Version	Revision Notes
5.2.4	**PacketAV Suite 1.1.4 (from Q-SYS Library My Packages area)** **Decoder Plugin v5.2.4, Encoder Plugin v5.2.4:** New: Property to enable preview image polling via HTTPS for 4 Series (requires fw 2.3.172+ to enable). The new Property is called, "Preview HTTP Mode" and defaults to HTTP. Change to "HTTPS" and issue the following command to enable HTTPS on 4 Series: `IPaddress/cgi-bin/wapi.cgi?CMD=START&UNIT.ID=ALL&UNIT.HTTPS_ENABLED=TRUE&UNIT.SAVE=TRUE&UNIT.REBOOT=TRUE&CMD=END` ***(No changes to IR Driver and Router plugins)***
5.2.3	**PacketAV Suite 1.1.3 (from Q-SYS Library My Packages area)** **Decoder Plugin v5.2.3, Encoder Plugin v5.2.3:** Fix: IR functionality didn't work with Q-SYS Designer 10.3.0+ ***(No changes to IR Driver and Router plugins)***
5.2.2.1	**PacketAV Suite 1.1.2 (from Q-SYS Library My Packages area)** **Decoder Plugin v5.2.2.1:** Improvement: OSD Text field can now accept spaces. Improvement: OSD Text field is now polled on its own cycle, once every four Query Poll Rate intervals. Example: a 5 second poll rate means polling VIDEO.OSD_TEXT about every 20 seconds.
5.2.2	**PacketAV Suite 1.1.1 (from Q-SYS Library My Packages area)** **All Plugins:** **New: Plugins are now available as a Personal Package you can add to your Q-SYS Library account to access in Q-SYS Designer 10.1+. *See the '24-00187-004_Adding_Visionary_PacketAV_to_Q-SYS.pdf' file with this collection for details.*** New: Added a Help page with QR code and helpful links.

New: When Core/Emulation PC has Internet access, a periodic version check (~2 hours) will poll the current release. If the plugins are current, a green LED and “Plugins Up to date” message appears on the Help page. If there is an update, the LED and message will indicate, “Plugin update available.” This alerts you to the availability of a new Q-SYS Library package or ZIP on Visionary’s website (downloads tab for each product). For Q-SYS Library updates:

1. On the Q-SYS Library site, Go to the My Packages tab in My Library.
2. On your Visionary PacketAV entry, click the 3-dot menu on the right
3. Select ‘Refresh’.
4. When you Refresh or open Asset Installer while Signed In to Q-SYS in Designer, you will see a new package to install. Installing will replace the existing package with the new version.
5. For users of Q-SYS 10.0 and earlier, you can download the package from the library site to unzip into the Documents\QSC\Q-Sys Designer\Plugins folder. But you shouldn’t have plugins in both locations (Assets\Personal Packages) or there will be conflicts.

Encoder:

New: Added support for E5000 (available soon).

Router (Thumbnail Mode:

Fix: Select 0 functionality didn’t work with 5.2.0 Decoder plugins

Fix: Switching for Decoder plugins in Independent Routing Mode caused error

Fix: Crosspoint changes did not work with Decoders in 4 Series mode

Improvement: In Select 0 Mode, when linked decoder’s Video Output Mode is not “NORMAL” and the crosspoint is switched to an encoder (non-zero), the Router will change the Video Output Mode to “NORMAL” along with the Encoder IP. This helps to avoid conflicts when the Decoder’s “Trust Video Output” property is set to “Plugin.”

5.2.0 **Decoder:**

Change: The default Trust Mode is now “Plugin” instead of “Device”

Fix: Encoder Source Notify now correctly handles new Routing Mode property

Remove: reboot (redundant) and PeerID (obsolete) controls from Main page

Fix: Encoder IP USB row not hidden when USB was disabled

Router:

Fix: In Thumbnail Mode, controlling a Decoder in Independent Routing Mode was broken

5.1.0.9 Release Candidate for 5.2.0

Decoder:

- New: Separate 'Trust Video Output' for protecting "Video Output" control.

