MVP FIRMWARE PACKAGE RELEASES Rev 3

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
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	1.1.x
MAESTRO	v76
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.
* 50/60 Hz rate conversion, Protocol ID.
* Dual DCP support in embedded server.
* OV Trap for Program Rating change.
* Trigger tallies via VGPI's.
* Tally objects are now enumerated as 1 or 2.
* AC3/Dolby E detection.
* Stream replication and Pre-configured streams.
* Audio routing though PPV and AI.
* Bandwidth managment for OVs, OV configuration at startup.
* PPV no longer reboots with 16 characters in tally objects.
* Eliminated UMD text artifacts.
* NV restores text alignment correctly.

COBOURG
RELEASE 2.4.x (May 24, 2005)
MVP Installers: 2.4.0(ECO XXXX) 2.4.1 (ECO 5656) 2.4.2 (ECO 5692)

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: PLink Router; DA2Q; RTR-2SD.
* Window naming/lookup.
* All server printouts use logging system for SCP support
* Compound Action.
* GPId/SNMPd/Actions for in place change stream.
* VGPId embedded in gpid.
* SNMPd preset loading with args.
* DCPd Configurable window highlight.
* Sticky audioMonitor window highlight via DCP.
* Added the ability to specify a range for the RGB transparent key.

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	2.6.x
GLINK4	1.1.x
OVHSN	2.4.x
OVSN	2.4.x
OVSNX	2.4.x
PPMV	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 logical parts).
* Support for GLink4, OV-N and OV-SNX.
* Support for data service configuration. (i.e. captioning, WSS)
* OV and GI cropping.
* Server logs now archived in separate directory.
* GI4 Discrete audio configuration.
* Default plink bandwidth to 100%.
* Improved File dialogs.
* Increase number of VGPIs 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 Stream.
* SNMPd OID changed to experimantal branch.
* Better error code reporting.
* Support for 320 actions.

BELLEVILLE
UNRELEASED FIRMWARE PACKAGE

FIRMWARE REVISIONS:

DCP	1.0 B331	MVPd	1.5.x
GI	2.2.x	GPId	1.5.x
OVHSN	2.2.x	DCPd	1.5.x
OVSN	2.2.x	SNMPd	1.5.x
PPMV	2.4.x	SYMPHd	1.5.x
PPR12X10	1.00.1020	SCT	1.2.x
PPR16X16	1.00.1020	MAESTRO	2.1.x
PPV	2.2.0	RTRd	1.5.x
PPV+D	2.4.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 B2		
GI	2.5.x	MVPd	1.8.x
GLINK4	1.1.x	GPId	1.8.x
OVHSN	2.5.x	DCPd	1.8.x
OVSN	2.5.x	SNMPd	1.8.x
OVSNX	2.5.x	SYMPHd	1.8.x
PPMV	2.7.x	SCT	1.5.x
PPMX	2.7.x	MAESTRO	2.2.x
PPR12X10	1.02.1020	RTRd	1.8.x
PPR16X16	1.02.1020		
PPV	2.7.x		
PPV+D	2.7.x		

Elmira Features:
* Up/down timer auto reset
* Generic audio setting
* Analog audio routing
* 50Hz Support in server for bandwidth calculations

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

IROQUOIS
UNRELEASED FIRMWARE PACKAGE

FIRMWARE REVISIONS:

DCP	1.1 B2		
GI	2.9.x	MVPd	1.12.x
GLINK4	1.4.0	GPId	1.12.x
OVHSN	2.9.x	DCPd	1.12.x
OVSN	2.9.x	SNMPd	1.12.x
OVSNX	2.9.x	SYMPHd	1.12.x
PPMV	2.11.x	SCT	1.12.x
PPMX	2.11.x	MAESTRO	2.6.x
PPMX8G	2.11.x	RTRd	1.12.0
PPR12X10	1.02.0042		
PPR16X16	1.02.0042		
PPV	2.11.x		
PPV+D	2.11.x		

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

FERGUS
RELEASE 2.7.x (March 22, 2006)
MVP Installers: 2.7.0(ECO 6741) 2.7.2 (ECO 6780) 2.7.4 (ECO 7465)

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	1.6.x
MAESTRO	2.3.x
RTRd	1.9.x

FERGUS FEATURES:
* RTRd support.
* Symphony support (symphd).
* Client locking of server via dcp.
* New pair AES audio routing
* Better match between number of available actions and user requirements.
* New Status Labels. Labels were merged and the user now selects the status type from the property grid.
* Up/Down Timer Does Now Support VGPI Triggers.
* Added LTC1 as a time source option.
* Added segmented level bar support.
* Added multifont support.
* Add auto reset mode for Up/Dn timers.
* Added progress bar for system download.
* Removed Synchronize System and Synchronize Options.
* The resolution messages will be sent only if the user changes the display resolution while connected.
* Added Loss of HD Closed Caption fault messages.
* Global video rate configuration for bandwidth calculation.

