

AirPods Max - Technical Specifications

 support.apple.com/kb/SP835

Color

- Silver
- Space Gray
- Sky Blue
- Pink
- Green

Audio Technology

- Apple-designed dynamic driver
- Active Noise Cancellation
- Transparency mode
- Spatial audio with dynamic head tracking¹
- Adaptive EQ

Sensors

- Optical sensor (each ear cup)
- Position sensor (each ear cup)
- Case-detect sensor (each ear cup)
- Accelerometer (each ear cup)
- Gyroscope (left ear cup)

Microphones

Nine microphones total:

- Eight microphones for Active Noise Cancellation
- Three microphones for voice pickup (two shared with Active Noise Cancellation and one additional microphone)

Chip

Apple H1 headphone chip (each ear cup)

Controls

Digital Crown

- Turn for volume control
- Press once to play, pause, or answer a phone call
- Press twice to skip forward
- Press three times to skip back
- Press and hold for Siri

Noise control button

Press to switch between Active Noise Cancellation and Transparency mode

Hey Siri

Say “Hey Siri” to do things like play a song, make a call, or get directions

Size and Weight²

AirPods Max, including cushions

- Height : 7.37 inches (187.3 mm)
- Width : 6.64 inches (168.6 mm)
- Depth : 3.28 inches (83.4 mm)
- Weight : 13.6 ounces (384.8 grams)

Smart Case

Weight: 4.74 ounces (134.5 grams)

Battery

AirPods Max

- Up to 20 hours of listening time on a single charge with Active Noise Cancellation or Transparency mode enabled³
- Up to 20 hours of movie playback on a single charge with spatial audio on⁴
- Up to 20 hours of talk time on a single charge⁵
- 5 minutes of charge time provides around 1.5 hours of listening time⁶

AirPods Max with Smart Case

- Storage in the Smart Case preserves battery charge in ultra-low-power state
- Charging via Lightning connector

Connectivity

Bluetooth 5.0

In the Box

- AirPods Max
- Smart Case
- Lightning to USB-C Cable

Accessibility⁷

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 Requirements⁸

- iPhone and iPod touch 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

Compatibility

iPhone Models

- iPhone 13 mini
- iPhone 13
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 12 mini
- iPhone 12
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone XS
- iPhone XS Max
- iPhone XR
- iPhone X
- iPhone 8
- iPhone 8 Plus
- iPhone 7⁹
- iPhone 7 Plus⁹
- iPhone 6s⁹
- iPhone 6s Plus⁹
- iPhone SE (2nd generation)
- iPhone SE (1st generation)⁹

Apple Watch Models⁹

- Apple Watch Series 7
- Apple Watch Series 6
- Apple Watch SE
- Apple Watch Series 5
- Apple Watch Series 4
- Apple Watch Series 3
- Apple Watch Series 2
- Apple Watch Series 1

Apple TV Models

- Apple TV 4K
- Apple TV HD⁹

iPad Models

- iPad Pro 12.9-inch (5th generation)
- iPad Pro 12.9-inch (4th generation)
- iPad Pro 12.9-inch (3rd generation)
- iPad Pro 12.9-inch (2nd generation)
- iPad Pro 12.9-inch (1st generation)⁹
- iPad Pro 11-inch (3rd generation)
- iPad Pro 11-inch (2nd generation)
- iPad Pro 11-inch (1st generation)
- iPad Pro 10.5-inch
- iPad Pro 9.7-inch⁹
- iPad (9th generation)
- iPad (8th generation)
- iPad (7th generation)

- iPad (6th generation)
- iPad (5th generation)
- iPad Air (4th generation)
- iPad Air (3rd generation)
- iPad Air 2⁹
- iPad mini (6th generation)
- iPad mini (5th generation)
- iPad mini 4⁹

Mac Models⁹

- MacBook (Retina, 12-inch, Early 2015–2017)
- MacBook Air (11-inch, Mid 2012–Early 2015)
- MacBook Air (13-inch, Mid 2012–2017)
- MacBook Air (Retina, 13-inch, 2018–2020)
- MacBook Air (M1, 2020)
- MacBook Pro (Retina, 13-inch, Late 2012–Early 2015)
- MacBook Pro (Retina, 15-inch, Mid 2012–Mid 2015)
- MacBook Pro (13-inch, Mid 2012–2020)
- MacBook Pro (15-inch, Mid 2012–2019)
- MacBook Pro 13-inch (2020, two ports)
- MacBook Pro 13-inch (2020, four ports)
- MacBook Pro 13-inch (M1, 2020)
- MacBook Pro 14-inch (2021)
- MacBook Pro 16-inch (2021)
- MacBook Pro (16-inch, 2019)
- iMac (21.5-inch, Late 2012–2017)
- iMac (27-inch, Late 2012–Late 2013)
- iMac (Retina 4K, 21.5-inch, Late 2015–2019)
- iMac (Retina 5K, 27-inch, Late 2014–2020)
- iMac (24-inch, M1, 2021)
- iMac Pro (2017)
- Mac mini (Late 2012–Late 2018)
- Mac mini (M1, 2020)
- Mac Pro (Late 2013–2019)

iPod Models

iPod touch (7th generation)

AirPods Max and the Environment

Apple takes a complete product life cycle approach to determining our environmental impact. [Learn more - AirPods Max and the Environment](#)

AirPods Max are designed with the following features to reduce environmental impact:

- Brominated flame retardant-free
- PVC-free
- Beryllium-free