

# iPhone 8

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## iPhone 8

## iPhone 8 Plus

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### Finish



Gold, Silver, Space Gray



Gold, Silver, Space Gray

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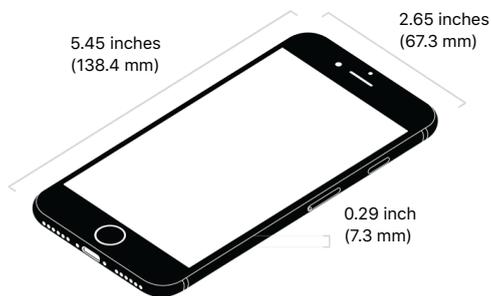
### Capacity

64GB  
128GB

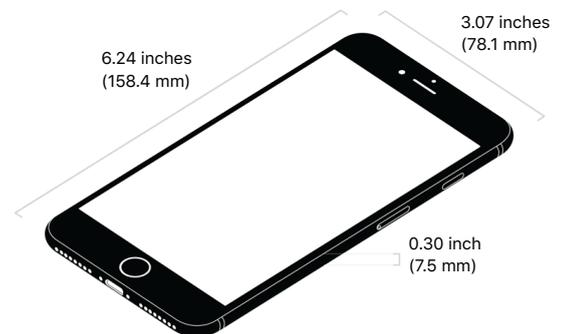
64GB  
128GB

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### Size and Weight



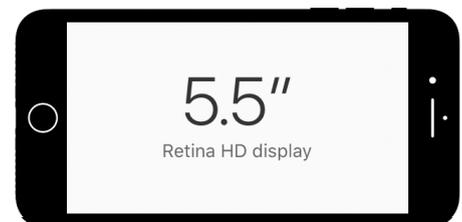
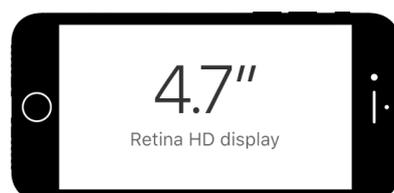
Weight: 5.22 ounces (148 grams)



Weight: 7.13 ounces (202 grams)

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### Display



Retina HD display

4.7-inch (diagonal) widescreen LCD Multi-Touch display with IPS technology

1334-by-750-pixel resolution at 326 ppi

1400:1 contrast ratio (typical)

Retina HD display

5.5-inch (diagonal) widescreen LCD Multi-Touch display with IPS technology

1920-by-1080-pixel resolution at 401 ppi

1300:1 contrast ratio (typical)

**Both models:**

True Tone display

Wide color display (P3)

3D Touch

625 nits max brightness (typical)

Dual-domain pixels for wide viewing angles

Fingerprint-resistant oleophobic coating

Support for display of multiple languages and characters simultaneously

Display Zoom

Reachability

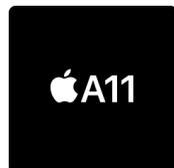
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**Splash, Water, and Dust Resistant**

Rated IP67 (maximum depth of 1 meter up to 30 minutes) under IEC standard 60529

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**Chip**



A11 Bionic chip

Neural Engine

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**Camera**

Single 12MP Wide camera

Wide:  $f/1.8$  aperture

Digital zoom up to 5x

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Dual 12MP Wide and Telephoto cameras

Wide:  $f/1.8$  aperture

Telephoto:  $f/2.8$  aperture

2x optical zoom in; digital zoom up to 10x

Portrait mode

Portrait Lighting with five effects (Natural, Studio, Contour, Stage, Stage Mono)

**Both models:**

Optical image stabilization

Six-element lens

LED True Tone flash with Slow Sync

Panorama (up to 63MP)

Live Photos with stabilization

Wide color capture for photos and Live Photos  
Auto HDR for photos  
Auto image stabilization  
Burst mode  
Photo geotagging  
Image formats captured: HEIF and JPEG

