

# RELEASE NOTES

for

## KINDER SCIENTIFIC MOTORMONITOR™ SOFTWARE

Build #	Date of Build	Description
01291-19	October 18, 1999	New Feature: Allows auxiliary COM port feature use in storing/reducing files. Bug Fixes: <ul style="list-style-type: none"><li>• Fixed loss of data from Open Field station 7 and 8 only. Does not affect Home Cage or Elevated Plus Maze Systems.</li><li>• Fixed Total Beam Breaks on run display error, data not affected.</li></ul>
02168-08	June 16, 2000	Bug Fixes: <ul style="list-style-type: none"><li>• Fixed issue where animal information was not displayed on runtime screen.</li><li>• Fixed issue of Ambulations not being properly counted when both (X and Y) anchors are not set.</li></ul>
02208-08	July 26, 2000	Bug Fixes: <ul style="list-style-type: none"><li>• Fixed issue where Session Time was reported incorrectly on Reduced data report.</li></ul>
04261-10	September 17, 2002	New Feature: Playback feature added. Bug Fixes: <ul style="list-style-type: none"><li>• Allows add-ins to be added.</li><li>• Fixed Audit trail so that it now allows a reason to be given for E-signing.</li><li>• Fixed "Apply" button on Audit fixed to operate correctly.</li></ul>
05126_18	May 6, 2003	Bug Fixes: <ul style="list-style-type: none"><li>• Fixed issue with Fine Movements counts being less than expected.</li></ul>
05266-10	September 23, 2003	Bug Fixes: <ul style="list-style-type: none"><li>• Fixed issue with Fine Motor Count error.</li><li>• Corrected display error.</li><li>• Fixed Zone Map properties data error.</li></ul>
06025-12	January 25, 2004	Bug Fixes: <ul style="list-style-type: none"><li>• Fixed issue with not applying configuration change and instead forcing an exit from the software.</li></ul>
06149-14	May 28, 2004	New Feature: Added Event Time. Bug Fixes: <ul style="list-style-type: none"><li>• Fixed issue of hanging-up when Windows NT OS is used.</li><li>• Fixed issue that sometimes only 1 frame starts regardless of number used.</li><li>• Fixed issue with three password failure causing a software hang-up.</li><li>• Fixed issue where if very large data collected, sometimes a buffer overrun error occurred resulting in a Run Fault Error.</li></ul>
07107-14	April 17, 2005	New Feature: Added Mobility Measure for use with Forced Swim stations.

07130-12	May 10, 2005	<p>New Feature:</p> <ul style="list-style-type: none"> <li>Added compatibility to PC104 single board computer in Behavioral System Core (BSC).</li> <li>Added filter to Mobility Measure.</li> </ul> <p>Bug Fixes:</p> <ul style="list-style-type: none"> <li>Repaired Playback bug.</li> </ul>
08040-10	February 9, 2006	<p>New Feature:</p> <ul style="list-style-type: none"> <li>MSI (Microsoft installation file) type installation.</li> <li>Option to select GLP installation within software setup file.</li> </ul> <p>Bug Fixes:</p> <ul style="list-style-type: none"> <li>Changed main software window to read Kinder Scientific instead of Hamilton-Kinder.</li> </ul>
08047_20	February 16, 2006	<p>New Feature: Added "Parameters" choice.</p> <p>Bug Fixes:</p> <ul style="list-style-type: none"> <li>Fixed scan rate problem due to new 386 CPU based BCSs that caused the scan rate to be 48.9 msec instead of the desired 50.0 msec.</li> <li>Fixed issue with Enhanced Scripts where the Noise function is generated instead of the Light function after the Open Gate beam is broken the second time.</li> <li>Fixed issue with Enhanced Scripts where the BrWaitCondition that controls the branching function when the Open Gate beam is broken wasn't branching.</li> </ul>
08179_17	June 27, 2006	<p>New Features:</p> <ul style="list-style-type: none"> <li>Added Enhanced Scripts.</li> <li>Added capability of enabling auto-Reduce function.</li> <li>Added ability to import animal ID information.</li> </ul> <p>Bug Fixes:</p> <ul style="list-style-type: none"> <li>Fixed issue where, upon completion of session run a fault warning: "Run Fault: Check Serial Numbers" issued intermittently.</li> <li>Fixed issue where if manual diagnostics was run but not closed prior to starting a session and then a session was started, the diagnostics countdown completed and the wait screen appeared but immediately produced a "Unrecoverable Transmission Error to Data Concentrator" error message.</li> <li>Fixed issue where data was not able to be collected on all frames depending on the System configuration.</li> </ul>
08356-14	December 21, 2006	<p>Bug Fixes:</p> <ul style="list-style-type: none"> <li>Fixed issue where when MotorMonitor GLP software prior to build 08047-20 was installed and then build non-GLP build 08047-20 or higher was installed, the software would not allow the non-GLP version of the software to be installed.</li> <li>Fixed issue where, when a large number of frames were run with an Expansion Chassis, a fault warning: "Run Fault: Check Serial Numbers" issued intermittently.</li> <li>Fixed issue where when loading software on a computer running anti-virus software, the anti-virus software would open a window asking if this was a proper file to load. Upon answering "yes" and</li> </ul>