- New: Change reliance upon STREAM.HOST_LINKED property to Routing Mode property. Default is "Linked". In Linked mode, separate video, audio, and USB are hidden. In "Independent" mode, Encoder IP All is hidden. Users will need to choose the appropriate mode to have the correct controls/pins available.

- New: If Trust Mode is set to "Plugin," green border is added to Encoder IP controls.

- New: If Trust Video Output is set to "Plugin," green border is added to Video Output control.

- New: On Event Log page, added 'Clear Log' button.

- New: On Event Log page, if Show Debug is set to "Yes," a new 'Enable API Logging' toggle button is shown. When turned on (yellow), all outgoing (TX) and incoming (RX) API traffic will be added to the Debug Output window. NOTE: 'Enable API Logging' is automatically disabled when the design or plugin restarts. NOTE #2: The Debug Output window only retains the last 64 entries. To capture API traffic over a longer period, extend the Query Poll Rate from 5 (seconds) to something longer (lower-right of the Main page). 30 seconds would result in 1/6 of the query updates. You can also enable logging to a text file in Q-SYS Designer to retain more than 64 entries.

Change: When 'Event Log Rows' is changed, the Event Log text window is expanded to expose all rows.

Encoder:

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Change: When 'Event Log Rows' is changed, the Event Log text window is expanded to expose all rows.

5.1.0.8 **Encoder:**

- Remove: Bluetooth Volume Control
- New: Bluetooth controls added for DuetE5-WP-C-BT
- New: Stream Video options for DuetE5-WP-C and DuetE5-WP-C-BT
- Improved: If BT is disabled, BT header now shows "BT is Disabled"
- Fix: First QKR response caused crash due to missing BT info.

5.1.0.7 **Decoder:**

- Change: Re-enable UpdateIRStatus call when design starts.

Encoder:

- Add: GPIO Parsing improvements from Decoder 5.1.0.6
- Add: Serial client handling improvements from Decoder 5.1.0.6
- Add: Query Revert
- Fix: Reuse of "serial" as a variable name for both RS-232 and unit serial number caused issues in certain parsing functions

5.1.0.6 **Decoder:**

- New: Serial client improvements. Added options to force serial clients to reinitialize

- Improvement: GPIIO parsing supports either TRUE/FALSE or 1/0 in query responses
- Change: Grouped some properties into Diagnostics section
- Fix: Reuse of "serial" as a variable name for both RS-232 and unit serial number caused issues in certain parsing functions
- Fix: OSD Text was removed when using QKR polling method

5.1.0.5 **Encoder/Decoder:**

- Improvement: On 5 Series units, retrieve preview images using HTTPS

5.1.0.4 **Decoder:**

- New: Added 'Query Revert' feature to properties. This forces decoder to use QUERY.ALL polling instead of QUERY.QKR

5.1.0.3 **Decoder:**

- New: Added 'Connect Delay', 'Connect Delay ms', and 'Connect Suppress' properties
- Change: Enabled "INITIALIZING - Waiting for IR" state when IR is enabled and before connect has been received from IR Driver plugin

5.1.0.2 **Decoder:** Add CEC controls for D5000 model

5.1.0.1 **Decoder:**

- Put OSD (On-Screen Display) and Serial states parsing only occur with QUERY.ALL by putting the parsing inside "if qkrResp" condition

Encoder:

- Put Serial states parsing only occur with QUERY.ALL by putting the parsing inside "if qkrResp" condition

5.1.0 **Decoder/Encoder:**

- Fix: GPIO section was showing "GPIO is Disabled" when it wasn't on QKR firmware versions

5.0.99.11 **Decoder:**

- Fix VW Active API parsing to variable and variable to control (now VW Active button tracks state)