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## Video Recording

4K video recording at 24 fps, 30 fps, or 60 fps  
1080p HD video recording at 30 fps or 60 fps  
720p HD video recording at 30 fps  
Optical image stabilization for video  
2x optical zoom in; digital zoom up to 6x (iPhone 8 Plus only)  
LED True Tone flash  
Slo-mo video support for 1080p at 120 fps or 240 fps  
Time-lapse video with stabilization  
Cinematic video stabilization (1080p and 720p)  
Continuous autofocus video  
Take 8MP still photos while recording 4K video  
Playback zoom  
Video formats recorded: HEVC and H.264

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## FaceTime HD Camera

7MP camera  
 $f/2.2$  aperture  
1080p HD video recording at 30 fps  
Retina Flash  
Wide color capture for photos and Live Photos  
Auto HDR for photos  
Auto image stabilization  
Burst mode

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## Touch ID

Fingerprint sensor built into the Home button

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## Apple Pay

Pay with your iPhone using Touch ID in stores, within apps, and on the web  
Send and receive money in Messages  
Complete purchases made with Apple Pay on your Mac

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# Apple Card

Credit card created by Apple, designed for iPhone

Use the Wallet app to apply for, manage, and use Apple Card

Pay with Apple Pay using Touch ID in stores, within apps, and on the web

Titanium, laser-etched physical credit card for use where Apple Pay is not accepted yet

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## Carriers



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## Cellular and Wireless

### Model A1863

FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 28, 29, 30, 66)

### Model A1864

TD-LTE (Bands 34, 38, 39, 40, 41)

TD-SCDMA 1900 (F), 2000 (A)

CDMA EV-DO Rev. A (800, 1900, 2100 MHz)

UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)

GSM/EDGE (850, 900, 1800, 1900 MHz)

### Model A1905

FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 28, 29, 30, 66)

### Model A1897

Models A1905 and A1897 do not support CDMA networks, such as those used by Verizon and Sprint.

TD-LTE (Bands 34, 38, 39, 40, 41)

UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)

GSM/EDGE (850, 900, 1800, 1900 MHz)

### All models

802.11ac Wi-Fi with MIMO

Bluetooth 5.0 wireless technology

NFC with reader mode

Express Cards

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## Location

Built-in GPS/GNSS

Digital compass

Wi-Fi

Cellular

iBeacon microlocation

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## Video Calling

FaceTime video calling over Wi-Fi or cellular

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## Audio Calling

FaceTime audio

Voice over LTE

(VoLTE) Wi-Fi calling

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## Audio Playback

Audio formats supported: AAC-LC, HE-AAC, HE-AAC v2, Protected AAC, MP3, Linear PCM, Apple Lossless, FLAC, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3), and Audible (formats 2, 3, 4, Audible Enhanced Audio, AAX, and AAX+)

Stereo playback

User-configurable maximum volume limit

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## Video Playback

Video formats supported: HEVC, H.264, MPEG-4 Part 2, and Motion JPEG

Supports Dolby Vision and HDR10 content

AirPlay Mirroring, photos, and video out to Apple TV (2nd generation or later)

Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)

