MVP FIRMWARE PACKAGE RELEASES Rev 5

ALGONQUIN
RELEASE 2.2.x (Feb 18, 2005)

MVP Installers: 2.1.0 (ECO XXXX)

FIRMWARE REVISIONS:

DCP	1.0 B331
GI	2.1.x
OVHSN	2.1.x
OVSN	2.1.x
PPMV	2.3.x
PPMX	2.3.x
PPR12X10	1.00.1020
PPR16X16	1.00.1020
PPV	2.3.x
PPV+D	2.3.x
MVPd	1.4.x
GPId	1.4.x
DCPd	1.4.x
SNMPd	1.4.x
SYMPHd	1.4.x
SCT	1.4.x
MAESTRO	x16
RTRd	1.4.x

ALGONQUIN FEATURES:

* Status window (for Program Rating, Video Standard).
* OV Configuration support in MVPd and SCT.
* Audio setup, Aspect ratio maintain
* Support for Dual Independent Transport ID.
* Dual SCP support in embedded server.
* OV Trap for Program Rating change.
* Support for Dolby Digital.
* AC3Dolby E detection.
* Stream replication and Pre-configured streams.
* Audio mixing through PPV and AI.
* Bandwidth management for OVs, OV configuration at startup.
* Support for Extended ASCII and Chinese characters in tally objects.
* Eliminated GMD text artifacts.
* NV restores text alignment correctly.

FERGUS
RELEASE 2.7.x (March 22, 2006)

MVP Installers: 2.7.0(ECO 6741) 2.7.2 (ECO 6780) 2.7.4 (ECO 7485)

FIRMWARE REVISIONS:

DCP	1.1.B2
GI	2.6.x
GLINK4	1.1.x
OVHSN	2.6.x
OVSN	2.6.x
OVSNX	2.6.x
PPMV	2.8.x
PPMX	2.8.x
PPR12X10	1.02.0037
PPR16X16	1.02.0037
PPV	2.8.x
PPV+D	2.8.x
MVPd	1.9.x
GPId	1.9.x
DCPd	1.9.x
SNMPd	1.9.x
SYMPHd	1.9.x
SCT	1.8.x
MAESTRO	2.3.x
RTRd	1.9.x

FERGUS FEATURES:

* RTRd support.
* Symphony support (symphd).
* Client locking of server via dcp.
* Dual SCP support in dcp.
* Better match between number of available actions and user requirements.
* New Status Labels. Labels were merged and the user now selects the appropriate label for each status item.
* UpStream Timer Data Now Support VGPI Triggers.
* Added LTCI as a time source option.
* Tally objects are now enumerated as 1 or 2.
* Added segmented level bar support.
* Support for Dolby Digital.
* Add auto reset mode for UpDn timers.
* Added progress bar for system download.
* Support Extended Ascii and Chinese Corporate Options.
* The resolution messages will be sent only if the user changes the display resolution while connected.
* Added Loss of KD Closed Caption fault messages.
* Global video rate configuration for bandwidth calculation.

KINGSTON
RELEASE 2.12.x (March 3, 2009)

MVP Installers: 2.12.0(ECO 11414) 2.12.1 (ECO 11557) 2.12.2 (ECO 11948) 2.12.3 (ECO 12037) 2.12.4 (ECO 12214) 2.12.5 (ECO 12566) 2.12.10 (ECO 13610)

FIRMWARE REVISIONS:

DCP	1.2.B3
GI	2.11.x
GLINK4	1.5.1
OVHSN	2.11.x
OVSN	2.11.x
OVSNX	2.11.x
OVSGHS	2.11.x
OVSGHS_8DEM	2.11.x
PPMV	2.13.x
PPMX	2.13.x
PPMXBG	2.13.x
PPR16X16	1.02.0211
PPR12X10	1.02.0211
PPV	2.13.x
PPV+D	2.13.x
MVPD	1.14.x
GPID	1.14.x
DCPD	1.14.x
SNMPD	1.14.x
SYMPHD	1.14.x
SCT	1.11.x
MAESTRO	2.14.x
RTRD	1.14.x
NCPD	1.14.x
FRCKD	1.14.x
SYNCD	1.14.x
NAMED	1.14.x

