

## AXS Software Release Notes Summary for releases numbered 2.##:

### AXS Release 02.32 - Notes: 2019-9-08

#### Files (updated):

[axsb0119a.bin](#)  
[axs01029a.img](#)  
0373\_fpga\_01\_13.jed  
0354\_boot\_09\_19.mcs  
0354\_app\_05\_40a.elf  
0357\_boot\_09\_07.mcs  
0357\_app\_05\_41b.elf  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_43a.elf  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_08c.bin

#### NOTES:

##### 0371 Boot

- Code cleanup, improved performance

##### 0371 App

- OS code cleanup, now boots 20 seconds faster

### AXS Release 02.31 - Notes: 2019-7-28

#### Files (updated):

[axsb0118e.bin](#)  
[axs01028e.img](#)  
0373\_fpga\_01\_13.jed  
0354\_boot\_09\_19.mcs  
0354\_app\_05\_40a.elf  
0357\_boot\_09\_07.mcs  
0357\_app\_05\_41b.elf  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_43a.elf  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_08c.bin

#### NOTES:

##### 0371 Boot

- Now shows bootloader version letter and USB-MIDI version when booting
- Improvements to USB communication buffer

##### 0371 App

- DAW communication improvements, fader response and track display info
- The ACM now shows "USB Connected", "USB Disconnected", and "USB Write Error" messages

### AXS Release 02.30 - Notes: 2019-7-14

#### Files (updated):

[axsb0118a.bin](#)  
[axs01028c.img](#)

0373\_fpga\_01\_13.jed  
0354\_boot\_09\_19.mcs  
0354\_app\_05\_40a.elf  
0357\_boot\_09\_07.mcs  
0357\_app\_05\_41b.elf  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_43a.elf  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_08c.bin

NOTES:

0371 Boot

- Improvements to USB communication buffer

**AXS Release 02.29 - Notes: 2019-6-24**

Files (updated):

axsb0117b.bin  
[axs01028c.img](#)  
0373\_fpga\_01\_13.jed  
0354\_boot\_09\_19.mcs  
0354\_app\_05\_40a.elf  
0357\_boot\_09\_07.mcs  
0357\_app\_05\_41b.elf  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_43a.elf  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_08c.bin

NOTES:

0371 App

- Fixed problem with the last bank of faders not being available for assignment to a DAW bank

**AXS Release 02.28 - Notes: 2019-6-20**

Files (updated):

axsb0117b.bin  
axs01028b.img  
0373\_fpga\_01\_13.jed  
0354\_boot\_09\_19.mcs  
0354\_app\_05\_40a.elf  
0357\_boot\_09\_07.mcs  
0357\_app\_05\_41b.elf  
0368\_fpga\_06\_02a.mcs  
[0368\\_app\\_05\\_43a.elf](#)  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_08c.bin

NOTES:

0368 App

- Fixed issue with DAW mode ignoring large fader mute switch

**AXS Release 02.27 - Notes: 2019-6-18**

Files (updated):

axsb0117b.bin  
[axs01028b.img](#)  
0373\_fpga\_01\_13.jed  
0354\_boot\_09\_19.mcs  
0354\_app\_05\_40a.elf  
0357\_boot\_09\_07.mcs  
0357\_app\_05\_41b.elf  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_42a.elf  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_08c.bin

NOTES:

0371 App

- F2 key now swaps what shows on the upper and lower LCD
- Remove the solo groups button from the non-vision status page.

**AXS Release 02.26 - Notes: 2019-6-09**

Files (updated):

axsb0117b.bin  
[axs01028a.img](#)  
0373\_fpga\_01\_13.jed  
0354\_boot\_09\_19.mcs  
0354\_app\_05\_40a.elf  
[0357\\_boot\\_09\\_07.mcs](#)  
[0357\\_app\\_05\\_41b.elf](#)  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_42a.elf  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_08c.bin

NOTES:

0357 in-place updater

- This is a special .ELF program that will in-place upgrade a 950-0357 FCM's FPGA to the latest 9\_7 version.
- File name: 0357\_app\_upgrade\_01\_00a.elf

**AXS Release 02.25 - Notes: 2019-6-05**

Files (updated):

axsb0117b.bin  
[axs01028a.img](#)  
0373\_fpga\_01\_13.jed  
0354\_boot\_09\_19.mcs  
0354\_app\_05\_40a.elf  
0357\_boot\_08\_07.mcs  
[0357\\_app\\_05\\_41a.elf](#)  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_42a.elf  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_08c.bin

NOTES:

0371 App

- Support for sending .MCS files to FCMs for self-programming

0357 App

- Support for receiving and self-programming .MCS files.

