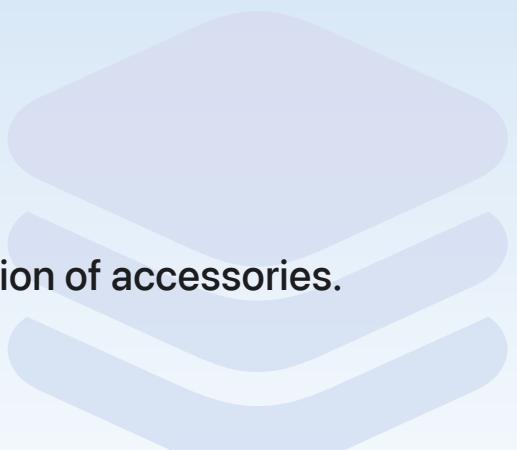


Framework

AccessorySetupKit

Enable privacy-preserving discovery and configuration of accessories.

iOS 18.0+ | iPadOS 18.0+



Overview

Use AccessorySetupKit to discover and configure Bluetooth or Wi-Fi accessories with images and names provided by the app. Allow seamless, privacy-preserving user consent and control for Bluetooth, Wi-Fi, and Local Network permissions. AccessorySetupKit apps can access enhanced accessory controls including accessory pairing removal and renaming.

To use AccessorySetupKit with [Wi-Fi Aware](#), specify Wi-Fi Aware properties in a [ASDiscoveryDescriptor](#) prior to beginning accessory discovery.

Important

AccessorySetupKit is available for iOS and iPadOS. In watchOS 26 and later, if someone sets up an accessory with your iOS app by using AccessorySetupKit, a companion watchOS app can also use CoreBluetooth to communicate with the new accessory and any other accessories.

Topics

Essentials

{ } Setting up and authorizing a Bluetooth accessory

Discover, select, and set up a specific Bluetooth accessory without requesting permission to use Bluetooth.

Discovering and configuring accessories

Detect nearby accessories and facilitate their setup.

`class ASAccessorySession`

A class to coordinate accessory discovery.

Accessory discovery

`class ASAccessoryEvent`

Properties of an event encountered during accessory discovery.

`enum ASAccessoryEventType`

An enumeration of the types of events encountered during accessory discovery

`class ASDiscoveryDescriptor`

Descriptive traits used to discover accessories.

Accessory description

`class ASAccessory`

An accessory discovered by the accessory session.

`class ASDiscoveredAccessory`

A discovered accessory, for use in creating a customized picker display item.

`enum AccessoryState`

An enumeration of possible authorization states of an accessory.

Displaying picker items

`class ASPickerDisplayItem`

An accessory as presented by the discovery picker.

`class ASDiscoveredDisplayItem`

A picker display item created from customizing a discovered accessory.

`class ASMigrationDisplayItem`

A previously-discovered accessory as presented by the discovery picker, for use when migrating it to AccessorySetupKit.

Information property list keys

NSAccessorySetupSupports

An array of strings that indicates the wireless technologies AccessorySetupKit uses when discovering and configuring accessories.

NSAccessorySetupBluetoothCompanyIdentifiers

An array of strings that represent the Bluetooth company identifiers for accessories that your app configures.

NSAccessorySetupBluetoothNames

An array of strings that represent the Bluetooth device names or substrings for accessories that your app configures.

NSAccessorySetupBluetoothServices

An array of strings that represent the hexadecimal values of Bluetooth SIG-defined services or custom services for accessories your app configures.

Errors

struct ASError

An error encountered during accessory discovery.

let ASErrorDomain: String

NSError domain for AccessorySetupKit errors.

enum Code

Codes that describe errors encountered during accessory discovery.