

## AVR500/AVR600/AV888 Software Release Notes

**Version 2.4** (Version 1.2, 1.3, 1.4, 1.5, 1.6, 1.7 to Version 2.4 requires update of Main Unit & DSP Code. Version 1.8, 1.9, 2.0, 2.1, 2.2 to 2.4 requires update of the Main Unit).

### Update Matrix

| Version     | V1.2 | V1.3 | V1.4 | V1.5 | V1.6 | V1.7 | V1.8 | V1.9 | V2.0 | V2.1 | V2.2 | V2.3 | V2.4 |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Main        | X    | X    | X    | X    | X    | X    | X    | X    | X    | X    | X    | X    | X    |
| DSP         | X    |      |      |      | X    |      | X    |      |      |      |      |      |      |
| Network     | X    |      |      |      |      |      |      |      |      |      |      |      |      |
| Front Panel | X    |      |      |      |      |      |      |      |      |      |      |      |      |

### Version 2.4

#### Major Bugs Fixed

1. Audio sometimes muted after input format change
2. Press and hold to force analogue/digital could corrupt menu OSD
3. Sirius no OSD when selected via front panel
4. Tape audio input keeps defaulting back to analogue
5. Turn on unit with front panel controls (not main power button), HDMI video out sometimes failed to start

#### Minor Bugs Fixed

1. Dolby Volume & Leveller control help text corrected
2. AVR500 - Change "tuner fitted" to "DAB tuner fitted" for clarification in US market
3. Dolby volume defaults to 9, changed to 2 for more appropriate default after system reset
4. "auto" input select option still listed in help text

### Version 2.3

#### Major Bugs Fixed

1. Fixed AVR500 noisy fan control
2. Lockups due to conflicting Z1/Z2 tuner states fixed
3. Video path configuration lockup fixed
4. RS232 control handler lockup fixed
5. Fixed the lockup which can happen when taking the unit out of standby

#### Minor Bugs Fixed

1. Correction to speaker crossover setup
2. New video ADC values
3. Reflasher code is more robust
4. Fixed Z2/Z3 power up problem

## AVR500/AVR600/AV888 Software Release Notes

### Enhancements

1. Separated input from output - sink can now be connected/removed with no reconfiguration of the source side (now can get continuous audio when switching outputs).
2. Removed auto audio/video scanning – forces the user to specify the connection to increase performance
3. Watch the game while listen to the radio commentary! OSD now times out on AM/FM sources
4. RS232 control interface tidy up.

## Version 2.2

### Minor Bugs Fixed

1. Some parameters not communicated to DSP when powering up in certain configurations, fixed
2. Fan control and shutdown temperatures revised

## Version 2.1

### Major Bugs Fixed

6. Composite scanning of non-composite input on AVR500 fixed

### Minor Bugs Fixed

5. Zone 2 & Zone 3 IR/RS232 commands now available from other zones

### Enhancements

5. ADC Calibration over RS232

## Version 2.0

### Major Bugs Fixed

1. Yellow tinge on component input fixed, and YUV target values corrected (requires re-calibration, instructions below)
2. HDMI Outputs for dual display setups fixed
3. Auto-priority output now works with sinks that do not let go of the hotplug
4. Incorrect HDMI clock settings experienced under certain circumstances now fixed
5. Colourspace and aspect ratio when switching to DVI sources fixed
6. The “No video” problem experienced occasionally over HDMI is fixed.
7. Further improvements to prevent system lockups when switching to HDMI sources, and on power-up.

### Minor Bugs Fixed

1. Sirius radio compliancy fixes
2. Popup to display video resolution now displays correctly
3. HDMI interoperability problems experienced with some panels and projectors improved.

### Enhancements

1. AVR500 build available

## AVR500/AVR600/AV888 Software Release Notes

2. Break in 2channel audio experienced with some sources when skipping tracks etc, has been minimized
3. Added "Phono" input selection to Audiocontrol build
4. Added additional functionality available via discrete IR commands for setting HDMI out 1 (16-73), HDMI out 2 (16-74), HDMI out 1 & 2 (16-75).

### Component Input Calibration

If the component inputs are to be used, the unit will need to be re-calibrated after installing software v2.0.

