

Xelento wireless

2nd generation

Audiophile in-ear headphones with Bluetooth®

Order # 728.810



FEATURES

- High-end sound due to beyerdynamic 11 mm TESLA sound transducer
- Certified with Hi-Res Audio and Hi-Res Audio wireless
- Extremely lightweight and ergonomic design
- Detachable cable (plug connection: MMCX), cable running behind the ear
- Connecting cables with jack plug and Bluetooth® receiver with additional DAC/amp and latest codecs
- Extensive accessories included

APPLICATIONS

The Xelento wireless (2nd generation) in-ear headphones can be used in many ways:

- For listening to music and watching videos
- For telephone and conference calls due to the integrated remote control with microphone
- For access to personal assistants such as Siri®, Google Assistant®, Amazon Alexa®
- For wired and wireless operation (on Bluetooth® compatible players)
- Can also be used in the rain and during sports due to IPX4 protection class



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DESCRIPTION

The Xelento wireless (2nd generation) in-ear headphones are a unique audible piece of jewellery, which make audiophiles' hearts beat faster. It is the result of acoustic expertise, engineering precision and a passion for outstanding quality – Made in Germany.

The TESLA.11 driver used does not only feature an incomparably high-resolution sound, but also an enormous high efficiency, which is achieved by a powerful neodymium ring magnet. As Hi-Res Audio certified in-ear headphones, the Xelento wireless (2nd generation) reproduces the full sound of music tracks with unparalleled resolution and depth. When using the selectable Enhancement Mode, the sound is optimised by an additional DAC/amp.

Due to the latest codecs, wireless hi-fi sound via Bluetooth® 5.2 can be enjoyed: Qualcomm® aptX™ HD, Qualcomm® aptX™ Adaptive and LHDC as well as the integrated digital and analogue converter with amplifier from the AKM specialist ensure that wireless sound enjoyment is possible on all devices – whether Android, iOS, Windows or Mac. The 3-button remote control of the mini jack (3.5 mm) cable with high-quality microphone opens up all possibilities: Calls, video conferences and use with voice assistants which can be flexibly accessed on the smartphone or laptop.

Due to the MMCX plug-in system, the Xelento wireless (2nd generation) can be flexibly adapted to your own needs. With the supplied mini jack (3.5 mm) cable with remote control, the Xelento wireless (2nd generation) can also be used for wired applications if required. With the optional 4.4 mm Pentaconn cable, the Xelento wireless (2nd generation) can also be expanded. This makes the Xelento wireless (2nd generation) ideal for music enjoyment with digital audio players or balanced hi-fi systems.

With the innovative MIY app, the Xelento wireless (2nd generation) can be personalised even further. Within the app, the sound can be individually adjusted to the hearing ability: with MOSAYC - Attention to Detail with Mimi Sound Personalization. In the MIY app, the settings of the in-ear headphones can also be further customised and functionalities can always be kept up to date with the latest technology through over-the-air updates (OTA).

The extremely slim and lightweight design with ergonomically shaped housings and perfectly adapted eartips is designed to fit the anatomy of the human ear ensuring outstanding comfort when wearing and a maximum external noise attenuation. In order to maximise the comfort and prevent annoying cable noise, the cable is worn behind the ear.

As a special eye-catcher, the shining housing is decorated with real gold. The Xelento logos are handmade of 24 carat gold and applied in a high-precision technical process.

Due to the IPX4 certification, the Xelento wireless (2nd generation) is also well protected from moisture when being on the move.

When not in use, the Xelento wireless (2nd generation) can be stored in the high-quality case supplied.

*Not all smartphones and tablets support all the functions of the remote control.



