

Developing apps and accessories for the home

Let people communicate with and control connected accessories in their home using your app. With the HomeKit framework, you can provide ways to configure accessories and create actions to control them. Users can even group actions together and trigger them using Siri.



Developing with HomeKit

per.apple.com/apple-home/

1/3

Whether you're an app developer, smart home enthusiast, or manufacturer, you can learn how to use HomeKit to create apps and accessories for the home.

Apps

Learn how iOS, iPadOS, tvOS, and watchOS apps seamlessly integrate with HomeKit accessories.

[HomeKit framework](#)

[Human Interface Guidelines](#)

[HomeKit Videos](#)

[HomeKit forums](#)

Accessories

Learn and explore how to create accessories for your home using the HomeKit Accessory Protocol.

[HomeKit Open Source ADK](#)

To prototype noncommercial accessories

[HomeKit Accessory Protocol Specification](#)

Noncommercial version*

[HomeKit Accessory FAQs](#)

Works with Apple Home badge

The Works with Apple Home badge can be used to visually communicate that your accessory is compatible with the Apple Home app and Siri on Apple devices.



HomeKit

If you plan to develop or manufacture a HomeKit accessory that will be distributed or sold, your company will need to enroll in the MFi Program.

MFi licensees get access to:

- HomeKit Accessory Protocol Specification (commercial version).
- Third-party SDKs for commercial development.
- Works with Apple Home certification and tools.
- Logo artwork and identity guidelines.

[Learn about the MFi Program >](#)

Matter

For Matter-certified accessories, requirements to use the badge will be available soon, along with downloadable artwork files and identity guidelines for packaging and marketing communications.



Get your apps ready for Matter

With the iOS 15 SDK or later, you can test your smart home apps with [Matter](#), the unifying open connectivity standard designed to increase the compatibility of smart home accessories so they work seamlessly with your devices. Existing HomeKit APIs automatically work with Matter-enabled accessories, so you don't need to make any changes to your iOS or iPadOS apps that support HomeKit. Find out more about Matter standard and open source implementation on [GitHub](#).

[Learn how to test with Apple devices ↗](#)

[Watch "Add support for Matter in your smart home app" ▶](#)

* Sign in with your Apple ID to access the HomeKit Accessory Protocol Specification (noncommercial version). If you don't have an Apple ID, create one for free.

Developer Apple Home

Platforms

iOS
iPadOS
macOS
tvOS
watchOS

Tools

Swift
SwiftUI
Swift Playgrounds
TestFlight
Xcode
Xcode Cloud
SF Symbols

Topics & Technologies

Accessibility
Accessories
App Extensions
App Store
Audio & Video
Augmented Reality
Business
Design
Distribution
Education
Fonts
Games
Health & Fitness
In-App Purchase
Localization
Maps & Location
Machine Learning
Security
Safari & Web

Resources

Documentation
Curriculum
Downloads
Forums
Videos

Support

Support Articles
Contact Us
Bug Reporting
System Status

Account

Apple Developer
App Store Connect
Certificates, IDs, & Profiles
Feedback Assistant

Programs

Apple Developer Program
Apple Developer Enterprise Program
App Store Small Business Program
MFi Program
News Partner Program
Video Partner Program
Security Bounty Program
Security Research Device Program

Events

Events Overview
App Accelerators
App Store Awards
Apple Design Awards
Apple Developer Academies
Entrepreneur Camp
Tech Talks
WWDC

To view the latest developer news, visit [News and Updates](#).

Light Dark Auto

Copyright © 2022 Apple Inc. All rights reserved. [Terms of Use](#) | [Privacy Policy](#) | [Agreements and Guidelines](#)