ACT-747B Narrowband Quad-Channel True Diversity Receiver

Key Features
- EIA standard 1U rack-mountable metal receiver.
- UHF PLL synthesized circuit ensures high stability and low spurious emissions.
- Enhanced RF circuitry greatly reduces interference and intermodulation.
- MIPRO’s 3rd generation advanced RF and IF circuitry to improve anti-interference characteristics and increase the number of interference-free channels available.
- Auto Scan function allows quick search for an interference-free working channel from 104 preset channels under 10 groups.
- World’s first ACT™ function provides precise and rapid frequency sync to the transmitters.
- True diversity receiving for best reception quality. Dual “PiloTone & NoiseLock” circuits minimize interference.
- Industry’s only full-color VFD screen delivers a bright, clear viewing in day or night environments with automatic bright (working) and dim (standby) displays during performance.
- All controls are intuitive and easily set up via a single rotary knob.
- Industry’s only RF interference warning indicator for proper adjustments of the SQ level. Increase sensitivity to extend receiving range; decrease the sensitivity to reduce interference.
- Single channel or mixed output, switchable between three output levels for the best sound quality options.
- High dynamic range and high fidelity characteristics for transparent audio performance.
- Receiver provides bias voltage for MIPRO antenna systems to enhance reception range and signal stability.
- MIPRO RCS.Net software allows real-time computer setup, control and monitoring.
- Built-in 100 – 240V AC switching power supply ensures system safety and stability.

Transmitters & Microphones

ACT-72H Narrowband Handheld Transmitter
ACT-72HC Rechargeable Narrowband Handheld Transmitter
ACT-72T Narrowband Bodypack Transmitter
ACT-72TC Rechargeable Narrowband Bodypack 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-70Wa Wideband Transmitting & Receiving Omni-directional Antenna
AT-90Wa Wideband Transmitting & Receiving Log Antenna
AT-100a Wideband Circularly Polarized Antenna
FBC-71 Rear-to-Front Cables

Technical Specifications

Frequency Range UHF 480 – 934 MHz
Bandwidth 24 MHz
Preset Frequency 104 preset channels.
Group 1 – 6: 6 compatible channels in each group
Group 7 – 8: 12 compatible channels in each group
Group 9 – 10: 16 compatible channels in each group
Receiving Mode True diversity
Receiving Antenna Rear Panel. Detachable.
Oscillation Mode PLL Synthesized
Stability ≤ ±0.005% (-10 ~+60℃)
Sensitivity 6 dBµV at S/N > 80 dB
S/N Ratio > 105 dB(A)
T.H.D. < 0.5% @ 1 kHz
Frequency Response 50Hz ~ 18kHz, with high-pass filter
Squelch “PiloTone & NoiseLock” dual-squelch circuit
Audio Output Output level accurately pre-adjusted to equal to the microphone capsule sensitivity.
Max. Output Level +16dBV / 0dBV / -6dBV
Output Connector Balanced XLR
Output Switch Single channel output or mixed output
Operation Manual or PC remote control via optional software
Power Supply Built-in 100 – 240 AC switching power
Power Consumption 24 W
Dimensions (W × H × D) 482 × 44 × 265 mm / 19 × 1.7 × 10.5"
Net Weight Approx. 3.4 kg / 7.5 lbs