GRAVENHURST
RELEASE 2.8.x (July 12, 2006)
MVP Installers: 2.8.1 (ECO 7195) 2.8.2 (ECO 7508) 2.8.3 (ECO 7512) 2.8.4 (ECO 7567) 2.8.5 (ECO 7587)

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.
* Hotswap.
* Thumbnailing.
* OV/GI per config crop.
* Colour Space correction setting (HD/SD).
* Monochrome Video input.
* Multires plus.
* Audio Bar Channel Re-labeling.
* Rounded Borders.
* Fade Transitions.
* On the fly re-configuration.
* Graticule generator markers.
* Font options for levelbar/phasebar scales.
* DIN phase bar.
* PPV H/V/Offset control.
* Full Size Levelbars (can occupy scale space when scales not present).
* VIP/MVP integration.
* Content Blocking (Maestro/DCP).

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 8756)

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
PPMX8G	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	1.8.x
MAESTRO	2.5.x
RTRd	1.11.0

HAWKESTONE FEATURES:
* Made configurable the maximum number of pixels that can fit down a single plink.
* Increased number of input cards supported from 64 to 68. (1.11.3rc2)
* Increased number of PPRs supported from 12 to 16. (1.11.3rc4)
* Includes all of the Gravenhurst features for PPMX-4G and PPMX-8G cards.
* Rebuilt PPR FPGAs with Plink sync words set to 8. Increased number of PLink sync words to reduce load on the PPVs.

Fixes:
OV Firmware Releases: 2.8.0, 2.8.2, 2.8.3, 2.8.4, 2.8.5
**** 2.8.3 – OV
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
**** 2.10.5 - PPV, PPMV, PPMX
Firmware from this point and on is compatible with Jasper, Kingston and London. Earlier versions are not compatible.

JASPER
RELEASE 2.11.x (Dec 27, 2007)
MVP Installers: 2.11.1(ECO 9610) 2.11.2 (ECO 9918) 2.11.3 (ECO 10369) 2.11.4 (ECO 10787) 2.11.6 (ECO 11115) 2.11.7 (ECO 11212) 2.11.8 (ECO 11618) 2.11.10 (ECO 11871)

FIRMWARE REVISIONS:

DCP	1.2 b3
GI	2.10.3
GLINK4	1.5.1
OVHSN	2.10.x
OVSN	2.10.x
OVSNX	2.10.x
PPMV	2.12.x
PPMX	2.12.x
PPMX8G	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	1.13.0
SCT	1.10.x
MAESTRO	2.7.x
RTRd	1.13.x
NCPd	1.13.0
PROXd	1.13.1
SYNCd	1.13.0

JASPER FEATURES:
* Upstream router control
* Dynamic graticules
* NTP support
* Symphony port configurable via System Manager
* 32:9 graticule display
* Individual audio pair selection (ie. ungrouped)
* Support for ESE timer code, decoded from LTC user bits
* Added Maestro support for the VIP/NGI to support multiple copies/sizes of an input
* Added ability to use a single VGPI to trigger a fault label
* WSXGA+ output resolution for PPVs

VIP SUPPORT FOR:

VIPA12	1.2.4
VIPA Series	1.2.x
VIPX Series	1.2.x

KINGSTON
RELEASE 2.12.x (March 3, 2009)
MVP Installers: 2.12.0(ECO 11414) 2.12.1 (ECO 11507) 2.12.2 (ECO 11848) 2.12.3 (ECO 12037) 2.12.4 (ECO 12214) 2.12.8 (ECO 12569) 2.12.10 (ECO 13012)

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
OV3GHS	2.11.x
OV3GHS_8DEM	2.11.x
PPMV	2.13.x
PPMX	2.13.x
PPMX8G	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	2.8.x
RTRD	1.14.x
NCPD	1.14.x
PROXD	1.14.x
SYNCD	1.14.x
NAMED	1.14.x