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## Siri

Use your voice to send messages, set reminders, and more

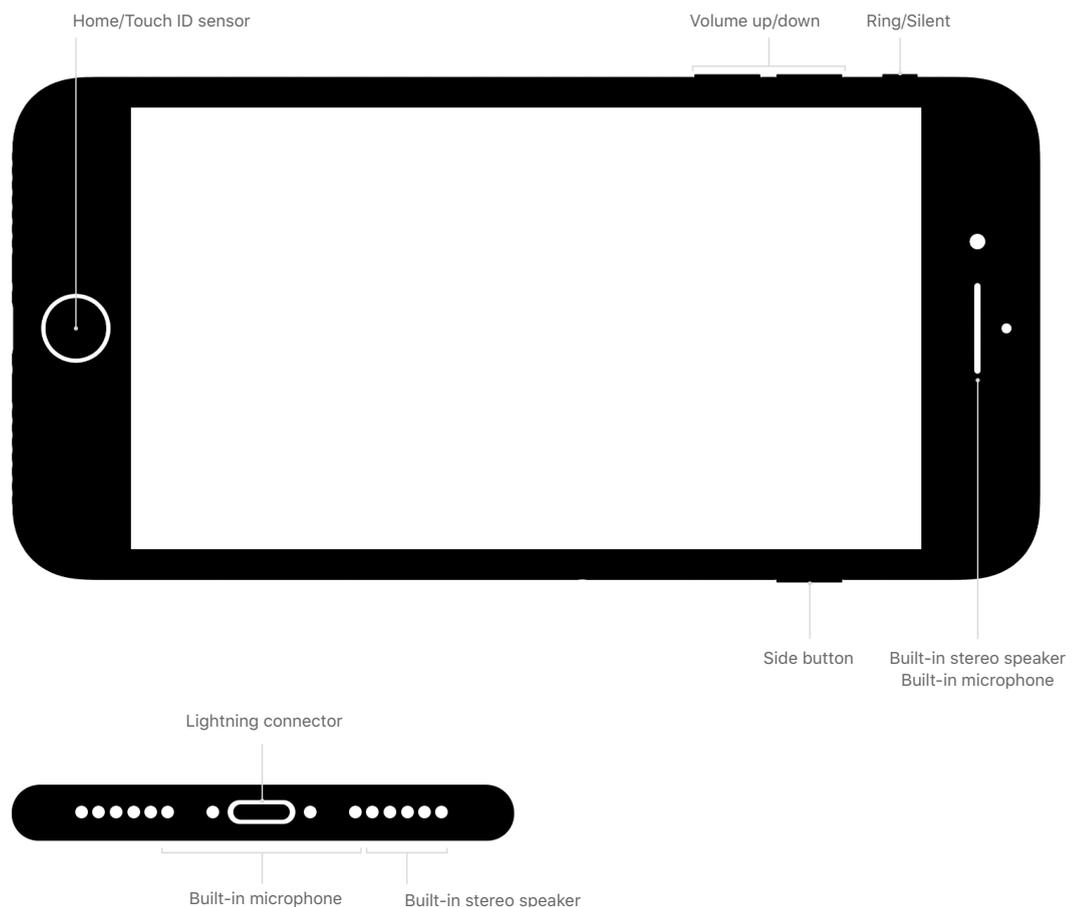
Get intelligent suggestions on your Lock screen and in Messages, Mail, QuickType, and more

Activate hands-free with only your voice using "Hey Siri"

Use your voice to run shortcuts from your favorite apps

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## External Buttons and Connectors



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## Power and Battery

Lasts about the same as iPhone 7

**Talk time (wireless):**

Up to 14 hours

**Internet use:**

Up to 12 hours

**Video playback (wireless):**

Up to 13 hours

**Audio playback (wireless):**

Up to 40 hours

**Fast-charge capable:**

Up to 50% charge in 30 minutes with 18W adapter or higher (sold separately)

Lasts about the same as iPhone 7 Plus

**Talk time (wireless):**

Up to 21 hours

**Internet use:**

Up to 13 hours

**Video playback (wireless):**

Up to 14 hours

**Audio playback (wireless):**

Up to 60 hours

**Fast-charge capable:**

Up to 50% charge in 30 minutes with 18W adapter or higher (sold separately)

**Both models:**

Built-in rechargeable lithium-ion battery

Wireless charging (works with Qi chargers)

Charging via USB to computer system or power

adapter

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## Sensors

Touch ID fingerprint sensor

Barometer

Three-axis gyro

Accelerometer

Proximity sensor

Ambient light sensor

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## Operating System

iOS 13

iOS is the world's most personal and secure mobile operating system, packed with powerful features and designed to protect your privacy.

