

WIRELESS MICROPHONE SYSTEM

Microphone systems intended for use in wireless applications.



COMPANY	MODEL	MSRP	ELEMENT TYPE	PICKUP PATTERN	TRANSMITTER CONFIGURATION	FREQUENCY RESPONSE	EQUIVALENT NOISE LEVEL (A-WEIGHTED)
AKG Acoustics www.akg.com	WMS 40 PRO DUAL Vocal	N/A	Dynamic	Cardioid	Handheld	40 to 20,000 Hz	N/A (all models)
	WMS 40 PRO FLEXX Vocal	N/A	Dynamic	Cardioid	Handheld	40 to 20,000 Hz	
	WMS 400/HT/D880	\$756	Dynamic	Supercardioid	Handheld	35 to 20,000 Hz	
	WMS 400/PT/420	\$908	Condenser	Cardioid	Miniature bodypack with headset	35 to 20,000 Hz	
	WMS 4000/880	\$1,423	Dynamic	Supercardioid	Handheld	35 to 20,000 Hz	
	WMS 4000/20	\$1,520	Condenser	Cardioid	Bodypack with headset	35 to 20,000 Hz	
Audio-Technica www.audio-technica.com	5000 Series	\$3,119 to \$4,719	Condenser or dynamic	Condenser handhelds available with cardioid; dynamic handhelds available with cardioid or hypercardioid	Handheld bodypack (all models)	70 Hz to 15 kHz	N/A (all models)
	4000 Series	\$959 to \$1,799	Condenser or dynamic	Condenser handhelds available with cardioid; dynamic handhelds available with cardioid or hypercardioid		70 Hz to 15 kHz	
	3000 Series	\$699 to \$799	Dynamic	Cardioid		70 Hz to 15 kHz	
	2000 Series	\$429 to \$499	Dynamic	Cardioid		70 Hz to 15 kHz	
Audix www.audixusa.com	W3-0M3	\$799	Dynamic	Hypercardioid	Handheld	50 Hz to 16 kHz	N/A (all models)
	W3-HT5	\$999	Electret condenser	Omnidirectional	Headset	20 Hz to 20 kHz	
	W3-ADX10	\$799	Electret condenser	Cardioid	Lavalier	50 Hz to 18 kHz	
	W3-0M5	\$859	Dynamic	Hypercardioid	Handheld	48 Hz to 19 kHz	
Azden www.azden.com	511HTH	\$735	Electret condenser	Cardioid	Handheld	50 Hz to 15 kHz (all models)	95 dB (all models)
	511LTH	\$720	Electret condenser	Omnidirectional	Lavalier		
	511XTH	\$755	Dynamic	N/A	Plug-in		
	411XT	\$665	Dynamic	N/A	Plug-in		
	411LT	\$625	Electret Condenser	Omnidirectional	Lavalier		
Lectrosonics www.lectrosonics.com	UT400VM	\$1,607	Electret condenser (all models)	Cardioid (all models)	Handheld	80 Hz to 20 kHz (± 1 dB)	-120 dBV
	LM	\$665			Beltpack	90 Hz to 20 kHz (± 1 dB)	-120 dBV
	UM400	\$1,250			Beltpack	32 Hz to 20 kHz (± 1 dB)	-120 dBV
	SM	\$1,650			Beltpack	90 Hz to 20 kHz (± 1 dB)	-125 dBV
	UH400A	\$1,090			XLR plug-on	90 Hz to 20 kHz (± 1 dB)	-118 dBV
Sabine www.sabine.com	Smart Spectrum SWM7113-H-U-M1	\$1,299.99	Dynamic	Hypercardioid	Handheld	System: 20 Hz to 20 kHz; capsule: 50 Hz to 18 kHz (all models)	N/A (all models)
	Smart Spectrum SWM7119-H-U-M1	\$1,499.99	Condenser	Cardioid	Handheld		
	Smart Spectrum SWM7173-W-U-M1	\$1,404.99	Electret condenser	Cardioid	Headworn		
	Smart Spectrum SWM7131-L-U-M1	\$1,299.99	Electret condenser	Cardioid	Lavalier		
Samson www.samson.com	AX1/CR77 + Q7 Handheld	\$374.99	Dynamic	N/A	Handheld plug-in	N/A (both models)	N/A (both models)
	AH1-Qv/CR77 Vocal Headset	\$484.99	Electret condenser	Hypercardioid	Headset		
Sennheiser www.sennheiserusa.com	freePORT fp35	\$499	Dynamic (both models)	Cardioid (both models)	Handheld	80 Hz to 16 kHz	Greater than or equal to 95 dB(A) Greater than or equal to 110 dB(A)
	EW135G2	\$835			Handheld (both models)	40 Hz to 18kHz	
Shure www.shure.com	Handheld Systems	\$3,043.20 to \$3,295.20	Condenser or dynamic	Cardioid (UR2/Beta87A is supercardioid)	Handheld	40 to 18,000 Hz, ±3 dB (all models)	Less than -90 dBV, squelched (all models)
