GE
Security

QuickStart Version 2.5 Release Notes

Content

Introduction

These release notes summarize the changes made for QuickStart version 2.5. They also include information that was not available when the documentation or Help system were released for publication.

Version 2.5 brings many new features and enhancements to the QuickStart series of control panels. This document will help guide you through installation and migration from previous versions to version 2.5.

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All future revisions of version 2.5 for both the QS-CU and the CPU microcode will be compatible. Example: Version 2.51 of the QS-CU will be compatible with version 2.52 of the CPU microcode.

Release notes for previous versions of QuickStart are available on our web site.

Operating system compatibility

Version 2.5 of the QuickStart Configuration Utility (QS-CU V2.5) is compatible with the Windows 98, 2000, Me, XP, and NT operating systems. The QS-CU is also compatible with Windows XP Service Pack 2 and Windows Vista Home Edition.

The *QuickStart Online Help* requires that you have Internet Explorer 4.0 or later installed on your computer. The compiled HTML help file is not compatible with other web browsers.

To determine which version of Internet Explorer you are using:

1. On the taskbar, click Start then click Internet Explorer.
2. On the Help menu, click About Internet Explorer. Internet Explorer upgrades are available free from Microsoft via the Internet.

The version number must be 4.72.3612.1713 or greater. If it is not, you must upgrade to a new version.

We recommended that you upgrade to Internet Explorer version 6.1 SP1 or later. Internet Explorer upgrades are available free from Microsoft via the Internet at:

http://www.microsoft.com/windows/downloads/ie/getitnow.mspx

Changes to the QuickStart panel CPU

For all models

Here is a summary of the changes and enhancements made in version 2.5 that apply to *all* models of the QuickStart panel CPU.

Required updates for UL 864 9th edition:

- AC Power fail notification can now be set to None, 1 hour, 3 hours (default), 6 hours, or 12 hours.
- Added AC Power Fail to the system. Maximum number of 30 (AC PWR Fail) device types are allowed on the system.
- Panel Silence operation has moved from a user Access Level 0 to Access Level 2.
- Panel Buzzer will re-sound after 24 hours if off-normal condition persists.
- Added support for ground fault detection on the DLD card. Two new pseudo points were added, one for each phone line.

- Reduced the verification time on ZA8-2 and ZB16-4 cards.
- Enhanced DLD disable functionality. (Allow the DLD to be disabled. Allow each account to be disabled.)

Additional features:

- Added support for Family Annunciators.
- Time Controls will run to completion.
- Added Set Time and Set Date commands to provide support for daylight saving time
- Enhanced CPU startup operation when the PS6 is in failsafe mode.
- Added fix for clear history causing spooler task to time out and restart.
- Fixed delta display while user enters text.
- When a system is installed with a dialer, a programming message is sent out. The dialer will not restart on the rail until it processes the programming mode event message. The programming message is CU configurable.
- Enhanced network reconciliation processing.
- Updated the Need Database pseudo points to display and use text messages to indicate that the current database isn't valid.
- Check the validity of a user-entered date.
- Modifed the AutoCID message formatting so that it will no longer send the default trouble message for every trouble. It will only send the default trouble message once.
- Resolved issue with printer messages ignorning message routing patterns.
- Added functionality so that on subsequent Force Trouble activations the system re-sounds the trouble buzzer.
- Resolved issue where if a subsequent member of a zone activates the correct buzzer pattern re-sounds and the zone LED reactitvates.
- Resolved issue where if the user is pressing panel silence and the zone restores the zone LED associated with the activation will not latch on, even after the zone restores.
- Resolved issue when the panel would show a code failure when actually a database failure occurred.
- Fixed issue in which the Unconfigured Device Alarm was not being sent to the Dialer for CID accounts.

For MIR-QS1, MIR-QS4, QS1, and QS4 systems

Here is a summary of the changes and enhancements made in version 2.5 that apply only to the MIR-QS1, MIR-QS4, QS1, and QS4 models of the QuickStart panel CPU.

- Enhanced processing time of outputs based on input. (A system with new SLIC cards will support a 10-second response time from the time the alarm is initiated until all outputs are turned on.)
- Add SIGA-CR2.
- Front panel programming features:

  SIGA-CC1S and SIGA-MCC1S: Audible and Output device type setups allow synced operation (personality 25).

  SIGA-DTS: Added ability to support for Supervisory, Active Non-Latching.