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## Accessibility

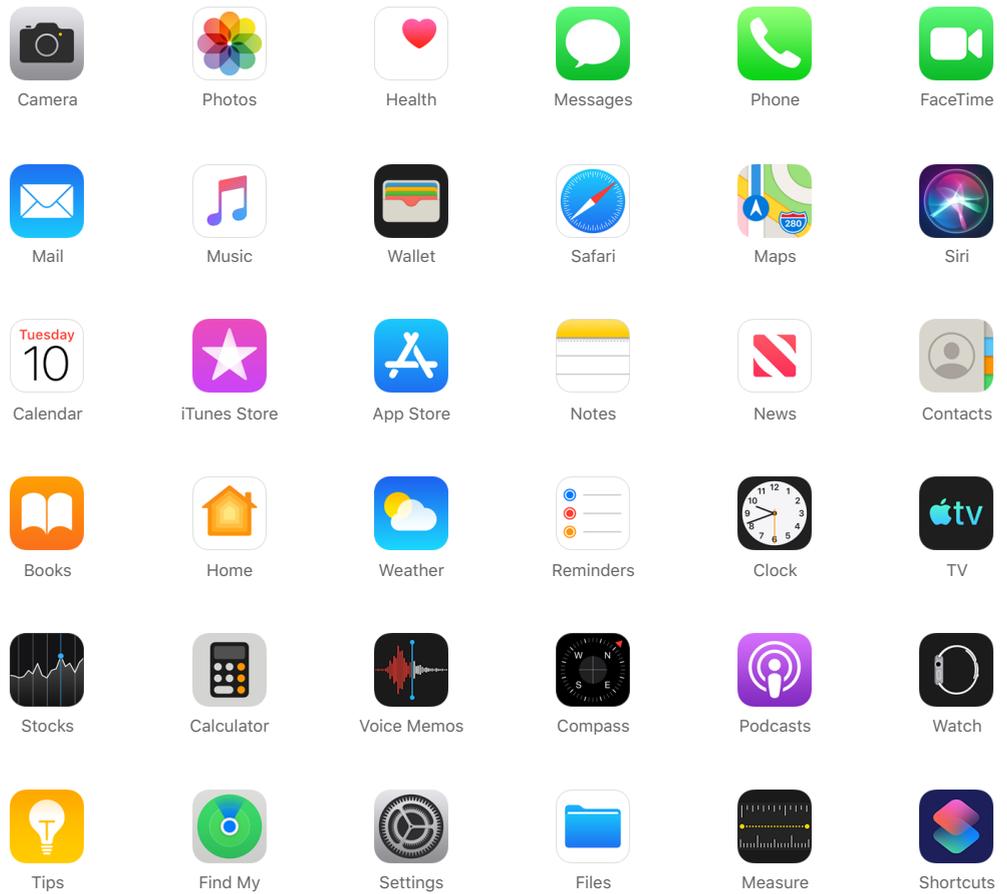
Accessibility features help people with disabilities get the most out of their new iPhone 8. With built-in support for vision, hearing, mobility, and learning, you can fully enjoy the world's most personal device.

**Features include:**

- Voice Control
- VoiceOver
- Zoom
- Magnifier
- RTT and TTY support
- Siri and Dictation
- Type to Siri
- Switch Control
- Closed Captions
- AssistiveTouch
- Speak Screen

