HONOR Earbuds 2 Lite Product Description

1.2

2021-4-12

Honor Device Co., Ltd.

1.1 Introduction

HONOR Earbuds 2 Lite are true wireless stereo (TWS) earbuds consisting of left and right earbuds and a charging case, and feature an in-ear design for increased comfort when being worn. The earbuds can be connected with other devices such as phones, tablets, and PCs over Bluetooth to make voice calls and play music. Featuring a 10 mm-diameter dynamic driver unit, two microphones for environmental noise cancellation during calls, feedforward active noise cancellation (ANC), and Awareness mode, the earbuds achieve crystal clear audio delivery. With a low power solution and 55 mAh battery, the earbuds have a long battery life and a fast charging speed via the charging case.

Glacier White

2 Technical Specifications

2.1 Hardware Specifications

The following table describes the hardware specifications.

Item	Description
External model	Earbuds model: T0005 Charging case model: T0005C
Hardware platform for earbuds	BES2500Z
Bluetooth version	Bluetooth 5.2, backward compatible
Bluetooth protocol	A2DP 1.3, Hands-free protocol (HFP) 1.7, AVRCP 1.6, RFCOMM 1.2, SPP 1.2, AVCTP 1.4, and AVDTP 1.3
Bluetooth name	HONOR Earbuds 2 Lite
Hardware platform for charging case	Third-party MCU
Charging the case	Charged via a USB Type-C port and a cable
Charging the earbuds	Charged via the charging case
Charging time	Full charge for the earbuds: around 1 hour Full charge for the charging case (without the earbuds inside): around 1.5 hours *Data comes from Honor lab tests.*
Battery capacity and type	Earbuds capacity: 55 mAh (minimum value) Charging case capacity: 410 mAh (minimum value) Battery type: Lithium-ion battery

Item	Description
Music playback/Voice call duration	Music playback duration: 10 hours (with noise canceling disabled)/7.5 hours (with noise canceling enabled) Voice call duration: 6.5 hours (with noise canceling disabled)/5.5hours (with noise canceling enabled). *Honor conducted tests with a prototype of the Earbuds 2 Lite and the accompanying software using the HONOR V30 phone.* *Music playback test: The earbuds were connected to the phone over Bluetooth for music playback in the AAC format with the volume set to 50%. The battery was completely discharged until the music stopped playing from one of the earbuds.* *Voice call test: The earbuds were connected to the phone over Bluetooth with the volume set to 50%. A voice call was then conducted until the voice could not be heard from one of the earbuds.* *The battery life will vary depending on the device settings, usage, and other factors.*
Standby time	1. Standby time with the earbuds fully charged, connected with a device, and outside the charging case: 2 days. 2. Standby time with the earbuds and charging case fully charged and the earbuds placed inside the charging case: about 1 year.
Button	A button is on the charging case. 1. Power on the case: When using the charging case for the first time, press and hold the button for 2 seconds. 2. Enter Pairing mode: Open the charging case and leave the earbuds inside, then press and hold the button for more than 2 seconds. 3. Restore the earbuds to their factory settings: Open the charging case and leave the earbuds inside, then press and hold the button for more than 10 seconds. This will clear all pairing data. 4. Reset the charging case: Press and hold the button for more than 16 seconds.

Item	Description
Indicator	The indicator outside the case provides information about the charging case by turning red, orange, green, or white. 1. Battery level of the earbuds 2. Pairing status 3. Factory reset status 4. Charging status of the charging case 5. Battery level of the charging case
Input power of the charging case	5 V/1 A
Number of full charge times	When the charging case is fully charged, it can provide at least 1 full charge for both earbuds or at least 2 charges for a single earbud.
Effective bandwidth frequency for music playback	20 Hz to 20,000 Hz
A2DP decoding format	AAC and SBC
Speaker	Each earbud has a 10 mm-diameter dynamic driver unit
Microphone	Each earbud has two MEMS microphones that support uplink environmental noise cancellation for calls and feedforward active noise cancellation.
Color (earbuds and charging case)	Glacier White, Midnight Black
Weight	Single earbud: about 5.5 g Charging case: about 41 g
Dimensions (H x W x D)	Earbud: 37.5 mm x 23.9 mm x 21 mm (including ear tips in size M that are installed on the earbuds by default) Charging case: 45.5mm*61.2mm*25.35mm
Temperature	Operating temperature: 0°C to 35°C Charging temperature: 0°C to 45°C Storage temperature: –20°C to +45°C
Certification	The product has obtained SRRC, CE, and Bluetooth certifications.
Environmental protection requirements	The product complies with RoHS, REACH, and WEEE environmental protection requirements.