  SIGA-UM, SIGA-CR, SIGA-CRR, SIGA-MCR, and SIGA-MCRR: Allow for the configuration of Dry Contact and Common Alarm Output device types.

  SIGA-IO and SIGA-MIO: Normally Open or Normally Closed, Common Alarm output.
- Fixed delay issue on Service Test. Automatic signature point resets are not sent after each test activation.

Changes to the QuickStart Configuration Utility

Here is a summary list of the changes made in version 2.5 that apply to the QuickStart Configuration Utility (QS-CU).

Required updates for UL 864 9th edition:

- AC Power fail notification can now be set to None, 1 hour, 3 hours (default), 6 hours, or 12 hours. A warning will be provided, during connection to the system, if the default value of 3 hours is not used.
- Added AC Power Fail to the system. Maximum number of 30 AC PWR Fail device types are allowed on the system. If more than 30 items are added a warning will be provided.
- Panel Silence operation has moved from a user Access Level 0 to Access Level 2.
- Panel Buzzer will re-sound after 24 hours if off-normal condition persists. 24 hours is the default setting. A warning is provided , during connection to the system, if the default value of 24 hours is not used.
- Added support for ground fault detection on the DLD card. Two new pseudo points were added, one for each phone line.
- Reduced the alarm verification time on ZA8-2 and ZB16-4 cards.

- Enhanced DLD disable functionality. (Allow the DLD to be disabled. Allow each account to be disabled.)
- Added warning when noncompliant dry contact devices are used in the system.

Additional features:

- Added support for Family Annunciators
- Corrected intermittent exception when closing a connection to the system.
- Corrected a problem where background processing was not performed when a change in cabinet type required a change in system language.
- Improved Help System.
- Corrected numerous Yes/No dialog operations where clicking the Windows Close button was processed as clicking the Yes button.
- Added the ability to enable / disable the dialer queue, and each dialer account.
- Added the ability to edit the user trouble message.
- Added support for the Set Time command. This can be used to accomodate support for daylight savings time.
- Created a new isolator type for IM modules. This will prevent false warnings where isolators do not activate outputs.
- Corrected an issue where IM modules configured using front panel programming resulted in unknown device type warnings.
- Added a warning informing the user to wait at least one minute before attempting to communicate with the system after communications are aborted by the user.
- Added support for a dialer default program mode message. This is the message that will be sent to the CMS when system enters programming mode.
- Corrected an issue where the switch type could be edited when no switches are configured in the system. This problem existed on the correlation form.
- Updated correlation form to default to the first dialer account for dialer commands. In previous versions dialer commands defaulted to an invalid account.
- Updated correlation form to propagate text updates made on the form. In previous versions some text changes made on the correlation form could be lost.
- Updated correlation form to prevent user from changing switch and group values from the switches grid. In previous versions key violations and invalid switch configurations were possible.

- Updated correlation form to prevent the wrong set of output commands from being presented to the user upon form startup. In previous versions an invalid output command could be selected under some circumstances.
- Updated the correlation report to display switch responses. In the previous version switch responses could not be displayed.
- Updated system retrieval to allow edit of User Trouble text message. In previous versions the text could not be edited following system database retrieval.
- Update system database retrieval to validate the retrieved database before processing data from the retrieval. In previous versions it was possible to end up with an invalid database following retrieval. The user was allowed to save and edit the invalid database.
- Corrected an issue where PC could hang if the retrieved database was too small.
- Improved the editing of test times on the dialer configuration form.
- Due to incompatibilities between version 2.5 CPUs and earlier versions a CPU Version selection was added to the project configuration form. The version installed in the system must match the version selected on the project configuration form or database transfer will not be allowed.
- Updated the main menu to support shortcut keys for Project New, Open, Save, Import, and Export.
- Updated to save the status of the database conversion process when exporting a project, and retrieve the status from imported projects. In previous versions it was possible to skip the conversion process even though it was required.
- Updated the Signature Map to display model, serial number, and address simultaneously.
- Added the ability to indicate devices effected by a balanced map on the map. The text (BAL) will follow the address if the device is effected by a balanced map.
- Added the ability to print a Signature Map.
- The Accept Actual and Accept All functionality was modified to accept devices by serial number. If a device is accepted and a matching serial number is found for expected data the expected data will be updated to match the actual data. In some cases the address may not match due to conflicts. If a matching serial number is not found a new device will be added.
- The Accept Actual and Accept All functionality was modified to utilize the expected device type if it is valid for the model and personality. In previous versions accepting a device resulted device types changing to the default device type.
- Added the ability to modify the text messages of Signature devices from the Detector and Module tabs.

