

# ACT-8T

## Encrypted Digital Bodypack Transmitter



**ACT-8T is a UHF bodypack transmitter compatible with digital ACT-82 receiver**

### Specifications

Antenna:	Detachable
RF Power Output:	$\leq 10/50\text{mW}$ switchable
Spurious Radiation:	$\leq -60\text{dBc}$
Oscillation Mode:	PLL Technique
Frequency Stability:	$\leq \pm 0.005\%$ at $0\sim 50^{\circ}\text{C}$
Modulation Type:	Digital Modulation
Audio Compression:	Combiner DSP technology
Battery Power:	1200mA/h Rechargeable Lithium-Polymer
Battery Life:	$\geq 8$ Continuous Hours
Dimensions:	60(W) x 84(H) x 24 (D)mm 2.4(W) x 3.3(H) x 0.9 (D) "
Weight:	135g / 4.8oz. (battery included)

### Key Features

- Industry's smallest digital bodypack transmitter.
- Extremely rugged, yet lightweight design with magnesium alloy housing.
- Precision SMA antenna connectors with removable soft antennas. Robust mini-XLR connector.
- Bright LCD displays working channel, transmitter battery status, input levels and error code.
- User-friendly adjustable menu buttons.
- Optimal 8-10 hours of continuous operation from a 4-hour quick-charge, detachable Li-polymer rechargeable battery pack.
- Compact size and adjustable belt clip can be worn comfortably upside or upside down for the talent and nearly invisible to the audience.
- Featuring industry's first ACT sync technology for easy and fast transmitter channel set-up.

### Microphones

- **MU-53L/53LS** Uni-directional Lavalier Mic
- **MU-55L/55LS** Omni-directional Lavalier Mic
- **MU-53HN/53HNS** Uni-directional Headset Mic
- **MU-55HN/55HNS** Omni-directional Headset Mic
- **MU-210** Uni-directional Headset Mic
- **MU-23** Omni-directional Headset Mic
- **MU-13** Omni Headset Mic (single-sided)

Specifications subject to change without notice

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