

# Lagoon ANC

Bluetooth® Headphones



Qualcomm® aptX™ Low Latency

Traveller (black blue/black)  
Explorer (grey/brown)

Order # 715.517  
Order # 718.238



## FEATURES

- MOSAYC sound personalisation (via MIY app)
- Best sound in its class
- Outstanding wearing comfort due to soft ear pads
- Digital Active Noise Cancelling (ANC) in two stages
- Operation via touchpad
- beyerdynamic Light Guide System to display various operating states

- Bluetooth® 4.2 with the latest audio codecs (Qualcomm® aptX™ Low Latency, aptX™, AAC)
- Qualcomm® cVc™ technology for best intelligibility of speech
- Range up to 10 m
- Runtime Bluetooth® up to 45 hours (without ANC)
- USB-C charging socket

## DESCRIPTION

The Lagoon ANC combines sound perfection and technical intelligence. The Lagoon ANC features an excellent sound whether with activated or deactivated noise cancelling. With the beyerdynamic MIY app, users can personalise the sound of their headphones. The heart of this app is the innovative MOSAYC sound personalisation based on research by Mimi Hearing Technologies. The sound is exactly adapted to the personal hearing profile of the user. At the same time, the app provides information about the listening habits of the user, so that the hearing can be preserved. The app is available for Apple iOS and Android and can be downloaded from the Apple App Store and Google Play Store.

The Bluetooth® wireless technology can be used with all Bluetooth®-enabled devices such as smartphones, tablets or computers. A range of up to 10 meters allows sufficient freedom of movement. The following codecs are used for Bluetooth® transmission: Qualcomm® aptX™ Low Latency (for sound transmission with minimum delay), aptX™ and AAC. If no Bluetooth® device is available or the rechargeable battery is empty, the headphones can also be used with the supplied mini jack cable (3.5 mm).

The closed design prevents music from penetrating to the outside and ambient noise from penetrating to the inside. Due to the digital Active Noise Cancelling with hybrid technology, disturbing noise can easily be suppressed via two adjustable intensity levels – perfect when travelling by train or plane. Active Noise Cancelling works particularly well at low frequencies, which are typically encountered in trains or aircrafts.

The innovative Light Guide System in the housing shells indicates the operating status. For conversations the housing shell has an integrated microphone. Qualcomm® cVc™ is used for superior intelligibility of speech in headset operation. Media playback and phone calls are controlled via a touchpad on the right-hand side. Voice prompts in German or English, e.g. for battery status, also contribute to a user-friendly operation. A USB-C port is used to charge the integrated battery.

When the headphones are not in use, they can be stored in the supplied high-quality hard case.

## TECHNICAL SPECIFICATIONS

Transducer type	dynamic
Operating principle	closed
Frequency response	10 – 30,000 Hz
Nominal impedance	20 Ω
Nominal SPL	91 dB SPL (@ 1 mW @ 500 Hz)
Max. SPL	107 dB SPL (@ 40 mW @ 500 Hz)
T.H.D.	< 0.02 % (@ 1 mW @ 500 Hz)
Speaker diameter	40 mm
Nominal power handling capacity	40 mW
Sound coupling to the ear	circumaural
Nominal headband pressure	5.4 N
ANC	digital, hybrid (feedback and feed-forward), adjustable in two stages
Bluetooth®	version 4.2, power class 1, compatible with playback devices from Bluetooth® version 4.0
Supported profiles	AVRCP 1.6 A2DP 1.3 HSP 1.2 HFP 1.7 GAP 1.3 SDP 2.1 SPP 1.2
Supported codecs	aptX Low Latency™ aptX™ AAC SBC mSBC

Frequency range	2.402 – 2.480 GHz
Transmission power	10 dBm
Qualcomm® cVc™	yes
Range	up to 10 m
Pairing via NFC	yes
Volume	adjustable in 32 steps (A2DP)
Firmware update possible	yes
Runtime Bluetooth®	up to 45 hrs. (without ANC) up to 24.5 hrs. (with ANC)
Runtime without Bluetooth®	up to 31.5 hrs. (with ANC)
Talktime Bluetooth®	up to 47 hrs.
Charging time	approx. 3 hrs.
Battery type	Lithium polymer
Battery capacity	1100 mAh
Battery cycle life	min. 500 full charging cycles
Charging port	USB-C
Operating temperature range	0 to 40 °C
Charging temperature range	0 to 40 °C
Weight (without cable)	283 g
Connecting cable	1.20 m, mini jack (3.5 mm/3-pole), single sided on the right-hand side, detachable

## SUPPLIED ACCESSORIES

- Hard case for storage
- Charging cable USB-A to USB-C
- Analogue audio cable with mini jack (3.5 mm)

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