AirPods (2nd generation) Technical Specifications

 apple.com/airpods-2nd-generation/specs/

Sensors

- Dual beamforming microphones
- Dual optical sensors
- Motion-detecting accelerometer
- Speech-detecting accelerometer

Chip

H1 headphone chip

Controls

- ●● Double-tap to play, skip forward, or answer a phone call
- Say "Hey Siri" to do things like play a song, make a call, or get directions

Size and Weight (Each)[1]

0.65 inch (16.5 mm)
1.59 inches
(40.5 mm)

- Height:
  1.59 inches
  (40.5 mm)

- Width: 0.65 inch (16.5 mm)
- Depth: 0.71 inch (18.0 mm)
- Weight: 0.14 ounce (4 grams)

1.74 inches (44.3 mm)

2.11 inches
(53.5 mm)
0.84 inch (21.3 mm)

- Height:
  2.11 inches
  (53.5 mm)

- Width: 1.74 inches (44.3 mm)
- Depth: 0.84 inch (21.3 mm)
- Weight: 1.35 ounces (38.2 grams)

Charging Case

> Works with the Lightning connector

Battery

AirPods

- Up to 5 hours of listening time with a single charge[2]
- Up to 3 hours of talk time with a single charge[3]

AirPods with Charging Case

- More than 24 hours of listening time[4]
- Up to 18 hours of talk time[5]

15 minutes in the case provides up to 3 hours listening time[6] or up to 2 hours talk time[7]

Connectivity

> Bluetooth 5.0

In the Box

- AirPods
- Charging Case
- Lightning to USB-A Cable
- Documentation

Accessibility

Accessibility features help people with disabilities get the most out of their new AirPods. Features include:

- Live Listen audio[8]
- Headphone levels
- Headphone Accommodations

System Requirements[9]
- 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[10]

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 7[11]
- iPhone 7 Plus[11]
- iPhone SE (2nd generation)
- iPhone SE (1st generation)[11]
- iPhone 6s[11]
- iPhone 6s Plus[11]
- iPhone 6[11]
- iPhone 6 Plus[11]
- iPhone 5s[11]

iPod Models

- iPod touch (7th generation)
- iPod touch (6th generation)[11]

Mac Models[11]

- 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)

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)[11]
- 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-inch[11]
- 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 2[11]
- iPad Air (1st generation)[11]
- iPad mini (6th generation)
- iPad mini (5th generation)
- iPad mini 4[11]
- iPad mini 3[11]
- iPad mini 2[11]

Apple Watch Models[11]

- 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[11]

- Apple TV 4K
- Apple TV HD

AirPods and the Environment

Apple takes a complete product life cycle approach to determining our environmental impact. Learn more

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

- Brominated flame retardant–free
- PVC-free
- Beryllium-free
- Mercury-free