KINGSTON FEATURES:

* Added a second analog clock face
* Nanaxi monitoring support
* Dolby Digital
* Destination Extra - a window's source will follow that which gets assigned to a given router destination
* Nanaxi configuration support
* Wine user ID structfirst Dolby metadata table fields.
* Added option to start server automatically when System Manager starts up
* Support for Extended Ascii and Chinese
* Wine configuration of secondary VPport for Aaron routers
* Wine user ID set default source for a router - the default source will be routed to a destination when a crosspoint is made
* Added toolbtnsrvrs function to set of available SCP user operations. For a given router, it allows a source to be switched to a destination
* Support for Aaron Nanaxi Serial Port Control disabling monitoring on input cards during upstream router switches so that traps are not sent during the transition

NORFOLK
RELEASE 2.15.0 (MAY 28, 2013) – MVP SUPPORT ONLY!!!

MVP Installers: 2.15.0 (ECO 16693) 2.15.1 (ECO 17547) 2.15.2 (ECO 18726)

FIRMWARE REVISIONS:

DCP	1.2.B3
GI	2.14.x
GLINK4	1.5.1
OVHSN	2.14.x
OVSN	2.14.x
OVSNX	2.14.x
OVSGHS	2.14.x
OVSGHS_8DEM	2.14.x
PPMV	2.16.x
PPMX	2.16.x
PPMXBG	2.16.x
PPR16X16	1.02.0211
PPR12X10	1.02.0211
PPV	2.16.x
PPV+D	2.16.x
MVPD	1.17.x
GPID	1.17.x
DCPD	1.17.x
SNMPD	1.17.x
SYMPHD	1.17.x
SCT	1.14.x
MAESTRO	2.11.x
RTRD	1.17.x
NCPD	1.17.x
FRCKD	1.17.x
SYNCD	1.17.x
NAMED	1.17.x

NORFOLK FEATURES:

* Multi-alarm fault table
* Dolby Digital Metadata fast changes are automatically saved to display files
* Onscreen Dolby audio widget
* Onscreen logos
* Dolby metadata parsing can have different facts
* Background image configuration in SCT/System Manager
* Configurable tray-of-video image or colour
* Support for Dolby Digital Metadata (identifying PCM channels)
* Faster and more capable renderer
* Throbbing and blinking tables
* Support for Dolby Digital Metadata (channels, not just in pairs)
* Default clock flow when CPlant is not inactive
* Scalable analog clocks (ie. any size)
* Support for Dolby Digital (PPV and PPV-D offer no faster)
* Add 'bmp2' mode for background images
* Window drop shadows
* Support for Dolby Digital fast state
* Phosphor flash effect on audio bars
* Configuration of Dolby Digital alarm names in SCT
* Configuration of default onscreen alarm names in SCT
* Support for Dolby Digital
* SR video embedding on VIPA/VIPX cards
* Protect against uploading wrong firmware on OV, GI, and VIPA/VPX

* Tally 3 and 4 support for TSL protocol
* Connection error trigger for DECS2
* Support for Dolby Digital (related to symphony)
* Hotflop (aaron)
* Support for the DECS2
* Support for Dolby EBIS
* Tower clips
* Tower consoles in SCT
* Dolby E EBIS
* Bit rate line and flight triggers for DECS2
* Commercial insert trigger for DECS2
* Support for Dolby E EBIS
* Second symphony port
* Audio-only object
* Dolby E EBIS rendering
* VIPA's support 32 characters
* Support for multiple UMD colours with image video protocol
* Support for symphony
* Window Source query command in symphony
* Hotsnfoxsnd/charge trigger
* Support for Dolby Digital Metadata used in SCT
* support for Global Timers

QUEENSTON
RELEASE 2.18.x (January 21, 2014)

(ECO 24877)

FIRMWARE REVISIONS:

