

# SAGE 3.2.4 General Release Notes

## Introduction

The SAGE Release Notes detail the features that are supported in the current release version(s). The notes also list the platforms that are currently supported and any additional ones that are newly added since the last release. There are example applications included in the SAGE binary release which demonstrates the SAGE functionality.

## Supported Unified Reference Software Releases (URSR)

- 17.1

For future URSR releases not listed above, please check with your Broadcom FAE for compatibility.

## Supported SAGE Bootloader

- SAGE 3.2.4 requires SAGE Bootloader version 3.2.4.

## Notable Changes Since SAGE 3.1.4

### 3.2.1

- Improved Netflix stability on multiple init/uninit
- Added support for secure HDMI receiver
- Improved Netflix Secure Store API
- Added initial DTU support (static) in SAGE
- Fixed common DRM TAs not loading
- Fixed crash on board with  $\geq$  4GB in size
- Added 7271B0 SAGE support
- Added 7268B0 SAGE support
- Fixed Widevine crash during uninit
- Fixed for Netflix virtual clock reported time
- Removed 7364A0 Support
- Separated Common DRM TA into individual TAs
- Updated PlayReady Device Porting Kit (PK) from 3.0 to 3.2
- Allow Nexus apps to re-run on production parts after a clean Nexus exit.

### 3.2.2

- None

### 3.2.3

- Fixed memory leak in HDCP 2.2 repeater testing

### 3.2.4

- Fixed long term testing failure

## Supported Base SoC (Zeus 4.2)

BCM7445D0/E0, BCM7439Bx, BCM7366B0/C0, BCM7364B0/C0, BCM7250B0, BCM7260A0, BCM7271A0/B0, BCM7268A0/B0

## Host SAGE Example Applications

The Broadcom Heartbeat application that tests if SAGE is running is located at: *BSEAV/lib/security/sage/utility/examples/heartbeat*

To run this application, execute the following command on the target platform: *./nexus heartbeat\_tool*