## MVP FIRMWARE PACKAGE RELEASES Rev 3

		ALGONQUIN	
		RELEASE 2.2.x (Feb 18, 2005)	
		MVP Installers: 2.1.0 (ECO XXXX)	
FIRMWARE F DCP GI OVISN OVISN PPMV PPR12X10 PPR12X10 PPR12X10 PPR12X10 PPV+D MVPd GPId GPId GPId DCPd SNMPd SCT MAESTRO RTRd	EVISIONS: 1.0 B331 2.1.x 2.1.x 2.1.x 2.1.x 2.3.x 1.00.1020 1.00.1020 2.3.x 2.3.x 1.4.x 1	ALGONQUIN FEATURES: • Status window (for Program Rating, Video Standard) • O'V Configuration support in MVPd and SCT. • Audio setup, Aspect ratio maintain. • Stoffo H-rate conversion, Protocol ID. • Dual DCP support in embedded server. • O'V Tap for Program Rating change. • Trigger tallies via VCPTs. • ACQ700by E detection. • Stream replication and Pre-configured streams. • Audio couting though PPV and AI. • Bandwidth managment for O'Vs. OV configuration at startup. • PPV no longer reboots with 16 characters in tally objects. • Iliminated UMD text artifacts. • NV restores text alignment correctly.	

		MVP Installers: 2.7.0(ECO 6741) 2.7.2 (ECO 6780) 2.7.4 (ECO 7465)
FIRMWARE R	EVISIONS:	
DCP GI GLINK4 OVHSN OVSN OVSN PPMV PPMV PPR12X10 PPR16X16 PPV PPV+D	1.1 B2 2.6.x 1.1.x 2.6.x 2.6.x 2.8.x 2.8.x 1.02.0037 1.02.0037 2.8.x 2.8.x 2.8.x	FERGUS FEATURES:  REGUS FEATURES:  Symphony support (symphd).  Client locking of server val 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 VGP Triggers.  Added LTC1 as a time source option.  Taily objects are now enumerated as 1 or 2.  Added segmented level bar support.  Added segmented level bar support.
MVPd GPld DCPd SNMPd SYMPHd SCT MAESTRO RTRd	1.9.x 1.9.x 1.9.x 1.9.x 1.9.x 1.6.x 2.3.x 1.9.x	<ul> <li>Add auto reset mode for Up/Dn times.</li> <li>Added progress bar for system download.</li> <li>Removed Synchronize System and Synchronize Options.</li> <li>The resolution messages will be sent only if the user changes the display resolution while connected.</li> <li>Added Loss of HD Closed Caption fault messages.</li> <li>Global video rate configuration for bandwidth calculation.</li> </ul>

		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 R GI OVHSN OVSN PPMV PPR12X10 PPR16X16 PPV PPV+D	1.0 B331 2.3.x 2.3.x 2.3.x 2.3.x 2.5.x	COBOURG FEATURES: * New Hardware Supported: PLink Router; DA2Q; RTR-2SD. * Wirdow maning/lockup. * All server printouts use logging system for SCP support. * Compound Action. * OPPId/SNNP4/Actions for in place change stream. * VGPId embedded in gild.
MVPd GPId DCPd SNMPd	1.6.x 1.6.x 1.6.x 1.6.x	<ul> <li>SNMPd preset loading with args.</li> <li>DCPd Configurable window highlight.</li> <li>Sticky audioMonitor window highlight via DCP.</li> <li>Added the ability to specify a range for the RGB transparent key.</li> </ul>
SYMPHd SCT MAESTRO RTRd	1.6.x 1.3.x 2.1.x 1.6.x	

	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           SI         2.4 x           SUNK4         1.1 x           DVHSN         2.4 x           DVSN         2.4 x           DVSN         2.4 x           DVSN         2.4 x           DVSN         2.4 x           PMU         2.6 x           PPR12X10         1.00.1020           PPR12X10         2.6 x           MVPd         1.7 x           SPId         1.7 x           SPId         1.7 x           SYMPHId         1.7 x           SYMPHId         1.7 x	DELHI FEATURES: * Virtual OV conf Support (i.e. ability to split OV devices into two logical parts). * Support for Glink, OV-A and OV-SNX. * Support for data service configuration. (i.e. captioning, WSS) * OV and GI cropping. * Server logs now archived in separate directory. * Of Default plink bandwidth to 100%. * Default plink bandwidth to 100%. * Improved File dialogs. * Increase number of VGPIs assignable to inputs to 3. * System Manager pops to Sreground when tray icon is double clicked. * System Manager pops to Sreground when tray icon is double clicked. * Single naise of NWP System Manager. Laurching a second, brings existing instance to foreground. * Single naise of NWP System Manager. Laurching a second, brings existing instance to foreground. * Single naiser odder aporting. * SUMPH OID changed experimental branch. * Better error code reporting.

