

# *AVN2XX Release Notes*

version 2.11

## **AVN2XX\_2\_11**

1. Support new on board flash replacement part
2. Add option to allow DHCP to never timeout and try forever
  - a. No still means don't even try, just use static
  - b. Yes means try, but give up and default to static if fails
  - c. Force means never stop trying, don't use default address
3. Fixed PMT/PID setting losing upper nibble in some cases

## **AVN2XX\_2\_10**

1. Fix 480x480 Resolution
2. Change Update to Save on Browser Network Page
3. Removed S.I. Verbose option from Browser Options Page
4. Add Aux Stream link to VLC view page, if they came from there
5. Allow changes to stream settings through console, only if the unit is not already streaming
6. Create default AUX Stream File to avoid error and have constant default settings
7. Change Console Menu item "Re-Stream" option to "Aux Stream"
8. Fix Aux2 Stream not working without Aux1

## **AVN2XX\_2\_09**

1. Fix AVN210 Code Status Light Blink Routine
2. Fix API AUX Stream fMode setting (always PSI + NULL)
3. Fix No Audio Problem (MAJOR)
4. Fix SAP extra data check before add to sdP

## **AVN2XX\_2\_08**

1. Further Fix RTP/UDP setting in Video Start through API
2. Further Fix FEC Crash Conditions through Browser
3. Change "Web Management" to "Browser Management"

## **AVN2XX\_2\_07**

1. Fix System Integrity toggling bug in API call
2. Fix MPP200 Slot ID Reporting through API
3. Fix RTP/UDP setting in Video Start through API
4. Fix Browser FEC set and start bug

## **AVN2XX\_2\_06\_mtu**

1. Enable idma Flag for smaller MTU for stream packets

## **AVN2XX\_2\_06**

5. Add API Atod Query
6. Add API Stream Query
7. Make API Fmode 32 bits
8. Add API SAP Query
9. Fix Active Tunnel TCP Send
10. Fix Passive Tunnel RS-422 Send
11. Add Flag to idma control to allow for smaller MTU stream pkts

## **AVN2XX\_2\_05\_ATS**

1. Create Current Audio Only TS Build
  - a. Allow for approx 420k Audio only inside TS

#### **AVN2XX\_2\_05**

1. Remove DTV Code

#### **AVN2XX\_2\_044**

1. Add API GOP Control (not yet tested)
2. Optimize Video Send Loop
3. Change Factory Default complete light pattern on AVN220
4. Change Default PID Values back (32,101,300,301)
5. Allow control over DSCP field in IP header for AV Packets (QOS)
6. Add API Mute capability for AVN200 units
7. Attempt to Hack Image Aspect Ratio Setting (1:1, 4:3, 16:9)
  - b. Removed from standard Build

#### **AVN2XX\_2\_043**

1. Add API Control over Setting of PID Values (not yet Tested)
2. Change default PID values for special customer: 480,481,481,482

#### **AVN2XX\_2\_042**

1. Allow user control over Transport Stream PID Values including PMT, PCR, Video and Audio.
2. Only available through the Console Menu

#### **AVN2XX\_2\_041**

1. Turn on extra filtering inside Empress for LCD display optimization
2. Add hidden 2014/2015 menus to toggle it on and off

#### **AVN2XX\_2\_04**

1. Fix broken loading of Video Encoder Settings (MAJOR)

#### **AVN2XX\_2\_03**

2. Add Further Control to Video AtoD Settings
  - a. Allow Enable/Disable of AGC and set manual levels
  - b. Allow Enable/Disable of White Peak Control
3. Add API access to new AtoD Settings, otherwise hidden console only
4. Modify System Integrity Task to ignore Gain Limits when AGC is disabled
5. Modify debug strings in console during telnet connect

#### **AVN2XX\_2\_02**

6. Modify IRPP bootup Path fix DHCP init and boot streaming delay
7. Invert Successful API Video Query UDP/RTP setting

#### **AVN2XX\_2\_01A**

1. Add API control of AUX Streams (+ main)
2. Fix internal structure for API based ATOD control
3. Add API control to access Uptime and CPU utilization
4. Allow for configurable boot streaming delay timer from console
  - a. Web Browser can currently only disable and enable (set to 5 secs)
  - b. API modified for Boot Streaming control as well (configurable)

#### **AVN2XX\_2\_019**

1. Modify Multiburst distortion setting, turn off 3db chroma enhancement
2. Update default SAP Author String
3. Fix Routing Bug

#### **AVN2XX\_2\_018**

1. Fix Reboot/Save from Stopped Web Management Page
2. Fix Resolution reporting on Web Management Page
3. Adjust Port Range
4. Adjust default SAP Session Name
5. Add Web Based SAP Control

