



# Calisto Manager

## End-user Release Notes

Version 1.8.3

May 25, 2020

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, C901S

The following software and firmware are now available:

Software / Firmware name	Versions
Calisto Manager software	1.8.3 (replaces and supersedes release candidate 1.8.2)
Calisto and Calisto 2 firmware (carried by Calisto Manager)	Main: 3.81
Calisto 5 and Calisto 9 firmware (carried by Calisto Manager)	Main: 2.73 GC: 2.73
Power supply firmware (carried by Calisto Manager)	PSU (AC): 2.2.0 (C76 and C85) PSU AC/DC: 2.6.2 (C76A, C76G, C85A, C150, C250, C500, C501, C900, C900S, C901 and C901S) 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



Calisto 5 and Calisto 9:

- Calisto C901S model is now supported. This model measures the concentration of SF<sub>6</sub> in the oil.
- Measurement cycle improved to reduce Plasma Loss Error.
- Trend alarms can now be inhibited for a selected number of days.

## 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](mailto: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	REV-23	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	04	Yes

## Changes

### Calisto Manager Software

Calisto Manager			Version 1.8.3
Type	Models	Introduced version	Description
New feature	C500 C501 C900 C901 C900S C901S	N/A	Trend alarms can be inhibited for a selected number of days.
Enhancement	C501 C901 C901S	N/A	The new error code Column Temperature 3 Error was added to reduce the possibility of reporting false gas readings in rare cases when the column temperature ramp is not as intended.
Enhancement	C901S	N/A	C901S monitors are now supported.  C901S demonstration monitors can be added to the list of monitors.

Hash codes to verify the integrity of the file:

MD5	6BFAB97C5E29A98256FB1A6D3CF58373
SHA-1	6C88EECBF2BC92A0ED4248CED4DA207B18ED5657
SHA-256	2C385FB458483329589B2358F208DBD4FACB5456BE0B8D5610EBAEEA09900E3C

### Calisto 5 and Calisto 9 firmware

Main			Version 2.73
Type	Models	Introduced version	Description
Minor	All	2.60	DNP3 reported value for water content and RS25 is always INIT (0 - OFFLINE) when value has not changed since start-up.  Workaround: Send a script to start and stop the simulation of water content and RS25. Needs to be sent each time Calisto restarts.
New feature	All	N/A	Allow to inhibit trend alarms for a specific amount of time.

GC			Version 2.73
Type	Models	Introduced version	Description
Critical	C501 C901 C901S	2.50	Reduce occurrences of Plasma Loss Error.
Critical	C501 C901 C901S	2.50	New error code for Column Temperature 3 Error has been added.
Major	C501 C901 C901S	2.50	Consecutive Detector Startup Error will now be raised only if detector startup failures are consecutive.  Workaround: Restart the monitor.

## 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.