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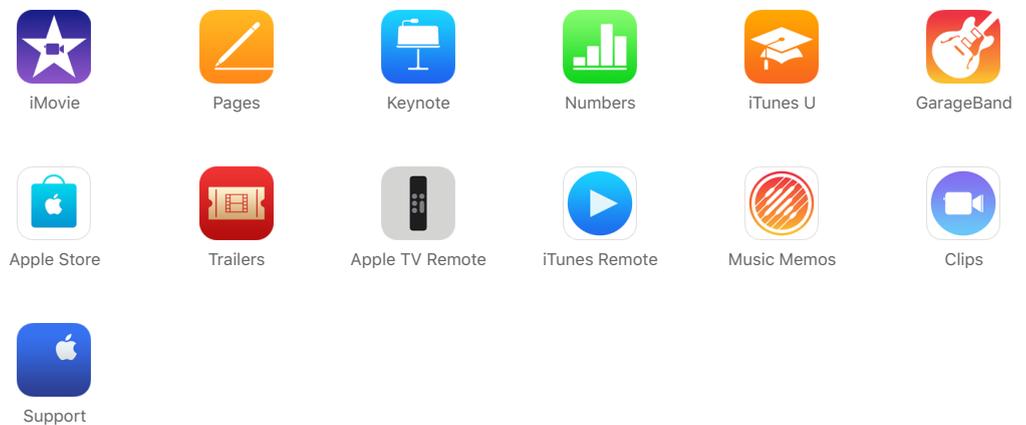
## Built-in Apps



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## Free Apps from Apple

Pages, Numbers, Keynote, iMovie, GarageBand, iTunes U, Clips, and Apple Store app are preinstalled.



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## Headphones

EarPods with Lightning Connector



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## SIM Card

Nano-SIM

iPhone 8 and iPhone 8 Plus are not compatible with existing micro-SIM cards.

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## Mail Attachment Support

### Viewable document types

.jpg, .tiff, .gif (images); .doc and .docx (Microsoft Word); .htm and .html (web pages); .key (Keynote); .numbers (Numbers); .pages (Pages); .pdf (Preview and Adobe Acrobat); .ppt and .pptx (Microsoft PowerPoint); .txt (text); .rtf (rich text format); .vcf (contact information); .xls and .xlsx (Microsoft Excel); .zip; .ics; .usdz (USDZ Universal)

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## System Requirements

Apple ID (required for some features)

Internet access

Syncing to a Mac or a PC requires:

- macOS Catalina 10.15 using the Finder
  - macOS El Capitan 10.11.6 through macOS Mojave 10.14.6 using iTunes 12.8 or later
  - Windows 7 or later using iTunes 12.9 or later
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## Environmental Requirements

**Operating ambient temperature:** 32° to 95° F (0° to 35° C)

**Nonoperating temperature:** -4° to 113° F (-20° to 45° C)

**Relative humidity:** 5% to 95% noncondensing

**Operating altitude:** tested up to 10,000 feet (3000 m)

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## Languages

### Language support

English (Australia, UK, U.S.), Chinese (Simplified, Traditional, Traditional Hong Kong), French (Canada, France), German, Italian, Japanese, Korean, Spanish (Latin America, Mexico, Spain), Arabic, Catalan, Croatian, Czech, Danish, Dutch, Finnish, Greek, Hebrew, Hindi, Hungarian, Indonesian, Malay, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese

