

Version	Revision Notes
3.19.9	<p>MAJOR UPDATE D5200/DuetD-5 AVBE FW from 2.12 to 2.16 (Fix 4K60 Video Output)</p> <p>Add delay to decoder USB kernel module to prevent random Decoder boot crash</p> <p>Update API Handler Hardening and Cleanup</p> <p>Update QUERY.QKR Parameters</p> <p>Update XB5 Encoder HPD Monitor</p> <p>Update XB5 Encoder Ethernet functionality in Boot Loader</p> <p>Update Netstat Display</p> <p>Update 05_2160P60_LPCM_2CH EDID with working version</p> <p>Update Visionary Ethernet Switch Controller Process</p> <p>Update FW Upgrade/Downgrade by Model to reduce mismatch issues</p> <p>Update Boot Loader default environment to include function for unit recovery</p> <p>Remove Native AES67 RX functionality from Web GUI</p>
3.19.8	<p>MAJOR UPDATE completely re-tool API handler. Add new background query task to perform heavy lifting and share learned data via shared memory to speed up the API handling process</p> <p>MAJOR UPDATE new QUERY.QKR=TRUE command to retrieve all necessary params for External Control (QSC, Crestron, etc.)</p> <p>Add XB5 VLAN Tagging/Trunking and Fabric Attach Support</p> <p>Add XB5 USB Reset Controls to diagnostics Page</p> <p>Add XB5 Do not allow XB5 Decoder to tune to PEER XB5 Encoder</p> <p>Add XB5 allow connected PC to see Dante Control and Config Multicast Data</p> <p>Add XB5 Support for new Flash Device</p> <p>Add XB5E script for handling XB5 USB resets based on Hot Plug detection status</p> <p>Add XB5E DANTE.TX_AUDIO control to allow user to select DISPLAYPORT Audio or USB Audio Path to Dante Tx</p> <p>Add XB5D AUDIO.AEC_ENABLED API control (Save and Reboot Required)</p> <p>Add XB5D error checking and retry to initialization peer detection</p>

Add XB5D VIDEO.FORMAT controls. Scaler now works same as all other Decoders

Update XB5 Bootup dynamically update main index Web UI page

Update XB5 HDMI labels to DISPLAYPORT

Update XB5E USBDP-HDMI FW to version 0.5.f

Update XB5E Default Dante Device Name

Update XB5D CRT_MCU FW to 1.33

Update XB5D USBUVC FW to 1.10

Update XB5D STREAM.AUDIO setting during bootup

Update XB5D Network Control Filters

Update XB5D Decoder USB Audio initialization so Dante Audio can flow through to the PC even without a valid Route to the Decoder

Remove XB5E bootup RESET commands from USBDP-HDMI Kernel Driver

Remove XB5D VIDEO.GENLOCK

Remove XB5D USB.ENABLED and sub controls, not supported in this model

Add new models to Mass Config, remove unused keys

Add LLDP for new models

Add Decoder Scaler Changes instant rather than requiring Save and Reboot

Add D5000 Native AES67 Controls and functions

Add Native AES67 Receive functionality

Add D5200 allow AVBE firmware updates (with latest hardware mod)

Add admin user console/telnet menu level access like 4 Series

Add Stream Restart Button on Diagnostics Page of All Models

Update Encoder EDID files specific to Model and Serial Number of unit

Update javascript error when uploading firmware via webpage

Update not adding 802.1q tags to packets leaving the Uplink Port when set to TRUNK mode

Update STREAM.BIT_RATE Controls now work and have more options

Update BT state machine and data transfer

Remove Visionary API Watchdog, replace with internal checker and dumper vapi_backlog

- 3.19.5 Add New Video Resolution Formats and Add 3840x2400@30
 Add Factory default handling for XB5
 Update Javascript Error when attempting to Set to DHCP without un-needed params present
 Update EDID upload between Models
 Update D200/DuetD-5 AUDIO.DAC_MUTE setting at bootup
 Remove False Firmware Update Fail message at beginning of update log
- 3.19.4 Add check AVFE Version at boot, do not force upgrade
 Add Audio Controls for XB5
 Add Field Upgrade of XB5E USB_DP-HDMI (latest version 1.19.0,0.4.1)
 Add Field Upgrade of XB5D CRT_MCU (0.21) and USB UVC Output Device (1.03)
 Update Behavior when receive STREAM.HOST=0.0.0.0 OR 127.0.0.1 go to LOGO Mode
 Update Bootloader and Kernel Drivers to support new flash part mx25u51245g on XB5
 Update erratic non-streaming behavior when USB is enabled and connected to Encoder
 Update IP.VLAN_TRUNK_MODE for WallPlates and DuetX-5
 Update IP.VLAN_TRNUK_MODE=TRUE behavior
 Update units to be discovered in VLite when set to DHCP with no DHCP Server present
 Update QOS_DSCP tagging of Audio, Video and USB
 Update Self Register AES67 RTP and SAP data streams
 Update errant DHCP behavior
 Update GPIO Output Control on E5200 and D5200
- 3.19.3 Add LLDP on new models (XB5, DuetE5-WP-C, DuetE5-WP-C-BT, DuetD5-WP)
 Add new param VW.ROTATION_RESET
 Add Audio Controls for XB5
 Update Web Page returning early from Firmware Update
 Update field upgrade and version checking of AVFE for E5200/DuetE-5

