

# Hardware Wireless In-Ear Systems

By George Petersen

Few technologies have impacted the world of live sound as much as the development of wireless in-ear systems. Once used only by major artists, today's IEM hardware is rock steady, easy to deploy and is suited to any application — from bar bands to praise bands; from mega-churches to mega-tours; and everything in between. We checked out some current rack-mountable offerings and uncovered a wide selection of systems to fit anyone's budget or needs.

## Hear Technologies Freedom Back



**Format:** Half-rack  
**Frequency Band:** UHF 584-608/655-679 MHz  
**Channels:** Single stereo mix  
**Inputs:** (2) Combo XLR/TRS  
**Output Power:** Not stated

**Receiver Model:** Freedom Back Transmitter  
**Includes Earpieces:** No  
**Battery Type, Life:** (2) AA; 4-5 Hours  
**Notes:** Rack ears add front antenna mount  
**Street Price:** \$549

hearttechnologies.com

## Peavey In Ear Monitor



**Format:** Half-rack  
**Frequency Band:** UHF  
**Channels:** Single stereo mix  
**Inputs:** (2) Combo XLR/TRS  
**Output Power:** 10 mW or 100 mW

**Receiver Model:** Peavey In-Ear Receiver  
**Includes Earpieces:** Yes  
**Battery Type, Life:** (2) AA; 8 hours  
**Notes:** Optional rack kits  
**Street Price:** \$399

peavey.com

## AKG IVM4500 IEM Reference Wireless



**Format:** Half-rack  
**Frequency Band:** UHF 600-819 MHz  
**Channels:** Single stereo mix  
**Inputs:** (2) Combo XLR/TRS  
**Output Power:** 100mW max

**Receiver:** SPR4500 IEM  
**Includes Earpieces:** Yes  
**Battery Type, Life:** (2) AA; 6-7 hours  
**Notes:** Built-in dbx compressor and EQ  
**Street Price:** \$1,049

akg.com

## LD Systems U500 IEM



**Format:** Half-rack  
**Frequency Band:** UHF 430-865 MHz  
**Channels:** Single stereo mix  
**Inputs:** (2) Combo XLR/TRS  
**Output Power:** 30 mW  
**Receiver Model:** U500

**Includes Earpieces:** No  
**Battery Type, Life:** (2) AA; 10 hours  
**Notes:** Multiple units support different frequency bands  
**Street Price:** \$579

ld-systems.com

## Sennheiser ew IEM G4



**Format:** Half-rack  
**Frequency Band:** UHF 470-608 MHz  
**Channels:** Single stereo mix  
**Inputs:** (2) Combo XLR/TRS  
**Output Power:** 10/30/50 mW

**Receiver Model:** EK IEM G4  
**Includes Earpieces:** Yes, IE4  
**Battery Type, Life:** (2) AA; 8 hours max  
**Notes:** HDX compander  
**Street Price:** \$1,049

sennheiser.com

## CAD Audio GXLIEM



**Format:** Half-rack  
**Frequency Band:** UHF 902-928 MHz  
**Channels:** Single mono mix  
**Inputs:** XLR-¼" combo  
**Output Power:** 30mW  
**Receiver Model:** GXLIEM

**Includes Earpieces:** Yes  
**Battery Type, Life:** (2) AA; 10 hours  
**Notes:** Battery life indicator on bodypack  
**Street Price:** \$170

cadaudio.com

## Lectrosonics M2 Duet System



**Format:** Half-rack  
**Frequency Band:** UHF 470-608 MHz  
**Channels:** Two stereo mixes  
**Inputs:** (4) Combo XLR/TRS  
**Output Power:** Up to 50 mW

**Receiver Model:** M2R  
**Includes Earpieces:** No  
**Battery Type, Life:** (2) AA; 4-7 hours  
**Notes:** Dante optional  
**Street Price:** \$2,524 (M2T); \$1,154 (M2R)

lectrosonics.com

## Shure PSM-1000



**Format:** 1U  
**Frequency Band:** UHF 470-952 MHz  
**Channels:** Two stereo mixes  
**Inputs:** (4) Combo XLR/TRS  
**Output Power:** 10/50/100 mW

**Receiver Models:** P10R, P10R+  
**Includes Earpieces:** No  
**Battery Type, Life:** (2) AA; 4-6 hours  
**Notes:** Includes two receivers  
**Street Price:** \$5,015

shure.com

## Galaxy Audio AS-1100



**Format:** Half-rack  
**Frequency Band:** UHF 470-494 MHz  
**Channels:** Single stereo mix  
**Inputs:** (2) Combo XLR/TRS  
**Output Power:** Not stated

**Receiver Model:** AS-1100R  
**Includes Earpieces:** Yes  
**Battery Type, Life:** (2) AA; 5 Hours  
**Notes:** Dual/Quad channel versions avail.  
**Street Price:** \$399

galaxyaudio.com

## Nady PEM-01



**Format:** Half-rack  
**Frequency Band:** UHF 903-928 MHz  
**Channels:** Single stereo mix  
**Inputs:** (2) ¼" stereo; mono XLR

**Output Power:** Not stated  
**Receiver:** PEM  
**Includes Earpieces:** Yes  
**Battery Type, Life:** (2) AA; 11 hours  
**Notes:** Optional rack kit  
**Street Price:** \$249

nady.com

## Wiscom MTK952



**Format:** 1RU  
**Frequency Band:** UHF 470-800 MHz  
**Channels:** Two stereo mixes  
**Inputs:** (2) Combo XLR/TRS; (2) AES/EBU  
**Output Power:** 10 to 200 mW

**Receiver Model:** MPR50-IEM  
**Includes Earpieces:** No  
**Battery Type, Life:** (2) AA; 4-6 hours  
**Notes:** 2 watt output version optional  
**Street Price:** Call for price

wiscomusa.com