

SONY

White paper

September 2016



Xperia™ Ear
XEA10

Purpose of this document

Sony product white paper are intended to give an overview of a product and provide details in relevant areas of technology.

NOTE: The illustration that appears on the title page is for reference only. All screen images and elements are subject to change without prior notice.

Document history

Version

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Sony Mobile Developer World

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Product overview

Introduction

Xperia™ Ear is a next-generation wireless ear-piece, bringing you a new way to communicate while you work and play. Get essential information and notifications about your appointments, the weather or the latest news, and stay up to date on the go. Powered by Sony Agent technology, the ear-piece responds to verbal commands. Make calls or search the web, dictate a message or navigate to a specific location - all without touching a button. Be where you want to be, hands-free and at the ready, but still in the loop.

Technical specifications

Size	
Core unit (excluding projections)	Approx. 15.2 x 29.3 x 24.3 mm
Charging case	Approx. 29 x 41 x 60 mm
Weight	
Core unit	Approx. 6.6 grams
Charging case	Approx. 39 grams
Available colours	Graphite black
Keys	Assistant/Call key
LED	Yes (RGB and Pattern)
Ear speaker	Yes
Sound	Dual microphone, Noise suppression, Echo cancellation, Balance Armature driver
Voice Control / Interaction	Yes (Supported languages; JP, US, UK, FR, DE, IT, ES, RU)
Head Gesture	Yes
Sensors	Accelerometer, Gyroscope, Proximity
Bluetooth	
Bluetooth specification	4.1
Profiles	A2DP1.3, HFP1.6, AVRCP1.5, HSP1.2
NFC	Yes, for application installation and one-touch connection
USB (charging case)	Yes, standard micro USB (for power supply)

Battery	
Capacity	65 mAh (ear-piece), 300mAh (charging case)
Battery Care	Yes
Usage time	
Talk time	Up to 4.0 hours* ***
Talk time with charging case	Up to 16 hours* ***
Standby time	Up to 80 hours** ***
Environmental data	
Operating temperature range	-20°C to +60°C
Operating humidity range	5% to 99% RH
Storage temperature range	-40°C to +85°C
Storage humidity range	25% to 70% RH
Charging temperature range	5°C to 45°C
Water and dust classification	IPX2 water protection

*Values are for when the Battery Care function is off.

**Value for Standby time is when the Xperia™ Ear has been put in the ear.

***Values may vary depending on temperature, humidity and operating condition.

Mobile device hardware requirements

Host application compatibility	Android version 4.4 KitKat or later Bluetooth profile: A2DP, AVRCP, HFP
Bluetooth	Version 4.1

Technologies in detail

The information presented in this section is a general overview of the technology incorporated into the product. However, hardware and software levels of compliance to standards and specifications vary between products and markets. For more information, contact Sony Mobile Developer World or your Sony representative.

Device-to-device communications (local)

Bluetooth® wireless technology

Bluetooth® profiles supported	Headset Profile v1.2 Hands-Free Profile v1.6 Advanced Audio Distribution Profile v1.2 Audio/Video Remote Control Profile v1.4
Core version and supported core features	Version 4.1
Supported devices	Products which support at least one of the Bluetooth® profiles listed above.

More information:

www.sonymobile.com/developer

www.bluetooth.com

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