



HomeKit Certification Assistant (HCA)

User Guide

Revision 2

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Chapter 1

Introduction

1.1 Overview

This document describes HomeKit Certification Assistant (HCA) and how it can be used during the self-certification process for HomeKit accessories.

HCA contains two modes: Certification Mode and Test Mode.

Note

HCA is not a comprehensive certification solution. It is your responsibility to ensure the accessory complies with all requirements. If no errors are generated while running test cases, it is neither guaranteed nor implied that the accessory has met all requirements.

1.2 Certification Mode

Certification Mode allows you to run self-certification tests and submit the results to Apple. You must have a business Apple ID registered to access MFi Program systems. To create/register your Apple ID, please follow all of the steps described on the login help page: <http://mfi.apple.com/loginhelp>.

HCA will present you with a list of your product plans that are available for self-certification. If you want to test your accessory in HCA but do not wish to submit your results, select Test Mode.

If testing progress is interrupted before finishing all test cases, you will not be able to submit results to Apple.

1.3 Test Mode

Test Mode allows you to run self-certification tests without submitting results to Apple. All test cases that apply to the discovered accessory will be listed. Use the checkboxes to the left of the test case ID to select which tests you'd like to run.

No Apple ID or product plan is not required to use Test Mode.

1.4 Test Cases that Require User Interaction

A selection of test cases include "requires user interaction" in the title. These tests are not fully automated and rely on input from the user to identify visible state changes to the accessory, such as fan rotation speed and lightbulb brightness.

Chapter 2

Quick Start

2.1 Discovery and Pairing

After launching HCA, dismiss the welcome window and select either Test Mode or Certification Mode. Nearby HomeKit IP accessories and HomeKit BLE accessories on your network should appear in the list of available accessories. You may use the search box to filter the list by accessory name or address.

Click the "Start Pairing" button then enter the accessory's pairing code. Select "Accessory generates pairing code" if the accessory has a dynamic pairing code. Click "Send" to pair and begin testing.

2.2 Running Tests and Reviewing Results

As test cases are running, you'll be able to monitor progress and click the "Results" button to see errors that caused failures for the selected test case.

Once testing is complete, you may click "Open Trace" to open and inspect the trace in HAT.

Note

Opening a trace requires HomeKit Accessory Tester (HAT) to be installed. You may download HAT from mfi.apple.com. If you have multiple versions of HAT on your Mac, make sure the trace opens in the correct version by opening that version of HAT before clicking the "Open Trace" button.

Chapter 3

Revision History

Date	Rev	Notes
2016-10-13	1	First revision
2016-11-16	2	Added Certification Mode to HCA