				BELLEVILLE
			UNRE	ELEASED FIRMWARE PACKAGE
FIRMWARE REVI	SIONS:			
DCP GI OVHSN PPMV PPR12X10 PPR18X16 PPV PPV+D	1.0 B331 22.x 22.x 2.4.x 1.00.1020 2.4.x 2.4.x	MVPd GPld SNMPd SYMPHd SCT MAESTRO RTRd	1.5.x 1.5.x 1.5.x 1.5.x 1.5.x 1.2.x 2.1.x 1.5.x	NOTE: THIS INVP PACKAGE WAS NOT RELEASED. THIS IS FOR INFORMATIONAL PURPOSES ONLY. Believille Features: NA
				ELMIRA
			UNRE	ELEASED FIRMWARE PACKAGE
FIRMWARE REVI	SIONS:			
DCP GI GLINK4 OVHSN OVSN OVSNX PPMV PPMX PPMX PPR12X10 PPR18X16 PPV PPV+D	1.1 B2 2.5.x 1.1.x 2.5.x 2.5.x 2.7.x 2.7.x 1.02.1020 2.7.x 2.7.x	MVPd GPld DCPd SMMPd SYMPHd SCT MAESTRO RTRd	1.8x 1.8x 1.8x 1.8x 1.8x 1.5x 2.22 1.8x	NOTE: THIS INVP PACKAGE WAS NOT RELEASED. THIS IS FOR INFORMATIONAL PURPOSES ONLY. Ensis Factures: Updomu finer ando reset Genetic addo routing Analog audo routing Soft Support in server for bandwidth calculations
				IROQUOIS
			UNRE	ELEASED FIRMWARE PACKAGE
FIRMWARE REVI	SIONS:			
DCP GI GLINK4 OV/HSN OV/SN OV/SN PPMX PPMX PPMX8G PPR12X10 PPR12X10 PPR16X16 PPV PPV PPV+D	1.1 B2 2.9.x 1.4.0 2.9.x 2.9.x 2.11.x 2.11.x 2.11.x 1.02.0042 2.11.x 2.11.x 2.11.x 2.11.x	MVPd GPld DCPd SNMPd SYMPHd SCT MAESTRO RTRd	1.12x 1.12x 1.12x 1.12x 1.12x 1.12x 1.8x 2.6x 1.12.0	NOTE: THIS INVP PACKAGE WAS FOR THE NRO AND NOT OFFICIALLY RELEASED. THIS IS FOR INFORMATIONAL PURPOSES ONLY.

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 F	REVISIONS:				
DCP GI GLINK4 OVHSN OVSN PPMV PPMX PPR16X16 PPR16X16 PPV PPV+D MVPd GPId DCPd SNMPd SVMPHd SCT MAESTRO RTRd	11 B2 27 x 27 x 27 x 27 x 27 x 29 x 29 x 29 x 1.02 0037 1.02 00000000000000000000000000000000000	SRAVENHURST FEATURES; Doby Metadata Decode, Hotswap, Thumbnaling; Ov/Gl per config crop: Colour Space correction setting (HD/SD). Content Blocking (Meestro/DCCP). Colour Blocking (Meestro/DCCP). Colour Space correction setting (HD/SD). Colou			

	HAWKESTONE
	RELEASE 2.9.x (Jan 22, 2007)
MVF	P Installers: 2.9.0(ECO 7976) 2.9.1 (ECO 8067) 2.9.2 (ECO 8238) 2.9.3 (ECO 8756)
EVISIONS:	
1.1 B2 2.8 x 1.3.0 2.8 x 2.8 x 2.10 x 2.10 x 2.10 x 1.02.0042 1.02.0042 2.10 x 2.10 x 2.10 x 2.10 x 2.10 x 2.10 x 2.11 x 1.11 x 1.11 x	HAWKESTONE FEATURES: * Made configurable the maximum number of pixels that can fit down a single plink. * Increased number of purch cards supported from 64 to 68, (1.11.3nc2) * Increased number of PRS supported from 12 to 16, (1.11.3nc4) * Incides all of the Gravenniums features for PMX-45 and PMX-45 a cards. * Rebuilt PRF. FPGAs with Plink sync words set to 8. Increased number of PLink sync words to reduce load on the PPVs. Eixes: OV Firmware Releases: 2.8.0, 2.8.2, 2.8.3, 2.8.4, 2.8.5 ****2.8.3 – OV Firmware Seleases: 2.8.0, 2.8.2, 2.8.3, 2.8.4, 2.8.5 ****2.8.3 – OV Firmware Releases: 2.10.1, 2.10.3, 2.10.4, 2.10.5 ****2.10.5 – PVP, PPMX, Firmware Releases: 2.10.1, 2.10.3, 2.10.4, 2.10.5
1.11.x 1.8.x 2.5.x 1.11.0	Firmware from this point and on is compatible with Jasper, Kingston and London. Earlier versions are not compatible.
