

Version	Revision Notes
3.19.14	Update XB5E: Update internal USBC-DP-HDMI FW to support newer PD Version 3.2 Handshake (as seen with newer Apple MAC Neo) Update XB5E: Allow Dante Audio via USB when no DP-alt mode available on PC. Add API key DANTE.VLOCK_DETECTION=FALSE for XB5E Dante Audio Update XB5E: New API key DANTE.SILENCE_DETECTION=TRUE/FALSE defaults to TRUE, set FALSE if having issues with unwanted MUTING Update Decoder: fix queued video switching Update Decoder: fix failure to save and reboot from Configuration page when STREAM.HOST=127.0.0.1 Update ALL: disable tftp server, allow user to disable Telnet via UNIT.TELNET_ENABLED=FALSE, allow user to disable HTTP via UNIT.HTTP_ENABLED=FALSE Update ALL: allow disable SSH via UNIT.SSH_ENABLED=FALSE, allow disable HTTPS via UNIT.HTTPS_ENABLED=FALSE <i>Note on above: User cannot disable both Telnet and SSH if so SSH will still run, user cannot disable both HTTP and HTTPS if so HTTPS will still run</i> Update Decoders: Queued Video Switching
3.19.13	Update QUERY.ALL and QUERY.QKR parameter mismatches Update Duet Models: Dante muting based on active HDMI input signal Update DuetD5-WP: Calibration timing for high-speed data bus Update DuetD5-WP: Add internal switch filtering as for other models Update BT Models: Allow BT audio to work when HDMI has video but no audio
3.19.12	Update DuetE5-WP-C/DuetE5-WP-C-BT video autodetection Update DuetE5-WP-C/DuetE5-WP-C-BT use same EDID for USB-C as HDMI Update XB5E reset control behavior for USB detection Update XB5E USBC-DP_HDMI update function and logging messages Update XB5D Video Output color space

Update E5200/DuetE-5 USB-C and AUTO input modes

Update E5200/DuetE-5 display of STREAM.PRIORITY in Web GUI

Update Decoders kernel to address crash reboot when switching from
VIDEO.OUTPUT=OFF --> VIDEO.OUTPUT=NORMAL

3.19.11 Add DuetE5-WP-C/DuetE5-WP-C-BT STREAM.MODE=AUTO and STREAM.VIDEO_PRIORITY
Functions to Web GUI

Update Native AES67: make it run always even if no audio is present

Update DuetE5-WP-C/DuetE5-WP-C-BT VLAN Tagging and Trunking

Update DuetE5-WP-C/DuetE5-WP-C-BT Visionary Customized EDID

Update XB5E STREAM.AUDIO missing in Web GUI

Update MV5E Scaler Update Function

Update Encoders STREAM.BIT_RATE display in Web GUI

3.19.10 Add support for new DuetE5-WP-C, DuetE5-WP-C-BT, and DuetD5-WP products

Add DuetE5-WP-C-BT Bluetooth audio capabilities

Add DuetE5-WP-C AVFE Query and Update functions

Allow XB5D user to DISABLE link on provided PC LAN Port via IP.PC_PORT

Update Console admin user password to match Web admin password

Update Bootloader

Update QUERY.AES67_INFO No Valid API CMD Reply

Update Mass Configuration Keys

Update Encoder default setting for STREAM.BIT_RATE

Update Encoder STREAM.MODE and STREAM.BIT_RATE

Update Decoder STREAM.CONNECT function

Update Decoder VIDEO.OUTPUT mode change timing

Update XB5E mismatched Sample Rate when passing Dante Audio to the PC via USB

Update DuetE5-WP-C-BT STREAM.VIDEO selection during installation

Update DuetE5-WP-C/DuetE5-WP-C-BT EDID name

Update Duet5-WP-C USB features to work when USB-C not selected as Video input
Update E5200/D5200 VLAN Tagging for Expansion port when Trunking is enabled
Update MV5 Diagnostics Info Display
Remove XB5D OFF option from VIDEO.OUTPUT

3.19.9 MAJOR UPDATE D5200/DuetD-5 AVBE FW from 2.12 to 2.16 (Fix 4K60 Video Output)

Add delay to decoder USB kernel module to prevent random Decoder boot crash
Update API Handler Hardening and Cleanup
Update QUERY.QKR Parameters
Update XB5 Encoder HPD Monitor
Update XB5 Encoder Ethernet functionality in Boot Loader
Update Netstat Display
Update 05_2160P60_LPCM_2CH EDID with working version
Update Visionary Ethernet Switch Controller Process
Update FW Upgrade/Downgrade by Model to reduce mismatch issues
Update Boot Loader default environment to include function for unit recovery
Remove Native AES67 RX functionality from Web GUI

3.19.8 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

MAJOR UPDATE new QUERY.QKR=TRUE command to retrieve all necessary params for External Control (QSC, Crestron, etc.)

Add XB5 VLAN Tagging/Trunking and Fabric Attach Support
Add XB5 USB Reset Controls to diagnostics Page
Add XB5 Do not allow XB5 Decoder to tune to PEER XB5 Encoder
Add XB5 allow connected PC to see Dante Control and Config Multicast Data
Add XB5 Support for new Flash Device
Add XB5E script for handling XB5 USB resets based on Hot Plug detection status

Add XB5E DANTE.TX_AUDIO control to allow user to select DISPLAYPORT Audio or USB Audio Path to Dante Tx

Add XB5D AUDIO.AEC_ENABLED API control (Save and Reboot Required)

Add XB5D error checking and retry to initialization peer detection

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