

# ACT-Series Wireless Microphone Systems

A World of Wireless Experience at Your Fingertips



**MIPRO**  
*Wireless Innovators*

**MIPRO** is one of the industry's leading manufacturers of innovative wireless microphone systems. Therefore, it is no accident that its ACT series boasts many unique, performance-enhancing features.

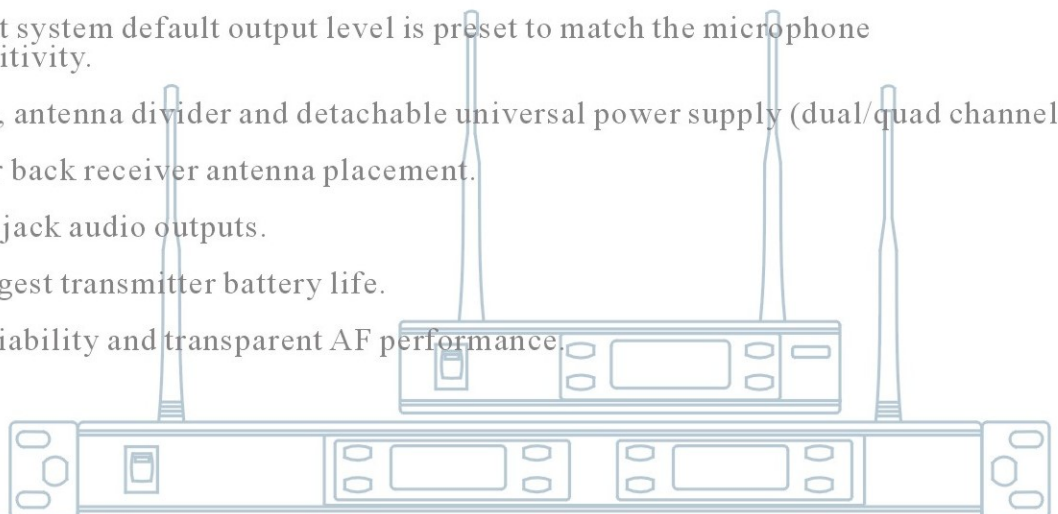
No other brand can match the innovative features of MIPRO's AutoScan and ACT technology which provide the easiest channel set-up in the industry. In addition, the series includes the industry's only color LCD display in wireless receivers for bright and clear status indication.

ACT systems are built to handle tough conditions, deliver superb AF performance and RF reliability, meaning that they can confidently be used in a wide variety of professional venues and applications.

MIPRO, the Wireless Innovators.

## ACT-Series Common Features & Benefits

- UHF PLL systems in rack mountable 1/2-rack & 1-rack metal receivers.
- Available in single, dual or quad channel version.
- True diversity reception for extended and reliable transmission.
- Industry's first AutoScan and ACT features for easiest and fastest channel set-up.
- Dual "Pilotone & NoiseLock" protection circuitry deters interference.
- Industry's first system default output level is preset to match the microphone capsule's sensitivity.
- Built in mixer, antenna divider and detachable universal power supply (dual/quad channels)
- Allow front or back receiver antenna placement.
- XLR and 1/4" jack audio outputs.
- Industry's longest transmitter battery life.
- Superb RF reliability and transparent AF performance.



# ▶ Standard Models

## ACT-707SE

UHF Single-Channel Diversity Receiver

## ACT-707DE

UHF Dual-Channel True-Diversity Receiver



## ▶ Standard Models

- 16 automatic scannable frequencies per band.
- Up to 16 preset compatible systems per band.
- LED channel display.
- Industry's only Noise indicator to detect when receiver is being interfered and squelch control to eliminate it. (ACT-707SE)
- Front panel RF and AF level indicators
- Low transmitter battery warning indicator.
- Rugged plastic transmitter housings.
- 2-3 longer in battery hours versus competitors.

## ▶ Handheld Transmitter

- ACT-707HE Handheld Transmitter

## ▶ Bodypack Transmitter

- ACT-707TE BodyPack Transmitter



# ► Professional Models

**ACT-707S**  
UHF Single-Channel  
True-Diversity Receiver

**ACT-707D**  
UHF Dual-Channel  
True-Diversity Receiver

**ACT-707**  
UHF Four-Channel  
True-Diversity Receiver



## ► Professional Models

- 100 automatic scanable frequencies per band.
- Up to 16 preset compatible systems per band. More with multiple bands.
- The industry's only innovative color LCD display for easy-to-read and clear visibility.
- User-friendly programmable menu: User's name, Group/Channel, Frequency, Transmitter battery status, Squelch level, RF & AF meters, Address & Lock function.
- Comprehensive computer software capable of controlling 16 sets of receivers, for a total of 64 simultaneous wireless channels. Includes full spectrum analysis and individual channel signal management and monitoring.
- 1RU chassis with each receiver able to be hot swappable. (ACT-707)
- Transmitter LCD displays Group, Channel, Battery meter status and error code.
- Rugged transmitter plastic housings (ACT-707H/T) and robust magnesium-alloy housing (ACT-707HM/TM).
- 2-3 longer in battery hours versus competitors.