5.0.99.10 **Decoder:**

- Add Audio Active Property and LED Control
- Add Video Active LED Control
- Add Reload boolean option in Dev mode
- Add 'reboot' flag to send ALL query after timeout
- Update model codes to support DuetD5-WP
- Refactor ApiToTbl function to parse API properties with leading &, rather than trailing.
- Add support for new QKR methods in 3.19.8+
- Change Discovery query to QUERY.ALL=SHORT
- Update QDS 10.0.0 emulation bug error message to cover 10.0 (all versions).
- Remove unused update_str_control_wo_eht function
- Add "Choose from list" or "No Units Discovered" after first discovery to show the Discovery combo-box state
- Permanently added the Sending TCP data to Virtual Serial Port debug print
- Add Trust mode option to protect Encoder IP and Video Output controls from being overwritten by changes on decoders. Setting to "Plugin" will send an update command if a query returns a non-matching result. Setting to "Device" is the original behavior.
- When connecting to a different/new decoder, the encoder IP addresses are cleared.
- When an invalid decoder IP address is entered, show an error message instead of trying to connect.

- Improve state machine progression to OK in different scenarios
- Lower the frequency of polling using the ALL queries for older fw versions. Change GPIO polling from 1/s to every even second.
- Separate GPIO Enable detection and hiding of GPIO controls
- Refactor res parsing to always store global res string. Simplify Hot Plug Detect logic

Encoder:

- Add Reload boolean option in Dev mode
- Add Input Status LEDs (x3) for units with HDMI switch.
- Remove 'Get BT Info' button.
- Added DuetE5-WP-C and DuetE5-WP-C-BT
- Remove GetTableLength() function.
- Add 'reboot' flag to send ALL query after timeout
- Refactor ApiToTbl function to parse API properties with leading &, rather than trailing.
- Add support for new QKR methods in 3.19.8+
- Change Discovery query to QUERY.ALL=SHORT
- Update QDS 10.0.0 emulation bug error message to cover 10.0 (all versions).
- Add "Choose from list" or "No Units Discovered" after first discovery to show the Discovery combo-box state
- Permanently added the Sending TCP data to Virtual Serial Port debug print
- When an invalid encoder IP address is entered, show an error message instead of trying to connect.
- Improve state machine progression to OK in different scenarios
- Lower the frequency of polling using the ALL queries for older fw versions.
  - Change GPIO polling from 1/s to every even second.
  - QUERY.BT_STATUS polling is now every 10 seconds if non-QKR fw on BT models only
- Separate GPIO Enable detection and hiding of GPIO controls
- Refactor res parsing to always store global res string. Simplify Hot Plug Detect logic
- Add Event Log messages for HDMI Output change, Stream Vision change, Stream Audio change

- Change resolution parsing order (5 Series before 4 Series)
- Remove unecessary video_output EventHandler function (only for decoders)
- Add new 'Dante TX Audio' combo box for XB5E and new Model code bit
- Better handling of BT Power On and Pairing behavior
- Change HDMI Out to a control array with Label to hide when not used.

Router:

- Add support for version 2.x/3.x Encoder and Decoder plugins
- Fix Encoder count
- Fix Thumbnail mode issue where Encoder/Decoder assignments are reset every time design is started

5.0.1.3 Update to address memory leak cases

Decoder:

- Improvement: Update Response End handling to minimize timeouts leading to Missing status

Encoder:

- Improvement: Update Response End handling to minimize timeouts leading to Missing status
- Improvement: Code Refactor for ApiToTbl function to return when invalid API formatting is detected.

5.0.1.0 Second Asset Manager Release (Suite v1.0.1.0)

- Fix: Encoder and Decoder failed to recover from any missing UDP API responses, leading to a memory leak.
- Fix: Encoder plugin didn't show OK main status when first connected and no video was present.

- Improvement: Show Debug shows current runtime version to check against version shown in UI.
- Improvement: Router in 'Thumbnail' mode now shows crosspoint thumbnail buttons in 16:9 with higher resolution.
- Change: Router in 'Thumbnail' is now limited to 16x16 to limit performance impact. Properties may need to be adjusted after upgrading.

5.0.0.x **First public release to Q-SYS Asset Manager (Suite v1.0.0.0)**

Includes:

- Encoder v5.0.0.27
- Decoder v5.0.0.51
- Router v5.0.0.14
- IR Driver v5.0.0.12