	EVISIONS: 1.1 B2 2.8 x 1.3.0 2.8 x 2.8 x 2.8 x 2.10 x 2.10 x 2.10 x 2.10 x 2.10 x 2.10 x 2.10 x 1.02.0042 2.10 x 1.11

		JASPER
		RELEASE 2.11.x (Dec 27, 2007)
		llers: 2.11.1(ECO 9610) 2.11.2 (ECO 9918) 2.11.3 (ECO 10369) 2.11.4 (ECO 10787) 6 (ECO 11115) 2.11.7 (ECO 11212) 2.11.8 (ECO 11618) 2.11.10 (ECO 11871)
FIRMWARE R	EVISIONS:	
DCP GI GUINK4 OVSN VOVSN VPMV PPMX PPMX PPMX PPMX PPMX PPMXSG PPPM2 PPV+D PPV+D PPV+D DCPd GPld DCPd SVMPH SSMPH SSMPH SSMPH SSMPH SVMC2 VIP SUPPORT	12 b3 2103 15.1 210x 210x 210x 210x 212x 213x 1132	JASPER FEATURES: • Upstream router control • Upnamic graticules • NTP support • Symphony port configurable via System Manager • 329 graticule display • Individual audio pair selection (ie. ungrouped) • Support for ESE timer code, decoded from LTC user bits • Added Masetro support for the VIP/NGI to support multiple copies/sizes of an input • Added Masetro support for the VIP/NGI to support multiple copies/sizes of an input • Added Masetro support for the VIP/NGI to support multiple copies/sizes of an input • Added Masetro support for the VIP/NGI to support multiple copies/sizes of an input • WSXGA+ output resolution for PPVs
VIPA12 VIPA Series	1.2.4 1.2.x	
VIPX Series	1.2.x	

MVP Installers: 2:12:0(EC0 11414) 2:12:1 (EC0 11507) 2:12:2 (EC0 12037) 2:12:4 (EC0 12214) 2:128 (EC0 12869) 2:12:10 (EC0 13012)         FIRMWARE REVISIONS:         DCP       1.2 B3         GI       2:11.x         GUINK4       1.5.1         OVSN       2:11.x         OVSNX       2:11.x         OVSRK       2:11.x         OVSRK       2:11.x         OVSRK       2:11.x         OVSRK       2:13.x         PPMV       2:13.x         PPMX 2:13.x       *Added a second analog clock face         PPN1X8G       1:02:0211         * Nielsen monitoring support         PPN12X10       1:02:0211         * VEX support         PPV 2       1:3.x         * Added doption to start support         PPV12       2:13.x         * Allow user to show/hide Dolty metadata table fields         * Added doption to start support for a router - the default source will be routed to a destination that becomes unuabal         SVMPD       1:14.x         * Allow user to stel default source for a router - the default source will be routed to a destination that becomes unuabal         STMPD       1:14.x         * Alded routes/ource function to set of available DCP user operations. For a given router, it allows a stru		KINGSTON RELEASE 2.12 x (March 3, 2009)				
GCP 12.83     GI 2.11.x     GLINK4 1.5.1     OVHSN 2.11.x     OVSNX 2.11.x     OVSNX 2.11.x     OVSNX 2.11.x     OVSSN 2	М	VP Installers: 2.12				
GI     2.11 x       GUNK4     15.1       OVHSN     2.11 x       OVSN     2.11 x       OVSN     2.11 x       OVSN     2.11 x       OVSHS     2.11 x       OVSHS     2.11 x       OVSHS     2.11 x       OVSGHS     2.13 x       PPMX8C6     2.13 x       PPR16X16     1.02 0211       * Nelsen monitoring support       PPR12X10     1.02 0211       * Destination Echo - a window's source will follow that which gets assigned to a given router destiation       PVP     2.13 x       * Alded dopion to start server automatically when System Manager starts up       * Alded dopion to start server automatically when System Manager starts up       * Alded dopion to start server automatically when System Manager starts up       * Alded dopion to start server automatically when System Manager starts up       * Alded dopion to start server automatically when System Manager starts up       * Alded dopion to start server automatically when System Manager starts up       * Alded dopion to start server automatically when System Manager starts up       * Alded dopion to start server automatically when System Manager starts up       * Added router input cycling suppor		ISIONS:				
LUNK4       15.1         OVHSN       2.11.x         OVSNX       2.11.x         OVSNX       2.11.x         OVSNX       2.11.x         OVSNS       2.11.x         OVSNS       2.11.x         OVSNS       2.11.x         OVSNS       2.11.x         PMX       2.13.x         PMX       2.13.x         PN1XS       2.13.x         PN1XS       1.02.0211         PVP1       1.02.0211         PVP1       0.02.011         PVV       2.13.x         PVV1       2.13.x         PV1       2.13.x         * Alded option to start server automatically when System Manager starts up         AUVPD       1.14.x         * Alded option to start server automatically when System Manager starts up         * Added option to start server automatically when System Manager starts up         SCT       1.14.x         SNMPD       1.14.x         * Added outousfource function to	DCP	1.2 B3				
OVISIN       2.11 x         OVSN       2.11 x         OVSNX       2.11 x         OVSRHS       2.11 x         OVSRHS       2.11 x         OVSGHS       2.13 x         PPMX       2.13 x         PPMX8G       1.02 0211         PVLT210       1.02 0211         PVLT2131       1.02 0211         PVLT2132       2.13 x         Added option batm server automatically when System Manager starts up         Added option batm server automatically when System Manager starts up         Added option batm server automatically when System Manager starts up         Added option batm server automatically when System Manager starts up         Added option batm server automatically when System Manager starts up         Added option batm server automatically when System Manager starts up         Added option batm server automatically when System Manager starts up         Added option batm server automatically when System Manager starts up         Added option batm server automatically when System Manager starts up         Added option batm server automatically when System Manager starts up <td>GI</td> <td>2.11.x</td> <td></td>	GI	2.11.x				