DCP	1.2.B3
GI	2.17.x
GLINK4	1.5.0
HDMB-AC3	1.1.0
OVHSN	2.17.x
OVSN	2.17.x
OVSNX	2.17.x
OVSGHS	2.17.x
OVSGHS_8DEM	2.17.x
PPMV	2.19.x
PPMX	2.19.x
PPMXBG	2.19.X
PPR16X8	1.02.0235
PPR16X16	1.02.0235
PPR12X10	1.02.0235
PPV	2.19.x
PPV+D	2.19.x
MVPD	1.20.x
GPID	1.19.x
DCPD	1.19.x
SNMPD	1.19.x
SYMPHD	1.19.x
SCT	1.17.x
MAESTRO	2.14.x
RTRD	1.16.x
NCPD	1.19.x
FRCKD	1.17.x
SYNCD	1.18.x
NAMED	1.5.x

QUEENSTON FEATURES:

* Split dhtml firmware into multi-row.mvm firmware that supports separate repository for each display, and a regular firmware with same resolution for all of its displays.
* Added audio monitor trigger to display card.
* Added support for Dolby Digital Metadata fast which gets assigned to a given router destination.
* Support added in display card for aaron serverfy time sets on the fness
* Added selectable output bandwidth limit setting (32/45).
* Discrete_unitaaronset_aes original audio added for external audio, to CV cards, ad and mvpd.
* Added a new option to automatically mute audio monitoring when audio monitoring is enabled.
* Add DVI output disable property to ad for VIP cards.
* Added aaron trigger action to the unit widget for trigger 1, 2 and 3, under UMD widget's active tab.
* Added aaronExcmnxxCrossxxx property to nwaaron.cfg to control how long Maestro waits to establish a connection to the mvp server.
* Added support for Dolby Digital EBIS in SCT.
* Added code optimization for 525 on OVs

Created by SEAN PHAY – APRIL 2012

Updated by HERMAN PARDO – January 2015

COBOURG
RELEASE 2.4.x (May 24, 2005)

MVP Installers: 2.4.0(ECO XXXX) 2.4.1 (ECO 9695) 2.4.2 (ECO 5892)

FIRMWARE REVISIONS:

DCP	1.0 B331
GI	2.3.x
OVHSN	2.3.x
OVSN	2.3.x
PPMV	2.5.x
PPR12X10	1.00.1020
PPR16X16	1.00.1020
PPV	2.5.x
PPV+D	2.5.x
MVPd	1.6.x
GPId	1.6.x
DCPd	1.6.x
SNMPd	1.6.x
SYMPHd	1.6.x
SCT	1.3.x
MAESTRO	2.1.x
RTRd	1.6.x

COBOURG FEATURES:

* New Hardware Supported: PLnk Reader; DA2G; RTR-25D.
* Window naming/backup.
* All server printouts use logging system for SCP support.
* Completed: Hotlink.
* Support for multiples for in place change stream.
* VGPId embedded in gpid.
* SNMPV preset loading with args.
* Support for Extended Ascii and Chinese.
* Dolby audiobroadcor window highlight via DCP.
* Added the ability to specify a range for the RGB transparent key.

GRAVENHURST
RELEASE 2.8.x (July 12, 2006)

MVP Installers: 2.8.1(ECO 7195) 2.8.2 (ECO 7508) 2.8.3 (ECO 7610) 2.8.4 (ECO 7787) 2.8.5 (ECO 7987)

FIRMWARE REVISIONS:

DCP	1.1.B2
GI	2.7.x
GLINK4	1.2.0
OVHSN	2.7.x
OVSN	2.7.x
OVSNX	2.7.x
PPMV	2.9.x
PPMX	2.9.x
PPR12X10	1.02.0037
PPR16X16	1.02.0037
PPV	2.9.x
PPV+D	2.9.x
MVPd	1.10.x
GPId	1.10.x
DCPd	1.10.x
SNMPd	1.10.x
SYMPHd	1.10.x
SCT	1.7.x
MAESTRO	2.4.x
RTRd	1.10.x

GRAVENHURST FEATURES:

* Dolby Metadata Decode.
* Hotlinks.
* Thumbnailing.
* OVT2 per-config crop.
* Colour Space correction setting (HD/SD).
* Monochrome Video input.
* Hotlinks.
* Audio Bar Channel Re-labeling.
* Rounded Borders.
* Dolby Digital.
* On the fly re-configuration.
* Graticule generator markers.
* Font options for lowblue/phasebar scales.
* SIN phase fix.
* Dolby E (Bar control.
* Full Size Lowblues (can occupy scale space when scales not present).
* VIPIMVP integration.
* Content Blocking (Maestro/DCP).

