

Wireless Microphones

By George Petersen

Engineers often talk about classic gear, yet wireless never enters the “good old days” conversation. There is little charm in the sonic nuances of vintage 49 MHz units, unless you also use your belt-pack transmitter as a garage door opener. Besides, with the FCC’s unending sales of “unused” spectra, what was fine a couple years ago could present legal (or at least operational) problems nowadays. With that in mind, we decided to look at some current top-end wireless mic systems for pro applications.

AKG WMS4500



Frequency Bands: 500.1-530.5, 570.1-600.5 MHz
Transmitters: HT450 handheld; PT4500 bodypack,
Interchangeable HH Capsules: Yes
Batteries/Life: (2) AA; 15 hours
RF Output: 50 mW
Receiver: SR4500; 1-channel, half-rack
Audio Outs: XLR, 1/4" analog
Software: Audio Architect

akg.com

Audio-Technica 5000 Series (Third Generation)



Frequency Band: 470-607 MHz
Transmitters: ATW-T5202 handheld; ATWT5201 bodypack
Interchangeable HH Capsules: Yes
Batteries/Life: (2) AA; 8 hours average
RF Output: 2/10/50 mW
Receiver: ATW-R5220; 2-channel, 1U
Audio Outs: XLR analog; Dante version avail.
Software: Wireless Manager

audio-technica.com

Beyerdynamic TG 1000



Frequency Bands: 470-789 MHz
Transmitters: TG 1000 handheld; TG 1000 belt-pack
Interchangeable HH Capsules: Yes
Batteries/Life: (2) AA; 8 hours
RF Output: 10, 50 mW
Receiver: TG 1000; 2-channel, 1U
Audio Outs: XLR and TRS analog; Dante
Software: TG Wireless Manager, Wavetool

north-america.beyerdynamic.com

CAD Audio GXLD2



Frequency Bands: 902-927 MHz
Transmitters: TXHGXL2 handheld; TXBGXL2 bodypack
Interchangeable HH Capsules: No
Batteries/Life: (2) AA; 10 hours
RF Output: 10 mW
Receiver: GXLD2; 2-channel, half-rack
Audio Outs: XLR and 1/4" analog
Software: N/A

cadaudio.com

Lectrosonics D Squared



Frequency Bands: 470-608 MHz
Transmitters: DHu handheld; DBu belt-pack; DPR/DPR-A plug-ons; also compatible with DBSM/DBSM-D, DSW, Duet and Digital Hybrid Wireless
Interchangeable HH Capsules: Yes
Batteries/Life: (2) AA; 5 hrs
RF Output: 25 or 50 mW
Receiver: DSQD; 4-channel, half-rack
Audio Outs: (4) XLR analog; Dante; AES3
Software: Wireless Designer

lectrosonics.com

Line 6 XD-V75



Frequency Bands: 2.4 GHz
Transmitters: V75-SC and V75-40V handhelds; TBP belt-pack
Interchangeable HH Capsules: Yes
Batteries/Life: (2) AA; 8 hours
RF Output: 3.3 or 10 mW
Receiver: XD-V75; 1-channel, half-rack
Audio Outs: XLR and 1/4" analog; USB
Software: N/A

line6.com

MIPRO ACT-848



Frequency Bands: 480-960 MHz
Transmitters: ACT-80HC handheld; ACT-80TC bodypack
Interchangeable HH Capsules: Yes
Batteries/Life: Rechargeable; 13 hours
RF Output: 10 or 50 mW
Receiver: 1-2/4-channels; 1U
Audio Outs: XLR and 1/4"; S/PDIF; Dante opt.
Software: MIPRO RCS2. NET PC

avlex.com

Sennheiser Digital 6000



Frequency Bands: 470-714 MHz
Transmitters: SKM 6000 handheld; SK 6000 bodypack
Interchangeable HH Capsules: Yes
Batteries/Life: Rechargeable; 5.5 hours
RF Output: 10/50 mW (HD mode); 25/50 mW (LR mode)
Receiver: EM6000; 2-channel, 1U
Audio Outs: XLR/TRS analog; Dante; AES
Software: Wireless System Manager

sennheiserusa.com

Shure Axient Digital



Frequency Bands: 470-960 MHz (country dependent)
Transmitters: AD2, ADX2, ADX2FD handhelds; AD1, ADX1, ADX1M bodypacks
Interchangeable HH Capsules: Yes
Batteries/Life: Li-Ion rechargeable; AA; 8-9 hours
RF Output: 2/10/35 mW
Receiver: AD4Q 4-channel; AD4D 2-channel; 1U
Audio Outs: XLR, TRS analog; AES3/AES67; Dante
Software: Wireless Workbench, ShowLink

shure.com

Sony DWX Generation 3



Frequency Bands: 470-615 MHz
Transmitters: DWM-02N handheld; DWT-B30, DWT-B03R bodypacks
Interchangeable HH Capsules: Yes
Batteries/Life: Sony NP-BX; 7 hours
RF Output: 2/10/25 mW
Receiver: DWR-R03D; 2-channel, 1U
Audio Outs: XLR analog; AES/EBU; Dante
Software: Wireless Studio Cross Remote

pro.sony.com

Wisycm MRK980



Frequency Bands: 940-960 MHz
Transmitters: MTH410-US8 handheld; MTP40S bodypack
Interchangeable HH Capsules: Yes
Batteries: (2) AA; 7-10 hours
RF Output: 100 mW max
Receiver: MRK980; 2-channel, 1U
Audio Outs: XLR and TRS analog; AES/EBU, Dante
Software: Wisycm Manager

wisycm.com