1. Connect to the display by the composite out ONLY.
2. Connect component out to VCR component in (all three wires) so you are looping the AVR output back to the AVR input
3. Turn on the unit, select VCR in
4. Enter user menu
5. Change component mode to RGsB (NOT RGB+sync) in the input config page
6. Exit the user menu
7. Enter the engineering menu (press & hold Menu)
8. Select ADC cal (nav up is quicker!) & press OK, then vol+ to start
9. You should see black & white bars – wait until you get a "calibration completed" message
10. Exit engineering menu
11. Enter user menu
12. Change component mode to normal in the input config page
13. Exit the user menu
14. Enter the engineering menu (press & hold Menu)
15. Select ADC cal (nav up is quicker!) & press OK, then vol+ to start
16. You should see colour bars – wait until you see a "calibration completed" message
17. Exit engineering menu
18. Turn off & disconnect all wires

## Version 1.9

### Major Bugs Fixed

1. Implemented changes to suppress switching noises on input changes
2. Improvements made to prevent random lockups on source changes

### Minor Bugs Fixed

1. Correctly muting optical out Z1 when Z1 is in standby but Z2 and/or Z3 is not
2. For iPod input, if a current list is empty the unit will now not show the "1 of 0" message
3. Correction made to the output resolution RS232 message to prevent incorrect information being send
4. Correction made to the tuner tuned frequency RS232 message to prevent incorrect information being send
5. When a video source is assigned to the iPod input, the VFD will now correctly update
6. Correction made to correctly restore audio when headphones are removed
7. Correction made to make sure Display stays off when set to off
8. Changes implemented to prevent the ARCAM logo to be displayed after power up.

## AVR500/AVR600/AV888 Software Release Notes

9. During power down sequence correct RS232 power message will be send
10. Changing the input mode for iPod/Net input is now correctly implemented on the VFD
11. Improvements made to suppress the burst of noise when selecting FM presets
12. During auto setup, OSD now update correctly to indicate the current progress
13. Changes made to the HDMI configuration when unit is connected to a sink in standby/off to prevent HDCP error upstream.
14. Changes made to prevent unit lockup when sending multiple discrete power down commands.
15. Changes made to improve reliability of audio over HDMI for certain sources
16. Improvements made to the HDMI Auto-Priority output switching.
17. Changes made to WSS decoding/default setting – if the source does not indicate aspect ratio, it will default to 16:9 if the setting is auto

### Enhancements

1. All HDMI output resolutions are now available regardless of the attached sinks EDID
2. Improved Audio Source selection, now possible to limit the audio input to Auto, HDMI only, Digital Only and Analogue Only
3. On a HDCP error between the AVR and Sink unit will display a message instead of muting the output
4. Enhancements made to the muting method

## Version 1.8

### Major Bugs Fixed

1. Implemented changes to improve the masking of clicks and pops due to audio format changes, sample rate changes, incorrect audio formats, etc.
2. DTS Hi-Res audio detection has been resolved
3. Correction made to 1080p24 output when HDMI output setting is set to both displays and one of the displays is not present or turned off.
4. Added option to frame rate selection for HDMI output to follow the source. This can be used to force 1080p24 output.
5. Changes implemented to prevent audio input stuck on digital when now digital input present.

### Minor Bugs Fixed

1. Front Panel control of Z2/3 will time out after period of inactivity
2. Added correct display of accented characters from MP3 tags
3. Prevented reset of HDMI resolution selection if an invalid EDID is read
4. Correct problem of no audio when inputting MCH PCM at 176.4kHz & 192kHz
5. Corrected image corruption for a 576i analogue input to 1080i output
6. Implemented changes on how IR is handled in standby to prevent unit hanging
7. Extended the RS232 protocol
8. Improvements made to the update of the VFD information
9. Small changes made to reduce the time for audio the return on audio format changes
10. Exit Standby from system code 19 now works if this is the selected code for the unit
11. Prevented Zone 2 to go to a fixed volume level when the test tones are activated in zone 1
12. Changes made to OSD refresh when popup are active to prevent odd information being displayed
13. Insertion/removal of headphones would not always apply/remove stereo downmix correctly.

## AVR500/AVR600/AV888 Software Release Notes

14. DAB Preset will be erased when a new DAB Scan is started.
15. Updated iPod interface
16. Minor changes to HDMI to improve reliability
17. Minor change to front

### Version 1.7

#### Major Bugs Fixed

1. Changes made to prevent random noise when using HDMI Audio.

#### Minor Bugs Fixed

1. Corrected incorrect applying of delays when units set to meters and relative distance was larger than about 5 m

### Version 1.6

#### Major Bugs Fixed

1. Changes implemented to improve smooth audio transitions from SPDIF input sources. Reduce the spats on the outputs.
2. Updated the RS232 protocol (protocol is now at version 1.2)
3. Changes made in selection of multi-channel PCM from HDMI to prevent lose of all channels except front left/right
4. Internal backup added (default passcode 1234)

