

ACT-515B Single-Channel 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. "PilotTone & 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
ACT-72HC	Rechargeable Handheld Transmitter
ACT-72TC	Rechargeable Bodypack Transmitter

Accessories

AD-707a	UHF Wideband 4-Channel Antenna Divider
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 – 934 MHz
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
Deviation	< ± 40 kHz
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	50 Hz – 18 kHz, with high pass filter
Squelch	"PilotTone & 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
Power Consumption	3.6 W
Dimensions (W × H × D)	210 × 44 × 180 mm 8.3 × 1.7 × 7.1 "
Net Weight	Approx. 0.85 kg 1.9 lbs



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Specifications subject to change without notice. SS018/01