	Dual Handheld Systems	\$5,068.80 to \$5,572.80	Condenser or dynamic	Cardioid (UR24D/BETA87A is supercardioid)	Handheld		
	Body Pack Systems	\$2,911.20	N/A	Depends on headworn or lavalier mic used	Headworn or lavalier		
	Dual Body Pack Systems	\$4,804.80	N/A	Depends on headworn or lavalier mic used	Headworn or lavalier		
	Combo Systems	\$3,919.20 to \$4,171.20	Condenser or dynamic	Cardioid (UR1245/BETA87A is supercardioid)	Handheld		
	Dual-Channel Combo	\$6,820.80 to \$7,324.80	Condenser or dynamic	Cardioid (UR124D/BETA87A is supercardioid)	Handheld		
Sony www.sony.com/proaudio	UWP-C1	\$699 (all models)	Electret condenser	Omnidirectional	Lavalier	50 Hz to 18 kHz	N/A (all models)
	UWP-C2		Dynamic	Unidirectional	Handheld	100 Hz to 18 kHz	
	UWP-C3		N/A	N/A	Plug-on	50 Hz to 18 kHz	
	UWP-S1		Electret condenser	Unidirectional	Lavalier	50 Hz to 18 kHz	
	UWP-S2		Dynamic	Unidirectional	Handheld	100 Hz to 18 kHz	
	UWP-X1		Electret condenser	Unidirectional	Lavalier	50 Hz to 18 kHz	
UWP-X2	Dynamic	Unidirectional	Handheld	100 Hz to 18 kHz			
Telex www.telex.com	FMR-500L	\$690	Electret condenser	Omnidirectional	Lavalier	50 Hz to 15 kHz (± 2 dB)	N/A (all models)
	FMR-500E	\$920	Electret condenser	Omnidirectional	MiniMic headworn	50 Hz to 15 kHz (± 2 dB)	
	FMR-500HD	\$645	Dynamic	Supercardioid	Handheld	50 Hz to 15 kHz (± 2 dB)	
	FMR-1000L	\$1,420	Electret condenser	Omnidirectional	Lapel	30 Hz to 15 kHz (± 2 dB)	
	FMR-1000HD	\$1,370	Dynamic or condenser	Supercardioid	Handheld	100 Hz to 15 kHz (± 2 dB)	
	SAFE-1000HD	\$2,000	Dynamic or condenser	Supercardioid	Handheld	N/A	



FIXED FREQUENCY OR FREQUENCY AGILE	BATTERY TYPE AND QUANTITY	SINGLE ANTENNA OR DIVERSITY	RANGE (in feet)	TYPICAL BATTERY LIFE (in hours)	FEATURES
Fixed, seven frequencies Three-channel-selectable, three bands Agile, 650 to 710 MHz, two bands Agile, 650 to 710 MHz, two bands Agile, 650 to 790 MHz, four bands Agile, 650 to 790 MHz, four bands	(1) AA (1) AA (1) AA (1) AA (2) AA (2) AA	Single Diversity Diversity Diversity Diversity Diversity	N/A (all models)	30+ 30+ 8 8 15 15	Optional CU400 recharging station, two receivers in 1/2-rack unit Optional CU400 recharging station, all-metal 1/2-rack receiver case Optional CU400 recharging station, battery life indicator, uses WMS4000 antenna options Optional CU400 recharging station, battery life indicator, uses WMS4000 antenna options Optional CU4000 recharging station, battery life indicator, networkable Optional CU4000 recharging station, battery life indicator, networkable
541.500 to 566.375 MHz, 655.500 to 680.375 MHz 541.500 to 566.375 MHz, 655.500 to 680.375 MHz 541.500 to 566.375 MHz, 655.500 to 680.375 MHz 656.125 to 678.500 MHz	(2) AA (all models)	Diversity (all models)	300 (all models)	Bodypack: 8 (high), 10 (low); handheld: 6 (high), 8 (low) Bodypack: 8 (high), 10 (low); handheld: 6 (high), 8 (low) 6 (high), 8 (low) 9	Onboard Ethernet interface, dual compander circuitry, IntelliScan feature IntelliScan feature, dual compander circuitry, links and coordinates multiple receiver channels Automatic frequency scanning, 200 PLL-synthesized channels per band, selects best signal from two independent receiver sections Automatic frequency scanning, all 10 user-switchable channels are compatible with multiple systems, selects best signal from two receiver sections