DELHI
RELEASE 2.5.x (Oct 20, 2005)

MVP Installers: 2.5.1(ECO 6219) 2.5.2 (ECO XXXX)

FIRMWARE REVISIONS:

DCP	1.1.B2
GI	2.4.x
GLINK4	1.1.x
OVHSN	2.4.x
OVSN	2.4.x
OVSNX	2.4.x
PPMV	2.6.x
PPMX	2.6.x
PPR12X10	1.00.1020
PPR16X16	1.00.1020
PPV	2.6.x
PPV+D	2.6.x
MVPd	1.7.x
GPId	1.7.x
DCPd	1.7.x
SNMPd	1.7.x
SYMPHd	1.7.x
SCT	1.4.x
MAESTRO	2.2.x
RTRd	1.7.x

DELHI FEATURES:

* Virtual OV config support (i.e. ability to split OV devices into two independent devices).
* Support for GLinks4, OV-N and OV-SNX.
* Support for data service configuration. (i.e. captioning, WSS)
* OV and GI snapping.
* Server logs now archived in separate directory.
* Support for Extended Ascii.
* Default pitch bandwidth to 100%.
* Improved File dialogs.
* Support for multiple tally assignable to inputs to 3.
* System Manager pops tray bubble when error occurs with a system.
* System Manager pops to foreground when tray icon is double clicked.
* Single instance of MVP System Manager. Launching a second, brings existing instance to foreground.
* SNMP Change Detect.
* Support for Dolby Digital.
* Better error code reporting.
* Support for 320 actions.

HAWKESTONE
RELEASE 2.9.x (Jan 22, 2007)

MVP Installers: 2.9.0(ECO 7976) 2.9.1 (ECO 8067) 2.9.2 (ECO 8238) 2.9.3 (ECO 8796)

FIRMWARE REVISIONS:

DCP	1.1.B2
GI	2.8.x
GLINK4	1.3.0
OVHSN	2.8.x
OVSN	2.8.x
OVSNX	2.8.x
PPMV	2.10.x
PPMX	2.10.x
PPMXBG	2.10.x
PPR12X10	1.02.0042
PPR16X16	1.02.0042
PPV	2.10.x
PPV+D	2.10.x
MVPd	1.11.x
GPId	1.11.x
DCPd	1.11.x
SNMPd	1.11.x
SYMPHd	1.11.x
SCT	1.9.x
MAESTRO	2.5.x
RTRd	1.11.0

HAWKESTONE FEATURES:

* Made configurable the maximum number of pixels that can fit down a single pixrow.
* Increased number of input cards supported from 64 to 68. (1.11.3rc2)
* Increased number of output cards supported from 64 to 68.
* Includes all of the Gravenhurst features for PPMX-8G and PPMX-8G cards.
* Rebuilt PPR FPGAs with Pinnk sync words set to 8. Increased number of PLnk sync words to reduce load on the PPVs.

Data:

OV Firmware Releases: 2.8.0, 2.8.2, 2.8.3, 2.8.4, 2.8.5
??? 2.9.0 – ???
Firmware from this point and on is compatible with Jasper, Kingston and London. Earlier versions are not compatible.

PPV, PPMV, PPMX Firmware Releases: 2.10.1, 2.10.3, 2.10.4, 2.10.5
??? 2.10.0 – PPV, PPMV, PPMX
Firmware from this point and on is compatible with Jasper, Kingston and London. Earlier versions are not compatible.

LONDON
RELEASE 2.13.x (September 21, 2009)

MVP Installers: 2.13.0 (ECO 13374) 2.13.1 (ECO 13961)

FIRMWARE REVISIONS:

DCP	1.2.B3
GI	2.12.x
GLINK4	1.5.1
OVHSN	2.12.x
OVSN	2.12.x
OVSNX	2.12.x
OVSGHS	2.12.x
OVSGHS_8DEM	2.12.x
PPMV	2.14.x
PPMX	2.14.x
PPMXBG	2.14.x
PPR16X16	1.02.0211
PPR12X10	1.02.0211
PPV	2.14.x
PPV+D	2.14.x
MVPD	1.15.x
GPID	1.15.x
DCPD	1.15.x
SNMPD	1.15.x
SYMPHD	1.15.x
SCT	1.12.x
MAESTRO	2.9.x
RTRD	1.15.x
NCPD	1.15.x
FRCKD	1.15.x
SYNCD	1.15.x
NAMED	1.15.x

