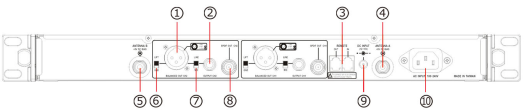


ACT-828 Wideband Dual-Channel Digital Receiver

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
- AES3id 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 |

- ? Balanced Audio Output
- ? Unbalanced Audio Output
- ? Network Interface Connector
- ? Antenna A Connector
- ? Antenna B Connector
- ? Lift/GND Switch
- ? Mic/Line Switch
- ? Digital Output
- ? DC Input Jack
- ? 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 | AES3id output. BNC female × 2 |
| Digital Equalizer | Preset 10 Microphone Capsule Modeling |
| Digital Anti-feedback | Preset 10 Anti-feedback Microphone Capsule Modeling |
| Equalizer | |
| 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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