**AXS Release 02.24 - Notes: 2019-5-28**

Files (updated):

axsb0117b.bin

[axs01027a.img](#)

0373\_fpga\_01\_13.jed

0354\_boot\_09\_19.mcs

0354\_app\_05\_40a.elf

0357\_boot\_08\_07.mcs

0357\_app\_05\_40a.elf

0368\_fpga\_06\_02a.mcs

0368\_app\_05\_42a.elf

0369\_boot\_00\_04d.hex

0369\_app\_00\_08c.bin

NOTES:

0371 App

- Minor tweaks to support use in Vision console
- Time/Date Dialog and real time clock chip support.
  - Allows for setting the time manually
  - Allows activation of internet time sync
  - Allows for immediate time sync

**AXS Release 02.23 - Notes: 2019-5-08**

Files (updated):

axsb0117b.bin

[axs01026c.img](#)

0373\_fpga\_01\_13.jed

0354\_boot\_09\_19.mcs

0354\_app\_05\_40a.elf

0357\_boot\_08\_07.mcs

0357\_app\_05\_40a.elf

0368\_fpga\_06\_02a.mcs

0368\_app\_05\_42a.elf

0369\_boot\_00\_04d.hex

0369\_app\_00\_08c.bin

NOTES:

Minor tweaks to support use in Vision console

**AXS Release 02.22 - Notes: 2019-5-01**

Files (updated):

axsb0117b.bin

[axs01026b.img](#)

0373\_fpga\_01\_13.jed  
0354\_boot\_09\_19.mcs  
0354\_app\_05\_40a.elf  
0357\_boot\_08\_07.mcs  
0357\_app\_05\_40a.elf  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_42a.elf  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_08c.bin

NOTES:

0371 App

- Added a +10dB Protocols fader curve to the DAW control settings

**AXS Release 02.21 - Notes: 2019-4-25**

Files (updated):

axsb0117b.bin  
[axs01026.img](#)  
0373\_fpga\_01\_13.jed  
[0354\\_boot\\_09\\_19.mcs](#)  
[0354\\_app\\_05\\_40a.elf](#)  
0357\_boot\_08\_07.mcs  
[0357\\_app\\_05\\_40a.elf](#)  
0368\_fpga\_06\_02a.mcs  
[0368\\_app\\_05\\_42a.elf](#)  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_08c.bin

Update to support Vision FCM with new ACM-FCM protocol. Other FCMs updated to keep in sync.

**AXS Release 02.20 - Notes: 2019-4-11**

Files (updated):

[axsb0117b.bin](#)  
axs01025.img  
0373\_fpga\_01\_13.jed  
0357\_boot\_08\_07.mcs  
0357\_app\_05\_39a.elf  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_41b.elf  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_08c.bin

NOTES:

0371 Boot

- Fixes bug with ACM MAC address which affected network port connectivity

**AXS Release 02.19 - Notes: 2019-2-05**

Files (updated):

axsb0116a.bin  
axs01025.img

0373\_fpga\_01\_13.jed  
0357\_boot\_08\_07.mcs  
0357\_app\_05\_39a.elf  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_41b.elf  
0369\_boot\_00\_04d.hex  
[0369\\_app\\_00\\_08c.bin](#)

NOTES:

0369 App

- Improvements to fader calibration how it applies to stiction and drive current.

**AXS Release 02.18 - Notes: 2018-12-09**

Files (updated):

axsb0116a.bin  
[axs01025.img](#)  
0373\_fpga\_01\_13.jed  
0357\_boot\_08\_07.mcs  
0357\_app\_05\_39a.elf  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_41b.elf  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_08b.bin

NOTES:

- HUI Transport and command buttons added to DAW page
- Improvements to DAW fader behavior.
- Altered the Pro Tools fader curve to match Pro Tools version 12.

