Remote Management API: Testing Preparation

Introduction

This guide covers how to prepare Amazon Signage devices for Remote Management API testing. It assumes you are an onboarded CMS provider with an APK that integrates the Remote Management API and is ready to test.

The API requires a minimum OS version as follows:

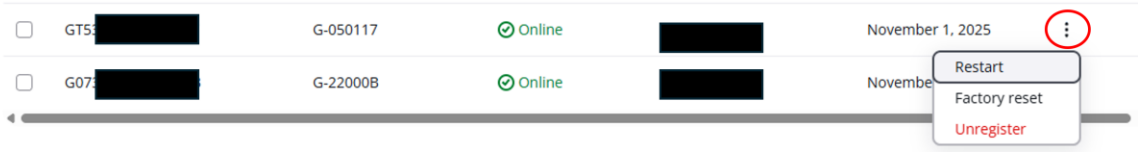
- Amazon Signage Stick: OS RS8404.3623N or later supports the V1 APIs. RS8404.3670N or later adds V1.1 API support. RS8404.3690N or later adds V1.2 API support. RS8405.4174N or later adds V1.2.2 API support.
- Amazon Signage Display: OS RS8407.3923N or later supports all of these API versions.

You provision devices through our demo backend so they receive the OS update over the air (OTA), then sideload your APK and begin testing.

Steps

Step 1: Prepare your devices and send their DSNs

If you are reusing already-provisioned devices, first factory-reset them, then unregister them at https://console.signage.amazon.com/ using the account that originally provisioned them.



As with initial onboarding, email signage-stick-api-support@amazon.com with the DSN (device serial number) of each Amazon Signage device you plan to use for development and testing, and your app's package name. ADS adds the devices to the demo backend.

Step 2: Provision the devices

- Power on an Amazon Signage Display or an Amazon Signage Stick connected to a display.
- Complete the setup with the physical remote. Setup from the mobile app is not supported in this environment.
- Once the device has joined a network, it prompts you to log in at https://demo.signage.amazon.com. This prompt confirms that the device was added to the demo backend. If you don't see the prompt, contact us before continuing.
- On your computer, log in to https://demo.signage.amazon.com with an existing or new account, then complete provisioning by selecting your CMS.

Step 3: Wait for the OS update and check the version

Wait for the OS update to complete before proceeding. OS updates are scheduled between 2 AM and 4 AM local time, so keep devices powered overnight. To check the OS version, use either method:

- On the device (for an Amazon Signage Stick, connect it to a display first), go to Settings → About device → Build number.
- Connect the device to a computer with a USB cable, turn on USB ADB as described in step 4, and run `adb shell getprop ro.build.id`.

Confirm that the build number meets the minimum OS version listed in the Introduction.

Step 4: Turn on USB ADB

Before running any adb command in this guide, turn on USB ADB. It is off by default on production firmware. Using the paired Bluetooth remote, press and hold Up on the directional pad and the TV button together for 5 seconds, until a message confirms that ADB is enabled. USB ADB turns off when the device restarts, including the restart after an OS update, so repeat this step after each restart.

Step 5: Sideload your APK

Replace the CMS installed during provisioning by sideloading your APK:

```
adb install -r my-app.apk
```

Note: Some system information APIs, such as CPU load and CPU/GPU temperature, return synthetic values in this test environment. The API Demo App document lists the values that the Demo app returns.