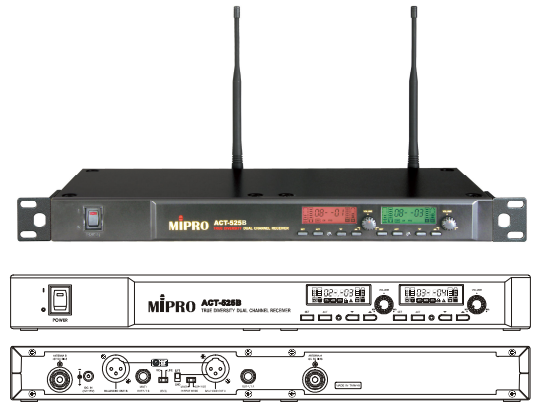


# ACT-525B Dual-Channel Diversity Receiver

## Key Features

- EIA standard 1U rack-mountable metal chassis.
- Stable PLL circuit. Auto Scan function allows quick search for an interference-free working channel from 80 preset channels under 10 groups. Up to 8 channels in group 11 can be saved and recalled within 961 user-defined frequencies.
- 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.
- Backlit LCD is lit in green when it detects an incoming signal or buttons are touched. Backlit LCD is lit in red when the receiver is idle for about 10 seconds. Easy to identify working mode (green) and standby mode (red) during performance.
- Balanced XLR / unbalanced 1/4 " audio output jack, output level switch and DC input are on the rear panel.
- 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.
- 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-70Wa	Wideband Transmitting & Receiving Omni-directional Antenna
AT-90Wa	Wideband Transmitting & Receiving Log Antenna
AT-100a	Wideband Circularly Polarized Antenna
FB-71	Rack Mount Kit
FB-72	Rack Mount Kit
FBC-71	Rear-to-Front Cables

## Technical Specifications

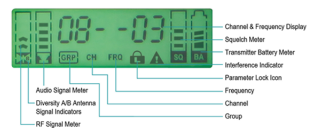
Frequency Range	UHF 480 - 934MHz
Bandwidth	24 MHz
Preset Frequency	80 preset channels. Group 1~10: 8 compatible channels in each group. Group 11: Up to 8 user-defined channels can be saved & recalled.
Receiving Mode	True Diversity
Receiving Antenna	Rear Panel. Detachable.
Oscillation Mode	PLL Synthesized
Stability	≤ ±0.005% (-10 - +60℃ )
Deviation	< ± 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 Adjustment	Output level accurately pre-adjusted to equal to the microphone capsule sensitivity.
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	6 W
Dimensions (W × H × D)	420 × 44 × 180 mm / 16.5 × 1.7 × 7.1 "
Net Weight	Approx. 1.65 kg / 3.6 lbs

## LCD Screen

Standby Mode (red)



Working Mode (green)



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Specifications subject to change without notice. SS017/06