

# ACT-818 Wideband Single-Channel Digital Receiver

## Key Features

- The ACT-818 is a 1/2U single 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.

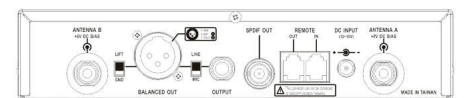


## Transmitters & Microphones

<b>ACT-80H</b>	Wideband Digital Handheld Transmitter
<b>ACT-80T</b>	Wideband Digital Miniature Bodypack Transmitter

## Accessories

<b>ACT-707SD</b>	Receivers PC Management Software
<b>AT-70W</b>	Wideband Transmitting & Receiving Omni-directional Antenna
<b>AT-90W</b>	Wideband Transmitting & Receiving Log Antenna
<b>AT-100</b>	Wideband Circularly Polarized Antenna
<b>FB-71</b>	Rack Mount Kit



## 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" 1/2U, Single
Sensitivity	15dBμV at S/N 118dBA
Image & Spurious Rejection	>85dB
Receiving Mode	Digital Diversity
Audio Output	Balanced XLR × 1, Unbalanced 6.3 mm (1/4 ") × 1
Analog Output Switch	Mic / Line × 1
Digital Audio Interface	SPDIF output. BNC female × 1
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	External AC Power Supply, 12-15V DC, 1A
Dimensions	210(W) × 44(H) × 230(D) mm / 8.3(W) × 1.7(H) × 9(D)"
Weight	Approx. 1.1kg / 2.4lbs
Environment Conditions	-10~+60



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