

DT 70 IE | DT 71 IE DT 72 IE | DT 73 IE

In-Ear Monitors



FEATURES

- Professional in-ear monitors for stage and studio
- High-resolution sound due to TESLA.11 driver system
- Ideal fit and high sound insulation thanks to the compact design
- Double-sided detachable, connection cable
- Sweat and splash-proof
- Hand made in Germany

VARIANTS

- DT 70 IE Mixing & Critical Listening, for sound engineers and live sound engineers Order # 1000640
- DT 71 IE Drum & Bass, for drummers and bass players Order # 1001387
- DT 72 IE Guitar & Voice, for guitarists and singers Order # 1001379
- DT 73 IE Classic Instruments & Keys, for string, wind and keyboard instruments Order # 1001386



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DESCRIPTION

The four professional in-ear monitors of the DT IE series have been specially developed for stage and live applications. They meet the high demands of musicians, singers and sound engineers regarding sound quality and wearing comfort.

The low-distortion dynamic TESLA.11 driver system ensures excellent sound. It is more compact than multi-way balanced armature systems. This design enables a particularly slim shape and, in conjunction with different eartips, it ensures a perfect fit. In addition, the high-quality cable with gold-plated MMCX connector system minimises structure-borne noise to a minimum.

There are optimised sound signatures for various applications.

The **DT 70 IE** was specially developed for sound engineers in the studio and live sound engineers for whom precision and fidelity are important for mixing and critical listening. The physiologically linear-tuned sound signature is based on the Fletcher-Munson curve, which takes into account the human ear's volume-dependent perception in relation to frequency.

The **DT 71 IE** was specially designed for drummers and bass players. The chosen sound signature provides a powerful bass foundation that accurately reproduces low frequencies. The tuned treble profile ensures a

detailed reproduction of cymbals, percussion and the overtones of the bass guitar. The slightly reduced mids create additional transparency and clarity so that the overall reproduction always remains balanced.

The **DT 72 IE** was specially developed for guitarists and singers. The customised sound signature offers a discreetly tuned bass that provides the necessary foundation without the low frequencies becoming too prominent. The natural low mids ensure a transparent sound and reduce distracting frequencies. In addition, the customised frequency response between 200 to 500 Hz compensates for the so-called occlusion effect, which occurs when the outer ear canal is closed by earphones. As a result, the sound is often perceived as muffled - this is not the case with the DT 72 IE. The upper mids are slightly boosted, which enhances the presence and assertiveness of the guitar and voice in the mix. The sound signature is rounded off by fine trebles that provide the necessary brilliance without sounding harsh.

The **DT 73 IE** was specially developed for string, wind and keyboard instruments. The linear bass and mid-range reproduction between 20 Hz and 1 kHz ensures a natural reproduction that faithfully reproduces the output signal. A subtle boost in the high frequency range from 5 kHz ensures precise overtones without making the sound appear sharp or overemphasised.



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TECHNICAL SPECIFICATIONS

Transducer type	Dynamic
Operating principle	Closed
Wearing type	In-ear
Frequency response	5 - 40,000 Hz
Nominal impedance	16 Ω
Sound pressure level [dB SPL] @ 1 kHz @ 1 mW	DT 70 IE: 113 dB SPL DT 71 IE: 112 dB SPL DT 72 IE: 114 dB SPL DT 73 IE: 115 dB SPL
Sound pressure level [dB SPL] @ 1 kHz @ 1 Vrms	DT 70 IE: 129 dB SPL DT 71 IE: 130 dB SPL DT 72 IE: 130 dB SPL DT 73 IE: 131 dB SPL
T.H.D. @ 1 mW	0.02% @ 500 Hz 0.02% @ 1 kHz
Nominal power handling capacity	200 mW
Ambient noise attenuation	39 dBA
Weight (without cable and eartip)	3 g per earphone
Length and type of cable	Straight cable, 1.40 m, detachable, double-sided
Connection	MMCX to 3-pole mini stereo jack (3.5 mm)
IP 68	DT 70 IE, DT 72 IE, DT 73 IE
IP 65	DT 71 IE

(All specifications acc. to EN 60 268-7)

SUPPLIED ACCESSORIES / REPLACEMENT PARTS

- Straight cable, MMCX to 3-pole mini stereo jack (3.5 mm), length 1.4 m Order # 1001842
- Jack adapter 3.5 mm to 1/4" jack (6.35 mm)..... Order # 1002114
- Five pairs of silicone eartips (XS, S, M, L, XL) Order # 1002103
- Three pairs of foam eartips (Typ Comply™ Tx-500)
Size S..... Order # 728136
Size M..... Order # 728144
Size L..... Order # 728152
- Set of earwax guard grilles..... Order # 928542
- Storage case Order # 1002115



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