KINGSTON FEATURES:
* Added a second analog clock face
* Nielsen monitoring support
* VIPX support
* Destination Echo - a window's source will follow that which gets assigned to a given router destiation
* XLink configuration support
* Allow user to show/hide Dolby metadata table fields
* Added option to start server automatically when System Manager starts up
* Allow CSV import/export of input names
* Connection error trigger for DEC32
* Allow connection of secondary IP/port for Xenon systems
* Allow user to set default source for a router - the default source will be routed to a destination that becomes unused
* Added routeSource function to set of available DCP user operations. For a given router, it allows a source to be swtced to a destination
* Added router input cycling support, which means disabling monitoring on input cards during upstream router switches so that traps are not sent during the transition

VIP SUPPORT FOR:

VIPA12	1.2.4
VIPA Series	1.3.x
VIPX Series	1.3.x

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.x
OVHSN	2.12.x
OVSN	2.12.x
OVSNX	2.12.x
OV3GHS	2.12.x
OV3GHS_8DEM	2.12.x
PPMV	2.14.x
PPMX	2.14.x
PPMX8G	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
PROXD	1.15.x
SYNCD	1.15.x
NAMED	1.15.x

LONDON FEATURES:
* Server-side layout "snapshots", which can be created/loaded from CP2200e and Maestro
* Nielsen display and fault detection in MVP
* Router and EQX Server name synchronization
* MVP Operator Client (Maestro but with limited control)
* Layout synchronization between Maestro and CP2200e panels
* VIPX/VIPA-DUO multi-resolution support
* OV3G macroblock detection
* Allow deletion of Maestro global presets
* In-place text label editing in Maestro and Operator Client
* Maestro option to disable window resizing

VIP SUPPORT FOR:

VIPA12	1.2.4
VIPA Series	1.4.x
VIPX Series	1.4.x
VIPX/A-CSX	SUPPORT

MUSKOKA
RELEASE 2.14.x (APRIL 20, 2010)
MVP Installers: 2.14.0 (ECO 14656) 2.14.1 (ECO 14842) 2.14.2 (ECO 15979) 2.14.3 (ECO 17016) 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
OV3GHS	2.13.x
OV3GHS_8DEM	2.13.x
PPMV	2.15.x
PPMX	2.15.x
PPMX8G	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
PROXD	1.16.x
SYNCD	1.16.x
NAMED	1.16.x

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

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	

NORFOLK
RELEASE 2.15.0 (MAY 19, 2011) – MVP SUPPORT ONLY!!!
MVP Installers: 2.15.0 (ECO 16093) 2.15.1 (ECO 17547) 2.15.2 (ECO 18728)

NORFOLK FEATURES:
* Multi-alarm fault labels
* Source changes and UMD text changes are automatically saved to display files
* Onscreen Dolby audio widget
* Onscreen logos
* Individual display cards can have different fonts
* Background image configuration in SCT/System Manager
* Configurable loss-of-video image or colour
* 16 channels of Dolby audio (without sacrificing PCM channels)
* Faster and more capable renderer
* Throbbing and blinking tallies
* Audio bar grouping (into one or more channels, not just in pairs)
* Default clock face when CFlash is not inserted
* Scalable analog clocks (ie. any size)
* Load backgrounds after booting (to get video up faster)
* Add 'stretch' mode for background images
* Window drop shadows
* Support 96pt and 144pt font sizes
* Phosphor fade effect on audio bars
* Configurable onscreen control cursor
* Configuration of default onscreen alarm names in SCT
* Canvas configuration tool
* 3D video monitoring on VIPA/VIPX cards
* Protect against uploading wrong firmware on OV, GI, and VIPA/VIPX
* Tally 3 and 4 support for TSL protocol
* Connection error trigger for DEC32
* Display Listen command to symphony
* Notifyd daemon
* Support for the DEC32
* Support for the EMR
* Ticker object
* Ticker console in SCT
* NTP date to UMD
* Bit rate low and high triggers for DEC32
* Commercial insert trigger for DEC32
* Per channel audio bar faults
* Second symphony port
* Audio only object
* Right to left text rendering
* UMD's support 32 characters
* Support for multiple UMD colours with image video protocol
* Audio Loudness triggers
* Window Source query command in symphony
* VideoSourceChange trigger
* Support for PPMX16-4HAV card in SCT
* support for Global Timers

