



# Imagestore-750

## Release Notes

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[www.grassvalley.com](http://www.grassvalley.com)

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# Introducing the Imagestore 750 v4.10

The following sections identify the new features, enhancements and bug fixes that were addressed in the Imagestore 750 since the original v4.10 release.

## Version v4.10.3

### Fixes

#### **IMST-123: IS750 takes too long to reconnect to an NV9000 after a connection fail-over**

The problem was caused by a change in how Windows 10 handles network shut-downs. The way that failed connections are now detected by the IS750 has been changed to ensure a reconnection after around 10 seconds.

#### **IMST-112: Audio preset tallies (jo1) were not sent after a YC1 command when preset filenames were empty**

Audio preset (jo1) tallies are now sent regardless of whether a preset filename is set or not.

#### **IMST-97: Diagnostic logs don't archive correctly after corruption to temporary files**

If file system corruption occurred on the Imagestore 750's temporary file storage area, for example due to an unexpected power outage, it was possible that the device's diagnostic logs might fail to archive correctly. This problem persisted even after performing a hard reset. This issue has been fixed so diagnostic logs are correctly archived again once the device has been rebooted.

## Version v4.10.2

### New Features

#### **IMST-109: Disable IDE cable detection for Sandisk 64GB SDCFX-064G-X46**

Support has been added for the SanDisk Extreme CompactFlash 64 GB Memory Card (SDCFX-064G-X46). The LGK-3901 incorrectly detected the cable type for this CompactFlash card. IDE cable detection has been disabled to ensure the speed is not incorrectly downgraded.

# Version v4.10.1

## Fixes

### **IMST-93: Playout of Easytext templates that use a square text aspect ratio do not align with the preview from TextBuilder**

The playout of Easytext templates with a square text aspect ratio was not handled correctly and the text was rendered wider than the preview given in TextBuilder. The effect was more noticeable in HD output modes than in SD output modes. The aspect ratio is now handled in the same way as in Text Builder, so the preview and playout now match.

# Version v4.10

## New Features

### **IMST-43: Added support for a Dolby metadata dependent audio multiplexor**

Added support for a "Metadata Dependent Multiplexor" mix block that will switch between two sources of audio and metadata depending on the presence of Dolby metadata. The mix block will clean cut between the two audio sources.

### **IMST-42: Added ability to automatically preset the last programme source**

Added a new configuration option within the Master Control preferences section. When set "true", Imagestore automatically makes a new preset route that matches the previous programme route at the end of a transition. When coupled with the "Re-arm mix on PST bus source change" option, an iMC system can switch between two sources using only the Take button.

### **IMST-40: Added aspect ratio for rendering 16:9 text on an SD output**

Support for saving the Text Aspect Ratio into the Easytext file has been added to Text Builder and Imagestore. This allows text to be rendered as 16:9, 4:3 or square pixels on the output device. This addresses a limitation where the Imagestore was always rendering text as 4:3 on SD output formats and 16:9 on HD output formats.

### **IMST-29: Added option to block S2020 passthrough**

A new option has been added in the Audio Graph Configurator to block S2020 passthrough. The SDI PGM Output block and SDI CLF Output block now have an additional parameter called s2020\_passthrough. This also fixes an existing issue that would cause S2020 passthrough to be blocked even if nothing was connected to the VANC metadata pins.

# Fixes

## **IMST-78: Field sync interrupts stop working on field counter wraparound**

The device stopped getting field sync interrupts when it ran for several years without being restarted. This problem has now been resolved and the field sync interrupt works correctly.

## **IMST-76: Backup metadata on Dolby Decoder does not work**

The backup metadata input on the Dolby Decoder would not pass metadata. As a result, the reversion metadata was always used whenever Dolby E was absent. A fix has been put in place to ensure backup metadata passes through correctly.

## **IMST-75: HRS control may fail due to unhandled raw data from the Densite controller**

Fatal errors were encountered when an Imagestore was being configured for HRS. A fix has been made to ensure that when an Imagestore is configured for HRS control the driver will connect and control the HRS without fatal error messages.

