



# AirPods Max with USB-C - Tech Specs

Year introduced: 2024

<b>Colour</b>	Midnight Starlight Blue Purple Orange
<b>Audio Technology</b>	Apple-designed dynamic driver Pro-level Active Noise Cancellation <sup>1</sup> Transparency mode Personalised Spatial Audio with dynamic head tracking <sup>2</sup> Adaptive EQ
<b>Sensors</b>	Optical sensor (each ear cup) Position sensor (each ear cup)

	<p>Case-detect sensor (each ear cup)</p> <p>Accelerometer (each ear cup)</p> <p>Gyroscope (left ear cup)</p>
<b>Microphones</b>	<p><b>Nine microphones in total:</b></p> <p>Eight microphones for Active Noise Cancellation</p> <p>Three microphones for voice pickup (two shared with Active Noise Cancellation and one additional microphone)</p>
<b>Chip</b>	<p>Apple H1 headphone chip (each ear cup)</p>
<b>Controls</b>	<p><b>Digital Crown</b></p> <p>Turn for volume control</p> <p>Press once to play or pause media</p> <p>Press once to answer a call or mute or unmute<sup>3</sup></p> <p>Press twice to end a call</p> <p>Press twice to skip forward</p> <p>Press three times to skip back</p> <p>Press and hold for Siri</p> <p><b>Noise control button</b></p> <p>Press to switch between Active Noise Cancellation and Transparency mode</p> <p><b>Hey Siri</b></p> <p>Say "Hey Siri"<sup>4</sup> to do things like play a song, make a call or get directions</p>
<b>Size and Weight<sup>5</sup></b>	<p><b>AirPods Max, including cushions</b></p> <p><b>Width:</b> 168.6 mm (6.64 inches)</p> <p><b>Depth:</b> 83.4 mm (3.28 inches)</p> <p><b>Height:</b> 187.3 mm (7.37 inches)</p> <p><b>Weight:</b> 386.2 grams (13.6 ounces)</p> <p><b>Smart Case</b></p> <p><b>Weight:</b> 134.5 grams (4.74 ounces)</p>
<b>Battery</b>	<p><b>AirPods Max</b></p> <p>Up to 20 hours of listening time on a single charge with pro-level Active Noise Cancellation enabled<sup>6</sup></p> <p>Up to 20 hours of movie playback on a single charge with pro-level Active Noise Cancellation and Spatial Audio on<sup>7</sup></p> <p>Up to 20 hours of talk time on a single charge<sup>8</sup></p> <p>5 minutes of charge time provides around 1.5 hours of listening time<sup>9</sup></p> <p><b>AirPods Max with Smart Case</b></p>

Storage in the Smart Case preserves battery charge in ultra-low-power state

Charging via USB-C

Bluetooth 5.0 wireless technology

## Connectivity

## In the Box

**AirPods Max**

**Smart Case**

**USB-C Charge Cable**

## Accessibility<sup>10</sup>

Accessibility features help people with disabilities get the most out of their new AirPods Max.

### Features include:

Live Listen audio

Headphone levels

Headphone Accommodations

## System Requirements

iPhone models with the latest version of iOS

iPad models with the latest version of iPadOS

Apple Watch models with the latest version of watchOS

Mac models with the latest version of macOS

Apple TV models with the latest version of tvOS

Apple Vision Pro with the latest version of visionOS

AirPods can be used as wireless Bluetooth headphones with Apple devices using earlier software and with non-Apple devices, but functionality may be limited

## AirPods Max and the Environment

**AirPods Max is designed to reduce environmental impact:<sup>11</sup>**

### Materials

100% recycled tin in the solder of multiple printed circuit boards

100% recycled gold in the plating of multiple printed circuit boards

100% recycled copper plating salts on multiple printed circuit boards

More than 90% post-consumer recycled polyester in the canopy yarn and ear cushion yarn

100% fibre-based packaging<sup>12</sup>

40% recycled content in fibre packaging

### Energy

Meets US Department of Energy requirements for battery charger systems<sup>13</sup>

