

ACT-81

1U Single 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 110dBa 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

Channels	Single-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 x 1
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	2.3kg / 5.1lbs
Environment	Full Specs, -10~60 °C
Matching Transmitters	ACT-8H, ACT-8T

Specifications - Overall System

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