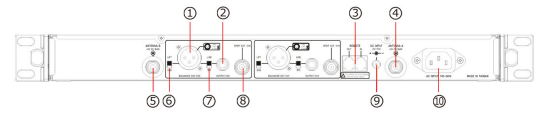


ACT-828 Wideband Dual-Channel Digital Receiver

Key Features

- The ACT-828 is an EIA standard 1U dual channel rack-mountable receiver with metal chassis.
- Full-color VFD (vacuum fluorescent display) for 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 < 2.7 ms latency
- SPDIF 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 minimize feedback effectively without sacrificing sound quality.
- Optional MIPRO RCS2.Net software allows real-time network remote-controlling and monitoring of 64 systems.



Transmitters & Microphones

ACT-80H	Wideband Digital Handheld Transmitter
ACT-80T	Wideband Digital Miniature Bodypack Transmitter

Accessories

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

1. Balanced Audio Output
2. Unbalanced Audio Output
3. Network Interface Connector
4. Antenna A Connector
5. Antenna B Connector
6. Lift/GND Switch
7. Mic/Line Switch
8. Digital Output
9. DC Input Jack
10. AC Power Socket

Technical Specifications

Overall System	
Frequency Range	5E: 480~544MHz (US & EU) 5F: 540~604MHz (US & EU) 6E: 636~700MHz (EU) 6F: 696~760MHz (EU)
Bandwidth	64MHz
Channel Grid	25kHz
Channel Set-up	Scan & ACT sync
Audio Sampling	24-bit/44.1kHz Rate
Audio Compression	2nd Generation DSP inertial coding
Latency	<2.7ms
Audio Frequency Response	20Hz~20kHz (-2dB)
S/N Ratio (analog output)	>115dB(A)
T.H.D.	<0.03% @ 1kHz
Encryption	256bit
Receiver	
Chassis / Channel	EIA Standard 19" 1U, Dual
Sensitivity	15dBµV at S/N 118dBA
Image & Spurious Rejection	>85dB
Receiving Mode	Digital Diversity
Audio Output	Balanced XLR × 2, Unbalanced 6.3 mm (1/4 ") × 2
Analog Output Switch	Mic / Line × 2
Digital Audio Interface	SPDIF output. BNC female × 2
Digital Equalizer	Preset 10 Microphone Capsule Modeling
Digital Anti-feedback Equalizer	Preset 10 Anti-feedback Microphone Capsule Modeling
PC Interface	USB or RS-232 interface. Proprietary MIPRO ACT-BUS
Display	Full-color VFD
Battery Meter	Transmitter battery status
Antenna Input	500 TNC Female Connector × 2
Power Supply	Built-in 100~240V AC Switching Power Supply
Dimensions	420(W) × 44(H) × 245(D) mm / 16.5(W) × 1.7(H) × 9.6(D)"
Weight	Approx. 2.2kg / 4.8lbs
Environment Conditions	-10~+60



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Specifications subject to change without notice. SS013/07