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
OV3GHS	2.14.x
OV3GHS_8DEM	2.14.x
PPMV	2.16.x
PPMX	2.16.x
PPMX8G	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
SCT	1.14.x
MAESTRO	2.11.x
RTRD	1.17.x
NCPD	1.17.x
PROXD	1.17.x
SYNCD	1.17.x
NAMED	1.17.x

ORILLIA
RELEASE 2.16.x (MARCH 14, 2012)
MVP Installers: 2.16.1 (ECO 18054)

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
OV3GHS	2.15.x
OV3GHS_8DEM	2.15.x
PPMV	2.17.x
PPMX	2.17.x
PPMX8G	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
PROXD	1.18.x
SYNCD	1.18.x
NAMED	1.18.x

ORILLIA FEATURES:
- Added sticky note object that links to monitor object's input, and updates when input to the monitor object changes.
- Added extra protocol ids for OV inputs (Trac # 143).
- Added extra protocol colours to UMDs (Trac # 144).
- Added daylight savings time to NTP clocks.
- Added Nielsen Watermark faults and decoding.
- Memory optimizations in server and display cards. Server now uses dynamic memory allocation for PC server to handle larger systems.
- Display cards now boot into static ip mode after low level nv clear if runtime is not set.
- Server now supports legacy 16 data word layout packets to fix backward compatibility issues with panels.
- Added automatic naming of imported systems in SCT
- Changed default number of audio programs channels to 8 from 16, for DEC32
- GUI and bug fixes for ip source list menu in SCT, for DEC32
- Increased the size of default cursor for onscreen control
- Increased number of VGPIs from 2048 to 4096 on MVP and VIPA's.
- Removed caption decoder mode and enable teletext decode from VIPX and non CSX VIPA cards
- Support for new card types VIPM, VIPXM and 3000HDMI
- Support added for 2048 Tallies (NEAT)
- Added "Show Path Link "In Maestro to debug stream path information on display card
- Added trap for video source change

(additional feature notes)
- Dolby field selection made window based, before they were card based.
- Dolby widget made more stable (dolbyProgConfig buffered)
- SCTE 104 GPIs (six) added to OV/PPV.
- max router size increased to 2200x1728 in mvpd
- Telnet serial menu added to display cards/ VIPXs
- Global timers added to server, redmine # 7126. (rc19)
- Added canvas device info to probe display packet in mvpd. refs #6563.
- Source name are changed by name service, send name updates to display cards for all affected windows(NEat).
- Increase max router size to 2200x1728 from 1152x1728 for CSPAN. Patched from mvp_norfolk-branch.
- Added Video Type Maximum fault
- In NAES status box, for NAES status type, HF removed, and watermark PC, FD1, FD2, FD3 added.
- mvpd support exactly 1152x1152 EQX plus 80 16x8 EQTs
- Added video loss image on connection error at display
- Increase num of protocol ids to 4096, and reduce max umd text to 32.
- Added echo decode to UMD reader. refs #6499
- max number of gpi's increased in mvp server from 20 to 24.
- Added support for timeout functionality on server, for Maestro to work properly when server busy.

VIP SUPPORT FOR:

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

PRESTON
RELEASE 2.17.x (PACKAGE TO BE RELEASED SOON)
MVP Installers: 2.17.0 (ECO 19686)

FIRMWARE REVISIONS:

DCP	1.2 B3
GI	2.16.x
GLINK4	1.5.1
HDMI8-AC3	TBA
OVHSN	2.16.x
OVSN	2.16.x
OVSNX	2.16.x
OV3GHS	2.16.x
OV3GHS_8DEM	2.16.x
PPMV	2.18.x
PPMX	2.18.x
PPMX8G	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
PROXD	1.19.x
SYNCD	1.19.x
NAMED	1.19.x

PRESTON FEATURES:
- Support for new card types VIPM, VIPXM and 3000HDMI
- SCTE 104 GPIs (six) added to VIPs
- max router size made variable in mvpd
- Added dolbyE line loss to OV (MVP)
- Added Program Id, Program Name bar dec32 to plink packet, and display it display card.
- Added the 'Encryption present' trigger for hdmi card
- Added subtitle widget
- Implemented support for the client request lock timeout in the client request header
- Rendering the 3-letter language code in the subtitle widget instead of the full language name

VIP SUPPORT FOR:

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

SEAN PHAV – APRIL 2012