



MIPRO Wireless Systems



The Benefits of Digital (vs Analogue)

Analogue	Digital
Modulates continuous audio into carrier, no audio encryption possible	128-bit RC4-type secure audio transmission encryption, random code generated each time
Unavoidable compander noise	Trademarked DigitnamicPlus technology eliminates compander noise
Audio quality deteriorates with distance	Sound quality remains consistent over distance
Narrow transmitting bandwidth	Highly technical transmitting bandwidth for greater audio security
>0.5% T.H.D More interference problems	>0.03% T.H.D Greater resistance to interference
Standard operating range, with distance limitations	Superior operating range with greater distance capabilities
Slower transient response	Fast transient response
	24-bit audio quality for better reproduction of natural sound
Pre- and de-emphasis design: limits S/N ration, decreases high frequency response and increases distortion	No emphasis design used: retains ideal frequency response and greater S/N ratio
Narrow transmitting bandwidth	Highly technical transmitting bandwidth for greater security
Compression and expansion circuitry to increase dynamic range	Patented digital audio compression

Mipro ACT-82 Features

- Quick and easy 128-bit encryption method
- Fast channel set-up using AutoScan and ACT (Automatic Channel Targeting)
- Wordclock in/out for digital syncing
- PC-controllable software available for control and monitoring of systems
- Frequency range specifically engineered for UK coverage (split over several 32MHz windows) post 'Digital Dividend' spectrum sell-off in 2012
- Tuneable over each 32MHz window, three specially formulated frequency bands for UK coverage. Other bands available on request
- Full remote monitoring
- Analogue or AES digital audio output
- Compact 1U receiver with AC & DC power capabilities



Mipro ACT-8H Features

- Handheld transmitter audio quality comparable to wired microphones
- Reversible endcap to shield on/off switch and menu buttons
- 128-bit RC4-derived encryption generates random '1s' and '0s' coding in each session for secure audio transmission
- Cardioid and omni capsule options for a wide variety of applications
- Easily interchangeable microphone capsule and battery pack
- High-performance lithium-polymer battery provides 8-10 hours continuous use from a single charge
- Intelligent charger recharges both transmitter and spare battery simultaneously



Mipro ACT-8T Features

- Compact, lightweight design formed of rugged magnesium alloy
- Optional user-selectable lockout facility to shield on/off switch and menu buttons
- Switchable high/low power
- 128-bit RC4-derived encryption generates random '1s' and '0s' code in each session for secure audio transmission
- Fitted with industry-standard 3-pin LEMO connector
- Easily interchangeable battery pack and precision soft antenna
- High-performance lithium-polymer battery provides 8-10 hours continuous use from a single charge
- Intelligent charger recharges both transmitter and spare battery simultaneously