#### **AVN2XX\_2\_017**

1. Change Boot Streaming timing mechanism
  - a. Check whether dhcp is enabled and wait if so
2. Update NCC200 PStreaming process management
3. Adjust NCC200 Restreaming checks
4. Update SAP, PStream, and SIT exit routines
5. Clean up Console menu admin status

#### **AVN2XX\_2\_016**

1. Fix AVN210 Bass Control Setting, Console and Web
2. Remove display of RS422 on AVN210 Console
3. Update Auxiliary Streaming Web Controls
4. Add Auxiliary Streaming Console Controls
5. Add Primary Stream / Auxiliary Streams sync mode
6. Fix System Integrity and Boot Streaming controls from Web
7. Remove AVN name from Rebooting and AUX Web Pages for OEMs
8. Add bounds check to console GOP Setting
9. Allow GOP changes to take effect without requiring unit reset, just stream reset
10. Fix API real time instant video toggle/set
11. Remove top level TTY Menu from Console, add functions to lower level

#### **AVN2XX\_2\_015**

1. Fix SAP Listener mode in IGMP State Machine (NCC only)

#### **AVN2XX\_2\_014**

1. Fix unicast boot streaming with minor start delay to allow for ARP
2. Added top level switch for API based AtoD control including CC
3. Added lower level functions for API based AtoD control including CC

#### **AVN2XX\_2\_013**

1. Fix bitrate range for AVN220 on Streaming Page
2. Fix Reset Audio defaults from Console and Web for AVN210
3. Add SAP Control to API interface, and update API doc

#### **AVN2XX\_2\_012**

1. Fixed Admin/Start/Stop Button on bottom of main page
2. Fix username/password setting from Web
3. Allow Dynamic setting of PMT Audio Stream Info (No Audio Mode)

#### **AVN2XX\_2\_011**

1. Force Username/Password to access Aux Stream Page from Web
2. Allow Modification of Username/Password from the Web
3. Fix response to API Toggle Audio Input Call (ACK)
4. Modify Factory Default Task to run twice per second rather than once

#### **AVN2XX\_1\_99 & AVN2XX\_2\_01**

1. Factory Default system update
  - a. Created Delayed task context which allows other activities to complete before the default and reset
2. Remove OEM ID Setting from Options Menu for non VSI Products

- a. Only VSI Branded products will allow for OEM ID overwrite
- 3. Conditionally add DSCP32 for Stream Data (AVN2XX\_1\_98\_dscp32\*)
  - a. turned off by default in stock build
  - b. need to come back and add options for setting
- 4. Fix AVN210 Web Interface to show all 3 video interfaces
  - a. Fix Pcode bug, show all 3 choices and no toggle button on main page

#### **AVN2XX\_1\_98**

- 1. Console Menu Factory Default changed to OEM FD from Manufacturer FD
  - a. OEM ID settings should be preserved
  - b. Should be the same as blue button Factory Default
- 2. Implement staggered timer response to discovery to avoid network congestion
  - a. Pause before responding to AVN Discovery requests
  - b. Pause time is pseudo random based on serial number
- 3. Modified SAP defaults
- 4. Removed additional reply from API Query Video Stats
  - a. There were responses before, bug
- 5. Disable DHCP at bootup on Units with Serial Number < 100 (VATS)
  - a. Unserialized units should not use DHCP for compatibility with the VATS production diagnostics test application
- 6. Update Audio API commands, allow Saving/Defaulting of AVN220 Audio
- 7. Add new API commands
  - a. Query Unit Name
  - b. Query Unit Location
  - c. Query Unit Comments/Notes
  - d. Query Flash Device Type and Size
- 8. Re-Enabled IRPP Product Level configuration in the Make Environment
- 9. Implement SAP Listener (Proto Development for Controller Dev)
  - a. add igmp hooks
  - b. add table display to web and console
  - c. build SAP based EPG for Amino or VLC clients

#### **AVN2XX\_1\_97**

- 1. DHCP Fixed
  - a. Modified DCHP Client State Machine to stay in the Bound state until proper release timer expires
  - b. No longer exit Bound state due to broadcast DHCP offers being sent
  - c. Modified Packet size on DHCP re-request send
- 2. Remove Green Line from VLC Display
  - a. Add option to AtoD control menu to disable Closed Captions
  - b. When Closed Captions are not encoded, then the Green Line is not displayed as confused active video lines during the VBI
- 3. Add ASCII check to console OEM ID set function
  - a. Add check to new OEM ID string to make sure that no illegal characters are present
- 4. Add Comment field to AVN Description
  - a. Add comment field which along with Name and Location fields can be used to distinguish AVN2XX units from one another on a given network
- 5. Removed Manufacturer Name from initial Bootup Display
  - a. When an AVN unit boots up it no longer displays the BootCode Version and manufacturer copyright info Visionary Solutions INC, 2006
  - b. This is useful for OEM customers who do not want to advertise information about the original manufacturer.