638 to 814 MHz (all models)	(2) AA (all models)	True diversity (all models)	800+ (all models)	14 to 16 (all models)	50 mW output from transmitters (all models)
63-channel frequency agile, 793.875 to 805.875 MHz (all models)	(2) AA (1) 9 V (1) 9 V (1) 9 V (1) 9 V	Diversity (all models)	300 (all models)	6 to 8 (all models)	1/2-rack, uses 51HT 1/2-rack, uses 51BT/EX-503 1/2-rack, uses 51XT Tabletop, uses 51XT Tabletop, uses 51BT
Frequency agile, 256 frequencies over 25.5 MHz, nine blocks available (all models)	(1) 9 V (1) 9 V (1) 9 V (1) AA (1) 9 V	N/A (all models)	1,000+ 750+ 1,000+ 1,000+ 1,000+	3.5 6 5 5 4.5	Vari-mic capsule, 100 mW RF output, digital hybrid technology Digital hybrid technology, compatibility emulation modes Digital hybrid technology, compatibility emulation modes, variable high-pass filter Digital hybrid technology, compatibility emulation modes, splash-proof Digital hybrid technology, compatibility emulation modes, locking XLR connector
Frequency agile, 2,400 to 2,483 MHz (all models)	(2) AA (all models)	Diversity (all models)	330 (all models)	12 (all models)	Uses 2.4 GHz band, built-in signal processing including FBX Feedback Exterminator (all models)
Fixed (both models)	(1) AAA (both models)	N/A (both models)	300 (both models)	14 (both models)	Includes Q7 microphone N/A
Fixed, four-channel selectable Frequency agile, 518 to 554 MHz, 626 to 662 MHz, and 740 to 776 MHz	(1) 9 V (2) AA	Diversity True diversity	N/A (both models)	10 8	EW connector on belt-pack transmitters, balanced XLR and unbalanced 1/4-inch outputs AutoScan, pilot tone squelch, up to 20 systems per range
UHF-R, UHF, UHX, SLX, PGX, UC, and UP systems are frequency agile Performance Gear, T Series, and VP systems are fixed frequency (all models)	(2) AA alkaline or rechargeable in UR1 and UR2; 90 to 230 VAC, 50/60 Hz in UR4S and UR4D	Diversity Dual diversity Diversity Dual diversity Diversity Dual diversity	N/A (all models)	8 typical, 10 mW set (all models)	UHF-R automates setup and control operations 2,400 selectable frequencies across 60 MHz of bandwidth with up to 40 simultaneous compatible systems per band 2,400 selectable frequencies across 60 MHz of bandwidth with up to 40 simultaneous compatible systems per band Patented audio reference companding Patented audio reference companding Patented audio reference companding
188 frequencies, 758 to 782 MHz or 782 to 806 MHz (all models)	(2) AA (all models)	Diversity (all models)	300 (all models)	6 (all models)	Diversity PLL-synthesized system with tone squelch (all models)
28 MHz bands, 614 to 724 MHz 28 MHz bands, 614 to 724 MHz 28 MHz bands, 614 to 724 MHz 24 MHz bands, 614 to 746 MHz 24 MHz bands, 614 to 746 MHz 24 MHz bands, 614 to 746 MHz	(1) 9 V (all models)	Diversity, phase (all models)	900 900 900 1,200 1,200 900	8 8 8 7 7 6	One Touch ClearScan, combination squelch, rack hardware One Touch ClearScan, combination squelch, rack hardware One Touch ClearScan, combination squelch, rack hardware Advanced ClearScan, combo squelch, selectable Advanced ClearScan, combo squelch, selectable Encrypted, ClearScan, digital Tx power