		<p>attempting to continue, the following message was produced by the anti-virus software: "This installation package could not be opened. Verify that the package exists and that you can access it, or contact the application vendor to verify that this is a valid Windows Installer package." But, reloading a second time allowed the software to be installed.</p> <ul style="list-style-type: none"> <li>Fixed issue where when reducing data involving a Zone Map, just before the reduction was completed a MotorMonitor MFC Application error message was produced and the MotorMonitor software crashed.</li> </ul>
09120_20	April 30, 2007	New Features: Added Split Enclosures capability.
11011_16	January 11, 2008	<p>Bug Fixes:</p> <ul style="list-style-type: none"> <li>Fixed intermittent issue on non-GLP MotorMonitor software where after running for 15 – 20 minutes, a "Unrecoverable Transmission Error to Data Concentrator" intermittently appeared.</li> <li>Fixed issue where when a session was aborted without closing the software and then the Control Chassis was restarted and a new session run, the following fault message occurred "Unrecoverable Transmission Error to Data Concentrator."</li> <li>Fixed issue where Software Reduction Parameter of Rest Time should have allowed only a maximum time of 99.9 seconds, but was possible to enter up to 120 seconds in the Reduce Data files screen of software. This resulted in an "extra" digit being generated in the parameters column of reduced data.</li> <li>Fixed intermittent issue where when creating a template on a computer running Windows XP, the entered information was not saved in template file when it was reopened.</li> </ul>
11112_22	April 22, 2008	<p>Bug Fixes:</p> <ul style="list-style-type: none"> <li>Fixed issue where when the MotorMonitor software default reduction parameter, auto-reduce to .csv after capture is selected, two identical .CSV files were created after the session is completed instead of one.</li> </ul>
11291_10	October 18, 2009	<p>Bug Fixes:</p> <ul style="list-style-type: none"> <li>Fixed issue only in build 08356-14 on a large system (32 frames) with the "Playback" option installed that when you playback data from Enclosures 2 through 32 (depending on configuration file and hardware installation), the software screen indicated the enclosure number was always "Enclosure 1."</li> <li>Fixed issue that when the following is selected, "File, New, Reduce, Next" and then under the "Reduced File(s) to this folder selection:", the browse icon is used to map a different (non-default) folder, the resulting .csv file was still sent to the default location.</li> <li>Fixed issue where running Enhanced Scripts in Standard, when a session script is being generated in the software, a 0.1 second delay had to be added between turning on different stimulus (e.g.,</li> </ul>

