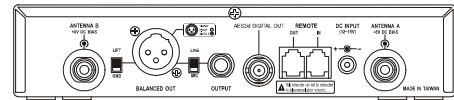
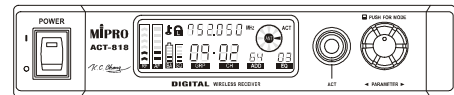


# ACT-818 Wideband Single-Channel Digital Receiver

## 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

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

## 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-71	Rack Mount Kit
FBC-71	Rear-to-Front Cables

## Technical Specifications

Overall System	
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
Audio Frequency Response	20 Hz – 20 kHz (-2 dB)
Encryption	256 bit
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
Receiver	
Chassis / Channel	EIA Standard 19" 1/2U, Single
Sensitivity	12 dBμV at S/N = 118 dBA (D)
Image & Spurious Rejection	> 85 dB
Receiving Mode	Digital Diversity
Audio Output	Balanced XLR , Unbalanced 6.3 mm (1/4 ")
Analog Output Switch	Mic / Line
Digital Audio Interface	AES3id output. BNC female
Digital Equalizer	10 built-in SmartEQ™ & 10 built-in digital anti-feedback SmartEQ™
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 AC switching power
Dimensions (W × H × D)	210 × 44 × 230 mm / 8.3 × 1.7 × 9 "
Weight	Approx. 1.1 kg / 2.4 lbs
Operating Temperature	-10 – +60°C



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