



## TECHNICAL BULLETIN

CODEX PRODUCTION SUITE  
5.1.1-05490

RELEASE NOTES

21 SEPTEMBER 2020



# Codex Production Suite 5.1.1-05490 Release Notes

Codex is pleased to announce the release of Codex Production Suite 5.1.1-05490.

Codex Production Suite 5.1.1 is a patch release that includes the following features and fixes since release 5.1.0-05460:

## New Features

### In 5.1.1-05490:

- 'Licensing...' option in Device Manager menu opens System Preferences > Codex > Licensing.
- 'Activate Code' and 'Release Code' options in Licensing to support 'HDE for any CFast reader' licence.
- Update to R3D SDK 7.3.4.
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### In 5.1.0-05460:

- Update to ARRIRAW SDK 6.2.2.0.
- X2XFUSE replaces OSXFUSE.
- Warn if Finder attempts to copy HDE files, which it does not support correctly.
- Include MXF/Apple ProRes files in HDE volume along with ARX files from MXF/ARRIRAW material.
- Improve source integrity checks when providing ARI files in the VFS.
- Update file structure for ARI to match that of ARX (remove resolution, wav, and xml folder levels).
- Improve VFS performance for machines with more than 12 cores.
- Update to SonyRawDev 3.3.0 and SMDK 4.19.0.
- Update ACES IDT for Sony Venice. (Licence required for Sony Venice support)
- Notify if a volume cannot be loaded due to containing an unsupported future shot version.
- ARRIRAW SDK 6 with latest sharpness and detail options can now be used for deliverables.
- Allow editing of WB, EI, and Tint for Sony Venice material in Review.
- Disable XFS option for Transfer Drives.
- Support for multiple CDL tracks in Review.
- Allow Clone with HDE from MXF/ARRIRAW clips to CodexFS (HDE licence required).
- Improve performance when importing MXF/ARRIRAW files to CodexFS.
- Notify user and log any CRC errors that occur through the VFS.
- Warn if improper eject occurs on Codex media with any formatting.
- Licensing controls now available in System Preferences pane on macOS.
- Update to ATTO driver 2.6.5.
- Update to Codex RAID driver 1.1.60.

## Fixes

### In 5.1.1-05490:

- Fix to prevent issue showing drive contents if a roll name is duplicated.
- Fix to prevent issue starting Review on Vault XL and S.

### In 5.1.0-05460:

- Fix to ensure HDE material on CodexFS is presented as ARX without needing a licence.
- Fix to ensure CFast/RED media loaded via an adaptor is cleanly unmounted.
- Fix to improve robustness when reading MXF/ARRIRAW files.
- Ensure that Codex RAID driver is ticked for installation by default.
- Fix to ensure custom coarse/fine adjustments to WB and Tint work in Review.
- Fix to ignore embedded ICC profile when importing PNG into Review.
- Fix to prevent Tint from sometimes changing by 0.5 instead of 1.0 in Review.
- Fix to ensure Compact Drive can be erased on Vault XL and Vault S.
- Fix to prevent additional "clipUuid" field in ALE from R3D files.
- Fix to improve SonyRAW thumbnail rendering and playback in Review.
- Fix to prevent Vault Platform crash after applying changes from ALE.
- Fix to ensure dynamic focus distance is written to EXR sequence headers.
- Fix to show network settings errors on remote Vault Platform UI.
- Fix to ensure Library Filter panel is updated when media is removed.
- Fix to ensure that configuration files are backed up during installation.

- Fix to handle rare case where a Compact Drive can take a long time to load.
- Fix to ensure that HDE material cloned from CodexFS is written to external disk as ARX files.
- Fix for handling of R3D files at 2592x2160 resolution.
- Fix to prevent HDE volume appearing when CFast card contains only ProRes files.
- Fix to ensure that creation time on files in VFS volumes reflects the original clip creation time.

## Known Issues

At Codex every software release undergoes extensive regression testing. Issues that are found during testing are normally fixed before the release. However sometimes we decide to not modify the software to address an issue, for instance if there is a simple workaround and the issue is rare, not severe, or if it is a consequence of the design. In such cases it may be better to avoid the risk of introducing new unknowns by modifying the software.

The known issues for this software release are listed below:

- During installation on new macOS High Sierra machines and above, Security & Privacy settings need to be opened manually to grant permission to run FUSE and Codex Dock drivers.
- When doing an LTO archive on macOS, the tape must be manually inserted to the drive before the Archive task is started.
- An XR Capture Drive formatted with an ARRI RAID will not load on a Capture Drive Dock (USB-3) if the status has become degraded, for example due to power loss during recording. In this state the Capture Drive can be loaded on a Capture Drive Dock (Thunderbolt) or (SAS).
- Archive of a duplicate linked clip will only back up a single copy of that clip.
- Changes to settings are not saved if Vault Platform UI is quit whilst in edit mode.
- Ejecting a Capture Drive whilst playing back clips in Vault Review can cause issues starting Vault Review again.
- Clips in use for a Job are in a 'locked' state, and cannot have metadata changes saved by Vault Review (such as colour changes or QC marks).
- Deliverables from the VFS do not contain audio synced by reference. The Generate task should be used to create deliverables with synced audio.
- Running two simultaneous Archive tasks on the same clips will result in a verification failure.
- Rare FUSE issue causes 'Codex VFS' to sometimes not mount. Restart server from 'System Preferences->Codex' to resolve this.
- Depending on which additional Thunderbolt devices are connected, if your Mac goes to Sleep when it is woken it may not detect Codex Thunderbolt Docks. To resolve this either restart the Mac, or go to System Preferences > Codex and click 'Stop Server' followed by 'Start Server' to restart the Codex background services.
- Clone to external drive will fail if a file is larger than 4GB and the target disk is FAT32, due to filesystem limitations.
- **Silverstack users:** version 6.4.7.6-6570 or higher of Silverstack is required to work with the Device Manager release.
- **Hedge users:** version 19.4.7 (or higher) of Hedge is required to work with Device Manager 5.1.

Please contact [support@codex.online](mailto:support@codex.online) if you find a bug in our software or any other issue that should be addressed with high priority.