## **IMST-51: Full update with HW initialisation is not working on LGK platform.**

When a full software re-initialisation on LGK was attempted, it would fail. As a result, the media folder content would not be erased and the configuration would not reset to the default value. This problem has now been resolved so a full software re-initialisation will erase all the contents of the media folder and reset the configuration to the default value.

## **IMST-39: Pre-Load/Load mechanism is occasionally not working properly**

When a media file was pre-loaded and then a different file was loaded, the pre-loaded file would fail to go on air correctly. A fix has been made so the pre-loaded media file will now go to air correctly in this situation.

## **IMST-35: Setting audio types to anything other than "Audio" does not work**

The audio types in the AES channel status was always set to "Audio" and could never be set to "Non-Audio". A fix has been put in place so that it correctly follows what is configured in the audio graph.

## **IMST-28: Memory leak in Easytext templates causing out of memory error**

Out of memory errors and the failure of subsequent OxSox commands occurred as a result of a memory leak when thumbnails were created for transmission over OxSox. Fixes have been made to fix the memory leak and prevent any further out of memory errors related to the issue.

## **IMST-16: XMS asset names are not being renamed correctly**

The renaming of XMS asset names was not working properly. The file would appear to be deleted both on the XMS user interface and the LGK website asset viewer. This has now been fixed and the file renaming is working as expected.

# **Software Upgrade via Imagestore 750 Web Page**

## **Overview**

- This is the preferred mechanism for upgrading software
- It requires Imagestore 750 software version 2.x or later to be running
- The software upgrade CPIO file is called: is750-4.8-xxx.cpio

## **Procedure**

1. Open a web browser and type in the IP address of the Imagestore 750.
2. Log into the Imagestore 750 web page using the password "miranda".
3. Select the "Software Upgrade" link in the left-hand menu.
4. Select the "Browse" button in the Software Upgrade section, and then select the CPIO file.
5. Check the "Are you sure?" checkbox and then select the "Software Upgrade" button.
6. Monitor progress on the Imagestore 750 front panel. This will run through several parts ending with the message "DONE!".
7. After the software upgrade is complete, the Imagestore 750 will automatically power cycle and restart running the new software.

**WARNING:** Do not power off the device during an upgrade since doing so may render the unit inoperable. Upgrades can take up to 15 minutes depending on hardware options.

# **Software Upgrade via Bootable USB Key**

## **Overview**

- This mechanism should be used for upgrading Imagestore 750 running software earlier than version 2.x
- This mechanism may also be used for recovery should the Imagestore 750 fail to start up or the web page fail to open
- The software upgrade CPIO file is called: is750-4.8-xxx.cpio
- The ZIP file for creating a bootable USB key is called: is750-update-v44-008.zip

## **Procedure: Format USB key**

The USB key must contain a partition table and primary partition greater than 2MB. If this is already

the case then move to the next section; otherwise format the USB key as follows:

1. Insert the USB key into a PC running Windows XP.
2. Open the Control Panel and select: Administrative Tools > Computer Management > Disk Management. **NOTE:** Do not right-click anywhere within the Disk Management window since this will cause the Delete icon to disappear.
3. Left-click on the USB volume (top right panel) and then left-click on the "Delete" icon in the toolbar.
4. When prompted, confirm that the USB partition should be deleted.
5. Left-click on the unallocated USB volume (bottom right panel), and from the menu select: Action > All Tasks > New Partition.
6. Accept all defaults in the New Partition Wizard to create a new primary partition on the USB key.