OVSN       2.11 x         OVSNX       2.11 x         OVSNX       2.11 x         OVSGHS       2.11 x         OVSGHS       2.11 x         OVSGHS       2.11 x         PMX       2.13 x         PMX       2.13 x         PMX       2.13 x         PPN1280       1.02 0211         PV121       1.02 0211         PV2121       2.13 x         PV1211       2.13 x         PV1211       1.02 0211         PV1211       1.02 0211         PV2121       2.13 x         PV1211       1.02 0211         PV1211       1.02 0211         PV1211       1.02 0211         PV2121       1.12 x         X11x configuration support         PV212       1.14 x         Allow configuration of secondary lP/port for Xenon routers         CPID       1.14 x         Allow configuration of secondary lP/port for Xenon routers         STMPHD       1.14 x         StMPHD       1.14 x         StMPHD       1.14 x         PROXD       1.14 x         PROXD       1.14 x         StMPHD       1.14 x         V	GLINK4	1.5.1				
OVSRNX         2.11.x           OVSGHS         2.11.x           OVSGHS         2.11.x           OVSGHS         2.11.x           VOVSGHS         2.11.x           VOVSGHS         2.11.x           VOVSGHS         2.11.x           VPMV         2.13.x           PPMXBG         2.13.x           PPR16X16         1.02.0211           PPR15X10         1.02.0211           PVP         2.13.x           PVP+D         2.13.x           Alder configuration of stowning upport           PV+D         2.13.x           Alder configuration of stowning both           VIPPO         1.14.x           Alder CSV import stopert           GPID         1.14.x           Alder configuration of stomer automatically when System Manager starts up           Adder doute CSV import for X nonn routers           GPID         1.14.x           Alder outer Source for a router - the default source will be routed to a destination that become sumaad           ST         1.14.x           SMMPPD         1.14.x           Adder douter input cycling support, which means disabiling monitoring on input cards during upster or uuter switches so that traps are not sent during the transition           VIP SUPPORT FOR	OVHSN					
OV3GHS       2.11 x         VV93GHS       2.11 x         VPMV       2.13 x         PPMX       2.13 x         PPMX       2.13 x         PPMX8       2.13 x         PPMX8       2.13 x         PPMX8       2.13 x         PPMX8       2.13 x         PPM125116       1.02.0211         PV12       1.02.0211         PV12       2.13 x         PV14       2.14 x         PV14       2.14 x         PV15       2.14 x         PV16       1.14 x         PV17       1.14 x         PV18       2.14 x         PV10       1.14 x         PV11       1.14 x						
OV3GHS_8DEM     211 x     KINGSTON FEATURES:       PPMV     213 x     -       PPMX     213 x     -       PPMX 82     13 x     -       PPR12816     102.0211     *Nelsen monitoring support       PPR12816     102.0211     *VIP Support       PPV +D     213 x     -       PV+V0     213 x     -       PV+V0     13 x     -       Allow user to showhite Dolty metadata table fields     -       Allow user to showhite Dolty metadata table fields     -       Allow configuration support     -       VPD     1.14 x     -       Allow configuration of secondary liPiport for Xenon routers     -       SINMPD     1.14 x     -       STMPHD     1.14 x     -       Allow configuration of secondary liPiport for Xenon routers     -       STMPHD     1.14 x     -       Allow configuration to set of available DCP user operations. For a given router, it allows as     -       Added outer sport cycling support, which means disabiling monitoring on input cards during upster     -       Added outer sport cycling support, which means disabiling monitoring on input cards during upster     -       Added outer sport cycling support, which means disabiling monitoring on input cards during upster     -       Adde outer sport cycling support, which means						
PPMV       2.13 x         PPMXG       2.13 x         PARXG       2.13 x         PARXG       2.13 x         PPMXKG       2.13 x         PPMXKG       2.13 x         PPN12X10       1.02 0211         PPR12X10       1.02 0211         PPV       2.13 x         PVVD       2.13 x         PVVD       2.13 x         PVL       2.13 x         PVD       1.14 x         SOT       1.14 x         PODD       1.14 x         PCO						
PPNX         2,13 x           PPNX8G         2,13 x           PANX8G         2,13 x           PPN1X8G         2,13 x           PPN1X8G         1,02 0211           PPR12X10         1,02 0211           PPV         2,13 x           PPN1X8G         1,02 0211           PPV         2,13 x           PV1X         2,13 x           PV1X         2,13 x           Allow user to showhide Dolty metadata table fields           Added option to start support           PV2         2,13 x           Allow user to showhide Dolty metadata table fields           Added option to start support           MVPD         1,14 x           POP         1,41 x           POP         1,14 x           POPD         1,14 x           POPD         1,14 x           POPD         1,14 x           Pocomes unused         Pocomes unused           SYMPHD         1,14 x           NCPD         1,14 x           NCPD         1,14 x           NCPD         1,14 x           NCPD         1,14 x           NCPOD         1,14 x           SYMPHO         1,14 x			KINGSTON FEATURES:			
