

ACT-828 Wideband Dual-Channel Digital Receiver

Key Features

- EIA standard rack-mountable receiver with metal chassis for excellent heat dissipation and RF shielding.
- A full-color VFD. Quick and easy system setup via a single rotary control knob.
- Enhanced RF circuitry improves anti-interference characteristics and system compatibility.
- New digital diversity receiving technology. Full-range sound quality is not affected by the strength of RF signals or operating distance.
- Proprietary DSP audio processor and A/D converter.
- Proprietary 256-bit encryption prevents unauthorized listening.
- 10 built-in SmartEQ™ microphone capsule equalization presets suit artists' preferences.
- 10 built-in digital anti-feedback SmartEQ™ presets for minimizing feedback.
- Optional MIPRO RCS2.Net software allows real-time network remote-controlling and monitoring of 64 systems.
- Optional Dante interface.



Transmitters & Microphones

ACT-80H	Wideband Digital Handheld Transmitter
ACT-80T	Wideband Digital Miniature Bodypack Transmitter
ACT-80HC	Rechargeable Wideband Digital Handheld Transmitter
ACT-80TC	Rechargeable Wideband Digital Miniature Bodypack Transmitter
TA-80	Digital Wireless Plug-on Transmitter
BC-100DT	Digital Wireless Conference Microphone Base

Accessories

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

Technical Specifications

Chassis / Channel	EIA Standard 19" 1U, Dual
Frequency Range	UHF 480 – 960 MHz (country dependent)
Bandwidth	64 MHz
Channel Grid	25 kHz
Channel Set-up	Scan & ACT sync
Audio Sampling	24-bit / 44.1 kHz Rate
Audio Frequency Response	20 Hz – 20 kHz
Encryption	256 bits
Audio Compression	2nd generation DSP inertial coding
Latency	2.7 ms
S/N Ratio (analog output)	> 115 dB(A)
T.H.D.	< 0.03% @ 1 kHz
Sensitivity	12 dBµV at S/N ≈ 118 dBA (D)
Image & Spurious Rejection	> 85 dB
Receiving Mode	Digital Diversity
Audio Output	2 × Balanced XLR , 2 × Unbalanced 6.3 mm (1/4 ")
Analog Output Switch	2 × Mic / Line
Audio Interface	AES digital output, analog transmission
Digital Equalizer	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
Display	Full-color VFD
Battery Meter	Transmitter battery status
Antenna Input	2 × 50Ω TNC Female Connector
Power Supply	External adaptor
Dimensions (W × H × D)	420 × 44 × 245 mm 16.5 × 1.7 × 9.6 "
Weight	Approx. 2.2 kg 4.8 lbs
Operating Temperature	-10 – +60°C



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