**Lagoon ANC**

Bluetooth® Headphones

Traveller (black blue/black) Order # 715.517
Explorer (grey/brown) Order # 718.238

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**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

**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 ....... 40 mW
Sound coupling to the ear ... circumaural
Nominal headband pressure .... 5.4 N
ANC ............................... digital, hybrid
(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

**SUPPLIED ACCESSORIES**

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

**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** .......... 120 m, mini jack
........................................ (3.5 mm/3-pole),
........................................ single sided on the
........................................ right-hand side, detachable

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