### QuickType keyboard support

English (Australia, Canada, India, Singapore, UK, U.S.), Chinese - Simplified (Handwriting, Pinyin QWERTY, Pinyin 10 Key, Shuangpin, Stroke), Chinese - Traditional (Cangjie, Handwriting, Pinyin QWERTY, Pinyin 10 Key, Shuangpin, Stroke, Sucheng, Zhuyin), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese (Kana, Romaji), Korean (2-Set, 10 Key), Spanish (Latin America, Mexico, Spain), Albanian, Arabic (Modern Standard, Najdi), Armenian, Assamese, Azerbaijani, Bangla, Belarusian, Bodo, Bulgarian, Burmese, Cantonese - Traditional (Cangjie, Handwriting, Stroke, Sucheng), Catalan, Cherokee, Croatian, Czech, Danish, Dhivehi, Dogri, Dutch, Emoji, Estonian, Faroese, Filipino, Finnish, Flemish, Georgian, Greek, Gujarati, Hawaiian, Hebrew, Hindi (Devanagari, Latin, Transliteration), Hungarian, Icelandic, Indonesian, Irish, Kannada, Kashmiri (Arabic, Devanagari), Kazakh, Khmer, Konkani (Devanagari), Kurdish (Arabic, Latin), Kyrgyz, Lao, Latvian, Lithuanian, Macedonian, Maithili (Bangla), Malay (Arabic, Latin), Malayalam, Maltese, Manipuri (Bangla, Meetei Mayek), Maori, Marathi, Mongolian, Nepali, Norwegian, Odia, Pashto, Persian, Polish, Portuguese (Brazil, Portugal), Punjabi, Romanian, Russian, Sanskrit, Santali (Devanagari, Ol Chiki), Serbian (Cyrillic, Latin), Sindhi (Arabic, Devanagari), Sinhala, Slovak, Slovenian, Swahili, Swedish, Tajik, Tamil (Anjal, Tamil 99), Telugu, Thai, Tibetan, Tongan, Turkish, Turkmen, Ukrainian, Urdu, Uyghur, Uzbek (Arabic, Cyrillic, Latin), Vietnamese, Welsh

**QuickType keyboard support with predictive inputs**

English (Australia, Canada, India, Singapore, UK, U.S.), Chinese (Simplified, Traditional), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese, Korean, Spanish (Latin America, Mexico, Spain), Arabic (Najdi), Cantonese (Traditional), Dutch, Hindi (Devanagari, Latin), Portuguese (Brazil, Portugal), Russian, Swedish, Thai, Turkish, Vietnamese

**Siri languages**

English (Australia, Canada, India, Ireland, New Zealand, Singapore, South Africa, UK, U.S.), Spanish (Chile, Mexico, Spain, U.S.), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (China mainland, Taiwan), Cantonese (China mainland, Hong Kong), Arabic (Saudi Arabia, United Arab Emirates), Danish (Denmark), Dutch (Belgium, Netherlands), Finnish (Finland), Hebrew (Israel), Malay (Malaysia), Norwegian (Norway), Portuguese (Brazil), Russian (Russia), Swedish (Sweden), Thai (Thailand), Turkish (Turkey)

**Dictation languages**

English (Australia, Canada, India, Indonesia, Ireland, Malaysia, New Zealand, Philippines, Saudi Arabia, Singapore, South Africa, United Arab Emirates, UK, U.S.), Spanish (Argentina, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Panama, Paraguay, Peru, Spain, Uruguay, U.S.), French (Belgium, Canada, France, Luxembourg, Switzerland), German (Austria, Germany, Luxembourg, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (China mainland, Taiwan), Cantonese (China mainland, Hong Kong, Macao), Arabic (Kuwait, Qatar, Saudi Arabia, United Arab Emirates), Catalan, Croatian, Czech, Danish, Dutch (Belgium, Netherlands), Finnish, Greek, Hebrew, Hindi (India), Hungarian, Indonesian, Malaysian, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Shanghainese (China mainland), Slovakian, Swedish, Thai, Turkish, Ukrainian, Vietnamese

**Definition dictionary support**

English, Chinese (Simplified, Traditional), Danish, Dutch, French, German, Hebrew, Hindi, Italian, Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Swedish, Thai, Turkish

**Thesaurus**

English (UK, U.S.)

**Bilingual dictionary support with English**

Arabic, Chinese (Simplified, Traditional), French, German, Italian, Japanese, Spanish, Korean, Dutch, Hindi, Portuguese, Russian, Thai, Vietnamese

**Spell check**

English, French, German, Italian, Spanish, Danish, Dutch, Finnish, Korean, Norwegian, Polish, Portuguese, Russian, Swedish, Turkish

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**In the Box**

- iPhone with iOS 13
- EarPods with Lightning Connector
- Lightning to USB Cable
- USB Power Adapter
- Documentation

