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Radcal Corporation, Monrovia, CA (626)357-7921
Software Version 2.82Build 2 for use with Nugget firmware version 1.20 and up
For use with Radcal Accu-Gold series digitizers, the Accu-Gold Nugget and the Accu-Gold Touch
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Notes: (Change list follows on page 2)

Nugget - If you haven't done so already, please update the Nugget firmware as indicated above.
Accu-Gold version 2 is required for Nugget operation.

Before using the Nugget, read the Accu-Gold Manual, Appendix C - Nugget. The manual is accessible by choosing Help from the Accu-Gold 2 software. It can also be accessed from this USB Flash Drive in the Setup Content folder. The Nugget is delivered fully charged.

The Nugget can be used with non-plus legacy AGMS sensors. However, the calibration info has to be copied to the Nugget. We have copied any AGMS calibrations to your Nugget based on our information. If a different sensor is being used, please contact Customer Support and they will help you.

Both the version 1 and version 2 Accu-Gold software can exist on your computer. But only one can be used at a time to make measurements. See manual for more details.

AG2 Installation Notes:

1. **Install Accu-Gold software prior to connecting the Digitizer Module.**
   Uninstalling old versions is not necessary.

3. Administrator privileges are required for installation.

Installation Procedure:

1. To begin Accu-Gold2 software installation, launch the file "Accu-Gold_Setup" located in the root of the flash drive.

2. The "Accu-Gold_Setup" file will launch an installation dialog. You must agree to the *License terms and conditions* to continue. Click **Install**. The dotNET Framework Client version 4.0 or greater is required and will be installed if it is not already installed on your computer. An internet connection is not required.

6. Click "Close" to exit the installation process.

Uninstall Procedure:

1. To uninstall Radcal Accu-Gold go to Add/Remove Programs in Control Panel and select "Accu-Gold 2". Then click on Uninstall and answer Yes to the prompts. You may also run the setup program again to uninstall it.

Accu-Gold Excel is also included on the flash drive but cannot be used with the Nugget. Refer to the Accu-Gold Excel readme file for installation.

Please feel free to comment on this software and report any bugs that you may find. Please save session files since they would be most useful. A license/calibration file is required for the AGMS multi-sensor. Please contact customer support if you do not have one for your multi-sensor. The AGMS+ multi-sensors have built in calibration.

For more in-depth information or troubleshooting,
Contact: Customer Support -
(626) 357-7921 x123
Cust_Sup@radcal.com

Ver	AG2 changes --------	RelDate
	Changes	
2.82.1	Bug Fix. AGMS dose rate limit could be exceeded without warning	23-Aug-23
2.81.1	Fixed: Average Pulse Duration is not populated	2-Mar-23
2.80.2	Fixed - calibration factor not applied to post-exposure dose rate, and to post-exposure end dose rate	23-Jun-22
2.79.1	Fixed scaling issues with legacy AGDM	15-Mar-22
	Fixed header alignment when copying to clipboard	
	Fixed export for AccuGold-Profile (removed extra columns)	
	Changed scaling for mA/mAs to 4 significant digits	
2.78.1	Fix: Result for Legacy AGDM are off by a factor of 1000	7-Mar-22
2.77.1	Fixed Filtration scaling in Nordic export format	11-Feb-22
	Fixed some issues regarding Free Run Mode	
	Fixed AGMS scaling factor	
	Improved activation	
	Updated spanish translation	
	Include measurement index when exporting measurements to Excel	
	Fixed display of air pressure	
	Updated Accu-Gold format template - added 'end' values on end.	
	Updated AgHost to version 2.01.2947	
	Improved raw data recording efficiency	
2.75.2	Fixed a crash in the activation dialog	1-Jun-21
	No kV and filtration are displayed anymore if either kV or filtration or both are out of range	
	When exporting to protected Excel sheet, added message	
	Updated realtime update interval for low and free trigger levels	
	Fixed miscellaneous bugs	
	Cleaned up sensor overview	
	Updated FTDI driver to latest version	
	Added Lithuanian as language option	
	Default Excel template will open when entering Companion Mode	
	'End' Results for specific result types for AGMS, IC and DAPCheck+ can be selected	
	Auto download wave for WiFi	
2.72.3	Updated AgHost DLL to version D201-2634 which fixes legacy sensor problem	10-May-21
2.72	Fixed formatting of filtration result in the list view. Filtration is now fixed formatted to mm with 4 significant digits.	13-Nov-20
	Updated AgHost DLL to version D201-2485	
	Added W-Ti calibration	
2.71	The trigger settings have been adjusted so that only for AGMS and DD in level high the zeroing is suppressed from the second measurement. For all other sensors zeroing is done after each measurement.	16-Oct-20
	Updated maximum measurement duration to 2.4 days	
	Revert changes of Light sensor trigger settings due to unwanted behavior	
	Updated trigger setting accordingly	
	Added Titanium calibration	
V2.68	Fixed an bug where measurements were exported to Excel with the wrong decimal seprator	17-Jul-20
	Calculate and display DLP result	
	Fixed an bug where the duration was calculated incorrectly in Dental Mode.	
	Fixed an error where the application often crashed when switching between connection types or when trying to activate Companion Mode	
V2.67	Update to AgHost V2317	18-May-20
	Zero is initialized only on first measurement. Every 5 minutes a rezero is forced.	
	Added support for DAP chambers (10X6-60DAP, DAPCHKP+)	
	Removed IC negative readings warning	
	Fixed formatting of End Delay Seconds in the sensor's information tab	
	Fixed missing FWHM duration result when measuring with Nugget or importing AGT session file	
	Fixed update rate for Light sensor	
	Fixed a bug that sometimes caused program crashes when trying to read the file containing information about trial usage (e.g. registration status, remaining measurements, ...)	

