

**MIPRO TRUE DIGITAL**  
Innovation · Reliability · Performance



**ACT-818**

### ACT-818 Digital Encryptable Receivers

- Single channel digital diversity receivers
- 64 MHz bandwidth
- 480 MHz to 604 MHz over 2 bands
- AES/EBU digital output
- 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 plus 16 user definable
- Up to 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

### Specifications - System

Frequency Range	Band 5E: 482-544 MHz Band 5F: 554-604 MHz
Bandwidth	5E: 64 MHz 5F: 54
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 channel digital diversity
Sensitivity	15dBµV at S/N~118dBA
Bandwidth	64 MHz
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	AES/EBU output
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)"
Weight	818: 2.4 lbs.
Housing	Metal: ½ RU
Matching Transmitters	Magnesium Alloy ACT-80H, ACT-80T, TA-80

ISO9001 Certified