pPR16X16     2 (13)     * Added a second analog clock face       PPR16X16     1.02 0211     * Nielsen monitoring support       PPR12X10     1.02 0211     * Wielsen monitoring support       PV     2.13.x     * Subset monitoring support       PV-V     2.13.x     * Added option to start server automatically when System Manager starts up       MVPD     1.14.x     * Alded option to start server automatically when System Manager starts up       GPID     1.14.x     * Alded option to start server automatically when System Manager starts up       MVPD     1.14.x     * Alded routes our for avoid input names       SDR/DD     1.14.x     * Alded routes our for avoid succe for a router the default source will be routed to a destination that       SORT     1.14.x     * becomes unused       SVMPHD     1.14.x     * be switced to a destination to set of available DCP user operations. For a given router, it allows a to destination to set of user in user out of user in set destination to set of available DCP user operations. For a given router, it allows a to destination to the source in user in user for user in user in user in user in the destination       NCPD     1.14.x     * be switce to a destination to set of available DCP user operations. For a given router, it allows a to the source in user in useriton       NCPD     1.14.x						
PPR16X16       1.02 0211       •Nielsen monitoring support         PPR16X16       1.02 0211       ·VIPX support         PPV       2.13.x       •Nielsen monitoring support         PVV       2.13.x       •Destination Echo - a window's source will follow that which gets assigned to a given router destination         PVV       2.13.x       *Allow configuration or sever-automatically when System Manager starts up         MVPD       1.14.x       *Allow configuration or sever-automatically when System Manager starts up         MCPD       1.14.x       *Allow configuration or secondary iPyort for Xenon routers         DCPD       1.14.x       *Allow configuration or secondary iPyort for Xenon routers         SNMPD       1.14.x       *Alded routeSource function to set of available DCP user operations. For a given router, it allows a to be switched to a destination         SCT       1.14.x       *Added router input cycling support, which means disabiling monitoring on input cards during upstream router witches so that traps are not sent during the transition         NCPD       1.14.x       *Added router support         VIP SUPPORT FOR:       VIPA Settes         VIPA Settes       1.34.x			* Added a second analog clock face			
PPR12X10     1.02.0211     *UPX support       PV     2.13.x     *Destination Echo - a window's source will follow that which gets assigned to a given router destinit       PV-V     2.13.x     *Allow configuration support       MVPD     1.14.x     *Allow configuration of linput names       GPID     1.14.x     *Allow configuration of linput names       SMMPD     1.14.x     *Allow configuration of secondary (Prior to Xenon routers       SMMPD     1.14.x     *Allow configuration of secondary (Prior to Xenon routers)       SVMPHD     1.14.x     *Allow configuration of secondary (Prior to Xenon routers)       ST     1.11.x     *Allow configuration of secondary (Prior to Xenon routers)       ST     1.14.x     *Boomes unused)       ST     1.14.x     *Boomes unused)       ST     1.14.x     *Boomes unused)       ST     1.14.x     *Added router input cycling support, which means disabiling monitoring on input cards during upstrest router switches so that traps are not sent during the transition       *Added router input cycling support, which means disabiling monitoring on input cards during upstrest router switches so that traps are not sent during the transition       VIP SUPPORT FOR:     VIPA series       VIPA series     1.3.x						
pPV     2.13.x     Destination Loho - a window source wit totow mat winch gets assigned to a given router destate.       PPV+D     2.13.x     * XLink-configuration support       PPV+D     2.13.x     * Alded option to start source automatically when system Manager starts up       MVPD     1.14.x     * Alded option to start source automatically when system Manager starts up       GPID     1.14.x     * Alded option to start source automatically when system Manager starts up       DCPD     1.14.x     * Alded option to start source automatically when system Manager starts up       SNMPPD     1.14.x     * Alded option to start source for a router - the default source will be routed to a destination that becomes unused       SCT     1.11.x     * Added order outer Source function to set of available DCP user operations. For a given router, it allows as to be switced to a destination       STR     1.14.x     * Added order outer Source function to set of available DCP user operations. For a given router, it allows as router switches so that traps are not sent during the transition       RTRD     1.14.x       NOPD     1.14.x       SYNCD     1.14.x       VIP SUPPORT FOR:       VIPA Series     1.3.x						
