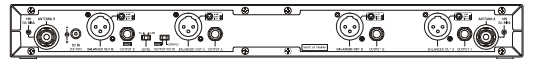


# ACT-545B Quad-Channel True Diversity Receiver

## 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

|                 |                                   |
|-----------------|-----------------------------------|
| <b>ACT-52H</b>  | Handheld Transmitter              |
| <b>ACT-52HC</b> | Rechargeable Handheld Transmitter |
| <b>ACT-52T</b>  | Bodypack Transmitter              |
| <b>ACT-52TC</b> | Rechargeable Bodypack Transmitter |

## Accessories

|                         |  |
|-------------------------|--|
| <b>AD-708</b>           | Wideband 4-Channel Auto Gain-Control Antenna Divider       |
| <b>AT-70</b>            | UHF Ground Plane Antenna                                   |
| <b>AT-70W / AT-70Wa</b> | Wideband Transmitting & Receiving Omni-directional Antenna |
| <b>AT-90W / AT-90Wa</b> | Wideband Transmitting & Receiving Log Antenna              |
| <b>AT-100 / 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 - 934MHz  |
| Bandwidth              | 24 MHz  |
| Preset Frequency       | 80 preset channels.<br>Group 1~10: 8 compatible channels in each group.<br>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°C )  |
| 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  |
| 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   |



## 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