### **Procedure: Create Bootable USB Key from Update ZIP File**

1. Insert the USB key into the Imagestore 750.
2. Open a web browser and type in the IP address of the Imagestore 750.
3. Log into the Imagestore 750 web page using the password "miranda".
4. Select the "Software Upgrade" link in the left-hand menu.
5. Select the "Browse" button in the Create Bootable USB Key section, and then select the ZIP file.
6. Check the "Media Inserted?" checkbox and then select the "Create" button.
7. Monitor progress on the Imagestore 750 front panel until it shows "DONE! Press Any Key".
8. The Imagestore 750 now will boot off the USB key when it is restarted

### **Procedure: Software Upgrade via a Bootable USB key**

1. The bootable USB key contains an HTTP server which is used for upgrading the Imagestore 750 software.
2. Insert the bootable USB key and then restart the Imagestore 750.
3. Wait for the front panel to display the message "Goto HTTP Server xxx.xxx.xxx.xxx".
4. Remove the bootable USB key from the Imagestore 750.
5. Open a web browser and type in the IP address of the Imagestore 750. **NOTE:** It may be necessary to clear the browser cache.
6. Select the "Browse" button, and then select the CPIO file.
7. Check the "Are you sure?" checkbox and then select the "Software Upgrade" button.
8. Monitor progress on the Imagestore 750 front panel. This will run through several parts ending with the message "DONE!".
9. After the software upgrade is complete, the Imagestore 750 will automatically power cycle and restart running the new software.

**WARNING:** Do not power off the device during an upgrade since doing so may render the unit inoperable. Upgrades can take up to 15 minutes depending on hardware options.

# **Software Release Notes**

## Upgrade Notes

- Imagestore 750 v3.1.x and above includes support for SNMP traps covering a range of different system states. The red LED on the front of the unit indicates an overall unit alarm severity - (from the list below). If the LED is lit after a software upgrade then one or more individual alarm conditions will have been met - (the file '/var/log/alarms' lists these). The cause of the individual alarms should then either be corrected, or the individual alarm levels demoted to "Normal" via the front panel Config Alarms menu (provided they are considered acceptable).
  - Normal - Off
  - Minor - On
  - Major - Slow Blink
  - Critical - Fast Blink
- For systems that use DVE sequences, the configuration settings have been changed in v3.1.2 and above. After upgrading from v3.1 (or earlier) please check the following settings to ensure correct functionality:
  - System Settings - Video - Video Frame Delays - program input frame delay: Set this to 1 frame (interlaced) or 2 frames (progressive) if DVE sequences will be used on PGM
  - System Settings - Video - Video Frame Delays - preview input frame delay: Set this to 1 frame (interlaced) or 2 frames (progressive) if DVE sequences will be used on PVW
  - System Settings - DVE - DVE Program - program router mode: Set this to 'enabled' for PGM DVE to be in-circuit on restart, or 'disabled' otherwise
  - System Settings - DVE - DVE Preview - preview router mode: Set this to 'enabled' for PVW DVE to be in-circuit on restart, or 'disabled' otherwise
- Please note that the DVE mode settings only define the start-up behaviour of an Imagestore 750.

# Grass Valley User Documentation

Release Notes, product manuals and other user documentation is available online via the Grass Valley Documentation Library at <http://www.grassvalley.com/docs/page>

Access to Release Notes, product manuals and white papers is prohibited without authentication. There are multiple authentication paths available to verify your identity.

Broadcast customers:

- If you already have a Grass Valley Service Portal account, you can login via <http://www.grassvalley.com/support/portal>
- If you do not have a Grass Valley Service Portal account, you can request one via [http://www.grassvalley.com/support/service\\_portal\\_access\\_request](http://www.grassvalley.com/support/service_portal_access_request)

Alternately:

- If you already have a Grass Valley website account, you can login via <http://www.grassvalley.com/auth>

- If you do not have a Grass Valley website account, you can sign up via <http://www.grassvalley.com/account>

## Contact Us

For technical assistance, contact our international support center at 1-800-547-8949 (US and Canada) or +1 530 478 4148.

To obtain a local phone number for the support center nearest you, please consult the Contact Us section of Grass Valley's web site (<http://www.grassvalley.com/contact>). An online form for e-mail contact is also available from the web site.

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