



Calisto Manager

End-user Release Notes

Version 1.8.1

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The following end-user release notes are intended to help you manage a software and firmware upgrade within your organization.

Summary


The end-user release notes apply the following Morgan Schaffer products:

Product name	Models
Calisto	C76, C76A, C76G, C150
Calisto 2	C85, C85A, C250
Calisto 5	C500, C501
Calisto 9	C900, C900S, C901

The following software and firmware are now available:

Software / Firmware name	Versions
Calisto Manager software	1.8.1
Calisto and Calisto 2 firmware <i>(carried by Calisto Manager)</i>	Main: 3.81
Calisto 5 and Calisto 9 firmware <i>(carried by Calisto Manager)</i>	Main: 2.71 GC: 2.71
Power supply firmware <i>(carried by Calisto Manager)</i>	PSU (AC): 2.2.0 (C76 and C85) PSU AC/DC: 2.6.2 (C76A, C76G, C85A, C150, C250, C500, C501, C900, C900S and C901) PSU 2: 1.0.0 (All)

They can be downloaded from our website at <https://www.morganschaffer.com>. Please enter your client login information and navigate from the "Technical Support" tab to the "Software, Manuals & Specifications" page.

	Highlights of this release
✓	<p>All Calisto monitors:</p> <ul style="list-style-type: none"> Fixed a behavior whereby Calisto Manager could freeze after an automatic firmware upgrade with Windows 10, when connected to a Calisto using USB.
✓	<p>Calisto 5 and Calisto 9:</p> <ul style="list-style-type: none"> Fixed GC I/O Synchronization Errors. Changed the default conditions for triggering Detector Current Low Error.
✓	<p>Calisto and Calisto 2:</p> <ul style="list-style-type: none"> Fixed a bug that could cause the unit to report INIT rather than gas readings. Fixed intermittent relay glitches that could occur with some Main I/O hardware revisions. Fixed wrong 4-20 mA analog output values that could occur with some Main I/O hardware revisions.

Technical support

If you have any questions regarding this release, please contact your Morgan Schaffer Authorized Representative or Morgan Schaffer technical support:

Web: <https://www.morganschaffer.com>

E-mail: support@morganschaffer.com

Telephone: +1.514.739.1967

Toll-Free (USA and Canada): +1.855.861.1967

Software compatibility

The following operating systems are supported by Calisto Manager:

- Microsoft Windows XP® SP3
- Microsoft Windows Vista®
- Microsoft Windows 7®
- Microsoft Windows 8®
- Microsoft Windows 10®

Instructions

Software upgrade

Recommendations:

1. Before upgrading Calisto Manager, review all changes in these notes to ensure compatibility with your needs.
2. Upgrade all Calisto Manager installations within your organization to the new version.

Warning: The database used by Calisto Manager may be updated in a manner that cannot be reverted to the previous format.

To install Calisto Manager, double-click on the Calisto Manager installation file and follow the on-screen instructions. At the "Choosing Components" step of the installation, be sure to check the "USB Drivers" box. If a notification window appears, choose the "Continue Anyway" option.

Firmware upgrade

Recommendations:

1. Before upgrading the Calisto firmware, review all changes in these notes to ensure compatibility with your needs.
2. Upgrade all Calisto units in your organization with new firmware. This is accomplished by connecting to each one with the new version of Calisto Manager and following the upgrade instructions.

Warning: Firmware upgrade is irreversible.

To upgrade the Calisto firmware:

- Start the new Calisto Manager version.
- In the Calisto Manager main window, double-click the Calisto to upgrade.
- Calisto Manager will ask to do the firmware upgrade.
- After the upgrade, Calisto Manager will restart the Calisto.

Related documents

All Calisto monitors	Revision	Updated?
Calisto Manager User Guide	22	Yes
IEC 61850 Configuration Tool User Guide	04	No
IEC 61850 Communication Kit Installation & Configuration Manual	08	No

Calisto and Calisto 2	Revision	Updated?
Calisto-Calisto 2 DNP3 device profile	5.1	No
Calisto-Calisto 2 Modbus device profile	1.10	No
Calisto-Calisto 2 IEC 61850 device profile	2.0	No
Calisto-Calisto 2 IEC 61850 configuration	2.0	No
Calisto-Calisto 2 Error codes and recommended actions	01	No

Calisto 5 and Calisto 9	Revision	Updated?
Calisto 5-Calisto 9 DNP3 device profile	6	No
Calisto 5-Calisto 9 Modbus device profile	1.11	No
Calisto 5-Calisto 9 IEC 61850 device profile	2.0	No
Calisto 5-Calisto 9 IEC 61850 configuration	2.0	No
Calisto 5-Calisto 9 Error codes and recommended actions	03	No

Changes

Calisto Manager Software

Calisto Manager			Version: 1.8.1
Type	Models	Introduced version	Description
Major	All	Windows 10	Fixed a behavior whereby Calisto Manager could freeze after an automatic firmware upgrade with Windows 10, when connected to a Calisto using USB. Workaround: Restart Calisto Manager.
Minor	C150 C250	1.0.0	Water Content (WC) in databank was showing INIT for C150 Demo and C250 Demo monitors. It will now show a simulated WC values in the form of a sine wave.

Hash codes to verify the integrity of the file:

MD5	AE032AD72920BB040440021D926746D1
SHA-1	041236CFA90797654825D0ADCEC7D3C2220F6B75
SHA-256	AA2ECAA60B8DEAC1D94BFAEDB8B3F751443C50A5B3BC3E7395B6BED403B5F2D1

Calisto and Calisto 2 firmware

Main			Version 3.81
Type	Models	Introduced version	Description
Critical	All	3.80	Fixed a bug that could cause the unit to report INIT rather than gas readings for some versions of Main I/O
Major	All	3.70	Fixed intermittent relay glitches that could occur with some versions of Main I/O.
Major	All	3.80	Fixed wrong 4-20 mA analog output values that could occur with some Main I/O hardware revisions if no factory calibration was programmed. The 4-20 mA analog outputs were using the 0-24 mA mode instead of the 4-20 mA mode when no factory calibration was programmed. Workaround: Technical support can provide a script to save the default calibration.

Calisto 5 and Calisto 9 firmware

Main			Version 2.71
Type	Models	Introduced version	Description
Minor	All	1.84	Fixed a bug that was causing GC I/O Synchronization Error to be reported in rare cases. When the Main I/O was synchronizing the GC I/O time, in some rare cases, a GC I/O Synchronization Error was reported, even though the GC I/O time was successfully synchronized.

GC			Version 2.71
Type	Models	Introduced version	Description
Critical	C501 C901	2.70	Changed the default threshold conditions for triggering Detector Current Low Error.

Types of changes

Type	Description
Critical	Change that fixes a problem that affects a basic functionality and does not have a workaround. It requires an upgrade.
Major	Change that fixes a problem that affects a basic functionality and has a workaround. It requires an upgrade if the workaround is not applicable.
Minor	Change that fixes a problem that affects a non-basic functionality and may have a workaround. It does not necessarily require an upgrade.
Enhancement	Change that improves an existing feature that brings new value.
Change	Change that does not fix any problem or bring any new value.
New feature	Change that adds new capabilities.
Security	Change that fixes a problem related to security. It usually does not have an impact on normal operation. The customer must decide if it requires an upgrade.