VIP SUPPORT FOR:
VIPA12 1.2.4
VIPA Series 1.2.x
VIPX Series 1.2.x

LONDON FEATURES:

* Server side layout "snapshots", which can be created/loaded from CP2200e and Maestro
* Redesign display and fault detection in MVP
* Support for 16 channel audio monitoring with Maestro
* MVP Operator Client (Maestro but with limited control)
* Layout synchronization between Maestro and CP2200e panels
* Support for EBE timer code, decoded from LTC user bits
* includes all of the Gravenhurst features for PPMX-8G and PPMX-8G cards.
* Rebuilt PPR FPGAs with Pinnk sync words set to 8. Increased number of PLnk sync words to reduce load on the PPVs.

ORILLIA
RELEASE 2.16.x (MARCH 14, 2012)

MVP Installers: 2.16.1 (ECO 18654)

FIRMWARE REVISIONS:

DCP	1.2.B3
GI	2.15.x
GLINK4	1.5.1
OVHSN	2.15.x
OVSN	2.15.x
OVSNX	2.15.x
OVSGHS	2.15.x
OVSGHS_8DEM	2.15.x
PPMV	2.17.x
PPMX	2.17.x
PPMXBG	2.17.x
PPR16X16	1.02.0211
PPR12X10	1.02.0211
PPV	2.17.x
PPV+D	2.17.x
MVPD	1.18.x
GPID	1.18.x
DCPD	1.18.x
SNMPD	1.18.x
SYMPHD	1.18.x
SCT	1.15.x
MAESTRO	2.12.x
RTRD	1.18.x
NCPD	1.18.x
FRCKD	1.18.x
SYNCD	1.18.x
NAMED	1.18.x

VIP SUPPORT FOR:
VIPA12 NOT Supported
VIPA Series 2.0.x
VIPX Series 2.0.x
VIPX/A-CSX SUPPORT
VIPA16-DUO-RGBR SUPPORT

ORILLIA FEATURES:

- Added sticky note object that links to monitor objects input, and updates when input to that monitor object changes.
- Added extra protocol ids for OV inputs (Trak # 140).
- Added extra protocol colours to UMDs (Trak # 144).
- Added support for Dolby Digital EBIS.
- Added Nadach Watermark facts and decoding.
- Memory optimizations in server and display cards. Server now uses dynamic memory allocation for PC server to handle larger systems. Display card now uses memory pools to reduce memory fragmentation and improve stability.
- Server now supports legacy 16 slide word layout packets to fix backward compatibility issues with panels.
- Added automatic naming of imported systems in SCT.
- Support for Dolby Digital Metadata (channels, not just in pairs) 16 from 16, for DECS2
- OV4 and Aug fixes for a source list menu in SCT, for DECS2
- Increased the size of the Dolby Digital Metadata fast buffer.
- Implementation of VGPIs incorporated in order as MVP and VIPA's.
- Removed caption decoder mode and enable lineboot decode from VIPX and non CSX VIPA cards
- Support added for Dolby Digital Metadata fast and SDI/HDMI
- Support added for GPIB Fabian (Trak # 171).
- Added "Show Path Link To Maestro" to debug stream path information on display card
- Added trap for video source change
- Dolby field selection mode window based, before they were card based.
- Dolby widget mode mono status (dolbyProgConfig.buffered).
- Dolby E EBIS rendering in the mvp widget.
- mvp: router size increased to 2200x1728 from 1152x1728 for CSP96. Patched from mvp_nuclide.branch.
- Tomcat serial menu added to display cards/ VIPXs
- Tomcat serial menu added to display cards/ VIPXs (Trak # 180)
- Added canvas demo info to probe display packet in mvpd. refs #6477
- Added blink time to tallies in tallyobject
- Added support for Dolby Digital changes on the card
- Add unicast option to sd
- source/name as cartridd, added to source change trap
- When source names are changed by name service, send name updates to display cards for all affected entities(NEaS). This will cause Tourne to update its source lists. (Trak # 181)
- Increase max router size to 2200x1728 from 1152x1728 for CSP96. Patched from mvp_nuclide.branch.
- Tomcat serial menu added to display cards/ VIPXs
- In NAED status box, for NAED status type, HF removed, and watermark PC, FD1, FD2, FD3 added.
- mvpd support exactly 1152x1152 (SUX plus 64 Stak EU's)
- Increase number of input cards supported from 64 to 68.
- Increase num of protocol ids to 4096, and reduce max. uind text to 32.
- Increase max. number of output cards supported to 68.
- max number of ops is increased to mvp server from 20 to 24.
- Added support for timecd functionality on server, for Maestro to work properly when server busy.

