



7-Series Wideband Wireless Microphone Systems

ACT 7-Series UHF True Diversity Receivers

- Ultra-Wide 216 MHz bandwidth over three 72MHz wide bands. Up to 48 interference-free channel operation per band.
- Up to 384 selectable frequencies in 15 preset groups per band. Select and save 16 user defined presets from up to 2,881 frequencies in User Definable Group 16.
- Available in single, dual and quad versions.
- EIA Standard 19" ½ and 1 RU metal housings improve heat dissipation and shielding from spurious interference.
- PLL synthesized RF Technology with low spurious emissions and increased RF stability.
- Third generation RF circuitry features improved anti-interference characteristics and increased interference-free channel operation.
- The industry's only multi-functional full-color VFD (vacuum fluorescent display).
- MIPRO's patented and now industry standard "AutoScan" and "ACT" (Automatic Channel Targeting) channel set-up technology.
- Enhanced RF saturated dynamic range decreases interference and THD.
- True Diversity receivers with "PiloTone & NoiseLock" circuits improve reception with less interference.
- RF interference warning indicator.
- All controls are intuitive and easily accessible, enabling quick and easy system set-up via a single rotary switch.
- Switchable output levels.
- MIPRO RCS27 software allows real-time computer set up, control and monitoring.
- Reliable RF and transparent audio performance.

Specifications - System

Frequency Range	UHF 482 - 698 MHz
Preset Frequencies	384 Band 5UA & 6UA 364 Band 5US
Compatible Channels	48 Presets Band 5UA & 6UA 44 Presets Band 5US
Receiving Mode	True Diversity
Oscillation Mode	PLL Synthesized
RF Stability	±0.005% (14 to 122°F)
Max Deviation Range	±68KHz, with Level Limiting
S/N Ratio	>105dB (A)
T.H.D.	≤0.5% at 1KHz
Frequency Response	50Hz~18KHz

MIPRO ACT 7-Series

Innovation · Reliability · Performance



ACT-717a · ACT-727a · ACT-747a

Specifications - Receiver

Systems	Single, Dual and Quad Channels
Sensitivity	6dBµV @ S/N ≥ 80dB, 40KHz Dev
Bandwidth	72MHz per band (3 Bands, 216MHz)
Frequency Range	482 - 698MHz, TV 16 - 51
Display	Color Vacuum Florescent
Dual Squelch Control	"NoiseLock & PiloTone" Circuit
Peak Deviation	±68KHz
Max Output Level	Unbalanced +10, 0 or -6 dBV Balanced +16, 0 or -6 dBV
Output Connectors	717a: XLR and 1/4" Phone 727a, 747a: XLR Discreet & Mixed
PC Interface	USB or RS-232 interface, Proprietary MIPRO ACT-BUS
Antenna Input	50Ω Dual TNC Female Connector
Power Supply	100 - 240VAC Switching
Ground Lift	Switchable
Dimensions	717a: 8.3 x 1.7 x 8.9" 727a: 19 x 1.7 x 10.2" 747a: 19 x 1.7 x 10.2"
Weight	717a: 3.1 lbs. 727a: 6.6 lbs. 747a: 7.5 lbs.
Housing	Metal: 717a: ½ RU, 727a,747a: 1 RU
Matching Transmitters	Magnesium Alloy ACT-7Ha, ACT-7Ta



ACT-71Ha Wideband UHF Handheld Microphone Transmitter

The new wideband Mipro ACT-71Ha handheld transmitter is built on the experience and backbone of three generations of wireless products. The ACT-71Ha features a lightweight magnesium alloy housing, true condenser capsule, improved RF circuitry, low power consumption characteristics, backlit LCD display, silent on/off and mute switches and 72 MHz of bandwidth. The Mipro ACT-71Ha is innovative and reliable, offering the premium performance needed by today's audio professionals.

ACT-71Ha Features

- Ultra-Wide bandwidth - 72 MHz.
- Premium true condenser cardioid capsule provides high SPL, high fidelity, wide dynamic range and fast transient response.
- Durable lightweight magnesium alloy body.
- Backlit LCD displays working channel, battery level, mute status and audio levels.
- Programmable gain, limiter, low cut and RF output power.
- High efficiency and low spurious emission.
- Mipro's world first ACT function, allowing rapid and precise transmitter frequency set-up.
- Enhanced low handling noise design.
- Superior off axis rejection.
- Silent on/off switch with mute button.
- Multi-layered steel grille protects against impact and minimizes pop noise.

Specifications

Oscillation Mode	PLL Synthesized
Carrier Frequency Range	UHF 482 - 698MHz (TV 16 - 51) Bands 5UA, 5US & 6UA
Bandwidth	72MHz
Channel Set-Up	Mipro ACT (Automatic Channel Targeting) IR Sync
RF Output Power	50mW or 10mW (switchable)
Spurious Emissions	<-55dBc
Peak Deviation	±68KHz
Max Input Level	142dB SPL
Sensitivity Gain Adjustment	-6dB, -3dB, 0dB, +3dB, +6dB
Capsule	MU-89 premium true condenser cardioid
Battery	AA Alkaline x 2
Battery Life	≥20 Hours (AAx2 Alkaline)
Dimensions	2" × 10.1" (50 x 258 mm)
Weight	10.3 oz. (292 g) excluding batteries
Color	Black

ACT-71Ta Miniature Wideband UHF Bodypack Transmitter

The new miniature wideband Mipro ACT-71Ta bodypack transmitter is built on the experience and backbone of three generations of wireless products. The ACT-71Ta features a smaller package with improved RF circuitry, a lightweight magnesium alloy housing, premium low power consumption characteristics, backlit LCD display, silent on/off switch and 72 MHz of bandwidth. The Mipro ACT-71Ta is innovative and reliable, offering the premium performance needed by today's audio professionals.



ACT-71Ta Features

- Ultra-Wide bandwidth - 72 MHz.
- Durable lightweight miniature magnesium alloy body.
- High SPL input with proprietary "Photo-cell Coupling" dynamic range modulation circuitry.
- Backlit LCD displays working channel and battery status.
- Selectable impedance for different inputs.
- Sensitivity gain adjustment.
- Silent on/off switch with mute button and optional MJ-70 remote mute switch control.
- End user lockout function.
- Programmable RF power and audio gain levels.
- Mini-XLR connectivity with threaded bayonet attachment.
- Detachable belt clip.
- Mipro's world first ACT function, allowing rapid and precise transmitter frequency set-up.

Specifications

Oscillation Mode	PLL Synthesized
Carrier Frequency Range	UHF 482 - 698MHz (TV 16 - 51) Bands 5UA, 5US & 6UA
Bandwidth	72MHz
Channel Set-Up	Mipro ACT (Automatic Channel Targeting) IR Sync
RF Output Power	50mW or 10mW (switchable)
Spurious Emissions	<-55dBc
Peak Deviation	±68KHz
Max Input Level	0dBV
Sensitivity Gain Adjustment	-18dB, -12dB, -6dB, 0dB, +6dB, +12dB
Optional Headworn and Lavalier Microphones & Cables	MU53LX, MU53HNS, MU55LX, MU55HNS, Avlex HS/HSP Series, MU40GX Inst. Cable
Battery	AA Alkaline x 2
Battery Life	≥20 Hours (AAx2 Alkaline)
Dimensions	2.5" × 2.8" × 1.0" (63 x 70 x 26 mm)
Weight	2.7 oz. (78 g) excluding batteries