## ► Handheld Transmitters

- ACT-707HM Handheld Transmitter
- ACT-707H Handheld Transmitter

## ► Bodypack Transmitters

- ACT-707TM BodyPack Transmitter
- ACT-707T BodyPack Transmitter

ACT-707HM

ACT-707H

ACT-707TM

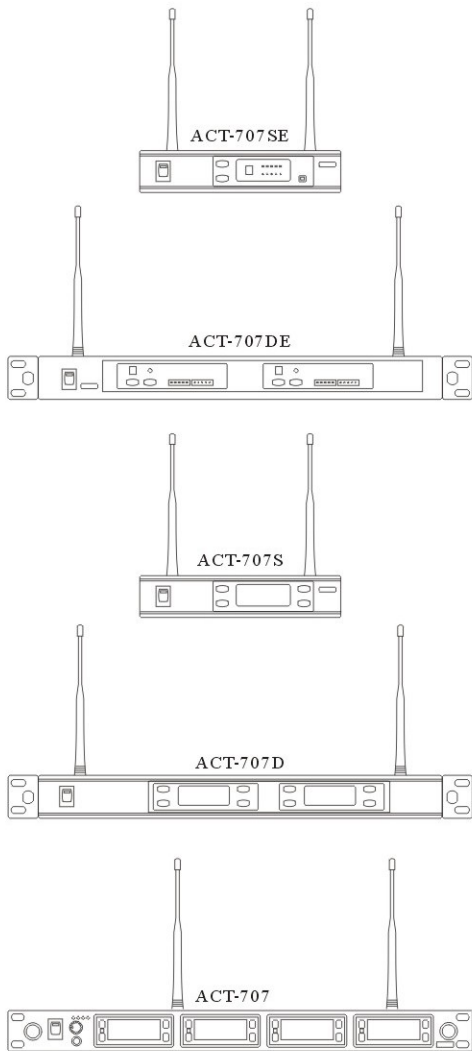
ACT-707T





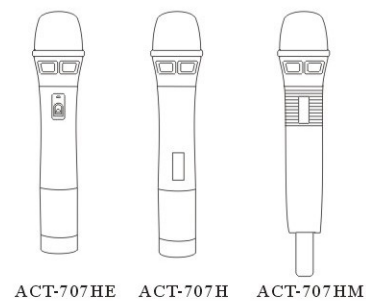
# ► Specifications

## ► Diversity Receivers

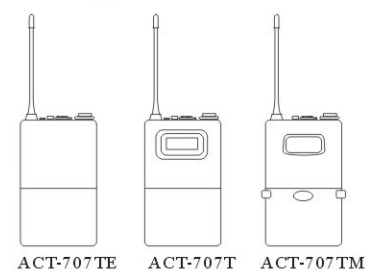


<b>Frequency</b>	UHF 620~950MHz
<b>Stability</b>	±0.005%(-10~50°C)
<b>Bandwidth</b>	24MHz
<b>Sensitivity</b>	6 dB $\mu$ V, at S/N>80dB, 40KHz deviation
<b>Max. Deviation Range</b>	±68KHz, with level limiting
<b>S/N Ratio</b>	>105dB(A)
<b>T.H.D.</b>	<0.5%@1KHz
<b>Frequency Response</b>	50Hz~18KHz±3dB, with high-pass filter
<b>Maximum Output Level</b>	MIC-Level: -20dBV/100 $\Omega$ , LINE-Level: -4dBV/5K $\Omega$
<b>AC Power Supply</b>	
• ACT-707SE	External 90~264VAC switching power supply
• ACT-707DE	Integrated 90~264VAC switching power supply
• ACT-707S	External 90~264VAC switching power supply
• ACT-707D	Integrated 90~264VAC switching power supply
• ACT-707	Built-in detachable 90~264VAC switching power supply
<b>DC Power Supply</b>	
• ACT-707SE	0.5A, 12~15VDC
• ACT-707DE	1A, 12~15VDC
• ACT-707S	0.5A, 12~15VDC
• ACT-707D	N/A
• ACT-707	4A, 12~15VDC
<b>Dimensions</b>	(W) x (H) x (D)
• ACT-707SE	210 x 44 x 206 mm / 8 x 1.7 x 8.1"
• ACT-707DE	420 x 44 x 204 mm / 16 x 1.7 x 8.0"
• ACT-707S	210 x 44 x 206 mm / 8.26 x 1.73 x 8.11"
• ACT-707D	420 x 44 x 206 mm / 16 x 1.7 x 8.1"
• ACT-707	482 x 44 x 240 mm / 16 x 1.7 x 9.5"
<b>Weight</b>	
• ACT-707SE	0.9 kg / 2.0 lbs
• ACT-707DE	2.5 kg / 5.5 lbs
• ACT-707S	1.0 kg / 2.2 lbs
• ACT-707D	3.0 kg / 6.6 lbs
• ACT-707	4.2 kg / 9.3 lbs
<b>Note</b>	Varied specifications on carrier frequency range and maximum deviation to comply regulation of different countries