MUSKOKA
RELEASE 2.14.x (APRIL 20, 2010)

MVP Installers: 2.14.0 (ECO 14656) 2.14.1 (ECO 14842) 2.14.2 (ECO 15878) 2.14.3 (ECO 17516) 2.14.4 (ECO 17302) 2.14.5 (ECO 17420)

FIRMWARE REVISIONS:

DCP	1.2.B3
GI	2.13.x
GLINK4	1.5.1
OVHSN	2.13.x
OVSN	2.13.x
OVSNX	2.13.x
OVSGHS	2.13.x
OVSGHS_8DEM	2.13.x
PPMV	2.15.x
PPMX	2.15.x
PPMXBG	2.15.x
PPR16X16	1.02.0211
PPR12X10	1.02.0211
PPV	2.15.x
PPV+D	2.15.x
MVPD	1.16.x
GPID	1.16.x
DCPD	1.16.x
SNMPD	1.16.x
SYMPHD	1.16.x
SCT	1.13.x
MAESTRO	2.10.x
RTRD	1.16.x
NCPD	1.16.x
FRCKD	1.16.x
SYNCD	1.16.x
NAMED	1.16.x

VIP SUPPORT FOR:
VIPA12 1.5.1
VIPA Series 1.5.x
VIPX Series 1.5.x
VIPX/A-CSX SUPPORT
VIPA16-DUO-RGBR SUPPORT

MUSKOKA FEATURES:

* Support for 2048 VGPIs
* Support for 16 channel audio monitoring with OV3G
* Support AES pair selection for Dolby decode

PRESTON
RELEASE 2.17.x

MVP Installers: 2.17.0 (ECO 19686)

FIRMWARE REVISIONS:

DCP	1.2.B3
GI	2.16.x
GLINK4	1.5.1
HDMB-AC3	1.1.0
OVHSN	2.16.x
OVSN	2.16.x
OVSNX	2.16.x
OVSGHS	2.16.x
OVSGHS_8DEM	2.16.x
PPMV	2.18.x
PPMX	2.18.x
PPMXBG	2.18.x
PPR16X16	1.02.0211
PPR12X10	1.02.0211
PPV	2.18.x
PPV+D	2.18.x
MVPD	1.19.x
GPID	1.19.x
DCPD	1.19.x
SNMPD	1.19.x
SYMPHD	1.19.x
SCT	1.16.x
MAESTRO	2.13.x
RTRD	1.19.x
NCPD	1.19.x
FRCKD	1.19.x
SYNCD	1.19.x
NAMED	1.19.x

VIP SUPPORT FOR:
VIPA12 NOT Supported
VIPA Series 2.0.x
VIPM 2.1.x
VIPXM 2.1.x
VIPX Series 2.1.x
VIPX/A-CSX SUPPORT
VIPA16-DUO-RGBR SUPPORT

PRESTON FEATURES:

- Support for new card types VIPM, VIPXM and 3000HDMI

- ACTE 104 GPIs (sd) added to VIPs
- mvs router size mains variable in mvpd
- Added delayf the time to OV (MVP)
- Support for Dolby Digital EBIS in Ov3G to pink packet, and display it display card.
- Added the 'Encryption present' trigger for hdmi card
- Support for Preston
- Implemented support for the client request sock linked to the client request header
- Rendering the 3-letter language code on the subtitle widgd instead of the full language name

BELLEVILLE
UNRELEASED FIRMWARE PACKAGE

FIRMWARE REVISIONS:

DCP	1.0 B331		
GI	2.2.x	MVPd	1.8.x
OVHSN	2.2.x	GPId	1.8.x
OVSN	2.2.x	DCPd	1.8.x
PPMV	2.4.x	SNMPd	1.8.x
PPR12X10	1.00.1020	SYMPHd	1.8.x
PPV	2.4.x	SCT	1.5.x
PPV+D	2.4.x	MAESTRO	2.1.x
		RTRd	1.8.x

NOTE: THIS MVP PACKAGE WAS NOT RELEASED. THIS IS FOR INFORMATIONAL PURPOSES ONLY.