- Modified the Object Configuration form to propagate text changes. In previous versions it was possible to lose text changes under certain circumstances.
- Updated the conversion process to utilize performance enhancing features of the Version 1.5 SLIC Cards.
- Resized the Routing Configuration form to no longer require scrolling to view entire contents of the grid.
- Updated the warning message for duplicate serial numbers to display the correct address for the conflicting device. In previous versions the device address being edited was displayed. The conflicting address should be displayed.
- Updated the SLIC Configuration form to properly clean up following device type changes. In previous versions proper cleanup was not performed.
- Corrected the System Error report to display the correct version required heading on the report. In previous versions the incorrect version was displayed if similar warnings with different versions required appeared on the same report.
- Corrected an issue on the Signature Statistics report where the 278 pull station was shown as using two addresses. This module uses a single address.
- Added support for the CR2 module.
- Added support for the DTS to be configured as an Active Latching Supervisory Duct device type (personality 4.)
- Added support for CC1S and MCC1S modules to be configured as Output device types (personality 25.)
- Added support for UM module to be configured as an Alarm Dry Contact device type (personality 8.)
- Added a CMS report. This report displays the messages sent to a CMS based on the Auto Contact ID algorithms.

Notes for all QuickStart units

If your system has remote annunciators that are connected to the control panel using Class A wiring, you need to add a QS-232 card in order to use printers or to connect to the QS-CU.

Coded output operations using the CDR-3 require CDR-3 version 2.0 microcode or later.

The QuickStart system supports the Signature (M)IO module as described below.

Supported personality codes:

- 31 NO.relay output with monitor input
- 32 NC relay output with monitor input

Personality codes not supported:

- 33 NO relay output with alarm latching input
- 34 NC relay output with alarm latching input
- 35 NO relay output with delayed alarm latching input
- 35 NC relay output with delayed alarm latching input
- 37 NO relay output with active non-latching input
- 38 NC relay output with active non-latching input
- 39 NO relay output with active latching input
- 40 NC relay output with active latching input

Installing the configuration utility and microcode

You can install version 2.5 of the QuickStart Configuration Utility (QS-CU) without impacting the installation of previous versions. This allows existing projects to be maintained without needing to update them to the current version. At the same time, new projects can be created with version 2.5 for use in all QuickStart systems.

Prior to installing the new version, we recommend that you export all project files.

When you run the installation program, it installs the new version in a unique directory. The installation program automatically provides the correct location as a default. We recommend that you accept the suggested default setting to prevent overwriting an existing (previous) version of the QS-CU.

Some new features of the QS-CU require version 2.5 of the CPU microcode. These features include the following:

- AC Power Device Types
- Family Annunciator Cabinet Types (Remote LCD / Control, Remote LCD, Remote LED, Graphic Driver)
- Set Time commands

For your convenience, we've included the latest CodeLoader utility on the *QuickStart Configuration Utility* CD (P/N QS-CU) along with version 2.5 of the microcode.

Install CodeLoader by running the setup program x:\CodeLoader\Setup.exe (where x: is the drive letter of your CD-ROM drive).

For further instructions, refer to the *CodeLoader Users Guide,* also on the CD.

Software revisions and compatibility

Rail card compatible versions

Table 1: QuickStart QS-CU version 2.5 software compatibility

Rail Cards	Oldest* version	Shipping version	Medium	Part number
PS6	1.0	1.11	Chip	7990009
ZB16-4	1.0	1.20	Chip	7990007
ZA8-2	1.0	1.11	Chip	7990016
ZR8	1.0	1.0	Chip	7990013
SLIC	1.0	1.5	Chip	7990192
DLD	1.0	1.71	Chip	7990008
QSx-CPU**	1.0	2.5	CD CodeLoader	

* Oldest version still compatible with QS-CU
** The x relates to all versions of CPU code: QSC, QS1, and QS4.

QS-CU database compatibility

QuickStart QS-CU V2.5 can be used to generate databases for the following CPU types:

Table 2: CPU microcode supported by QS-CU V2.5

QSx-CPU	QS-CU supported microcode versions
QSx-CPU	V1.0, V1.1, V1.2, V1.3, V1.4, V1.41, V1.8, V2.5

Latest compatible versions

The following table identifies the most recent version of rail card microcode that is compatible with each QSx-CPU microcode version.

