ACT-545B Quad-Channel True Diversity Receiver

Key Features

- Red/green backlit LCD. Easy to identify working mode (green) and standby mode (red) during performance.
- Advanced RF and IF circuitry to improve anti-interference characteristics and increase the number of compatible channels.
- True diversity receiving for best reception quality. "PiloTone & NoiseLock" dual-squelch circuit minimizes interference.
- Auto Scan function allows quick search for an interference-free working channel. World’s first ACT™ function provides precise and rapid frequency sync to the transmitters.
- 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.
- All controls are intuitive and easily operated via electronic buttons to prevent accidental operation.
- Output level is pre-adjusted to equal the microphone capsule’s sensitivity. Switchable output levels for the best sound quality options.
- Receiver provides bias voltage for MIPRO antenna systems to enhance reception range and signal stability.

Transmitters

ACT-52H  Handheld Transmitter
ACT-52HC Rechargeable Handheld Transmitter
ACT-52T  Bodypack Transmitter
ACT-52TC Rechargeable Bodypack Transmitter

Accessories

AD-708  Wideband 4-Channel Auto Gain-Control Antenna Divider
AT-70  UHF Ground Plane Antenna
AT-70W / AT-70Wa  Wideband Transmitting & Receiving Omni-Directional Antenna
AT-90W / AT-90Wa  Wideband Transmitting & Receiving Log Antenna
AT-100 / AT-100a Wideband Circularly Polarized Antenna
FB-71  Rack Mount Kit
FB-72  Rack Mount Kit
FBC-71  Rear-to-Front Cables

Technical Specifications

- Frequency Range: UHF 480 - 934MHz
- Bandwidth: 24 MHz
- Preset Frequency:
  - 80 preset channels.
  - Group 1~10: 8 compatible channels in each group.
  - Group 11: Up to 8 user-defined channels can be saved & recalled.
- Receiving Mode: True Diversity
- Receiving Antenna: Rear Panel. Detachable.
- Oscillation Mode: PLL Synthesized
- Stability: $\leq \pm 0.005\%$ (-10 - +60 $^\circ$C)
- Deviation: $\leq \pm 40$ kHz
- Sensitivity: 6 dBµV at S/N > 80 dB
- S/N Ratio: $> 105$ dB(A)
- T.H.D.: $< 0.5\%$ @ 1 kHz
- Frequency Response: 50 Hz – 18 kHz, with high pass filter
- Squelch: "PiloTone & NoiseLock" dual-squelch circuit
- Audio Output Jack: Balanced XLR & Unbalanced 6.3 mm (1/4")
- Max. Output Level:
  - Balanced: $+16$ dBV / 0 dBV
  - Unbalanced: $+10$ dBV / 0 dBV
- Power Supply: 12 ~ 15V DC, 1A
- Dimensions (W × H × D): 420 × 44 × 225 mm | 16.5 × 1.7 × 8.9"
- Net Weight: Approx. 2.22 kg | 4.9 lbs

Specifications subject to change without notice. SS018/01