- 3.19.2
 - Add support for new Bridge Model XB5E and XB5D
 - Add Decoder Scaling option of 2400x1350@60Hz
 - Add only Stop Video when VIDEO.OUTPUT gets set to anything but Normal (leave other services running)
 - Add Visionary API Watchdog application
 - Update Switch Control from script to Application
 - Update switch level stream filtering for use by the XB5 Bridge
 - Update functionality of HDCP REJECT in E5200 and DuetE-5 platforms
 - Update Advanced OSD, add Alpha and Timer params
 - Update VIDEO.SOURCE_TIMEOUT defaulting to TRUE
- 3.19.1A
 - Update AUDIO.DAC_MUX during initialization for DuetD5 and DuetE5-WP
 - Remove AUDIO.DAC_MUX controls from DuetE5-WP-H and DuetE5-WP-BT
 - Remove Custom EDID button from MV5E
- 3.19.1
 - Add support for new model D5000
 - Add back the NEW_HOST_IP_(IP_ADDR) section to response from STREAM.CONNECT to maintain compatibility with Encd User API Parsing code
 - Add debug for encoder Stream startup params
 - Update USB, Video, Audio drivers and control apps
 - Update JavaScript Libs JQuery to v3.7.1 and Bootstrap to v5.3.3
 - Replace Switch Control from scripts to new Application format with lockout capabilities
- 3.18.17
 - Add new Visionary watchdog to monitor and restart API if it hangs
 - Add date to log for checking timing between startup processes
 - Update Duet Launching, hold UltimoX chip in Hard Reset on DuetX-5 and perform Soft Reset on Duet-WP Models

- 3.18.16 Add delay launching Duet
 Add launching debug

- 3.18.15 Add D5000 Model to system
 Add current resolution to MV5 Info Page
 Update MassConfig CSV File to support UTF-16 in and out
 Update AUDIO.DAC_MUX parameter setting at bootup

- 3.18.14 Add javascript filesize check to Splash Image update
 Add AES67 QOS Controls
 Add BT.BUTTON_ENABLED to GUI of BT Units
 Add Diagnostics link to Main GUI
 Add Enable/Disable MassConfig buttons to Diagnostics page on Decoders
 Add Save Config Button to Diagnostics page of all units
 Add VideoWall Keys back to MassConfig, removed unused/invalid keys
 Add DHCP to continually attempt to get an address, even if it fails at initial boot
 Add Restart Stream button to Encoders Diagnostics page
 Add Netstat Query Button to Diagnostics page for all Units
 Add Latest Version to MV5 info section
 Update Network Stream Filters in internal switch
 Update switch AES67 functions and PTP config
 Update handling for QSC PTP Announce packet containing extra bytes
 Update GPIO control for E5200 and DuetE-5 (IR functionality)
 Update to allow TAG Controls for DuetE5-WP-BT
 Update MV5 Default Scaler functionality

- 3.18.13 Add MV5 Scaler Version to SPI replies, and show on MV5 info Page
 Add ve_checker.sh
 Update MV5 Scaler

Update Auto-IP Failover when DHCP Fails
Update WP loss of analog audio when HDMI is unplugged
Update syntax of switch to avoid breakout error
Update power and link LED Polarity on MV5

- 3.13.56 Add GPIO to X5100
 Add SRC MUTE for rework units that use SOC GPIO instead of Ultimo GPIO
 Update btm_button debounce to match 4 series
 Fix Analog Volume Control on D5100
- 3.13.54 Add API control over Power and Link LEDs
 Add direct re-connect to same host after going into VIDEO.OUTPUT=STANDBY/LOGO/OFF
 Add API control over Power and Link LEDs
 Add new default Splash Screen image
 Re-enable Dante options in GUI
 Resolved audio issue with wallplates when no HDMI connected
 Resolved wallplate audio routing issues
 Fix display of decoder and encoder IP addresses on Splash Screen
 Fix javascript error when attempting to save Config Page GUI on E5-WP
 Fix E5-WP no analog audio
 Fix non-defaulted parameter state in GUI
 Fix for SRC ticking with MOD-DANTE-5
- 3.13.46 First public release