AV860/AVR850/AVR550/AVR390/SR250 Software Release Notes

To update:
Unzip the files & put onto a memory stick (so they are only files on the stick)
Turn on the AVR & wait until fully started
Insert the stick into the USB socket on the rear of the AVR
Simultaneously press INFO & DISPLAY on the front panel
Wait for the USB stick to be searched
Wait around 15 minutes, do NOT power off during this time
The AVR will restart after completing the upgrade.
To check your software version, press INFO & DIRECT simultaneously, the VFD will show:

Host Version 7.14

IAP 1.07

DSP 4.35 / 3.90.50.00

OSD 0.20

NET 2.6.19.60208-16

The unit MUST be restored to factory defaults and any setup changes made again after an update. To do this, press and hold the MENU key on the unit for approximately 5 seconds (until the VFD shows SETUP MENU), release the MENU key, then press OK, then press DIRECT. The unit should then power cycle
Due to the EEPROM contents changing between software versions, restoring settings from a secure backup is NOT recommended.

Host Version 7.14

IAP 1.07

DSP 4.35/3.90.50.00

OSD 0.20

NET 2.6.19.60208-16

Fix list:
20046: Implement DTS Virtual:X (NOT SR250)
20061: Volume incorrectly reported over IP on turn on
20117: Reduce MCH stereo by 6dB to match other upmixers
20167: Sub2 level trim forgotten if different to sub1 after turning Dirac off/on
20180: CD direct function optimised
20183: Dolby Atmos + Stereo Downmix +Dirac no audio on some test streams
20184: Some music BDs (DTS HD-MA) have no audio if Dolby Surround is added
20187: IP/RS232 messages clash if inputs are switched too quickly
20190: No audio if no display is connected & HDCP applied by source
20192: Implement IMAX Enhanced (NOT SR250)
20196: PCM5.1+Dirac+heights but with no upmixer enabled audio artefacts present
20197: IP messages can be lost if volume is spun quickly for extended periods
20198: Legacy DTS + Dirac with no centre speaker can lose dialogue information
20200: If unit in mute when going into standby, RS232 mute message on turn on is incorrect.

Note: Updating will clear your Dirac setup – it is required that you re-run the Dirac capture.

Arcam, The West Wing, Stirling House, Waterbeach, CB25 9PB, UK

AV860/AVR850/AVR550/AVR390/SR250 Software Release Notes

Host Version 4.41

IAP 1.07

DSP 0.09 / 3.90.35.00

OSD 0.20

NET 2.6.19.60208-16

The unit MUST be restored to factory defaults and any setup changes made again after an update. To do this, press and hold the MENU key on the unit for approximately 5 seconds (until the VFD shows SETUP MENU), release the MENU key, then press OK, then press DIRECT. The unit should then power cycle

Due to the EEPROM contents changing between software versions, restoring settings from a secure backup is NOT recommended.

Host Version 4.41

IAP 1.07

DSP 0.09/3.90.35.00

OSD 0.20

NET 2.6.19.60208-16

Fix list:
20017: Zone 2 input query over RS232/IP returns Zone 1 name.
19688: DD+ with Dirac on give brief level jump when stream starts
19867: DD+ support over ARC
19868: Turn off bass manager when playing Dirac test tones
19885: MCH stereo ignores lip sync
19886: DHCP set to "no" not remembered on hard power cycle
19917: Default height crossover to 80Hz (was 40Hz)

Note: Updating will clear your Dirac setup – it is required that you re-run the Dirac capture.

Arcam, The West Wing, Stirling House, Waterbeach, CB25 9PB, UK

Host Version 4.31

IAP 1.07

DSP 0.85/3.90.35.00

OSD 0.20

NET 2.6.19.60208-16

The unit MUST be restored to factory defaults and any setup changes made again after an update. To do this, press and hold the MENU key on the unit for approximately 5 seconds (until the VFD shows SETUP MENU), release the MENU key, then press OK, then press DIRECT. The unit should then power cycle.

Host Version 4.31

IAP 1.07

DSP 0.85/3.90.35.00

OSD 0.20

NET 2.6.19.60208-16

Fix list:
19605: Turn on VFD (if set to off after x seconds) in FM/DAB mode for numeric, info & colour keys.
19607: Ramp volume up/down on user mute.
19608: Move Dirac Live EQ after bass management.
19650: Implement Dolby Vision pass through (supports Dolby Vision, HDR10, Hybrid Log Gamma).
19696: Possibility of occasional random pixels on menu OSD if no source connected.

Note: Updating will clear your Dirac setup – it is required that you re-run the Dirac capture.

Arcam, The West Wing, Stirling House, Waterbeach, CB25 9PB, UK

Host Version 4.17

IAP 1.07

DSP 0.82/3.90.35.00

OSD 0.20

NET 2.6.19.60208-16

We recommend the unit is restored to factory defaults and any setup changes made again after an update. To do this, press and hold the MENU key on the unit for approximately 5 seconds (until the VFD shows SETUP MENU), release the MENU key, then press OK, then press DIRECT. The unit should then power cycle.

