iAP2 over USB-C Recertification Guide for iPad

January 2023

Overview

This document applies to iAP over USB-C accessories that completed certification prior to 27 October 2022, and now wish to claim compatibility with USB-C based iPad models.

Initiating Recertification in the MFi Portal

Step-by-step instructions:

1. Select "Product Plans" from the top menu bar and then click "Product Plans."

2. Enter the Product Plan ID of the accessory in the search field or select the Product Plan from the list on the page.

3. Click "Start update" at the top right of the page.

4. In the "Update Product Plan" overlay, select "Add additional Apple model(s) that will be supported by your accessory."

5. On the "Compatible Models" page, select the iPad models which will be supported by your accessory.

6. Click "Submit." You will receive an email notification once the Product Plan Update has been approved.
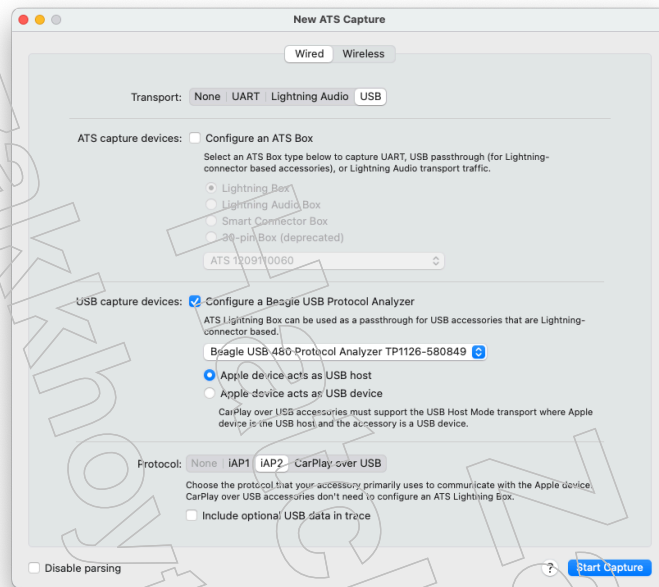
Running ATS

Once your Product Plan update has been approved, the next step is to run Accessory Test System (ATS). Because the ATS Certification Assistant does not support iAP2 over USB-C traffic at this time, you will need to manually capture a trace using the Beagle USB 480 analyzer.

Note: The Beagle USB 480 analyzer is currently limited to capturing USB 2.0 speed.

Step-by-step instructions:

1. Disconnect the ATS Lightning Box from the Beagle USB 480 analyzer.

2. Select the "Wired" tab in the "New ATS Capture" window. Make sure no selection is made for "ATS capture devices." Only "USB capture devices" and "Protocol" selections are required.

3. "Start Capture."

4. Connect the Apple device to the USB-A port on the Beagle USB 480 analyzer (utilizing an adapter if necessary).

5. Connect to the accessory using the USB-B port on the Beagle USB 480 analyzer (utilizing an adapter if necessary).

6. Use the accessory to exercise all supported iAP features.

7. Save the trace to your preferred file location.

8. Navigate to the "Recertification" section of the Product Plan page in the MFi Portal.

9. Click "ATS" under "Run Certification Tools" in the left navigation bar. Click "ATS-001" and click "Upload New" to upload the trace file captured from the Beagle USB 480 analyzer.

10. Under Test results, select the status "N/A" and click "Submit."

Complete Packaging Certification

Click "Complete Packaging Certification" under the "Packaging Certification" section in the left navigation bar to complete packaging certification.