Table 3: Rail card and QSx-CPU microcode compatibility

	QSx-CPU microcode versions						
LRM	**V1.0**	**V1.1**	**V1.2**	**V1.3**	**V1.4X**	**V1.8**	**V2.5**
PS6	V1.0	V1.0	V1.0	V1.0	V1.0	V1.0	V1.11
ZB16-4 *	V1.2	V1.2	V1.2	V1.2	V1.2	V1.2	V1.2
ZA8-2 *	V1.2	V1.2	V1.2	V1.2	V1.2	V1.2	V1.11
ZR8	V1.0	V1.0	V1.0	V1.0	V1.0	V1.0	V1.0
SLIC *	V1.5	V1.5	V1.5	V1.5	V1.5	V1.5	V1.5
DLD *	V1.6	V1.6	V1.6	V1.6	V1.6	V1.6	V1.71

* All previous revisions of the rail cards are supported by microcode version 2.5 of the CPU.

Migrating existing projects

Projects created with previous versions of the QS-CU can optionally be migrated to version 2.5. You determine which projects are migrated and which are not. It is not necessary to migrate all older projects to the new version — only those that you decide will need the new features offered in version 2.5.

Version 2.5 of the QS-CU supports panel microcode versions 1.0 to 2.5. Features that are not supported in older microcode versions are flagged in an error report.

To migrate an existing project to a version 2.5 project:

1. Open the project using the previous version of the QS-CU.
2. Export your project.
3. Install version 2.5 of the QS-CU.
4. Start version 2.5 of the QS-CU.
5. Import the project you exported previously.

   The project is converted to version 2.5 during the import process.
6. Save the project.

Incompatibility concerns

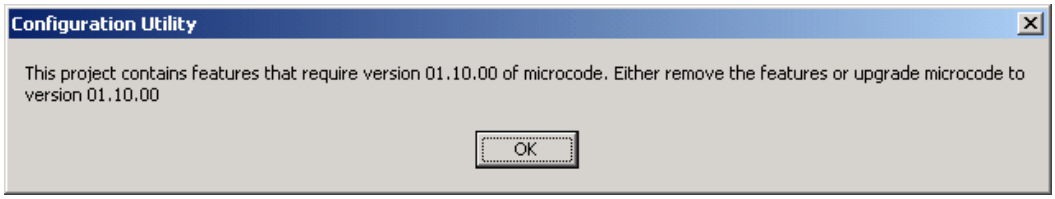
Version 2.5 projects imported into earlier QS-CU versions

You can retrieve a database from a version 2.5 CPU into an earlier version of the QS-CU. However, doing so results in an invalid database. No warnings or error messages are given beforehand. It is important that everyone involved with maintaining a given project use the same version of QS-CU.

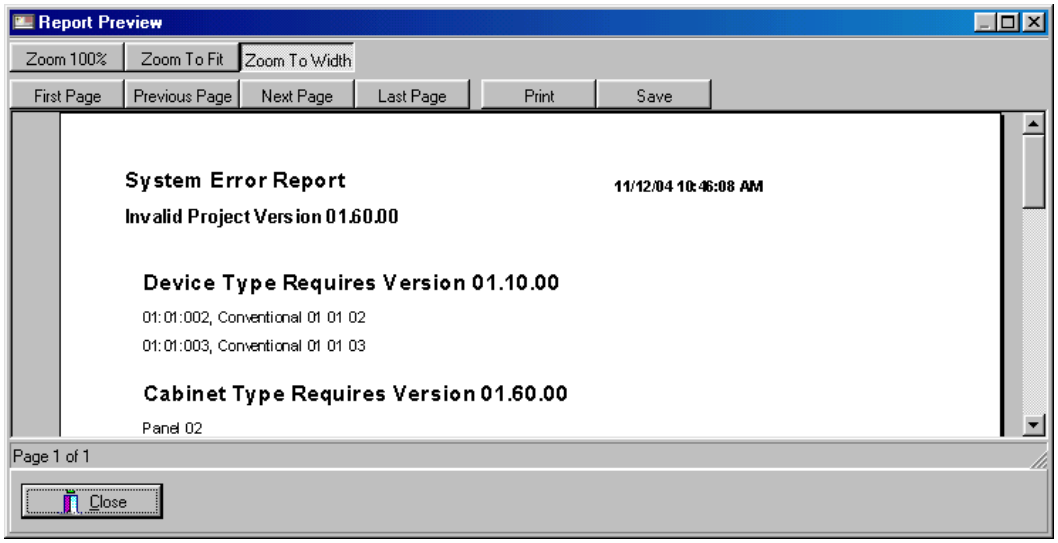
QS-CU version 2.5 and earlier CPU versions

The QS-CU will build the correct database for previous releases of the CPU microcode. However, if you select certain features that earlier CPU microcode does not support, the system generates warning messages and error reports when attempting to download the database.

