

# Avantage Release Notes

Fixed Version	Jira Item ID	Release Notes
<b>5.9926</b>		
	AV-1092	T267 X-Ray firmware upgrade now asks for the user to close Avantage and run server stopper post upgrade
<b>5.9925</b>		
	AV-941	Valve v18 on Escalab won't be opened if not pressurized.
	AV-1477	T267 X-Ray firmware upgrade now asks for the user to close Avantage and run server stopper post upgrade
	AV-1460	Updated SetupAvantageUserIDs with new batch files.
	AV-1455	Changed creation of user names and groups to batch script. Requirement for change of the password after factory installation and uninstallation.
	AV-1413	Updated FG07 degas sequence to reach filament current higher than 10 uA
	AV-1299	During Escalab long gun fast all autoseup routine the system will not be stuck in the loop.
<b>5.9924</b>		
	AV-1412	Fix to stop ion gun target values changing when auto setup fails
<b>5.9923</b>		
	AV-611	Degassing of both Ion Guns filaments are executed by shutdown button.
	AV-1321	Spectrometer routine automatically selects Faraday cup mode in Ion Gun.
	AV-1024	Default export directory changed to My Documents.
<b>5.9922</b>		
	AV-731	Crashing Avantage by closing loading data in Split Multilevel fixed.
	AV-605	Ar inlet checkbox is now checked correctly when required
	AV-1295	Update for new Baldor firmware in the installation.
	AV-1292	Sample bias default value for UPS experiment is Off.
	AV-1242	UV lamp will abort ramping, when error occurs.
	AV-1240	Fixes issue in which parameters for the Ion gun were not updated for consecutive ion etch steps in an experiment sequence.
	AV-1239	Fix to release note generator
	AV-1226	Reporting to Excel sometimes failing when reporting multiple spectra - fixed
	AV-1220	Error code 24 no longer appears when opening Avantage
	AV-1173	Fixed Release notes generation.
	AV-1159	Nexsa Flood gun ramp up fixed for low emission currents
	AV-1157	Changed default values for flood gun
	AV-1156	Bad registry inputs for ISS EX06 corrected
	AV-1133	Nexsa T266 Flood Gun Extractor default value set to 40V for charge comp modes

**5.9921**

AV-1120 T265 FPGA V0x23 released to fix random errors when reading back current state of DAC registers. Bricks would go yellow and show not all 0's in the error column in spectrometer toolkit (except DB brick which is backed off to save channel plates when not acquiring data, this is normal)

**5.9920**

AV-920 Fixes to make USB comms to T267 XRay board via T274 optical link more robust. Allow it to handle USB cable being disconnected and reconnected while Avantage is running

AV-1101 Fix for T250 FPGA download failing

AV-1038 New version of the T267 serial comms to avoid possible corruption of the T267 FPGA in FX3 firmware Version 2.2 MXR7/T267 firmware will need to be upgraded to V2.2 for the new protocol to be used. The software is backwardly compatible with the old protocol, but firmware MUST be upgraded to get new protocol.

AV-1036 AV-1036 Removal of unused Search controls in XPS Knowledge Viewer

AV-1019 New version of the T267 serial comms to avoid possible corruption of the T267 FPGA in FX3 firmware Version 2.2 MXR7/T267 firmware will need to be upgraded to V2.2 for the new protocol to be used. The software is backwardly compatible with the old protocol, but firmware MUST be upgraded to get new protocol.

**5.9919**

AV-993 Fix for Reporting to Word and Excel buttons not being enabled when using newer versions of MS Office 2019 and Office 365 due to changes in way Microsoft installs Office.

**5.9918**

AV-954 Fix for Processing Toolbars not able to be configured. NOTE when upgrading Avantage from some earlier versions, the processing tool bars may appear to be disabled. Please close and restart Avantage. The toolbars should then operate normally and the icons can be configured.

AV-945 Fix for issue with peak fitting constraints and peak naming if using more than 26 peaks e.g. peak named AA.

**5.9917**

AV-896 Fix for slow response when using the MultiPoint experiment object

AV-856 Ion gun Details did not set the expected mode if mode or parameters were changed before running up the gun. The behaviour of the dialog has been changed so the controls for other parameters are disabled if the gun is not running.

AV-849 Escalab Xi+ Lens Mode for Brick Test - changed name to "Brick Calibration" and all LM value set to 0 to avoid possible damage to T239 Mag Lens PSU. This Lens mode now should only appear in Spectrometer Toolkit and Detector Toolkit

AV-797 Updated power settings needed for HP PCs. Avantage power settings need Hard Disk turn off time as 0 on HP PCs

AV-767 MXR7 - Engineer editing of Condenser voltage now immediately updates in registry, so values are always stored and applied when gun spot size is next used.

AV-718 Fix for possible sample charging due to incorrect setting of sample ground / bias / floating on K-Alpha with EX06 (T241 power supply)