

ACT-82

1U Dual Channel Digital Diversity Receiver

- 24-bit audio quality and digital RF transmission.
- DigitnamicPlus™ technology eliminates compander noise, thereby accurately restoring the original sound quality.
- Proprietary 128-bit digital encryption key guarantees secure audio transmission, preventing unauthorized listening.
- Built-in SmartEQ™ preset and user-defined microphone capsule equalization for faithful reproduction to suit artist's preferences.
- Digital transmission quality is constant. S/N ratio will not deteriorate as received signal becomes weaker.
- Digital has better resistance to interference.
- Proprietary Audio A/D Converter provides a true dynamic range of 110dB(A) to eliminate saturation or distortion at higher frequencies under high SPL input conditions.
- MIPRO' RCS2.Net software allows real-time network control and monitoring of multiple, large-scale systems.
- Featuring industry's first full-color VFD (vacuum fluorescent) display.
- Featuring MIPRO's patented and now industry standard "AutoScan" and "ACT" (Automatic Channel Targeting) channel set-up technology.
- All controls are intuitive and easily accessible, enabling quick and easy system set-up via a single rotary switch.
- Headphone monitor jack with channel selector.
- Ideal for military, courtrooms, boardrooms, studio, stage & music performances anywhere security and accurate audio is a must.



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These revolutionary encrypted digital wireless Systems feature a 128-bit encryption key for maximum security against unauthorized listening, 24-bit audio quality, true digital RF transmission, SmartEQ™ microphone modeling and are PC-controllable.

Specifications - Receiver

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|----------------------------|---|
| Channels | Dual-channel |
| Sensitivity | 12dBμV at S/N ≥ 106dB(A) |
| Bandwidth | 24MHz |
| Channel Grid | 25KHz |
| Image & Spurious Rejection | ≥95dB |
| Diversity Technique | Digital Diversity |
| Receiver Type | Double Conversion: 1st 244MHz , 2nd 10.7MHz |
| Audio Output | XLR |
| Digital Audio Output | AES-3id with BNC Connectors |
| Digital Equalizer | Preset Microphone Capsule Modeling |
| PC Interface | USB or RS-232 interface, Proprietary MIPRO ACT-BUS |
| Display | Color VFD Display |
| Battery Meter | Displays Transmitter Battery Level |
| Antenna Input | 50Ω Dual TNC Female Connector |
| Power Input | 90~264VAC / 11~13 VDC |
| Dimensions | EIA Standard 1 space rack |
| Weight | 2.7kg / 6lbs |
| Environment | Full Specs, -10~60 °C |
| Matching Transmitters | ACT-8H, ACT-8T |

Specifications - Overall System

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|-----------------------|-------------------------|
| Frequency Range | UHF 620~692MHz |
| Switching Bandwidth | 24MHz |
| TX Channel Set-up | ACT |
| Audio Sampling Specs | 24-bit/44.1KHz Rate |
| Audio Compression | Combiner DSP Technology |
| Bit Rate | 220.5kbps |
| Latency | 4ms |
| Audio Frequency Range | 20Hz~20KHz-2dB |
| Audio Dynamic Range | 110dB(A) Typical |
| T.H.D. | ≤0.03% at 1KHz |