Release Notes

MOD-DOLBY-ENC-D-2 – Upgrade Package 5.1.1.0

Release Version	Comprising:		Release Date	Version Details	User Manual for this release (Grass Valley document #)
	Firmware Version	Software Version			
5.1.1.0	5.1.1.0	N/A	2014.05.31	(go)	N/A
5.1.0.6	5.1.0.6	N/A	2014.03.31	(go)	N/A

Upgrade Package Release History

NOTES: The iControl compatibilities shown below are officially supported by Grass Valley. Earlier versions may also work, with bugs or limited features.

The Reference number (Ref#) given for each feature or bug in these Release Notes refers to internal Grass Valley documentation.

UPGRADE PACKAGE: 5.1.1.0

Release date: 2014-05-31

iControl compatibility (Dolby Digital): 4.13 (build 49)

iControl Solo compatibility (Dolby Digital): 4.13 (build 49)

iControl compatibility (Dolby Digital Plus): 5.0 (build 17)

iControl Solo compatibility (Dolby Digital Plus): 6.0 (build 89)

RCP-200 compatibility: NA

Custom software compatibility: NA

Hardware compatibility: This upgrade package applies to all existing hardware assemblies.

ENHANCEMENTS & NEW FEATURES

Ref#	Description
---	None.

BUGS FIXED IN THIS RELEASE

Ref #	Description
DSP957-66	**MOD-DOLBY-ENC-D-2 starts with some default parameter values when the Densite card is reslotted.** When the Densite card is inserted in the frame, some parameter values sent by the card to the MOD-DOLBY-ENC-D-2 module may not be received. The module maintains the corresponding default values but the card is not aware of this. In the case where a module and card parameter value is different, the card's iControl user interface displays a value that does not reflect the actual module configuration. An example is the data rate parameter. The module default value is 256 kbps. If the user configures another value and the card is later reslotted, the module will encode at 256 kbps while the iControl interface displays the user's chosen data rate.

KNOWN BUGS & LIMITATIONS

Ref #	Description
XVP3901-1454	**Updating the MOD-DOLBY-ENC-D-2 firmware fails when both MOD-DOLBY-ENC-D and MOD-DOLBY-END-D-2 modules are installed on a XVP-3901.** For XVP-3901 versions prior to 320. The installed module's firmware version is indicated in the XVP-3901 iControl user interface. The MOD-DOLBY-ENC-D has a version that is 1.x.y.z and the MOD-DOLBY-ENC-D-2 has a version that is 5.x.y.z. The firmware update package for the MOD-DOLBY-ENC-D-2 module is different than the MOD-DOLBY-ENC-D package. The two installed modules are detected as Dolby Digital encoders by the XVP-3901 so it tries to apply the firmware update to both simultaneously. The update fails after the first file of the package since it is not recognized by the MOD-DOLBY-ENC-D module even though it was accepted by the MOD-DOLBY-ENC-D-2 module. Workaround: Physically remove the MOD-DOLBY-ENC-D module from the XVP-3901 and do the update again. If "MOD-DOLBY-ENC-D" is not indicated on the module, look for "Dolby Laboratories" or "CAT559". After successful completion, reinstall the MOD-DOLBY-ENC-D module.

XVP3901-1615	**Downgrading the MOD-DOLBY-ENC-D-2 firmware may fail.** The MOD-DOLBY-ENC-D-2 module with the assembly number 0957-0100-3xx has a different flash component. Firmware versions starting with 5.0 are incompatible with this assembly. Firmware versions starting with 5.1 and later are compatible will all assemblies. The assembly number is indicated on a sticker on the module. This number is not shown in iControl. <table><tr><td>**Firmware version**</td><td>**0957-0100-1xx**</td><td>**0957-0100-2xx**</td><td>**0957-0100-3xx**</td></tr><tr><td>5.0.x.x</td><td>OK</td><td>OK</td><td>incompatible</td></tr><tr><td>5.1.x.x and later</td><td>OK</td><td>OK</td><td>OK</td></tr></table> If a Densite card (for example XVP-3901, DAP-1781, etc.) has a MOD-DOLBY-ENC-D-2 module with assembly number 0957-0100-3xx installed, downgrading to v5.0.x.x will fail because the module will block this incompatible firmware. If a Densite card with two slots (for example XVP-3901, etc.) has two MOD-DOLBY-ENC-D-2 modules installed, with at least one with assembly number 0957-0100-3xx, downgrading to firmware v5.0.x.x will fail for both modules because the process is aborted if at least one module upgrade/downgrade fails. Workaround: In the case of two MOD-DOLBY-ENC-D-2 modules installed, with one having assembly number 0957-0100-3xx, physically remove the MOD-DOLBY-ENC-D-2 module with the assembly number 0957-0100-3xx from the Densite card and do the downgrade again. When complete, reinstall the module.
---	**Miranda Interface Updater (MIU) v2.71 or later must be used to update the MOD-DOLBY-ENC-D-2 firmware** The Miranda Interface Updater (MIU) v2.71 is the first version of the application that supports firmware upgrades of modules installed on Densite cards. The version is displayed in the Help > About menu. Refer to the iControl User Guide for instructions on the use of the Miranda Interface Updater.

