ACT-82
Dual-Channel Encrypted Digital Diversity Receiver

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.
- Digitmimicplus™ 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.

**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/44.1KHz 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
- **Weight:** 2.7 kg / 5.9 lbs

**Accessories**

- **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)

- **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
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: \( \leq 0.005\% \) at 0~50°C
Modulation Type: Digital Modulation
Audio Compression: Combiner DSP technology
Battery Power: 1100mAm/h Rechargeable Lithium-Polymer
Battery Life: \( \geq 8 \) Continuous Hours
Dimensions: \( 50\Phi \times 248\text{(L)} \text{mm} / 2\Phi \times 10" \)
Weight: 315g / 11.1oz. (battery included)

Specifications subject to change without notice

MIPRO Electronics Co., Ltd. – TAIWAN
886-5-238-0809  www.mipro.com.tw
ACT-8T

Encrypted Digital Bodypack Transmitter

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

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.

Specifications

<table>
<thead>
<tr>
<th>Antenna:</th>
<th>Detachable</th>
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<tbody>
<tr>
<td>RF Power Output:</td>
<td>≤10/50mW switchable</td>
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<tr>
<td>Spurious Radiation:</td>
<td>≤-60dBc</td>
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<td>Oscillation Mode:</td>
<td>PLL Technique</td>
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<tr>
<td>Frequency Stability:</td>
<td>≤±0.005% at 0~50°C</td>
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<tr>
<td>Modulation Type:</td>
<td>Digital Modulation</td>
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<td>Audio Compression:</td>
<td>Combiner DSP technology</td>
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<td>Battery Power:</td>
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<td>Battery Type:</td>
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<td>Battery Life:</td>
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<tr>
<td>Dimensions:</td>
<td>60(W) x 84(H) x 24 (D)mm</td>
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<td></td>
<td>2.4(W) x 3.3(H) x 0.9 (D) &quot;</td>
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<tr>
<td>Weight:</td>
<td>135g / 4.8oz. (battery included)</td>
</tr>
</tbody>
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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