

# ACT-312B Dual-Channel Diversity Receiver

## Key Features

- CPU-controlled diversity receiving. "PiloTone & NoiseLock" dual-squelch circuit eliminates signal drop-out and minimizes interference.
- All controls are intuitive and easily operated via electronic buttons to prevent accidental operation.
- 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.
- 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.
- 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

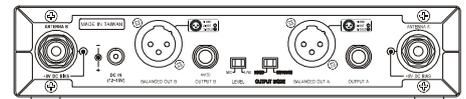
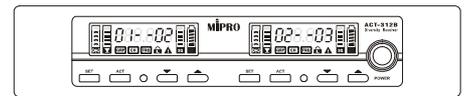
ACT-33H	Handheld Transmitter
ACT-32H	Handheld Transmitter
ACT-32HC	Rechargeable Handheld Transmitter
ACT-32T	Bodypack Transmitter
ACT-32TC	Rechargeable Bodypack Transmitter

## 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 – 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.
Receiving Mode	Diversity
	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
Squelch	"PiloTone & NoiseLock" dual-squelch circuit
Max. Output Level	Balanced: 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 x 1.7 x 7.1 "
Weight	Approx. 0.95 kg   2.1 lbs



## MIPRO Electronics Co., Ltd

Headquarters: 814 Pei-kang Road, Chiayi, 60096, Taiwan  
 Tel: +886.5.238.0809 | Fax: +886.5.238.0803  
 www.mipro.com.tw | mipro@mipro.com.tw