UPGRADE PACKAGE: 5.1.0.6

Release date: 2014-03-31

iControl compatibility (Dolby Digital): 4.13 (build 49)

iControl Solo compatibility (Dolby Digital): 4.13 (build 49)

iControl compatibility (Dolby Digital Plus): 5.0 (build 17)

iControl Solo compatibility (Dolby Digital Plus): 6.0 (build 89)

RCP-200 compatibility: NA

Custom software compatibility: NA

Hardware compatibility: This upgrade package applies to all existing hardware assemblies.

ENHANCEMENTS & NEW FEATURES

Ref#	Description
DSP957-63	**Add support for Dolby Digital Plus encoding.** Add the Dolby Digital Plus encoding capability.

BUGS FIXED IN THIS RELEASE

Ref#	Description
---	None.

KNOWN BUGS & LIMITATIONS

Ref #	Description
XVP3901-1454	**Updating the MOD-DOLBY-ENC-D-2 firmware fails when both MOD-DOLBY-ENC-D and MOD-DOLBY-END-D-2 modules are installed on a XVP-3901.** For XVP-3901 versions prior to 320. The installed module's firmware version is indicated in the XVP-3901 iControl user interface. The MOD-DOLBY-ENC-D has a version that is 1.x.y.z and the MOD-DOLBY-ENC-D-2 has a version that is 5.x.y.z.

	The firmware update package for the MOD-DOLBY-ENC-D-2 module is different than the MOD-DOLBY-ENC-D package. The two installed modules are detected as Dolby Digital encoders by the XVP-3901 so it tries to apply the firmware update to both simultaneously. The update fails after the first file of the package since it is not recognized by the MOD-DOLBY-ENC-D module even though it was accepted by the MOD-DOLBY-ENC-D-2 module. Workaround: Physically remove the MOD-DOLBY-ENC-D module from the XVP-3901 and do the update again. If "MOD-DOLBY-ENC-D" is not indicated on the module, look for "Dolby Laboratories" or "CAT559". After successful completion, reinstall the MOD-DOLBY-ENC-D module.
XVP3901-1615	**Downgrading the MOD-DOLBY-ENC-D-2 firmware may fail.** The MOD-DOLBY-ENC-D-2 module with the assembly number 0957-0100-3xx has a different flash component. Firmware versions starting with 5.0 are incompatible with this assembly. Firmware versions starting with 5.1 and later are compatible will all assemblies. The assembly number is indicated on a sticker on the module. This number is not shown in iControl. <table><tr><td>**Firmware version**</td><td>**0957-0100-1xx**</td><td>**0957-0100-2xx**</td><td>**0957-0100-3xx**</td></tr><tr><td>5.0.x.x</td><td>OK</td><td>OK</td><td>incompatible</td></tr><tr><td>5.1.x.x and later</td><td>OK</td><td>OK</td><td>OK</td></tr></table> If a Densite card (for example XVP-3901, DAP-1781, etc.) has a MOD-DOLBY-ENC-D-2 module with assembly number 0957-0100-3xx installed, downgrading to v5.0.x.x will fail because the module will block this incompatible firmware. If a Densite card with two slots (for example XVP-3901, etc.) has two MOD-DOLBY-ENC-D-2 modules installed, with at least one with assembly number 0957-0100-3xx, downgrading to firmware v5.0.x.x will fail for both modules because the process is aborted if at least one module upgrade/downgrade fails. Workaround: In the case of two MOD-DOLBY-ENC-D-2 modules installed, with one having assembly number 0957-0100-3xx, physically remove the MOD-DOLBY-ENC-D-2 module with the assembly number 0957-0100-3xx from the Densite card and do the downgrade again. When complete, reinstall the module.

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