

Free BYRD

True Wireless Headphones

Order # 728.934 (grey)

Order # 728.926 (black)



Qualcomm® aptX™ Adaptive



FEATURES

- beyerdynamic sound with ANC and Transparency Mode
- Outstanding microphones (3 each side) with Qualcomm® dual 2-mic cVc™ for impressive speech intelligibility
- Extra-long battery life of typ. 11 hours on one single charge
- Charging case with Qi® charging function
- Perfect fit and exceptional comfort (8 pairs of eartips in different sizes and materials included)
- Bluetooth® 5.2, Alexa Built-in, Google Fast Pair and latest audio codecs Qualcomm® aptX™ Adaptive & AAC
- High-quality materials and replaceable parts
- Resistant against splashing water and sweat according to IPX4 certification

APPLICATIONS

The Free BYRD can be used in many ways:

- For listening to music
- For telephone and conference calls (e.g. in home office)
- For silence in a noisy environment due to Digital Hybrid Active Noise Cancellation (ANC)
- To access personal assistants such as Siri®, Google Assistant®, Amazon Alexa®
- For watching videos on YouTube®, WhatsApp®, Instagram® etc.
- For sending audio/video messages via WhatsApp®, Teams®, WeChat®, Zoom® etc.
- For VoIP such as Skype®
- For gaming
- For watching TV
- For indoor and outdoor sporting activities

DESCRIPTION

The Free BYRD combines full freedom of movement with superior beyerdynamic sound. Digital Hybrid Active Noise Cancelling (ANC) enables a sound experience without disturbing ambient noise while maintaining a high sound quality. When there is something important to listen to in the office or on the road, the Transparency mode blends in the outside world.

A powerful driver and the latest codecs such as aptX™ Adaptive and AAC provide a perfect sound image. Technologies such as Qualcomm® dual 2-mic cVc™ give the Free BYRD a first-class speech intelligibility when making calls, whether in mono or stereo mode.

The integrated rechargeable battery has an extra long battery life of typical 11 hours. When charging, the earbuds are put into the charging case and charged via USB-C or a Qi® charging pad.

Silicone eartips in various sizes provide a perfect fit and are comfortable to wear at the same time. The three additional supplied foam eartip sizes are very suitable for sports.

Due to Google Fast Pair®, the Free BYRD connects to a device in seconds. As Google and Apple certified true wireless headphones, the voice assistants Alexa® and Siri® are available.

If used in latency critical applications (like gaming or watching videos), the low latency mode ensures perfect synchronisation between picture and sound. The light guide system facilitates operation by using different light colours. The beyerdynamic MIY app can be used for further adjustments and updates to the Free BYRD.

According to the IPX4 certification, the Free BYRD is resistant against splashing water and sweat, making it very suitable for sporting activities.

TECHNICAL SPECIFICATIONS

Earphone

Transducer type	Dynamic
Operating principle	Closed
Frequency response	10 – 22,000 Hz
Sound coupling to the ear	In-ear
T.H.D.	< 0.1% at 1 kHz
Compliant with EN 50332	Yes
Weight (per earphone)	7 g

Charging case

Dimensions W x H x D	43 x 68 x 30 mm
Weight	60 g

Battery/Charging

Battery type	Lithium-ion
Battery capacity	
Earphone	83 mAh
Charging case	500 mAh
Runtime music	typ. 11 hrs. (1:10 hrs. after charging for 10 min.)
Talk time	typ. 8:30 hrs.
Charging time	3:45 hrs.
Max. charging voltage	
Earphone	4.2 V
Charging case	4.2 V
Max. charging current	
Earphone	70 mA
Charging current	280 mA
Charging socket	USB-C
USB cable	USB-A (straight) to USB-C (angled), 0.5 m

ANC/Transparency mode

ANC topology	Hybrid (Feed-Back and Feed-Forward)
ANC type	Digital
Ambient noise attenuation	
with ANC ON	20 dB (low frequencies) 18 dB (mid frequencies) 15 dB (high frequencies)

SUPPLIED ACCESSORIES

- 5 pairs of silicone ear tips, sizes XS, S, M, L, XL
- 3 pairs of foam ear tips, sizes S, M, L
- USB cable for charging
- Quick start guide in nine languages and booklet

Number of steps for ANC	1
Transparency mode available	Yes
Number of steps for transparency mode	1

Microphone

Signal-to-noise ratio	64 dB
Microphone type	MEMS, omnidirectional

Bluetooth®

Bluetooth® version	5.2
Frequency response	2,402 – 2,480 GHz
Transmission power	10 dBm (class 1)
Number of paired devices	max. 6
Range	10 m
Supported profiles	HSP 1.2, HFP 1.7.1, 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
Supported codecs	aptX™ Adaptive, aptX™, AAC, SBC
Speech enhancement	Qualcomm® cVc™ (8. Gen.), 2 mics
Compatible with	
Bluetooth® players	Version 4.0 or higher (A2DP and HFP profiles required)
Volume steps	Music = 16, phone calls = 16
Google Fast Pair®	Yes
Amazon Alexa® built-in	Yes
Firmware update possible	Yes (via App)
Low Latency Mode	Yes

Environmental conditions

Operating temperature range	-10 to +60 °C
Charging temperature range	0 to +45 °C
Degree of protection	IPX4

REPLACEMENT PARTS

- Left earphone, grey Order # 936.448
- Right earphone, grey Order # 936.456
- Charging case, grey Order # 937.045
- Left earphone, black Order # 936.421
- Right earphone, black Order # 946.430
- Charging case, black Order # 928.926
- Set of silicone ear tips, grey
(5 pairs, XS, S, M, L, XL) Order # 936.480
- Set of silicone ear tips, black
(5 pairs, XS, S, M, L, XL) Order # 936.057
- Set of foam ear tips, orange
(3 pairs, S, M, L) Order # 936.464
- USB cable (USB-A to USB-C) Order # 936.065

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