Host Version 4.17

IAP 1.07

DSP 0.82/3.90.35.00

OSD 0.20

NET 2.6.19.60208-16

Fix list:
19573: Dolby Surround RS232 message is incorrect (0x00 instead of 0x06 as documented).
19576: Dolby Atmos & DTS:X RS232 message 0x43 changed to data1 0x16/017, data2 0x20 – as object based, so source channel count is not known.
19582: When setting radio preset for Z2, Z1 input changes
19584: When carrying out Dirac measurements,changed the way the bass manager is configured.
19587: Sub trim could not be engaged if Dirac was on.
19588: Last item on input config > extended mode not shown on non-English languages.
19589: If VFD set to go off after x seconds, radio tuning functions do not turn on the VFD.
19592: Tone control operation incorrect.
19599: DTS HD-MA 7.1+Dolby Surround level incorrect on some downmix configs.

Note: Updating will clear your Dirac setup – it is required that you re-measure & load a new Dirac setup.

Arcam, The West Wing, Stirling House, Waterbeach, CB25 9PB, UK

ARCAM

AV860/AVR850/AVR550/AVR390/SR250 Software Release Notes

Host Version 4.10

IAP 1.07

DSP 0.82/3.90.35.00

OSD 0.20

NET 2.6.19.60208-16

Fix list:
19553: HDR info corrupted if two displays are connected to Zone1 out1 & out2 simultaneously
19549: 192kHz PCM + post processing + EQ can distort output from some sources
19519: DTS96/24 can lose audio after cycling all available modes.
19487: DD+Neural:X+EQ & DTS+Dolby Surround+EQ level increase on some speaker configs.
19493: Dolby Enabled speakers have no output for legacy format+Neural:X on some speaker configs.
19494: DSP does not update on height speaker change until mode change/power cycle.

Note: Updating will clear your Dirac setup – but it is ok to reload a project from Dirac application v1.2.1 or later.

Arcam, The West Wing, Stirling House, Waterbeach, CB25 9PB, UK

Host Version 4.06

IAP 1.07

DSP 0.82/3.90.35.00

OSD 0.20

NET 2.6.19.60208-16

Fix list:
18505: Add DTS:X & DTS Neural:X support
19300: Some DD2.0 LtRt+Dolby Volume streams give brief noise when skipping chapters
19402: DTS6.1 does not downmix centre to L/R if centre = none.
19347: Disc (16/90) brings up dialogue control (note only when DTS:X dialogue objects present)
19342: Change "treble-" direct RC5 command to 16/102
19115: Add control of HDMI output 1 & 2 (zone 1) by pressing AMP and > keys on the remote.
19275: US spelling corrected for center (centre) and analog (analogue) on VFD.
19280: AV860 support

Note: Updating will clear your Dirac setup – but it is ok to reload a project from Dirac application v1.2.1.

Host Version 3.82

IAP 1.07

DSP 0.72

OSD 0.20

NET 2.6.19.60208-16

Fix list:
19031: Dirac EQ for height channels
19104: 1080p30 reported as 1080p60, 1080p25 reported as 1080p50
19105: Dirac not applied to some x.0 setups
19106: Playing Atmos, engage DIRECT mode, height pre outs not muted
19021: Playing DD2.0, switch EQ on/off brief jump in audio level

Host Version 3.76

IAP 1.07

DSP 0.69

OSD 0.20

NET 2.6.19.60208-14

Fix list:

19087: Audio stutter after fast forward on some set top boxes

19093: RS232 stops responding after several hours

19085: 44.1kHz digital source / Dirac on / audio takes a few seconds to restore after track change with some sources.

19053: Dolby Volume can become inoperable if a Dirac project is loaded into the unit

19021: Switch MCH input with Dirac EQ to an input with Stereo Direct there is a brief jump in level.

19022 – Dirac speaker delays changing after power cycle on OSD

19016 - Audio direct mode IR commands not working

19013 - SR250 set zone2 to on, after several power cycles (around 4-5) it reverts to standby

18997 - In US Arcam build "Analogue Stereo" mode should be "Analog Stereo"

Note: Updating to this version will clear your Dirac setup – but it is ok to reload a project done with v3.69/7887.

Host Version 3.69

IAP 1.07

DSP 0.69

OSD 0.20

NET 2.6.19.60208-14

Fix list:

18970 – Request Audio Stream RS232 command returned incorrect value for Dolby Atmos

18940 – Height Crossover can now be applied to ceiling speakers as well as Dolby enabled speakers

18823 – PCM > Dolby with Dirac on gives brief level jump

18816 – Allow input trim for FM & DAB inputs to help level matching with different station volume levels.

18819 – Make SR250 speaker defaults large L/R, no sub

18840 – Allow editing of level/distance values when Dirac is applied

18901 – Dirac can be applied in Stereo Direct from the setup menu

ARCAM

AV860/AVR850/AVR550/AVR390/SR250 Software Release Notes

Host Version 3.63

IAP 1.07

DSP 0.69

OSD 0.20

NET 2.6.19.60208-14

Fix list:

18768 – line feed (incorrectly added) at the end of RS232 message locks up RS232 comms if sent twice

18776 – If playing Spotify, when you alter the volume the full OSD appears

18724 – info line on VFD does not return to default (elapsed time) on track change when streaming

18736 – mode on/off discrepancies when language changed

18722 – 0.5dB "tweak" to stereo direct to completely match analogue levels

18735 – stereo mode text incorrect in French language