

MIPRO TRUE DIGITAL

Innovation • Reliability • Performance



ACT-818 • ACT-828

ACT-818 - ACT-828 Digital Encryptable Receivers

- Single & Dual channel digital diversity receivers.
- Expanded 64 MHz bandwidth.
- 480 MHz to 698 MHz over 3 bands.
- SPDIF interface.
- True Digital transmission.
- No companding.
- 24-bit / 44.1 kHz audio sampling.
- 256-bit encryption.
- Second generation DSP.
- AutoScan & ACT channel setup.
- SmartEQ™ with capsule emulation.
- 20Hz – 20kHz Frequency Response.
- Transparent audio performance.
- 219 presets; 17 groups per band.
- 16 intermod free presets per group.
- Enhanced RF circuitry.
- True dynamic range of 115 dBA.
- T.H.D. < 0.03% at 1 kHz.
- Less than 2.7 ms latency.
- Metal receiver housings.
- Full-color VFD display.
- MIPRO RCS27 software allows real-time computer set up, control and monitoring.

Specifications - System

Frequency Range	Band 5E: 480-544 MHz Band 5F: 540-604 MHz Band 6E: 636-699 MHz
Bandwidth	64 MHz
Channel Setup	MIPRO SCAN & ACT Sync
Audio Sampling	24-bit/44.1KHz Rate
Audio Compression	2nd Generation DSP inertial coding
Latency	< 2.7ms
Frequency Response	20Hz~20KHz (-2dB)
S/N Ratio (analogue output)	>115dB (A)
T.H.D.	≤0.3% at 1KHz
Encryption	256 bit

Specifications - Receiver

Systems	Single & Dual channel digital diversity
Sensitivity	15dBµV at S/N~118dBA
Bandwidth	64MHz per band (3 Bands, 192MHz)
Channel Grid	25kHz
Image/Spurious Rejection	>85dB
Dual Squelch Control	"NoiseLock & PiloTone" Circuit
Peak Deviation	±68KHz
Audio Output	Balanced XLR × 1 Unbalanced 6.3 mm (1/4 ") × 1
Analog Output Switch	Mic /Line
Digital Audio Interface	SPDIF output. BNC female × 1
Digital Equalizer	Preset 10 Capsule Modeling
Digital Anti-feedback EQ	Preset 10 Anti-feedback Capsule Modeling
Antenna Input	50Ω TNC Female Connector ×2
Power Supply	External AC Power Supply, 12~15V DC, 1A
PC Interface	USB/RS-232 I/O MIPRO ACT-BUS
Display	Full-Color VFD (vacuum florescent)
Environmental Conditions	14—140 degrees F
Dimensions	818: 8.3(W) × 1.7(H) × 9(D)" 828: 16.5(W) × 1.7(H) × 9.6(D)"
Weight	818: 2.4 lbs. 828: 4.8 lbs.
Housing	Metal: 818: ½ RU, 828: 1 RU
Matching Transmitters	Magnesium Alloy ACT-80H, ACT-80T



ACT-80H Digital Wideband Wireless Microphone

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ACT-80H Digital Encryptable Handheld Microphone

- True condenser cardioid capsule
- Three selectable mute settings; auto, manual or disable
- Multifunction backlit LCD
- 12+ hours on two AA batteries
- Magnesium alloy housing
- Selectable RF output
- Selectable gain settings
- Selectable low cut
- Selectable limiting
- Steel grill with fine metal mesh interior protection
- Premium capsule shock mount
- Superior off axis and pop characteristics
- Reversible end cap shields power or mute switches from accidental activation
- Black standard; optional champagne housing
- Color end clips for identification



Specifications

Frequency Range	5E: 482~544 MHz 5F: 540~604 MHz 6E: 636~699 MHz
Antenna	Built-in
RF Power Output	10mW/50mW (switchable)
Spurious Emission	≤-60dBc
Oscillation Mode	PLL Synthesized
Frequency Stability	≤±0.005% (-10~+60°C)
Modulation Type	New Digital Modulation
Audio Compression	DSP Inertial Coding
Capsules	Standard: TCM; Optional: Dynamic
Battery	2 AA alkaline
Battery Hours	Up to 12hours (Low Power)
Dimensions	50(Ø)×248(L)mm / 2(Ø)×9.8(L)"
Weight	Approx. 250g / 8.8oz, excluding batteries



ACT-80T Digital Wideband Wireless Microphone

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ACT-80T Digital Encryptable Bodypack Transmitter

- Industries smallest digital bodypack
- MU53LX Lavalier included
- Magnesium alloy housing
- Direct and remote mute control
- Multifunction backlit LCD
- 12+ hours on two AA batteries
- Shielded controls prevent accidental operation
- Direct and remote mute control
- Six selectable gain settings
- Selectable RF output
- Selectable low cut
- Selectable mute settings
- Selectable limiting
- Selectable phase control



Specifications

Frequency Range	5E: 482~544 MHz 5F: 540~604 MHz 6E: 636~699 MHz
RF Power Output	10mW/50mW (switchable)
Spurious Emission	≤-60dBc
Oscillation Mode	PLL Synthesized
Frequency Stability	≤±0.005% (-10~+60°C)
Modulation Type	Digital Modulation
Audio Compression	Combiner DSP Technology
Battery	2 AA alkaline
Battery Hours	Up to 12hours (Low Power)
Dimensions	63(W)×82(H)×22(D)mm / 2.5(W)×3.2(H)×0.9(D)"
Weight	Approx. 87g / 3oz, excluding batteries