

# ACT-311B Single-Channel Diversity Receiver

## Key Features

- EIA standard 1/2U metal rack-mountable receiver.
- Stable PLL circuit. Auto Scan function allows quick search for an interference-free working channel from 112 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.
- Advanced diversity technology for optimum reception range reduces signal dropouts and the "PilotTone & NoiseLock" dual-squelch circuits prevent noise interference.
- Backlit LCD is lit in green indicates the receiver is in working mode when it detects an incoming signal or buttons are touched. The display dims automatically when the receiver is idle for about 10 seconds.
- Balanced XLR / unbalanced 1/4" audio output jack, output level switch and DC input are on the rear panel. One mixed-output switch is available for dual-channel receivers.
- 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 for booster where MIPRO antenna systems can be added for extended receiving range and stability.
- DC input jack accepts 12~15V power supply.

## Transmitters

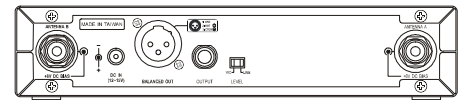
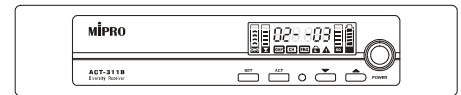
<b>ACT-33H</b>	Handheld Transmitter
<b>ACT-32H</b>	Handheld Transmitter
<b>ACT-32HC</b>	Rechargeable Handheld Transmitter
<b>ACT-32T</b>	Bodypack Transmitter
<b>ACT-32TC</b>	Rechargeable Bodypack Transmitter

## Accessories

<b>AD-707a</b>	UHF Wideband 4-Channel Antenna Divider
<b>AD-708</b>	Wideband 4-Channel Auto Gain-Control Antenna Divider
<b>AT-70</b>	UHF Ground Plane Antenna
<b>AT-70Wa</b>	Wideband Transmitting & Receiving Omni-directional Antenna
<b>AT-90Wa</b>	Wideband Transmitting & Receiving Log Antenna
<b>AT-100a</b>	Wideband Circularly Polarized Antenna
<b>FB-71</b>	Rack Mount Kit
<b>FB-72</b>	Rack Mount Kit
<b>FBC-71</b>	Rear-to-Front Cables

## Technical Specifications

Frequency Range	UHF 480 – 934 MHz
Bandwidth	24 MHz
Preset Frequency	112 preset channels. Group 1-6: 8 compatible channels in each group. Group 7-10: 16 compatible channels in each group. Group 11: Up to 8 channels can be saved & recalled. 961 user-defined frequencies in group 11.
Receiving Mode	Diversity
Receiving Antenna	Rear Panel. Detachable.
Oscillation Mode	PLL Synthesized
Stability	≤ ±0.005% (-10 - +60°C )
Sensitivity	10 dBμV at S/N > 80 dB
S/N Ratio	> 106 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 Adjustment	Output level accurately pre-adjusted to equal to the microphone capsule sensitivity.
Max. Output Level	Balanced: +16 dBV / 0 dBV ; Unbalanced: +10 dBV / 0 dBV
Power Supply	12 – 15 V DC, 1A
Power Consumption	3 W
Dimensions (W × H × D)	210 × 44 × 180 mm / 8.3 × 1.7 × 7.1 "
Weight	Approx. 0.8 kg / 1.8 lbs



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