Universal-Fit IEM Earpieces

nere's no surprise that in-ear monitoring systems have made a major impact in the way concerts are presented. Not only can performers hear themselves better than stage wedge mixes, but IEM use results in lowered stage volume. With a great IEM mix, the FOH engineer's task becomes simpler, audience get better sound and artists are happy — a definite example of a win-win-situation. While custom-fit IEMs are the preferred choice, off-theshelf universal-fit models are an ideal solution when guest artists show up unexpectedly, or artists leave their customs on a plane, hotel room/etc. And besides being less costly, universals are a great backup option in case the artist's custom version gets run over by a forklift.

With that in mind, we decided to look at some current offerings in universal-fit earpieces for pro monitoring applications. URLs are provided should you require more information.

Fit: Custom or Universal **Transducer:** Five drivers Impedance: 83 Ohms **Sensitivity:** 120.6 dB @ 0.1v **Isolation:** Not stated Color: Smoke Price: TBA

Notes: Detachable cables



acscustom.com

Audio-Technica ATH-E70

Fit: Universal

Transducer: Three balanced armatures

Impedance: 39 Ohms Sensitivity: 109 dB/1mW **Isolation:** Not stated

Color: Black **Price:** \$399

Notes: A2DC detachable cable



audio-technica.com

Etymotic Research ER•4 MicroPro

Fit: Universal

Transducer: Single balanced armature

Impedance: 27 Ohms Sensitivity: 108 dB/1mW Isolation: 35 dB - 42 dB

Color: Black **Price:** \$299

Notes: Earmold fit option



etymotic.com

Fostex TE100

Fit: Universal

Transducer: Hybrid dynamic and balanced armature

Impedance: 17 Ohms Sensitivity: 108 dB/1mW **Isolation:** Not stated Color: Black

Price: \$1,799

Notes: 6N-OFC detachable cable



Transducer: 12 balanced drivers

Impedance: 12.6 Ohms Sensitivity: 108 dB/1mW Isolation: 20 dB

Color: Brushed aluminum

Price: \$1,999

Notes: Combines tia and apex technology



64audio.com

64 Audio U12t

AKG IP2

Fit: Universal

Transducer: Single driver Impedance: 16 Ohms Sensitivity: 121 dB/1mW Isolation: Not stated Color: Dark gray-silver

Price: \$79

Notes: Sliding cable tie for tension adjustment



akg.com

EarSonics S-EM9

Fit: Universal

Transducer: Nine drivers Impedance: 38.5 Ohms Sensitivity: 121 dB/1mW

Isolation: N.A. Color: Black **Price:** \$1,799

Notes: 3-channel cannula profile



earsonics.com

Fender Pro Audio FXA7

Fit: Universal

Transducer: Dual tweeters, plus 9.25mm MF/LF

Impedance: 16 Ohms Sensitivity: 110 dB/1mW Isolation: 22 dB

Color: Bronze Price: \$499

Notes: Detachable MMCXi cable



fender.com

Future Sonics Spectrum Series G10

Transducer: Proprietary 10mm dynamic driver

Impedance: 32 Ohms Sensitivity: 113 dB/1mW Isolation: Up to 29 dB

Color: Black **Price:** \$219

Notes: Crossover-free design



futuresonics.com

Galaxy Audio EB10

Fit: Universal

Transducer: Dual driver **Impedance:** 22 Ohms **Sensitivity:** 120 dB/1mW

Isolation: N.A. Color: Clear Price: \$279

Notes: Cleaning rod included



Jerry Harvey Audio Lola

Fit: Custom or Universal
Transducer: Eight drivers
Impedance: 16 Ohms
Sensitivity: 105 dB @ 1 mW

Isolation: 25 dB

Color: Numerous color options

Price: from \$1,599

Notes: Variable (±15 dB) bass control



galaxyaudio.com

Mackie MP-240

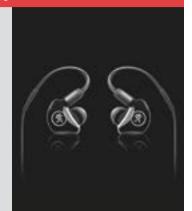
Fit: Universal

Transducer: Single dynamic + single balanced

Impedance: 32 Ohms Sensitivity: 94 dB/1mW Isolation: Up to 40 dB

Color: Black **Price:** \$199

Notes: Detachable MMCX cable



MiPro E-8P

jhaudio.com

Fit: Universal

Price: \$172

Transducer: Balanced armature drivers

Impedance: 30 Ohms
Sensitivity: 116 dB/1mW
Isolation: 23 dB
Color: Beige

Notes: Adjustable earhook design



mackie.com

Point Source Audio EM-3

Fit: Universal

Transducer: Single driver **Impedance:** 32 Ohm **Sensitivity:** 120 dB/1mW

Isolation: N.A. Color: Silver Price: \$99

Notes: Ear Guides route cable over the ears for

increased comfort/stability



Sennheiser IE 40 PRO

mipro.com.tw

Fit: Universal

Transducer: Single dynamic driver

Impedance: 20 Ohm Sensitivity: Not stated Isolation: 26 dB Color: Black or clear

Notes: Wearable conventionally or looped around the

ear



sennheiserusa.com

Shure SE535

point-sourceaudio.com

Sensaphonics 3D-U AARO

Fit: Universal or custom

Transducer: Full range single- or dual-driver

Impedance: N.A.
Sensitivity: N.A.
Isolation: up to 37 dB

Color: Black

Price: Single-driver, \$1,500; dual-driver, \$1,800 **Notes:** Active Ambient system with outboard module for tweaking mix from built-in binaural condenser

mics



Fit: Universal

Transducer: Triple balanced-armature drivers

Impedance: 36 Ohm Sensitivity: 119 dB/1mW Isolation: 37 dB

Color: Clear or metallic red

Price: \$449

Fit: Universal

Notes: Detachable cable; earmold option available

through Sensaphonics



shure.com

Westone UM Pro 50

Sony MDR-7550

sensaphonics.com

Fit: Universal

Transducer: Single 16mm neodymium driver

Impedance: 16 Ohms
Sensitivity: 108 dB/1mW
Isolation: Not stated
Color: Black

Color: Black Price: \$229

Notes: Flexible ear hangers



Transducer: Five balanced armature drivers

Impedance: 45 Ohm
Sensitivity: 115 dB/1mW
Isolation: 25 dB
Color: Clear
Price: \$649

Notes: Replaceable MMCX cable.



pro.sony.com/bbsc

