

Custom Earpieces for IEM Systems

By George Petersen

A wireless in-ear monitoring system with accurate earpieces can significantly improve nearly any show. With that in mind, here are some current offerings in custom earpieces for professional monitoring applications. Although we focused mainly on top-of-the-line models, which all require impressions of each user's ears, most companies also offer less expensive options (including many in universal, non-custom versions).

1of1 Custom (ACS Custom) Emotion



Fit: Custom
Transducers: Five (LF/2MF/2HF)
Impedance: 63 ohms
Sensitivity: 120 dB/1mW
Isolation: 27 dB
Color: Multiple color options
Price: From \$1,250
Notes: SSI (Sound Stage Imaging) technology

1of1custom.com

64 Audio A12t



Fit: Custom or Universal
Transducers: 12 (4 LF/6 MF/2 HF)
Impedance: 12.6 ohms
Sensitivity: 108 dB/1mW
Isolation: 20 dB with Apex m20 module
Color: Multiple color options
Price: from \$1,999
Notes: Similar U12t universal IEM also offered

64audio.com

Alclair Audio ESM



Fit: Custom
Transducers: 13 (4 LF/4 MF/1 HF) + 4 electrostats
Impedance: 30 ohms
Sensitivity: 110 dB/1mW
Isolation: -26 dB
Color: Multiple color options
Price: \$2,499
Notes: Hybrid balanced armature/electrostatic HF design

alclair.com

CTM (Clear Tune Monitors) Da Vinci X



Fit: Custom or Universal
Transducers: Ten (4LF/4MF/2/HF)
Impedance: 43.8 ohms
Sensitivity: 117 dB/1mW
Isolation: 26 dB
Color: Multiple color options
Price: \$2,600
Notes: Five-way (split dual LF/split dual MF) crossover

cleartunemonitors.com

Earsonics EM64



Fit: Custom
Transducers: Six (2LF/2MF/2HF)
Impedance: 44 ohms
Sensitivity: 127 dB/1mW
Isolation: Not stated
Color: Multiple color options
Price: From \$1,378
Notes: Dist. by Focal Naim America (focalnaimamerica.com)

earsonics.com

Empire Ears Legend X



Fit: Custom or Universal
Transducers: Seven (2LF/2MF/3HF)
Impedance: 14 ohms
Sensitivity: 102 dB/1mW
Isolation: Not Stated
Color: Multiple color options
Price: From \$2,299
Notes: Ferrofluid-damped drivers

empireears.com

Future Sonics MG6 HX



Fit: Custom
Transducer: Single 13mm driver
Impedance: 32 ohm
Sensitivity: 114 dB/1mW
Isolation: 26 dB
Color: Numerous color options
Price: From \$1,100
Notes: HX Helix vent for 26 dB Ambient Noise Rejection

futuresonics.com

Jerry Harvey Audio/L-Acoustics Contour XO



Fit: Custom or Universal
Transducers: Ten (4LF/2MF/4HF)
Impedance: 8 Ohms
Sensitivity: 116 dB/1mW
Isolation: 26 dB
Color: Multiple color options
Price: From \$1,949
Notes: Universal-fit model offered by L-Acoustics

jhaudio.com

Sensaphonics 3DME Custom Tour



Fit: Custom
Transducer: Dual drivers
Impedance: n/a
Sensitivity: 102 dB
Isolation: 37 dB average
Color: Clear or optional colors
Price: \$2,000
Notes: Active Ambient technology; Bluetooth app for DSP beltback control

sensaphonics.com

Ultimate Ears UE Live



Fit: Custom
Transducers: Eight (6 balanced, 1 TrueTone+, 6mm sub)
Impedance: 10 ohms
Sensitivity: 105 dB/1mW
Isolation: 26 dB
Color: Multiple color options
Price: From \$1,699
Notes: Superbax cable

custom.ultimateears.com

Westone ES80 Elite



Fit: Custom
Transducer: Eight balanced armatures
Impedance: 80 ohms
Sensitivity: 111 dB/1mW
Isolation: 25 dB
Color: Multiple color options.
Price: From \$1,899
Notes: Selectable 10/16/24 dB attenuation filters

westone.com