The first warning:



Following this warning message, the system generates an error report. (In this example, the project attempted to assign Latching Supervisory to P:01 C:01 D:002 and Latching Tamper to P:01 C:01 D:003. These types are not supported in CPU version 01.00.00. Also, the project included a panel type that is invalid.



Earlier QS-CU version and CPU version 2.5

Projects created with earlier versions of the QS-CU can be downloaded to later versions of the CPU. However, the CPU microcode will flag this as an error and will display error messages on the control panel's LCD display. When you download an invalid database the Default Database error messages are displayed. These are described below.

Default database error messages (previous to version 2.5)

The system normal screen displays "Need Database" where the Facility Name is normally displayed. The system will display these trouble event messages:

```
001LCL TROUBLE
P:00 C:00 D:004
No Message.
```

```
002LCL TROUBLE
P:01 C:00 D:027
No Message.
```

If an LED/switch card is installed, the system eventually displays this trouble event message...

```
LCLTROUBLE
Panel01 LED/
Switch Display.
```

...and this monitor event message:

```
001MONITOR
P:00 C:00 D:001
No Message.
```

Default database error messages (version 2.5)

The system normal screen displays “Need Database” where the Facility Name is normally displayed. The system will display these trouble event messages:

```
001LCL TROUBLE
No Database
```

```
002LCL TROUBLE
First Trouble
```

```
003LCL TROUBLE
Unexpected Card
```

If an LED/switch card is installed, the system eventually displays this trouble event message...

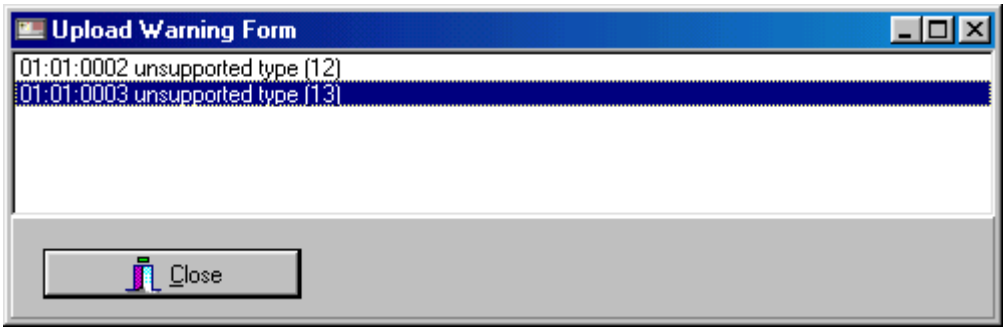
```
004LCL TROUBLE
LED/Switch Display
```

...and this monitor event message:

```
001MONITOR
Startup
```

Retrieving a 2.5 CPU database into earlier versions of the QS-CU

Previous versions of the QS-CU let you upload the CPU databases. After the upload finishes, the QS-CU checks the database for compatibility issues. If there are any compatibility issues, they are displayed in the following warning message.



At that time you should update the QS-CU to the correct version.

Upgrading QuickStart panel software

Upgrading a QuickStart system from older microcode to version 2.5 requires the use of CodeLoader. If you are upgrading an existing system, all CPUs in the system (the

panel and any annunciators) must be upgraded. Please refer to the *CodeLoader Users Guide* for detailed instructions.

In general, you'll start by determining whether the current project database is available in the QS-CU. If not, you must retrieve the current database from the panel using version 2.5 of the QS-CU and save the project.

Install and start the CodeLoader utility and choose the 2.5 microcode. During the connection process the CodeLoader warns you that the database will be deleted. The microcode takes roughly eight minutes per CPU to transfer. CodeLoader advises you of a successful completion.

Once the microcode has been updated, download the project into the affected CPUs. The download must be done at each CPU. It cannot be done across the network.

Family Annunciators (FA)

QuickStart version 2.5 supports the new Family Annunciators (firmware version 1.00.00). These annunciators feature easier installation, reduced size, and a simplified user interface. These require no database download. The master panel (panel 1) will automatically update the family annunciator database after the master panel has been downloaded.