## ► Handheld Transmitters



## ► Bodypack Transmitters



Specifications	Models	
	Handheld Transmitters	Bodypack Transmitters
<b>Bandwidth</b>	24MHz	
<b>Output Power</b>	10~30mW(pending local regulations)	
<b>Spurious Rejection</b>	<-55dBc	
<b>Max. Deviation</b>	±68KHz, with compandor, and level limiting	
<b>Max. Input Level</b>	148dB SPL	0dBV
<b>Microphone Capsule</b>	MU-78 / 38	MIPRO MU-53L / 55L lavalier and MU-53HN / 55HN headset condenser microphones.
<b>Input Connector</b>	N/A	4-pin Mini XLR
<b>Battery</b>	ACT-707HE: 9V x 1 ACT-707H: AA x 2 ACT-707HM: AA x 2	ACT-707TE: 9V x 1 ACT-707T: AA x 2 ACT-707TM: AA x 2
<b>Dimensions</b>	(Dia) x (L)	(W) x (H) x (D)
	ACT-707HE: 50 x 235 mm 1.96 x 9.25"	ACT-707TE: 63 x 105 x 21 mm 2.48 x 4.13 x 0.82"
	ACT-707H: 50 x 235 mm 1.96 x 9.25"	ACT-707T: 63 x 105 x 21 mm 2.48 x 4.13 x 0.82"
	ACT-707HM: 50 x 265 mm 1.96 x 10.43"	ACT-707TM: 66 x 105 x 25 mm 2.59 x 4.13 x 0.98"
<b>Weight</b>	ACT-707HE: 240 g / 8.46 oz ACT-707H: 250 g / 8.81 oz ACT-707HM: 330 g / 11.63 oz	ACT-707TE: 85 g / 2.99 oz ACT-707T: 95 g / 3.35 oz ACT-707TM: 145 g / 5.11 oz
<b>Patents &amp; Approvals</b>	Products carry various and comply with telecommunication and safety regulations	
<b>Note</b>	Varied specifications on carrier frequency range and maximum deviation to comply regulation of different countries	

# ▶ ACT Accessories



ACT-707SD

UP to 64 channels can be PC-controlled & monitored.

Performer individual screen.

All functions on a single computer screen.

MIPRO DVU

RJ-11

ACT-707M

AT-70

AT-70B

AT-90R

AD-707

FBC-71

FB-71

FB-72

MU-53L

MU-55L  
MU-55LS

MU-55HN

MU-53HN  
MU-53HNS

RH-77

RH-77M

## ACT-707SD

- PC-controllable software.

## PC interface Accessories

- MIPRO DVU
- RJ-11: Network Cables

## ACT-707M

- Color LCD Receiver Module

## AT-70

- UHF extension antenna.

## AT-70B

- UHF antenna boosters.

## AT-90R

- UHF Wideband Active Directional Antenna

## AD-707

- UHF 4-channel Antenna Divider System.

## FBC-71

- Rear-to-front cables. (1-pair)

## FB-71

- Rackmount kit for single ACT-707SE / ACT-707S receiver alone.

## FB-72

- Rackmount kit for dual ACT-707SE / ACT-707S receivers side-by-side or single ACT-707DE / ACT-707D alone.

## Lavalier Mics

- MU-53L: Miniature, 10mm, uni-directional.
- MU-55L/MU-55LS: Subminiature, 4.5mm, omni-directional

## Headworn Mics

- MU-55HN: Subminiature, 4.5mm, omni-directional.
- MU-53HN/MU-53HNS: Miniature, 10mm, uni-directional.

## RH-77

- A set of 10 different color rings for channel ID (ACT-707HE/H)

## RH-77M

- A set of 10 different color caps for channel ID (ACT-707HM)



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