PPV+D     2.13x     * Allow both guidant support       MVPD     1.14.x     * Alded option to start server automatically when System Manager starts up       MVPD     1.14.x     * Alded option to start server automatically when System Manager starts up       GPID     1.14.x     * Alded option to start server automatically when System Manager starts up       DCPD     1.14.x     * Alded option to start server automatically when System Manager starts up       SNMPD     1.14.x     * Alded option to start server automatically when System Manager starts up       SNMPD     1.14.x     * Alded option to start server automatically when System Manager starts up       SNMPD     1.14.x     * Alded to option source for outer - the default source will be routed to a destination that become unused       MAESTRO     1.14.x     * Added router input cycling support, which means disabiling monitoring on input cards during upstream router witches so that traps are not sent during the transition       NMED     1.14.x     * Added router sput cycling support, which means disabiling monitoring on input cards during upstream router switches so that traps are not sent during the transition       NAMED     1.14.x     * Added router sput cycling support, which means disabiling monitoring on input cards during upstream router switches so that traps are not sent during the transition       VIP SUPPORT FOR:     VIPA served     1.24.x						
Added option to start server automatically when System Manager starts up     Added option to start server automatically when System Manager starts up     Allow configuration of secondary IP/port for Xenon routers     Allow configuration of secondary IP/port for Xenon routers     Allow user to set defaults source of 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     to be switced to a destination     Card or outer set of available DCP user operations. For a given router, it allows a     to be switced to a destination     Added routes not expected or the default source will be routed to a destination     Added routes not expected or available DCP user operations. For a given router, it allows a     to be switced to a destination     Added routes not expected or the default source will be routed to a destination     Added routes not expected or available DCP user operations. For a given router, it allows a     to be switced to a destination     Added router not expecting support, which means disabiling monitoring on input cards during upstread     router switches so that traps are not sent during the transition     ViP SUPPORT FOR:     ViPA Series     1.3.x						
MVPD     1.14.x     * Allow CSV import/export of input names       GPID     1.14.x     * Allow configuration of secondary IP/port for Xenon routers       DCPD     1.14.x     * Allow configuration of secondary IP/port for Xenon routers       SNMPD     1.14.x     * Allow configuration of secondary IP/port for Xenon routers       SVMPHD     1.14.x     * Added routeSource function to set of available DCP user operations. For a given router, it allows as       SCT     1.11.x     * Added routeSource function to set of available DCP user operations. For a given router, it allows as       MAESTRO     1.14.x     * Added routeSource function to set of available DCP user operations. For a given router, it allows as       NCPD     1.14.x     * Added router input cycling support, which means disabiling monitoring on input cards during upstream router witches so that traps are not sent during the transition       NCPD     1.14.x       VIP SUPPORT FOR:     VIPA series       VIPA Series     1.3.x	FEVID	2.13.8				
DCPD       1.14.x         SNMPD       1.14.x         SNMPD       1.14.x         SYMPHD       1.14.x         SYMPHD       1.14.x         SYMPHD       1.14.x         SCT       1.11.x         Added routeSource function to set of available DCP user operations. For a given router, it allows as to be switced to a destination         MAESTRO       1.14.x         NCPD       1.14.x         NCPD       1.14.x         PROXD       1.14.x         SYNCD       1.14.x         VIP SUPPORT FOR:       VIPA Series         VIPA Series       1.3.x	MVPD	1.14.x				
DUPD     1.14.x     becomes unused       SNMPD     1.14.x     * Addet routeSource function to set of available DCP user operations. For a given router, it allows a to be switced to a destination       SCT     1.11.x     * Addet routeSource function to set of available DCP user operations. For a given router, it allows a to be switced to a destination       MAESTRO     2.8.x     * Addet router input cycling support, which means disabling monitoring on input cards during upstree router switches so that traps are not sent during the transition       NCPD     1.14.x       PROXD     1.14.x       VIP SUPPORT FOR:     VIPA Series       VIPA Series     1.24.x	GPID	1.14.x	* Allow configuration of secondary IP/port for Xenon routers			
SMMPD       1.14.x       **Added routeSource function to set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operations. For a given router, it allows a sole set of available DCP user operation. For addition operations a so	DCPD	1.14.x				
SYMPHD     1.14.X     to be switced to a destination       SCT     1.11.X     *Addef orduer input cycling support, which means disabiling monitoring on input cards during upstreat router switches so that traps are not sent during the transition       RTRD     1.14.X       NCPD     1.14.X       PROXD     1.14.X       SYNCD     1.14.X       VIP SUPPORT FOR:       VIPA Series     1.3.X	SNMPD	1.14.x				
SCT     1.11.x     * Added router input cycling support, which means disabiling monitoring on input cards during upstream router switches so that traps are not sent during the transition       MAESTRO     1.14.x       NCPD     1.14.x       PROXD     1.14.x       SYNCD     1.14.x       VIP SUPPORT FOR:       VIPA Series     1.24		1.14.x				