#### Minor Bugs Fixed

1. Made improvement to VFD update to prevent screen being left blank or partially updated.
2. Improvements made to VFD update speed when the iPod and Net have a video input assigned
3. Engaging/disengaging EQ will now mute the output briefly to prevent gain jumps
4. Changing the mode inclusion/exclusion are now saved to flash
5. Selecting the MCH input will not ignore the setting for SBL/SBR
6. Fixed issue were unit would stop responding when receiving a simulated IR command over RS232 while in standby.
7. 768p output from unit has been disabled as this is not a standard output resolution. If 768p is the preferred output resolution on HDMI, SD Progressive will be selected instead.
8. When unit enters standby while muted, it will now power up using the volume before it was muted.
9. Additional discrete IR commands added for control of Zone 2/3 in Zone 1
10. Correct issue where muting Zone 2/3 would set the volume in Zone 1 to zero
11. Corrected issue that Zone 2/3 would not come out of standby using the remote control standby button
12. Mute command for Zone 2/3 will now function correctly when Zone 1 is in standby
13. Corrected issue where Zone 1 audio would not return when Zone 2/3 would be powered up before Zone 1.
14. Zone 2/3 will now show volume 00 instead of showing MUTE. When the Zones are muted it will show the MUTE text.

## AVR500/AVR600/AV888 Software Release Notes

15. Changing inputs will now turn the digital output off until the correct internal digital stream is selected.

### Version 1.5

#### Major Bugs Fixed

1. Corrected problem where a 5.1 audio stream could be played back as a 2.0 with only Left and Right information available.

### Version 1.4

#### Major Bugs Fixed

1. Improvements made to correctly configuration of the video path/output when the source is 1080p24

#### Minor Bugs Fixed

16. The aspect ratio of the incoming analogue video can now be changed on the fly using Shift+ CH- on the amp page. (Toggles from Auto -> 16:9 -> 4:3 -> Auto). On changing inputs the settings gets changed to Auto
17. The crossover frequency shown on the Auto Setup page will now be the same as applied to the setting when measurements are accepted.
18. Correction made to VFD information send by host as it was possible that top and bottom line to be out of sink
19. Corrections to OSD
  - a. Shortened Preferred (SD Progressive)
  - b. Error message for Bass, Treble and Sub Trims in stereo direct mode/Multi channel
20. Sub Trim popup will now give error message in stereo direct mode
21. Corrections made to how Auto Setup results are applied to system settings
22. It is now possible to apply DD EX, PLIIx, etc post-processing to a DTS-HD 5.1 source when SBL and SBR are present

### Version 1.3

#### Major Bugs Fixed

1. Implemented pass through mode for 1080p24. In other cases 1080p24 input will be blanked
2. Made improvements to the reliability of information shown on VFD Display
3. Corrected no audio after running auto setup

## AVR500/AVR600/AV888 Software Release Notes

### Minor Bugs Fixed

1. When VFD Dim mode is set to OFF, VFD will be turned on for 5 seconds when receiving commands that require information to be displayed on the VFD
2. The check for headphones connected has been included in the Startup sequence, to prevent audio to be passed to the speakers for a brief period.
3. Updates to the OSD layout/Text:
  - a. Sub trim popup text clash
  - b. Autosetup text not fitting
4. Updates to Text shown on VFD:
  - a. DAB Scanning text
5. Volume commands will no be ignored when Z2/Z3 is set to fixed volume
6. Z2/Z3 Max on volume implemented correctly
7. Zone 2/3 volume will now track max volume when max volume is ramped down
8. Implemented Shift OK on IR to change zones (as per zone button of front panel)
9. Z1 Headphone output will be muted when entering standby with Z2 and/or Z3 still on.
10. Video tape loops will be muted when Z1 enters standby.
11. Turning unit into standby with menu on, will correctly close the menu first.
12. Max on volume & max volume will now change with the same step size as the volume step
13. For the Trim popup menu, implemented press & hold changing the slider bars correctly.
14. Corrected auto tune for FM and AM
15. Corrected sync loss for 1080i in to 1080p out
16. Improved HDMI PLL calculations to improve reliability of data stream
17. Can correctly change HDMI output resolution for HDMI 1&2 out when only one monitor is connected.
18. Improvements made to correct handling of MCH PCM
19. Will now show MUTE when pressing mute when volume is 0dB
20. 0.0 is now the lowest value in the volume control on the VFD/OSD
21. Sub distance is now copied correctly from auto setup results
22. Autosetup now recognizes channels 6 & 7 set to Z2
23. Improvements implemented to prevent subwoofer pops during audio stream changes.
24. During Startup sequence, composite video is selected but input will be blocked until scan/direct video selection is completed.
25. Reinserting USB after removing USB while playing a track from the device, will now reset the screen to the home page (only if display is showing USB Removed).
26. Changes implemented to Frame Rate selection when video output is set to Preferred/Best
27. EDID will be updated according to Sink's 24P Capabilities
28. Changes implemented to improve clean audio stream changes
29. Improvements made to DSP initialization process.
30. Default values updated:
  - a. HDMI outputs set to preferred/Best
  - b. Max on volume set to 50

### Version 1.2

Initial production release