

2. ACT-Series

ACT Series: PLL Synthesized Wireless Microphone Systems

Increasing market competition among world wireless manufacturers leads rapid change on design of wireless microphones. In circuitry design, it changes from simple VHF fixed frequency to UHF PLL synthesized switchable frequencies. And, in control panel, it evolves from simple LED indicator to multi-function LCD panel. Thus, MIPRO decides to create the trend and lead the market by developing ACT-series that has the most advanced design, perfect quality and the most attractive price for applications on stage performance and audio installation.

A1 - Standard Models

ACT-707DE UHF LED Dual-Channel True-Diversity Receiver



ACT-707SE UHF LED Single-Channel Diversity Receiver








★ Main Features :

1. ACT-707SE adopts international EIA-standard 19/2" half-rack metal frame with built-in single-channel receiver module and ACT-707DE adopts international EIA-standard 19" full-rack metal frame with built-in dual-channel receiver modules which present professional quality of toughness, heat-resistance, and shielding of spurious emission.
2. Dedicated LED display panel is clearer and more definite in displaying channel, RF and AF signal strength than conventional mono-LCD panel, and allows users for easier identification and operation.
3. Noise indicator on ACT-707SE control panel is the first in the market to clearly display if a receiver is under the state of interference.
4. Adopts UHF PLL-synthesized diversity receiving with Pilotone and NoiseLock dual-squelch control not only ensure longer operation range, but also eliminate signal dropouts, unstable receiving, and avoid noise interference from karaoke machines, PC and DVD players.
5. There is a [SCAN] button on front panel that just one-press on the button will auto scans the 16 preprogrammed interference-free channels and locks at one working channel that is free from interference.
6. Features world's first "ACT" button on front panel that just one-press on the button will automatically locks the transmitter into the same working channel and will never had possible errors or mechanical breakdowns.
7. The first wireless system with output level accurately pre-adjusted equals to the microphone capsule sensitivity so that users don't need to make any adjustment and still to obtain the optimal setup on output level and dynamic range.
8. Built-in universal switching power supply that ensures AC power keeping receiver's stable operation under 90~264V AC voltage.
9. These models are the easiest in operation, the most convenient in installation, the most stable, user friendly and the most affordable wireless microphone systems among ACT-series.
10. Matching to standard model ACT-707HE handheld wireless microphone and ACT-707TE body pack transmitter; Premium model ACT-707H & ACT-707T with LCD display and uses 2 AA batteries are also available; If no budget restriction, you can choose professional magnesium alloy models ACT-707HM & ACT-707TM which will bring you unbeatable and high level of vocal performance.
11. Products carry various patents and comply with worldwide and domestic telecommunication and safety regulations.

2. ACT-Series

★ Main Specifications:

Model Numbers	ACT-707SE	ACT-707DE	ACT-707S	ACT-707D	ACT-707
Pictures					
Main Frame Size	EIA standard 1/2-rack unit	EIA standard 1-rack unit	EIA standard 1/2-rack unit	EIA standard 1-rack unit	
Channels	Single-channel	Dual-channel	Single-channel	Dual-channel	Four-channel
Main Frame Construction	Metal frame, plastic panel				All in metal
Receiver Module	Fixed				Hot swapped
Display Status	LED indicator displays channel and RF/AF metering.		Color LCD panel displays RF/AF and diversity metering, transmitter battery fuel gauge. Allows manual setting of Group, Channel, Frequency, Performer's Name, Squelch level, Mute On/Off and Address.		
Oscillation mode	PLL synthesized				
Stability	±0.005%(-10~50°C)				
Carrier Frequency Range	UHF 620~950MHz				
Bandwidth	25MHz				
Frequency Interval	125KHz		125KHz, 100KHz, 50KHz, 25KHz		
Switchable Frequencies	201		201 , 251 , 501 , 1001		
Preset Frequencies	Preset 16 interference free frequencies		Preset 100 frequencies in 9 interference free groups		
Operation Mode	Manual operation		Manual and PC remote control operation		
Frequency Setup	A simple one-press on "SCAN" button, it will automatically scan full frequency band and locks at non-interference channel. Just one-press on the "ACT" button, it will automatically lock the transmitter into the same working frequency, avoiding possible errors or mechanical breakdowns.				
Receiving Mode	Diversity receiving	True-diversity receiving			
Sensitivity	6 dBµV, at S/N>80dB, 40KHz deviation				
Max. Deviation Range	±68KHz, with level limiting				
S/N Ratio	>105dB(1KHz-A)				
T.H.D.	<0.5% @ 1KHz				
Frequency Response	50Hz~18KHz±3dB, with high-pass filter				
Maximum Output level	MIC-LEVEL: -20dBV/100Ω, LINE-LEVEL: -4dBV/5KΩ.				
Output Connectors	XLR balanced & 6.3φ phone jack unbalanced. Multi-channel system can switch between separate or mixed output.				
Audio Output Adjustment	The world's first wireless system with output level accurately pre-adjusted to equal to the microphone capsule sensitivity and ensure optimal performance.				
Squelch	Innovative " PiloTone & NoiseLock" dual-squelch circuit.				
Squelch Adjustment	Adjust from front panel	Adjust from rear panel	Adjust from front panel		
Squelch Adjustment Display	Equip with LED "Noise" Indicator	N/A	Display from color LCD panel		
AC Power Supply	External 90~264VAC switching power supply	Integrated 90~264VAC switching power supply	External 90~264VAC switching power supply	Integrated 90~264VAC switching power supply	Built-in detachable 90~264V AC switching power supply
DC Power Supply	0.5A , 12~15VDC	1A , 12~15VDC	0.5A , 12~15VDC	N/A	4A , 12~15VDC
Dimension (m/m) (L x H x D)	210×44×206	420×44×204	210×44×206	420×44×204	482×44×240
Weight (kg)	0.9	2.5	1.0	3.0	4.2
Matching Transmitter	Matching to standard/premium models ACT-707HE / ACT-707H handheld wireless microphone and ACT-707TE / ACT-707T body pack transmitter.		Matching to premium/professional models ACT-707H / ACT-707HM handheld wireless microphone and ACT-707T / ACT-707TM body pack transmitter.		
Patents & Approvals	Products carry various patents and comply with telecommunication and safety regulations				
Note	Varied specifications on carrier frequency range and maximum deviation to comply regulation of different countries.				