MAESTRO 2.8.x router switches so that traps are not sent during the transition RTRD 1.14.x PROXD 1.14.x PROXD 1.14.x SYNCD 1.14.x VIP SUPPORT FOR: VIPA12 1.2.4 VIPASeries 1.3.x						
NCPD         1.14.x           PROXD         1.14.x           SYNCD         1.14.x           NAMED         1.14.x           VIP SUPPORT FOR:         VIPA12           VIPASeries         1.3x						
PROXD         1.44.x           SYNCD         1.14.x           NAMED         1.14.x           VIP SUPPORT FOR:         VIPA12           VIPA2         1.2.4           VIPASeries         1.3.x						
SYNCD         1.14.x           NAMED         1.14.x           VIP SupPORT FOR:           VIPA12         1.2.4           VIPASPIES         1.3.x						
NAMED         1.14.x           VIP SUPPORT FOR:         VIPA12           VIPA212         1.2.4           VIPASeries         1.3.x						
VIP SupPort FOR: VIPA12 1.2.4 VIPA Series 1.3.x						
VIPA12 1.2.4 VIPA Series 1.3.x	NAMED	1.14.x				
VIPA12 1.2.4 VIPA Series 1.3.x						
VIPA Series 1.3.x						
LONDON RELEASE 2.13.x (September 21, 2009)						

000	4.0.00	
DCP GI	1.2 B3 2.12 x	
GI INK4	2.12.x 1.5.1	
GLINK4 OVHSN	1.5.1 2.12 x	
	2.12.x 2.12.x	
OVSN OVSNX	2.12.x 2.12.x	
OVSNX OV3GHS	2.12.x 2.12.x	
OV3GHS_8DE PPMV	M 2.12.X 2.14.x	
PPMV PPMX	2.14.x 2.14.x	
PPMX PPMX8G	2.14.x 2.14.x	
PPMX8G PPR16X16	2.14.x 1.02.0211	LONDON FEATURES:
	1.02.0211	
PPR12X10 PPV	1.02.0211 2.14.x	* Server-side layout "snapshots", which can be created/loaded from CP2200e and Maestro
PPV PPV+D	2.14.x 2.14.x	* Nielsen display and fault detection in MVP
PPV+D	2.14.X	* Router and EQX Server name synchronization
MVPD	1.15.x	* MVP Operator Client (Maestro but with limited control) * Layout synchronization between Maestro and CP2200e panels
GPID	1.15.x 1.15.x	* VIPX/VIPA-DUO multi-resolution support
DCPD	1.15.x 1.15.x	* OV3G macroblock detection
SNMPD	1.15.x 1.15.x	* Allow deletion of Maestro global presets
SYMPHD	1.15.X 1.15.X	* In-place text label editing in Maestro and Operator Client
SYMPHD	1.15.X 1.12.x	* Maestro option to disable window resizing
MAESTRO	2.9.x	
RTRD NCPD	1.15.x	
	1.15.x	
PROXD	1.15.x 1.15.x	
NAMED	1.15.x	
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 Installer	s: 2.14.0 (ECO 1465	6) 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 REV	ISIONS:			
DCP	1.2 B3			
GI	2.13.x			
GLINK4	1.5.1			
OVHSN	2.13.x			
OVSN	2.13.x			
	2.13.x			
	2.13.x			
OV3GHS_8DEM				
	2.15.x			
	2.15.x			
	2.15.x			
	1.02.0211			
	1.02.0211			
	2.15.x			
PPV+D	2.15.x	MUSKOKA FEATURES:		
MVPD	1.16.x	* Support for 2048 VGPIs		
GPID	1.16.x	* Support for 16 channel audio monitoring with OV3G		
DCPD	1.16.x	* Support AES pair selection for Dolby decode		
SNMPD	1.16.x			
SYMPHD	1.16.x			
	1.13.x			
	2.10.x			
	1.16.x			
NCPD	1.16.x			
PROXD	1.16.x			
SYNCD	1.16.x			
NAMED	1.16.x			
VIP SUPPORT F	OR.			
VIPA12	1.5.1			
	1.5.x			
VIPX Series	1.5.x			
	SUPPORT			
VIPA16-DUO-RG	BR 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
FIRMWARE R		* Onscreen Dolby audio widget
	EVISIONS:	* Onscreen logos * Individual disolav cards can have different fonts
DCP	1.2 B3	* Background image configuration in SCT/System Manager
GL	1.2 D3 2 14 y	* Configurable loss-of-video image or colour
GI INK4	2.14.x	* 16 channels of Dolby audio (without sacrificing PCM channels) * Faster and more capable renderer
OVHSN	2.14 x	* Faster and more capable renderer * Throbbing and blinking tallies
		* Audio bar grouping (into one or more channels, not just in pairs)
OVSN	2.14.x	* Default clock face when CFlash is not inserted
OVSNX	2.14.x	* Scalable analog clocks (ie. any size)
OV3GHS	2.14.x	* Load backgrounds after booting (to get video up faster) * Add 'strech' mode for background images
OV3GHS_8DE		* Window from shadows
PPMV	2.16.x	* Support 96pt and 144pt font sizes
PPMX	2.16.x	* Phosphor fade effect on audio bars
PPMX8G	2.16.x	* Configurable onscreen control cursor * Configuration of default onscreen alarm names in SCT
PPR16X16	1.02.0211	* Canvas configuration tool
PPR12X10	1.02.0211	* 3D video monitoring on VIPA/VIPX cards
PPV	2.16.x	* Protect against uploading wrong firmware on OV, GI, and VIPA/VIPX
PPV+D	2.16.x	* Tally 3 and 4 support for TSL protocol
		* Connection error triage for DEC32
MVPD	1.17.x	* Display Listen command to symphony
GPID	1.17.x	* Notiftyd daemon
DCPD	1.17.x	* Support for the DEC32 * Support for the EMR
SNMPD	1.17.x	* Ticker object
SYMPHD	1.17.x	* Ticker console in SCT
SCT	1.14 x	* NTP date to UMD
MAESTRO	2.11.x	* Bit rate low and high triggers for DEC32 * Commercial insert trigger for DEC32
RTRD	1 17 x	* Per channel audio ber faults
NCPD	1.17.x	* Second symphony port
PROXD	1.17.x	* Audio only object
SYNCD	1.17.x	* Right to left text rendering
NAMED	1.17.x	* UMD's support 32 characters * Support for multiple UMD colours with image video protocol
INAMED	1.17.8	* Audio Loudness triggers
		* Window Source query command in symphony
		* VideoSourceChange trigger
		* Support for PPMX16-4H4V card in SCT * support for Global Timers
		support of Global Timers

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RELEASE 2.16.x (MARCH 14, 2012)			
MVP Installers: 2.16.1 (ECO 18054)			
FIRMWARE REVISIONS:		ORILLIA FEATURES:	
DCP	1.2 B3	<ul> <li>Added sticky note object that links to monitor object's input, and updates when input to that monitor object changes.</li> <li>Added extra protocol ids for OV inputs (Trac # 143).</li> </ul>	
GI	2.15.x	- Added extra protocol colours to UMDs (Trac # 144).	
GLINK4	1.5.1	- Added daylight savings time to NTP clocks.	
