

PRO X GUIDE

HEADPHONES &
MICROPHONES



beyerdynamic



PRO X - THE FIRST CHOICE FOR ALL CREATORS

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DT 700 PRO X DT 900 PRO X



With the **DT 700 PRO X** and the **DT 900 PRO X**, beyerdynamic presents new pairs of circumaural studio headphones.

The closed-back **DT 700 PRO X** studio headphones are suitable for professional recording and monitoring in the studio as well as on the go.

The open-back **DT 900 PRO X** studio headphones are suitable for critical listening, mixing and mastering in the studio as well as on the road.

This is made possible by the STELLAR.45 driver, newly developed in Heilbronn, which reproduces the best sound on all playback devices – loud, powerful and in studio quality. In addition, there is a replaceable mini-XLR cable and newly designed ear pads, which provide the accustomed level of premium comfort. To round them off, the headphones are made in Germany using robust and high-quality materials.

M 70 PRO X M 90 PRO X

The dynamic **M 70 PRO X** broadcast microphone delivers the very best sound for streams and podcasts. An assertive, speech-optimised sound, a shock-mounted capsule, perfect attenuation of popping sounds and the well-crafted design meet the requirements and needs of today's creators. Equipped with an XLR connector, the **M 70 PRO X** is the perfect choice for streamers, podcasters and YouTubers.

beyerdynamic's **M 90 PRO X** true condenser microphone is a XLR microphone for home, project and studio recording. The microphone is the perfect choice for recording vocals, speech and instruments. In addition to its warm, detailed sound, the **M 90 PRO X** offers an exceptional signal-to-noise ratio, optimal attenuation of popping sounds and excellent workmanship. It meets the requirements and needs of today's creators.



HEADPHONES GUIDE



DT 240 PRO

DT 770 PRO

DT 880 PRO

DT 990 PRO

DT 700 PRO X

DT 900 PRO X

DT 1770 PRO

DT 1990 PRO

Recording

★★★

★★★★

★

★

★★★★★

★

★★★★★

★

Mixing

★

★★

★★★★★

★★★★★

★★★★

★★★★★

★★★★★

★★★★★

Mastering

★

★★

★★★★

★★★★★

★★★

★★★★★

★★★★★

★★★★★

Mobility

★★★★★

★★★

★

★

★★★★★

★★★

★★★

★★

Streaming

★

★★★★

★★

★★★★★

★★★★★

★★★★★

★★★★★

★★★★★

Wearing comfort

★★★★★

★★★★★

★★★★★

★★★★★

★★★★★

★★★★★

★★★★★

★★★★★

Replaceable parts

★★

★★★★

★★★★

★★★★

★★★★★

★★★★★

★★★★★

★★★★★

Drawstring bag

✓

✓

✓

✓

✓

✓

✗

✗

Hard case

✗

✗

✗

✗

✗

✗

✓

✓

Headphone type

Closed-back

Closed-back

Semi-open-back

Open-back

Closed-back

Open-back

Closed-back

Open-back

Impedance

34 Ω

32 Ω
80 Ω
250 Ω

250 Ω

250 Ω

48 Ω

48 Ω

250 Ω

250 Ω

Detachable cable

✓

✗

✗

✗

✓

✓

✓

✓

Tesla technology

✗

✗

✗

✗

✗

✗

✓

✓

Frequency response

5 - 35.000 Hz

5 - 35.000 Hz

5 - 35.000 Hz

5 - 35.000 Hz

5 - 40.000 Hz

5 - 40.000 Hz

5 - 40.000 Hz

5 - 40.000 Hz

Nominal SPL*

99 dB

96 dB

96 dB

96 dB

100 dB

100 dB

102 dB

102 dB

Weight

196 g

270 g

295 g

250 g

350 g

345 g

388 g

370 g

Made in Germany

✗

✓

✓

✓

✓

✓

✓

✓

OPEN-BACK HEADPHONES VS. CLOSED-BACK HEADPHONES

OPEN-BACK HEADPHONES

CLOSED-BACK HEADPHONES

The earcup housings are open so they retain air and sound permeability

DESIGN

The earcup housings are completely closed so incoming and outgoing noise is attenuated

Spacious and transparent

SOUND PROPERTIES

Powerful and vibrant

Differentiated stage enables precise localisation of acoustic sources

PRO

Sound insulation prevents undesired acoustic artefacts on the recording track

Mixing
Mastering
Streaming

PRIMARY USE

Monitoring
Recording
Live Performance
DJing

DYNAMIC MICROPHONES VS. CONDENSER MICROPHONES

DYNAMIC MICROPHONES

CONDENSER MICROPHONES

Are less sensitive but also handle all kinds of loudness without distortion, which comes in helpful for screaming vocals or very close proximity talking

SENSITIVITY

Are sensitive and deliver a higher output voltage, therefore they can be used with every mixing desk or audio interface, regardless of preamp quality

Pick up what's directly in front of the microphone and suppress pop-noises or environmental noises, which is perfect for podcasting or streaming

VOCAL AND SPOKEN WORD APPLICATION

Pick up a lot of detail and even very quiet sounds. They are perfect for musical vocal recording or voice-overs

Assertive sound, high feedback immunity and insensitive to impact or handling noise

SOUND PROPERTIES

Filigree and especially at high frequencies finely resolved sound

Streaming
Podcasts

PRIMARY USE

Home-Recording
Studio-Recording



STELLAR.45 SOUND TRANSDUCER

The STELLAR.45 sound transducer, which was developed in Heilbronn, delivers that proven beyerdynamic sound at previously unattained levels of studio-headphones-class performance.

This is down to the neodymium ring magnet as well as copper-clad high-tech wire. The trade-off between electrical conductivity and the weight of the wire is unique. In combination with the newly developed three-layer speaker diaphragm featuring integrated damping layer, this has created a highly efficient driver system that performs superbly on all playback devices.

The innovative membrane structure controls the axial motion of the voice coil and ensures that it remains securely positioned in the magnet gap even during high oscillations. Another benefit is vast and natural frequency response. The fast response of the transducer and the detailed transient response, produced by the low coil weight, create a sound that is always reliable and distortion free even at high sound pressure levels.

ELECTRO ACOUSTICAL DESIGN

M 70 PRO X

The controlled proximity effect results in a controlled low frequency response which has many advantages. Plosive noises, or pop noises, appear in the low end of frequencies which are automatically suppressed by this acoustic design. Furthermore, when moving away from the microphone, the bass response will not decrease and your voice will sound steady, clear and transparent, regardless if you're very close on the microphone or a little further away.

M 90 PRO X

Specially developed electronics that dovetail with the capsule have been incorporated into PRO X microphones. This guarantees a very low level of inherent noise and a high acoustic pressure ceiling, which ensures zero-distortion transmission. The amplifier circuit has been redeveloped from the ground up. The latest components, like a low-noise operational amplifier and a precision voltage controller, form the foundation for the microphones' clear, warm sound.

ACCESSORIES AND SPARE PARTS

Accessories and replacement
equipment can be found at:



www.beyerdynamic.com/pro-x

REFERENCE
CREATOR
INSPIRATION
VERSATILITY
TRUSTED SOUND

PRO X
HOME OF THE CREATORS

Home is where you can be creative. With the new PRO X series, modern creators now get unlimited creativity with the renowned beyerdynamic reference sound quality. The PRO X headphones and microphones are the perfect tools for you to focus on your inspiring creations. Anytime, anywhere. No matter where your creative home is.

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