**AXS Release 02.17 - Notes: 2018-11-29**

Files (updated):

axsb0116a.bin  
axs01024.img  
0373\_fpga\_01\_13.jed  
0357\_boot\_08\_07.mcs  
0357\_app\_05\_39a.elf  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_41b.elf  
0369\_boot\_00\_04d.hex  
[0369\\_app\\_00\\_08b.bin](#)

NOTES:

- Fix a bug with the zero dB offset feature that was causing faders to sometimes report wrong values

**AXS Release 02.16 - Notes: 2018-11-25**

Files (updated):

[axsb0116a.bin](#)  
[axs01024.img](#)  
0373\_fpga\_01\_13.jed  
[0357\\_boot\\_08\\_07.mcs](#)

[0357\\_app\\_05\\_39a.elf](#)  
[0368\\_fpga\\_06\\_02a.mcs](#)  
[0368\\_app\\_05\\_41b.elf](#)  
[0369\\_boot\\_00\\_04d.hex](#)  
[0369\\_app\\_00\\_08a.bin](#)

NOTES:

- Restoring compatibility with REV-0/A and REV B ACMs
- Many cleanups and optimizations to both REV-0/A and REV-B

**AXS Release 02.15 - Notes: 2018-10-28**

Files (updated):

[axsb0114b.bin](#)  
[axs01023a.img](#)  
[0373\\_fpga\\_01\\_13.jed](#)  
[0368\\_fpga\\_06\\_02a.mcs](#)  
[0368\\_app\\_05\\_41a.elf](#)  
[0369\\_boot\\_00\\_04d.hex](#)  
[0369\\_app\\_00\\_08a.bin](#)

NOTES:

- Resolved the problem with flickering submodes that was present in the 1.13b bootloader.

**AXS Release 02.14 - 10/21/2018**

Files (updated):

[axsb0111b.bin](#)  
[axs01023a.img](#)  
[0373\\_fpga\\_01\\_13.jed](#)  
[0368\\_fpga\\_06\\_02a.mcs](#)  
[0368\\_app\\_05\\_41a.elf](#)  
[0369\\_boot\\_00\\_04d.hex](#)  
[0369\\_app\\_00\\_08a.bin](#)

NOTES:

- This was reverted to 1.11b for this release, due to problems with 1.13b
- New protected "Factory Mode" allows access to sensitive configuration items
- Fader 0dB offset feature
- New Fader configuration dialog
- Fixed the problem with MTC always showing in the TC window on boot, even if LTC was configured.
- Support for fader app programming from the ACM.
- Calibration data has changed, and faders will need to be recalibrated.

**AXS Release 02.13 - Notes: 2018-10-09**

Files (updated):

[axsb0113b.bin](#)  
[axs01022c.img](#)  
[0373\\_fpga\\_01\\_13.jed](#)  
[0368\\_fpga\\_06\\_02a.mcs](#)

0368\_app\_05\_40c.elf  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_07j.bin

NOTES:

- WARNING: 0371-Boot 1.13b should not be used.
- 0373 firmware now auto updates if the 0373 has old or no firmware installed

**AXS Release 02.12 - Notes: 2018-10-03**

Files (updated):

axsb0111b.bin  
[axs01022c.img](#)  
0373\_fpga\_01\_13.jed  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_40c.elf  
0369\_boot\_00\_04d.hex  
0369\_app\_00\_07j.bin

NOTES:

- Fixed problem with faders jumping when exiting follow-me
- Fixed problem where changing the MIDI source did not take effect right away.