2.2 Features

2.2.1 Immersive stereo sound and switching between primary/secondary earbuds

After connecting to a Bluetooth device, the earbuds will play stereo sound through both channels when making voice calls or playing music. They intelligently designate one earbud as primary and the other as secondary based on their condition and battery level.

2.2.2 Feedforward noise cancellation for crystal clear audio

A feedforward microphone is used to pick up background noise, and a reverse sound wave is generated in real time to eliminate the noise, bringing comfortable noise canceling.

Maximum noise canceling depth in the core frequency band: 22 dB

2.2.3 Be aware of clear and natural ambient sound

You can switch to Awareness mode by touching and holding either earbud, which enables you to be aware of the surrounding sound without taking off your earbuds.

2.2.4 Dual-microphone environmental noise cancellation during calls

Each earbud has two Micro-Electro-Mechanical System (MEMS) silicon microphones that use beamforming directional sound pickup, wind-resistant structure, and AI noise canceling technology, effectively reducing environmental noise to achieve high-quality calls even when you are walking or running.

2.2.5 Fast charging and long battery life

With a large-capacity battery in a compact body, the HONOR Earbuds 2 Lite feature a long battery life with a low-power solution.

With noise canceling disabled and the volume set to 50%, a full charge of the earbuds allows for 10 hours of music playback (in AAC format), or 6.5 hours of voice calls.

A full charge of the earbuds and charging case allows for 32 hours of music playback, or 20 hours of voice calls.

The earbuds support fast charging, and a 10-minute charge allows for 4 hours of music playback.

(Conditions: The charging case has sufficient battery, the earbuds are fast-charged at room temperature, and the earbuds are used to play music in AAC format with a 50% volume level.)

2.2.6 Proximity pairing prompt upon opening the case

On phones running Magic UI 3.0 or later, a proximity pairing prompt will be displayed each time you open the charging case for a rapid

pairing or connection. The battery level of the earbuds and charging case will be displayed on the prompts.

Note：Depend on overseas server construction.

2.2.7 In-ear design and surging bass

The HONOR Earbuds 2 Lite feature a 10 mm-diameter dynamic driver and an in-ear design for maximum comfort and stability.

2.2.8 Easy touch controls

Both earbuds use built-in capacitive sensors to achieve the double-tap and touch-and-hold shortcuts. You can change the shortcut settings in the AI Life app on a phone running Magic UI 4.0 or later.

Double-tap either earbud to perform the following:

Default settings:

1. Play/Pause music.
2. Answer/End a call.

Touch and hold either earbud to perform the following:

Choose a noise control mode: Noise canceling, Awareness, or Off.

Optional settings:

Double-tap either earbud to perform the following:

1. Play/Pause music.
2. Skip to the next song.
3. Return to the previous song.
4. Wake up the voice assistant.
5. None

Touch and hold either earbud to perform the following:

Choose a noise control mode.

2.2.9 Low latency and audio-video synchronization

To reduce the latency of Bluetooth transmission and synchronize audio and video during gaming, the HONOR Earbuds 2 Lite automatically enter low-latency mode when you are playing games on a phone running Magic UI 4.0 or later.

2.2.10 Convenient settings and updates in the AI Life app

The HONOR Earbuds 2 Lite work in conjunction with the AI Life app for you to switch between different noise control modes, customize noise canceling settings, set shortcut operations, and perform OTA updates.

Note: Only for Android.

2.3 Packing List

No.	Item	Quantity
1	Earbuds	1 pair (left and right earbuds)
2	Ear tip	3 pairs (Available in large, medium, and small. The medium size is pre-installed on the earbuds.)
3	Charging case	1
4	Quick Start Guide	1
5	Safety Information	1
6	Warranty card	1
7	USB-C cable	1