	Fixed the incorrect calculation of rate results for all sensors. Pulse Count and Pulse Frequency corrected. For all sensors, the pulse count from the real-time results is displayed instead of the post-processing results Fixed an issue with the update check mechanism The language can be changed to German Trigger threshold for AGLS was updated Added Pulses Rate selection - under Digitizer as P.Frequency Bug fixes	
V2.55	[AG-2610] - Fix: Negative readings stopped the display of the measurement [AG-2595] - 'Min' delay (typically 0.2sec) replaces smallest end delay [AG-2606] -Fixed the issues related to compatibility with Excel installed from Windows store. [AG-2597] - Changed Nugget download to be automatic. Added setting to stop it. Minor bug fixes	11-Jun-19
2.52	[AG-2583] - Fix: When filtration is too high kV & HVL need to be suppressed [AG-2578] - Let user know that user trigger settings are in place [AG-2581] - Support importing AGT comments [AG-2571] - Load trigger settings configuration file [AG-2572] - Apply custom trigger settings [AG-2561] - Show HVL result only if kV value is OK [AG-2562] - Update download link to new download page in about screen [AG-2567] - Update agHost to D201-1837	29-Mar-19
2.49	[AG-2439] - Free run rezeroes every 300s - implement eternal mode [AG-2389] - Enable Dental Mode setting for Klondike (without Wave markers) [AG-2546] - Enable endless measuring mode for triggered measurement [AG-2548] - When a measurement lasts longer than 300s show hint above matrix "Extra Long Mode" [AG-2550] - Update AgHost to version D201-1751	8-Nov-18
2.47	Fix crashes when very large sessions are loaded [AG-2525] - Large session file loading is broken due to outdated MMF The bug regarding the large session files was already fixed in version 2.42, but was introduced again in one of the following versions. This release contains the bugfix again. Nothing else has changed in this version.	4-Sep-18
2.46	New Features Summary Open and import Accu-Gold Touch sessions with the .agx file format Display kV results even when filtration is out of range	16-Aug-18
2.43	New Features Summary Updated trigger thresholds Implemented Dose Only Mode Support for Nugget light sensor Changes: [AG-2412] - Dose Only Mode: Update agHost to D201-1557 [AG-2413] - Dose Only Mode: When dose only mode is active, make sure results are shown correctly [AG-2414] - Dose Only Mode: Show hint for dose only mode in UI [AG-2415] - Dose Only Mode: Show hint for dose only mode via Nugget [AG-2416] - Dose Only Mode: Update trigger thresholds [AG-2428] - WiFi connect: Include search for Nugget and Touch	19-Jun-18
2.42	AG 2.42 Build 1 (Large Sessions Fix) Remarks: This is an internal maintenance release with minor changes and bugfixes. Changes: [AG-2383] - Fix: When prepulse detection is enabled, the wave shows the download button, even though it is a USB measurement Large Session Fix [AG-2401] This release includes a fix for loading big session files. Previous AG 2 releases where not able to load very large sessions like AG 1. However loading very large sessions (bigger than 60MB filesize) with very long measurements (multiple minutes wave time) can take up to minutes.	28-Mar-18
2.41	[AG-2329] - Support Nugget's Ma sensor results [AG-2330] - Support Ma as trigger sensor with Nugget	6-Oct-17