### Waste

No established final assembly sites generate waste sent to landfill as part of Apple's Zero Waste Programme

**Smarter chemistry<sup>14</sup>**

## Mercury-, BFR- and PVC-free

1. Up to 2x more Active Noise Cancellation compared with AirPods Pro (1st generation) and AirPods 4 with Active Noise Cancellation.
2. Compatible hardware and software required. Works with compatible content in supported apps. Not all content available in Dolby Atmos. iPhone with TrueDepth camera required to create a personal profile for Spatial Audio, which will sync across Apple devices with the latest operating system software, including iOS, iPadOS, macOS and tvOS.
3. Available in compatible applications with the latest firmware.
4. Siri may not be available in all languages or in all areas, and features may vary by area. Compatible device and internet access required. Mobile data charges may apply.
5. Size and weight vary by configuration and manufacturing process.
6. Testing conducted by Apple in July and August 2024 using pre-production AirPods Max paired with pre-production iPhone 16 Pro Max units, all with pre-release software. Testing consisted of full AirPods Max battery discharge while playing one of the following: a music playlist consisting of 358 unique audio tracks purchased from the iTunes Store (256Kb/s AAC encoding), a mobile phone call, or a 2-hour 23-minute movie purchased from the iTunes Store until AirPods Max stopped playback. Volume was set to 50%, Active Noise Cancellation on and Spatial Audio set to fixed. For movie playback only, Spatial Audio was set to head tracking. Battery life depends on device settings, environment, usage and many other factors.
7. Testing conducted by Apple in July and August 2024 using pre-production AirPods Max paired with pre-production iPhone 16 Pro Max units, all with pre-release software. Volume was set to 50%, Active Noise Cancellation on and Spatial Audio set to head tracking. Testing consisted of full AirPods Max battery discharge while repeating playback of a 2-hour 23-minute movie purchased from the iTunes Store. Battery life depends on device settings, environment, usage and many other factors.
8. Testing conducted by Apple in July and August 2024 using pre-production AirPods Max paired with pre-production iPhone 16 Pro Max units, all with pre-release software. Volume was set to 50%, Active Noise Cancellation on and Spatial Audio set to fixed. Testing consisted of full AirPods Max battery discharge with a mobile phone call until AirPods Max stopped playing call audio. Battery life depends on device settings, environment, usage and many other factors.
9. Testing conducted by Apple in July and August 2024 using pre-production AirPods Max paired with pre-production iPhone 16 Pro Max units, all with pre-release software. The playlist consisted of 358 unique audio tracks purchased from the iTunes Store (256-Kbps AAC encoding). Volume was set to 50%, Active Noise Cancellation on and Spatial Audio set to fixed. 5-minute charge testing conducted with drained AirPods Max that were charged for 5 minutes, then audio playback was started until AirPods Max stopped playback. Battery life depends on device settings, environment, usage and many other factors.
10. Requires the latest version of iOS or iPadOS.
11. Data accurate as of product launch.
12. Based on retail packaging as shipped by Apple. Breakdown of US retail packaging by weight. Adhesives, inks and coatings are excluded from our calculations of plastic content and packaging weight.
13. Efficiency performance is based on the [US Department of Energy Federal Energy Conservation Standards for Battery Chargers](#).
14. Apple's Regulated Substances Specification describes Apple's restrictions on the use of certain chemical substances in materials in Apple products, accessories, manufacturing processes, and packaging used for shipping products to Apple's end customers. Restrictions are derived from international laws or directives, regulatory agencies, eco-label requirements, environmental standards and Apple policies. Every Apple product is free of PVC and phthalates except for AC power leads in India, Thailand (for two-pin AC power leads) and the Republic of Korea, where we continue to seek government approval for our PVC and phthalates replacement. Apple products comply with the European Union Directive 2011/65/EU and its amendments, including exemptions for the use of lead such as high-temperature solder. Apple is working to phase out the use of these exempted substances for new products where technically possible.

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Helpful?

Yes

No

Support

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