

Release Notes for DLP Cinema® Series-2 Production 3.0 Software 10 – December – 2010

This release package, named Prod3.0.release, can be installed on either a 0.98DC2K system, a 1.2DC2K system, or a 1.38DC4K system. The ICP load / install procedure will detect the type of satellite attached and install the appropriate satellite firmware and sequences automatically. If you have no satellite formatters attached when you install the release package, you may not get the satellite firmware and sequences installed that you intended. If you move an ICP between systems with different satellite hardware types, you must send the Install command again to correctly install the satellite firmware and sequence that match the new configuration. You do not have to reload a package, it is still resident on the ICP, but you will have to reinstall the current package from the slot (either A or B).

There are 2 separate release packages inside the zip file, InstallMeFirst.release, and Prod3.0.release. If you are upgrading an ICP from Prod2.1 or earlier, the release package named “InstallMeFirst.release” **must** be loaded and installed on the ICP, and the ICP must be rebooted, **before** attempting to load the release package named “Prod3.0.release”. The release package “InstallMeFirst.release” contains updated commands and binary files necessary for the ICP to recognize and correctly interpret the release package “Prod3.0.release”. The release package “InstallMeFirst.release” should only take approximately 60 seconds to install once loaded onto the ICP. The release package “Prod3.0.release” can take several minutes to completely install. Please note that the time to install “Prod3.0.release” on a DC4K system will be longer than for a DC2K system as the configuration bitstream for the DC4K satellite FPGA is more than triple the size of the DC2K satellite code.

Please make sure you reset the ICP through the RESETZ signal, or a power cycle after upgrading software. Some applications and software are not complete until the entire ICP is reset.

WARNING: YOU MUST NOT DOWNGRADE AN ICP WITH THE 16MB FLASH TO AN ICP PRODUCTION RELEASE LOWER THAN PRODUCTION 1.4. IF YOU DO, YOU WILL MAKE THE BOARD NON-FUNCTIONAL.

Production release 3.0 represents the ICP software and firmware as defined in TI Document 2509066 Revision N, “Product Specification for DLP Cinema® Series 2”. It can be identified by the following version information as read back from the ICP.

0.98 DC2K		1.2 DC2K		1.38 DC4K	
Kernel	2.06(10)	Kernel	2.06(10)	Kernel	2.06(10)
ICP Main SW	3.00(314)	ICP Main SW	3.00(314)	ICP Main SW	3.00(314)
ICP Main FW	3.00(81)	ICP Main FW	3.00(81)	ICP Main FW	3.00(81)
Secure Processor	1.06(0)	Secure Processor	1.06(0)	Secure Processor	1.06(0)
FMT Main SW	4.05(143)	FMT Main SW	4.05(143)	FMT Main SW	4.05(143)
FMT Main FW	4.05(123)	FMT Main FW	4.05(123)	FMT Main FW	4.05(123)
FMT Satellite FW	3.00(229)	FMT Satellite FW	4.05(82)	FMT Satellite FW	0.01(134)
FMT Sequence	0.05(34)	FMT Sequence	0.06(41)	FMT Sequence	0.16(0)
FMT DMD File	0.00(13)	FMT DMD File	0.00(13)	FMT DMD File	0.00(13)

ICP Production 3.0 contains the full functionality of DLP Cinema® for the 0.98 DC2K, 1.2 DC2K, and 1.38 DC4K platforms for the first time in a single production release. ICP Production release 3.0 is the minimum required release package for DC4K operation, but may be used on DC2K projectors as well. Successful installation of ICP Production release 3.0 for use on a DC4K projector requires that the ICP board be equipped with the larger FMT flash. The presence of a larger FMT flash can be determined from the current ICP and Enigma Control Program Version 1.00(102). On the “Sys-Config” tab, in the lower left, the ICP Board Type will say “Series 2 (DC4K Ready)” if the proper flash part is installed.