**AXS Release 02.11 - Notes: 2018-10-03**

Files (updated):

axsb0111b.bin  
[axs01022b.img](#)  
0373\_fpga\_01\_13.jed  
0368\_fpga\_06\_02a.mcs  
0368\_app\_05\_40c.elf  
0369\_boot\_00\_04d.hex  
[0369\\_app\\_00\\_07j.bin](#)

NOTES:

- Remove the option to create VCA-Style groups
- Corrected 1608-II and 2448 top of the fader to be +10dB

**AXS Release 02.10 - Notes: 2018-09-30**

Files (updated):

[axsb0111b.bin](#)  
axs01022a.img  
[0373\\_fpga\\_01\\_13.jed](#)  
0368\_fpga\_06\_02a.mcs  
[0368\\_app\\_05\\_40c.elf](#)  
[0369\\_boot\\_00\\_04d.hex](#)  
[0369\\_app\\_00\\_07i.bin](#)

NOTES:

- Fetch and report 950-0373 FPGA version.
- Increase the wait time for faders to come online at boot.



- Fix blink synchronization

#### **AXS Release 02.09 - Notes: 2018-09-26**

##### Files (updated):

axsb0110g.bin  
axs01022a.img  
0373\_fpga\_01\_11.jed  
0368\_fpga\_06\_02a.mcs  
[0368\\_app\\_05\\_40b.elf](#)  
0369\_boot\_00\_04a.hex  
[0369\\_app\\_00\\_07e.bin](#)

##### NOTES:

- Bug fix to timeout mechanism that ensures that fader data is sent a regular intervals

#### **AXS Release 02.08 - Notes: 2018-09-25**

##### Files (updated):

axsb0110g.bin  
[axs01022a.img](#)  
[0373\\_fpga\\_01\\_11.jed](#)  
0368\_fpga\_06\_02a.mcs  
[0368\\_app\\_05\\_40a.elf](#)  
0369\_boot\_00\_04a.hex  
[0369\\_app\\_00\\_07d.bin](#)

##### NOTES:

- 950-0373 Now able to report its firmware version.
- Fixed bug with center section channels showing up at the wrong position in the channel grid.
- Fixed bug with modes not always showing on center section channels.
- "Snapshot Take" dialog now only shows controls that are present on the configured console type.
- Now allowing multi-select for the snapshot list.
- "Project Open" dialog: now auto-populating the project file name.
- Fixed bug with the switch overwrite LED not turning off when the switch overwrite switch/LED is being used as a group master mute.

#### **AXS Release 02.07 - Notes: 2018-09-10**

##### Files (updated):

axsb0110g.bin  
[axs01021f.img](#)  
0373\_fpga\_01\_09.jed  
0357\_boot\_08\_06.mcs  
[0357\\_fpga\\_05\\_38b.elf](#)  
0368\_fpga\_05\_01a.mcs  
[0368\\_app\\_05\\_39d.elf](#)  
0369\_boot\_00\_04a.hex  
[0369\\_app\\_00\\_07b.bin](#)

##### NOTES:

- New multi-select feature for list boxes
- Mix-Delete now supports deleting multiple mix files.
- fixed bug with text overflowing columns in list boxes
- Improved touch threshold calibration
- Fader blink synchronization fixed.

#### **AXS Release 02.06 - Notes: 2018-09-05**

##### Files (updated):

axsb0110g.bin  
axs01021d.img  
0373\_fpga\_01\_09.jed  
0357\_boot\_08\_06.mcs  
0357\_fpga\_05\_38a.elf  
0368\_fpga\_05\_01a.mcs  
0368\_app\_05\_39b.elf  
[0369\\_boot\\_00\\_04a.hex](#)  
[0369\\_app\\_00\\_07b.bin](#)

##### NOTES:

- This version of the boot loader is not compatible with earlier versions of the app.
- The switch overwrite LED now blinks red during programming mode if the application image failed the integrity test. It blinks green if the application is good, and you have intentionally entered programming mode.

#### **AXS Release 02.05 - Notes: 2018-08-27**

##### Files (updated):

axsb0110g.bin  
axs01021d.img  
0373\_fpga\_01\_09.jed  
0357\_boot\_08\_06.mcs  
0357\_fpga\_05\_38a.elf  
0368\_fpga\_05\_01a.mcs  
0368\_app\_05\_39b.elf  
0369\_boot\_00\_03d.hex  
0369\_app\_00\_06e.bin

##### NOTES:

- First preserved release that has support for 950-0368 and 950-0369