

# ACT-848 Wideband Quad-Channel Digital Receiver

## Key Features

- The ACT-848 is an EIA standard 1U quad channel rack-mountable receiver with metal chassis.
- A full-color VFD (vacuum fluorescent display) provides clear viewing of all parameters. All controls are intuitive and easily accessible, allowing for quick and easy system setup via a single rotary control.
- Enhanced RF circuitry improves anti-interference characteristics and system compatibility with 64 MHz wide bandwidth allows more interference-free channels to be selected.
- New digital diversity receiving technology eliminates signal dropout and enhances receiving range.
- Full-Range sound quality won't be changed by the strength of RF signals or operation 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 < 2.9 ms latency.
- AES Digital Audio Interface facilitates a direct connection to digital mixing consoles and transmits signal without distortion, ensuring a stable S/N ratio which will not deteriorate in long distance transmission.
- Proprietary 256-bit encryption, provides secure audio transmission, preventing unauthorized listening.
- 10 built-in SmartEQ™ presets and user-defined microphone capsule equalization allows faithful sound reproduction to suit artists' preferences.
- 10 built-in digital anti-feedback SmartEQ™ presets for minimizing feedback effectively without sacrificing sound quality.
- Optional MIPRO RCS2.Net software allows real-time network remote-controlling and monitoring of 64 systems.



## Transmitters & Microphones

<b>ACT-80H</b>	Wideband Digital Handheld Transmitter
<b>ACT-80T</b>	Wideband Digital Miniature Bodypack Transmitter
<b>ACT-80HC</b>	Rechargeable Wideband Digital Handheld Transmitter
<b>ACT-80TC</b>	Rechargeable Wideband Digital Miniature Bodypack Transmitter
<b>TA-80</b>	Digital Wireless Plug-on Transmitter

## Accessories

<b>ACT-707SD</b>	Receivers PC Management Software
<b>AD-707a</b>	UHF Wideband 4-Channel Antenna Divider
<b>AD-708</b>	Wideband 4-Channel Auto Gain-Control Antenna Divider
<b>AT-70</b>	Ground Plane Antenna
<b>AT-70W   AT-70Wa</b>	Wideband Transmitting & Receiving Omni-directional Antenna
<b>AT-90W   AT-90Wa</b>	Wideband Transmitting & Receiving Log Antenna
<b>AT-100   AT-100a</b>	Wideband Circularly Polarized Antenna
<b>FB-72</b>	Rack Mount Kit
<b>FBC-71</b>	Rear-to-Front Cables

## Technical Specifications

Chassis / Channel	EIA Standard 19" 1U, Quad
Display	A full-color VFD (vacuum fluorescent display) provides clear viewing of all parameters.
Frequency Range	UHF 480 ~ 960 MHz (country dependent)
Bandwidth	64 MHz
Receiving Mode	Digital diversity receiving technology eliminates signal dropout and enhances receiving range. Full-range sound quality is not affected by the strength of RF signals or operating distance.
Sensitivity	12 dBμV at S/N ≅ 118 dBA (digital output)
Image and Spurious Rejection	> 85 dB
Audio Sampling	Digitally-processed RF circuitry and DigitnamicPlus™ technology eliminates compander noise
Encryption	256 bits
Audio Sampling	24-bit / 44.1 kHz Rate
Frequency Response	20 Hz ~ 20 kHz (-2 dB)
Dynamic Range	S/N Ratio > 115 dB(A), T.H.D. < 0.03 % @ 1 kHz
Latency	2.9 ms (analog output)
Digital Audio Interface	AES digital output, analog transmission
Digital EQ	10 built-in SmartEQ™ & 10 built-in digital anti-feedback SmartEQ™
Monitor Output	Headphone monitor connector
Dante Interface	Optional
PC Interface	USB or RS-232 Interface. Proprietary MIPRO ACT-BUS for real-time network remote-controlling and monitoring of 64 systems.
Power Supply	External
Antenna	Detachable. 50Ω TNC female connector provides bias for the MIPRO antenna systems.
Dimensions (W × H × D)	420 × 44 × 245 mm / 16.5 × 1.7 × 9.6 "
Weight	Approx. 2.6 kg / 5.7 lbs
Operating Temperature	-10 – +60°C



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