Belleville Features: N/A

ELMIRA
UNRELEASED FIRMWARE PACKAGE

FIRMWARE REVISIONS:

DCP	1.1.B0		
GI	2.3.x	MVPd	1.9.x
GLINK4	1.1.x	GPId	1.9.x
OVHSN	2.3.x	DCPd	1.9.x
OVSN	2.3.x	SNMPd	1.9.x
PPMV	2.5.x	SYMPHd	1.9.x
PPMX	2.5.x	SCT	1.6.x
PPR12X10	1.00.1020	MAESTRO	2.2.x
PPR16X16	1.00.1020	RTRd	1.9.x
PPV	2.5.x		
PPV+D	2.5.x		

NOTE: THIS MVP PACKAGE WAS NOT RELEASED. THIS IS FOR INFORMATIONAL PURPOSES ONLY.

Elmira Features:
- Updated time code reset
- Support for Dolby Digital
- Analog audio routing
- SDIIn Support in alarms for bandwidth calculations

IROQUOIS
UNRELEASED FIRMWARE PACKAGE

FIRMWARE REVISIONS:

DCP	1.1.B0		
GI	2.6.x	MVPd	1.12.x
GLINK4	1.2.x	GPId	1.12.x
OVHSN	2.6.x	DCPd	1.12.x
OVSN	2.6.x	SNMPd	1.12.x
OVSNX	2.6.x	SYMPHd	1.12.x
PPMV	2.11.x	SCT	1.9.x
PPMXBG	2.11.x	MAESTRO	2.6.x
PPR12X10	1.02.0042	RTRd	1.12.x
PPR16X16	1.02.0042		
PPV	2.11.x		
PPV+D	2.11.x		

NOTE: THIS MVP PACKAGE WAS FOR THE MNO AND NOT OFFICIALLY RELEASED. THIS IS FOR INFORMATIONAL PURPOSES ONLY.

JASPER
RELEASE 2.11.x (Dec 27, 2007)

MVP Installers: 2.11.1(ECO 9614) 2.11.2 (ECO 9816) 2.11.3 (ECO 10389) 2.11.4 (ECO 10767) 2.11.6 (ECO 11119) 2.11.7 (ECO 11212) 2.11.8 (ECO 11616) 2.11.10 (ECO 11871)

FIRMWARE REVISIONS:

DCP	1.2.b3
GI	2.10.x
GLINK4	1.5.1
OVHSN	2.10.x
OVSN	2.10.x
OVSNX	2.10.x
PPMV	2.12.x
PPMX	2.12.x
PPMXBG	2.12.x
PPR12X10	1.02.0204
PPR16X16	1.02.0204
PPV	2.12.x
PPV+D	2.12.x
MVPd	1.13.x
GPId	1.13.1
DCPd	1.13.x
SNMPd	1.13.x
SYMPHd	1.13.x
SCT	1.10.x
MAESTRO	2.7.x
RTRd	1.13.x
NCPd	1.13.0
FRCKd	1.13.1
SYNCd	1.13.0

VIP SUPPORT FOR:
VIPA12 1.2.4
VIPA Series 1.2.x
VIPX Series 1.2.x

JASPER FEATURES:

* Upstream router control
* Dynamic graticules
* NTP support
* Dolby Digital configurable via System Manager
* 32-9 graticule display
* Individual audio pair selection (ie. ungrouped)
* Support for EBE timer code, decoded from LTC user bits
* Added Maestro support for the VIPRAD to support multiple copies/sizes of the same tile
* Added ability to use a single VGPI to trigger a fault label
* WXGA+ output resolution for PPVs