		light, sound, shock level or Auxiliary stimulus); otherwise, if multiple stimuli are turned on at the same time without a delay, some station stimuli may not function as programmed.
11298_19	October 25, 2011	Bug Fixes: <ul style="list-style-type: none"> <li>Fixed issue where when an incorrect password is entered to start a session, there was an additional copy of the session data added to the reduced file and additionally, the number of duplicate copies of data in the reduced file is equal to the number of times an incorrect password was entered.</li> </ul>
11307-19	November 3, 2011	Bug Fixes: <ul style="list-style-type: none"> <li>Fixed intermittent issue where when creating a template, entered information was not saved in template file when it was reopened.</li> </ul>
12004_09	January 4, 2012	Bug Fixes: <ul style="list-style-type: none"> <li>Fixed issue where a scripted session wouldn't run; stimulus outputs appeared normal in manual diagnostics, but did not provide for control of lights, sounds, or shock.</li> <li>Fixed issue where intermittent reduction error appeared when using the "Begin at Start of Session" feature in that Even or Odd station data was not included in the reduced data file.</li> </ul>
13108_15	April 18, 2013	New Feature: Auto-reduce feature added. Bug Fixes: <ul style="list-style-type: none"> <li>Changed the Icon from HK to KS.</li> </ul>
13128_10	May 8, 2013	New Feature: Added capability to add A, B and C animal information in Reduced data. Bug Fixes: <ul style="list-style-type: none"> <li>Shrank the display height of the enclosure display screen so it fits properly on a standard computer screen.</li> </ul>
14299_09	October 26, 2014	New Feature: Auto-reduce feature added.
15026_17	January 26, 2015	Bug Fixes: <ul style="list-style-type: none"> <li>Fixed installation bug that would not allow set-up changes if using Access Control.</li> </ul>
15251_16	September 8, 2015	Bug Fixes: <ul style="list-style-type: none"> <li>Fixed popup offset issue.</li> <li>Fixed AccessControl problem.</li> <li>Fixed issue with software running correctly on rat Elevated Plus Maze.</li> <li>Fixed issue running more than 16 stations.</li> </ul>
16224_11	August 11, 2016	Bug Fixes: <ul style="list-style-type: none"> <li>Fixed issue of software not working with ACM firmware F07174-1 causing, in manual diagnostics mode an intermittent &gt;Off failure.</li> <li>Fixed issue of beam breaks not being correctly counted in some circumstances.</li> </ul>
17127_08	07-May-2017	New Features: Added Advanced Scripting function.
17235_12	August 23, 2017	Bug Fixes: <ul style="list-style-type: none"> <li>Fixed problem of software not playing the Playback to completion.</li> </ul>

17240_09	August 28, 2017	<p>New Features:</p> <ul style="list-style-type: none"> <li>• The ability to remove data directly from the Behavioral Core System via a thumb drive.</li> <li>• The ability to reduce data from 2008 and before.</li> </ul> <p>Bug Fixes:</p> <ul style="list-style-type: none"> <li>• Aligned algorithm differences between earlier versions of software.</li> <li>• Fixed issue with Playback not playing to completion.</li> <li>• Fixed issue with modifying advanced scripting.</li> <li>• Fixed issue of when the data is reduced, all the interval start times have the same time stamp (i.e., they do not increase by the interval time).</li> </ul>
18282_11	Oct 9, 2018	<p>Bug Fixes:</p> <ul style="list-style-type: none"> <li>• Fixed issued of compatibility of not recognizing FTDI chip programming in BSC boards</li> </ul>
19026_17	January 26, 2019	<p>Bug Fixes:</p> <ul style="list-style-type: none"> <li>• Fixed the problem of showing more Fine Counts in the reduced data than there should be.</li> </ul>
20131_08	May 10, 2020	<p>Bug Fixes:</p> <ul style="list-style-type: none"> <li>• Fixed the timer issues when “Pre-Pause During” is paused.</li> </ul>