OVHSN	2.15.x	<ul> <li>Added Neilsen Watermark faults and decoding.</li> <li>Memory optimizations in server and display cards. Server now uses dynamic memory allocation for PC server to handle</li> </ul>	
OVSN	2.15.x	<ul> <li>we not y optimizations in server and display cards. Server now uses dynamic memory allocation for PC server to handle larger systems.</li> </ul>	
OVSNX	2.15.x	<ul> <li>Display cards now boot into static ip mode after low level nv clear if runtime is not set.</li> </ul>	
OV3GHS	2.15.x	- Server now supports legacy 16 data word layout packets to fix backward compatibility issues with panels.	
OV3GHS 8DEM	1 2.15.x	<ul> <li>Added automatic naming of imported systems in SCT</li> <li>Changed default number of audio programs channels to 8 from 16. for DEC32</li> </ul>	
PPMV	2.17.x	- GUI and bug fixes for ip source list menu in SCT, for DEC32	
PPMX	2.17 x	<ul> <li>Increased the size of default cursor for onscreen control</li> </ul>	
PPMX8G	2.17 x	- Increased number of VGPIs from 2048 to 4096 on MVP and VIPA's.	
PPR16X16	1.02.0211	<ul> <li>Removed caption decoder mode and enable teletext decode from VIPX and non CSX VIPA cards</li> <li>Support for new card types VIPM, VIPXM and 3000HDMI</li> </ul>	
PPR12X10	1.02.0211	Capport of new card types on in, on Ann and Coortinant	
PPV	2.17.x	- Support added for 2048 Tallies (NEAT)	
PPV+D	2.17 x	- Added "Show Path Link "in Maestro to debug stream path information on display card	
	2.11.8	- Added trap for video source change	
MVPD	1.18.x	- Dolby field selection made window based, before they were card based.	
GPID	1.18.x	- Dolby widget made more stable ( dolbyProgConfig buffered )	
DCPD	1.18.x	- SCTE 104 GPIs (six) added to OV/PPV max router size increased to 2200x1728 in mvod	
SNMPD	1.18.x	- Telnet serial menu added to disolay cards/VIPXs	
SYMPHD	1.18.x	- Global timers added to server, redmine # 7126. (rc19)	
SCT	1.15.x	- Added canvas device info to probe display packet in mvpd. refs #6477	
MAESTRO	2.12 x	<ul> <li>Added blink time to tallies in tallyobject</li> <li>sct can now delete cursor images on the card</li> </ul>	
RTRD	1.18 x	- Sci can now denet curso images on the card	
NCPD	1.18.x	- sourcename as varbind, added to source change trap	
PROXD	1.18.x	- Support up to 40KB compressed file size for PC server.	
SYNCD	1.18.x	<ul> <li>When source names are changed by name service, send name updates to display cards for all affected windows(NEat).</li> <li>This will cause 'Source Name' UMDs to update. Fixes #6563.</li> </ul>	
NAMED	1.18.x	<ul> <li>Increase max router size to 2200x1728 from 1152x1728 for CSPAN. Patched from mvp_norfolk-branch.</li> </ul>	
NAMED	1.18.X	- Added Video Type Mismatch fault	
1/10 01/00007 500		<ul> <li>In NAES status box, for NAES status type, HF removed, and watermark PC, FD1, FD2, FD3 added.</li> </ul>	
VIP SUPPORT F		- mvpd support exactly 1152x1152 EQX plus 80 16x8 EQTs     - Added video loss image on connection error at display	
VIPA12	NOT Supported	<ul> <li>- Added video loss image on connection enor at display</li> <li>- Increase num of protocol ids to 4096, and reduce max umd text to 32.</li> </ul>	
VIPA Series	2.0.x	<ul> <li>Added echo debug mode to UMD reader. refs #6499</li> </ul>	
VIPX Series	2.0.x	<ul> <li>max number of ppv/s increased in mvp server from 20 to 24.</li> </ul>	
VIPX/A-CSX	SUPPORT	<ul> <li>Added support for timeout functionality on server, for Maestro to work properly when server busy.</li> </ul>	
VIPA16-DUO-RGBR SUPPORT			

PRESTON			
RELEASE 2.17.x (PACKAGE TO BE RELEASED SOON)			
MVP Installers: 2.17.0 (ECO 19686)			
FIRMWARE REVISIONS:			
DCP GI GLINK4 HDMI8-AC3 OVHSN OVSNS OVSNS OV3GHS PPMV PPMX86 PPMX86 PPR12X10 PPV PPR12X10 PPV PPR12X10 PPV PPR12X10 PPV PPR12X10 PPV GPID DCPD SNMPD SCT MAESTRO RTRD NCPD PCVD SYMPHD SCT NAMED VIPA12 SVTCD NAMED VIPA4 SCT VIPA4 SCT VIPA4 SCT VIPA5 SCT VIPA5 SVCD VIPA5 VIPA6 VIPA5 VIPA6 V	218x 218x 218x 1020211 1020211 228x 119x 119x 119x 119x 119x 119x 119x 11	PRESION FEATURES: = Support for new card types VIPM, VIPXM and 3000HDMI = SOTE 104 GPIs (ski) added to VIPs = max router asso made variable in myol = Added dothyE line loss to OV (MVF = Added the Encytoine present "function" = Added data subtile widget = Added abuttile widget = Inderwend a upport for the client request lock timeout in the client request header = Rendering the 3-letter language code on the subtite widget instead of the full language name	
SEAN PHAV – APRIL 2012			