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TECHNICAL SPECIFICATIONS

Earphone

Transducers 1-way, dynamic
(beyerdynamic TESLA.11)
Acoustic design Closed
Frequency range 10 – 50,000 Hz
Sound coupling to the ear In-ear
Ambient noise attenuation 22 dBA at 1 kHz
Nominal impedance 16 Ω
Nominal sound pressure level 114 dB at 1 mW
Nominal power handling capacity 200 mW
Max. sound pressure level 134 dB SPL
T.H.D. < 0.02% at 1 kHz
Connection MMCX (female)
Protection class IPX4
Weight (without cable) 8 g
Hi-Res Audio certified Yes

Connecting cable, jack

Cable length 1.30 m
Conductor material Copper, silver-plated
Connection (headphone) MMCX (male)
Remote control 3-button, universal* with microphone
Microphone type MEMS analogue, omnidirectional
Connection (player) Mini jack (3.5 mm),
4-pole (pinouts: CTIA)
Protection class IPX4

Bluetooth® receiver

Bluetooth® version 5.2
Frequency response 2.400 – 2.4835 GHz
Transmission power 10 dBm (Class 1)
Range 10 m
Supported profiles HSP 1.2, HFP 1.71,
A2DP 1.3.1, AVRCP 1.6, AVCTP 1.4, AVDTP 1.3,
SPP 1.2, Device ID 1.3, RFCOMM 1.2, GAVDP 1.3
Number of paired devices max. 8
Multipoint Supported (max. 2 devices at the same time)
Compatible with
Bluetooth® players Version 4.0 or higher
(A2DP and HFP profiles required)
Firmware update possible Yes (via MIY app)
Bluetooth® operation during charging Yes
Cable length 0.99 m (from end to end)
Supported codecs LHDC, Qualcomm® aptX™ HD,
aptX™ Adaptive, aptX™, AAC, SBC

Volume steps Music = 32, phone calls = 16
Compliant with EN 50332 Yes
Hi-Res Audio wireless certified Yes
DAC/headphone amplifier AKM4377A**

Remote control 3-button, universal with microphone
Microphone type MEMS digital, omnidirectional
Speech enhancement Qualcomm® cVc™ (8th gen.), 1 mic

Conductor material of the cables Copper, silver-plated
Digital interface USB-C (female)
Connection (headphone) MMCX (male)
Apple MFi Yes
Google Fast Pair Yes
Amazon Alexa® built-in Yes

Battery type Lithium-Ion, 125 mAh
Battery runtime (Enhancement Mode off) up to 14:00 hrs.
Battery runtime (Enhancement Mode on) up to 9:30 hrs.
Charging time 1:40 hrs.
Max. charging voltage 4.35 V
Max. charging current 105 mA

USB version USB 2.0 Full Speed
USB audio Class 1
USB audio supported to 24 Bit / 96 kHz
Compatible with players with USB version 2.0 /
USB audio class 1

Operating temperature range -10 to +60 °C
Charging temperature range 0 to +45 °C
Protection class IPX4
Weight 22 g

USB cable

Type USB-A (straight) to USB-C (angled)
Length 1.0 m

Hard case

Dimensions W x H x D 70 x 134 x 24 mm

* When using Xelento wireless (2nd generation) in wired applications, it is compatible with most Apple and Android devices, that have a built-in mini jack (3.5 mm) with CTIA pinouts. The volume control may not work on some devices, e.g. individual Lightning or USB to jack adapters.

** Only active in the Enhancement Mode, can be switched via the on/off button.



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SUPPLIED ACCESSORIES

- Silicone eartips in 7 sizes (XS, S, M, L, XL, XXL, XXXL) Order # 937.010
- Foam eartips (type Comply™ Tx-500)
 - Size S Order # 728.136
 - Size M Order # 728.144
 - Size L Order # 728.152
- Spare cerumen protective grids Order # 928.542
- Bluetooth® receiver with remote control and USB cable. . . . Order # 728.543
- Connecting cable with remote control, 4-pole mini jack (3.5 mm). Order # 728.837
- Cable clips (2 pcs.) Order # 937.029
- Microfibre cleaning cloth Order # 937.037
- Hard case. Order # 937.002
- Quick start guide and compliance booklet

OPTIONAL ACCESSORIES

- Connecting cable (balanced), 5-pole jack 4.4 mm (Pentaconn) Order # 728.802
- Connecting cable without remote control, 3-pole mini jack (3.5 mm). Order # 728.829

TRADEMARKS

Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. App Store is a service mark of Apple Inc.

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Alexa is not available in all languages and countries. Alexa features and functionality may vary by location.



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