	[AG-2339] - Add profile for single Ma sensor measurements [AG-2335] - Adapt AG 2 window size for tablets with 1024x600	
2.40	AG2 V2.40 Build 2 changes: [AG-2274] - Fix: I cannot save during use [AG-2276] - Fix: Crash because of identical licenses [AG-2239] - Update calibration menu [AG-2277] - Fix: AG crashes when using many licenses and clicking on "About/Download AG from radcal" [AG-2302] - Fix: Cannot measure with USB Updated Calibrations Menu display method	10-Jul-17
2.39	Updated to latest AG2 software: AG2 changes: [AG-2053] - Fix: Wave download disabled when it shouldn't be [AG-2235] - Fix: AG doesn't realize that a wave has been downloaded successfully [AG-2254] - Fix: Measurement Error after Mammo exposures (2.39 Build 2) [AG-2255] - Fix: Diagnostic exposures are missing kVp results (2.39 Build 2) [AG-2256] - Fix: Switching into list view freezes AG (2.39 Build 2) [AG-2257] - Fix: Mammo calibrations aren't listed in companion mode (2.39 Build 2) [AG-2258] - Fix: AG 2.38 B4 can't start measuring, if new corrections are installed (2.39 Build 2) [AG-2158] - Sort for group labels in display (USB) [AG-2161] - Corrections may mask the base calibration when matching it without having a label appendix [AG-2162] - Base dose correction on HVL [AG-2163] - Make sure that correction is applied to all kV, dose, HVL and all derived results, waves, etc. [AG-2169] - Remove support for "Dose Only" mode corrections [AG-2190] - "GE" Calibrations of AGMS+ sensors get group name instead of label [AG-2248] - Extend IC stabilization time from 30s to 60s (USB) Change List View Profile labeling to minimize confusion	27-Jun-17
2.38	ADDED LINE-BY-LINE EXPORT PLUS MINOR UPDATES; ADDED PRISTINA COPPER CALIBRATIONS	26-May-17
2.37	Update trigger levels to be consistent with AGExcel method [AG-1742] - Fix: Daughter measurement's of nugget wave isn't displayed correctly [AG-1903] - Fix: Unit in excel export header row scales but value is fix scale (milli) [AG-1843] - Export: Rescale the dose waves from Gy to mGy [AG-1844] - Export: Use filtered wave for wave export [AG-1845] - Export: Export only main wave of extracted measurements [AG-1849] - Export: Add more header information about the exported wave [AG-1883] - Add wave export button to measure view [AG-1894] - Add companion mode control bar [AG-1896] - Drag & Drop selection from list to Excel [AG-1933] - Companion Mode should not adjust size when minimizing Excel [AG-1940] - Fix: Session Export to Excel fails due to a cast exception [AG-1944] - Fix: As a user I can enter and leave the companion mode. [AG-1947] - Fix: As a user I want to organize measurements in sessions. [AG-1948] - Fix: Start Screen is cut off in companion mode [AG-1950] - Fix: Crash in undo delete on already deleted measurements [AG-1957] - Fix: Freeze during column editing in list view [AG-1958] - Fix: Light sensor data can't be copied or drag&dropped [AG-1969] - Corrections should just show their assigned title, not prefixed by the anode / filter setting [AG-1984] - Fix: Additional matrix window in AG 2 doesn't behave like in AG 1 [AG-1985] - Fix: Crash in wave view when pressing ALT key [AG-1988] - Fix: Profile switching doesn't work on sessions from AG 1 (Melodie) [AG-1975] - Companion mode grid has always the same column setup as list view grid [AG-1981] - Select column presets in column editor	13-Feb-17

	[AG-1992] - Hide button descriptions in companion mode for narrow window size [AG-1995] - Column editor grouping for available columns [AG-2000] - Column editor group sorting [AG-1989] - Fix: Crash on double click on list view entry [AG-1997] - Copy complete comment when nothing is selected [AG-1998] - Added favored columns in column editor Updated some outdated screenshots Updated profile section for measure view Added column editor and profile menu for list view Format and layout fixes	
2.36	[AG-1850] - Download nugget full res waves in companion mode / matrix view [AG-1871] - Fix: Crash when entering companion mode from full screen	23-Dec-16
2.35	Added Optima Calibration	27-Jan-17
2.34	This release fixes the crash after installation bug and is the follow up release of the public release AG 2.34 build 2. In addition, some minor changes and improvements.	29-Jul-16