



HemoSphere Advanced Monitor Release Notes

The following is a list of known device implementation anomalies and troubleshooting steps associated with the listed software release version. The software version is listed on the Versions screen (Settings → Help → Versions). These issues are continually updated and compiled as a result of ongoing product improvements.

HemoSphere advanced monitor anomalies for software release version 2.01.000.012

Known anomaly	Cause	Suggested actions
The HemoSphere advanced monitor overwrites HRS zero status data on a re-connected pressure controller.	The monitor is holding HRS zero time data from previous pressure controller connection.	When switching pressure controller and HRS between HemoSphere advanced monitors, ensure that HRS zeroed timestamp is correct. If not, re-zero the HRS.
The monitor slows and/or freezes during normal user interaction	The cause for this anomaly is still under investigation.	Power cycle the monitor.
While double cuff monitoring (non-invasive mode), the "HemoSphere ClearSight module service required" notification erroneously appears.	This service notification can be triggered due to pump pressure spikes of more than 3.0 mmHg with very low or very high cuff pressures. This is according specification.	Ignore notification. If problem persists, contact Edwards technical support.
Internal system failure occurs after 24 hours of monitoring.	Unable to reproduce. The host module lost connection with the data bridge module and connection could not be re-established.	Power cycle the monitor.
After selecting Patient Sedated and Stationary with a connected HRS, the "HRS detected" popup is not displayed after closing the Patient Positioning Mode screen.	The patient positioning mode had been selected before connecting the HRS and then again after connection. The monitor does not display the dialog in question multiple times. If the user has previously acknowledged it the dialog is not displayed again.	Proceed with monitoring.
After 30 hours of monitoring, the data bridge module loses communication with monitor host module. This causes all modules/monitoring to fail.	This communication loss is due to high CPU/disk usage.	Power cycle the monitor.
After performing a BP calibration while in Non-Invasive monitoring mode, and then switching to Invasive and back to Non-Invasive monitoring modes, the BP calibration status is cleared on BP Calibration screen. The BP calibration is not cleared after monitoring is stopped for 10 minutes.	Calibration data is stored on host module and HemoSphere ClearSight module resulting in a discrepancy in BP Calibration status when switching between monitoring technologies.	Re-calibrate BP.

Known anomaly	Cause	Suggested actions
The pressure controller is becomes unusable due to memory corruption.	The cause for this anomaly is still under investigation.	Switch to a different pressure controller.
While monitoring in non-invasive mode and connecting new finger cuffs, the incorrect cuff expiry dates are displayed on finger cuff settings screen.	During a measurement, the pressure controller only updates the expiration once per minute. Therefore, there is a delay on-screen of updated expiration time.	No troubleshooting steps necessary. Wait for the finger cuff settings screen to automatically update.
The display of "Fault: Cuff Disconnected During Double Cuff" is delayed after disconnecting cuff.	If the finger cuff is disconnected within first 5 seconds of monitoring, a finger cuff error alarm is triggered first. Active monitoring had not commenced.	Re-connect cuff and resume monitoring.
Immediately after the start of non-invasive monitoring, if the single cuff connection is switched to the other port on pressure controller, the incorrect cuff fault is displayed ("Fault: Cuff Disconnected During Double Cuff Monitoring" or "Fault: Second Cuff Connected During Single Cuff Monitoring").	The pressure controller is triggering the incorrect error due to timing discrepancies.	Start a new measurement to clear the fault.
During a communication recovery between the HemoSphere ClearSight module and monitor, the monitor issues a module reboot.	The monitor terminates recovery from communication failure prematurely.	Power cycle the monitor.



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Telephone 949.250.2500
800.424.3278
FAX 949.250.2525

Web IFU



Edwards Lifesciences LLC
One Edwards Way
Irvine, CA 92614 USA
Made in USA