GE
Security

EST3 Version 3.74 Release Notes

Content

1. Introduction

These release notes contain a summary of the changes made for EST3 versions 3.74 and earlier 3.7x releases. You can bypass information about the earlier versions if you have already updated to one of these releases. The notes may also include information that was not available for inclusion in the documentation or Help system at publication time.

Notes

- Please read these notes in their entirety before attempting to install your new version of the 3-SDU. The topic "12. Microcode panel upgrade instructions" provides detailed instructions on upgrading systems using the network download feature.

- The use of "x" in a model number may be used to indicate several generations of the product. For example 3-CPUx represents the 3-CPU, 3-CPU1 and 3-CPU3.

2. Operating system compatibility

3-SDU V3.74 is compatible with Microsoft Windows 2000, Windows XP Service Pack 3, and Windows Vista Service Pack 1.

3. New software versions

Table 1: New EST3 software and microcode versions

Description	Version
3-CPUx microcode	3.70
3-EAxC microcode	3.71

4. Overview of changes

4.1. What's new in version 3.71

- Removed CHECK-IN Groups

- Removed the EMERGENCY device type

- Updated SDU Help

- Changed the initial default setting for K5 on RZB12-6/3

- Fixed issue with fire phone call-in event on RZB12-6/3

- Fixed issue preventing TAP location substitution string transmission by 3-MODCOM

- Fixed issue that prevented a ZA-95 amplifier from being removed from the second rail slot when deleted

- Fixed issue with passwords being deleted from imported projects in version 3.70
- Fixed issue with User Changed Pseudo Point Color option
- Fixed issue that caused an error when opening a project with the Verify Project and Repair option checked
- Included fixes for rule commands A1TST and other trouble tests, which showed valid devices as being invalid during rules compile

4.2. What's new in version 3.72

- Fixed missing Location Text in pager messages
- Fixed ASU Configuration exit changing devices types of some switches, pseudo points, and IDC zones to LOCAL RELAY
- Increased the maximum number of 3-MODCOM modules allowed
- Increased the maximum number of AND groups allowed

4.3. What's new in version 3.73

- Added support for new 3-4/3SGYWR Control-Display Module
- Removed restriction on duplicate serial numbers in a project
- Fixed issue with changing to and from 3-CAB5 configuration
- Fixed issue that prevented ASU records from deleting correctly
- Fixed the All Upload button so that it only selects local rail modules from which the SDU can upload data
- Fixed issue that caused the Input/Output Correlation Report to display duplicate records and incorrect responses
- Fixed issue that caused an error when you closed the report generated by Check-In Groups and Emergency device type changes
- Corrected Tab key operation in the Signature loop controller configuration forms
- Added 3-CPU Boot Code version 3.70
- Updated Help files and fixed broken links
- Fixed issue that caused an error when you closed the Object Without Labels report
- Removed relay sounder bases from BuildingReport.com report

4.3. What's new in version 3.74

- The Unsupported Devices/Groups report is fixed and now only selects Check-In Groups and Emergency Devices that will be removed or modified in the project

- The MODCOM and MODCOMP configuration screen is fixed and now displays without causing an error

- In SAC configuration, KPDISP can be changed or removed without causing an error

- The annunicator configuration screen grid can be scrolled and the form position is saved

5. Software revisions and compatibility

5.1. 3-SDU and LRM microcode compatibility

To stay up-to-date, you should upgrade to 3-SDU version 3.74. There is no need to upgrade 3-CPUx application code or bootloader code.

Table 1: 3-SDU version 3.74 software compatibility

LRM	Oldest version *	Shipping version	Medium	Part number
3-ASU	1.4	3.4	CD	3-SDU
3-AADC	1.4	3.41	CD	3-SDU
3-AADC1	1.4	3.71	CD	3-SDU
3-CPUx	1.33	3.7	CD	3-SDU
3-EASC	3.4	3.6	CD	3-SDU
3-EADC	3.4	3.6	CD	3-SDU
3-FTCU	1.0	1.2	Chip	190156
3-FTCU	1.4	3.4	Chip	190254
3-IDC8/4	1.1	3.6	Chip	190159
3-LDSM	1.0	3.0	Chip	190153
3-MODCOM(P)	3.0	3.6	CD	3-SDU
3-OPS	1.0	3.0	Chip	190158
3-PPS	1.0	3.61	Chip	190157
3-BPS	1.0	3.61	Chip	190157
3-BBC	3.0	3.6	Chip	190157
3-RS485-A/B		1.5	PAL Chip	190271

LRM	Oldest version *	Shipping version	Medium	Part number
3-RS485-R				
3-SSDC	1.52	3.32	CD	3-SDU
3-SDDC	2.1	3.32	CD	3-SDU
3-SSDC1	1.52	3.7	CD	3-SDU
3-SDDC1	2.1	3.7	CD	3-SDU
3-SAC	3.1	3.6	CD	3-SDU
3-ZA15	1.1**	N/A	Chip	190151
	1.3	N/A	PAL Chip	190191
3-ZA20A	1.4	3.4	Chip	190252
	1.4	1.4	PAL Chip	190191
	1.0	1.0	PAL Chip	7400068
3-ZA20B	1.4	3.4	Chip	190252
	1.4	1.4	PAL Chip	190191
	1.0	1.0	PAL Chip	7400068
3-ZA30	1.1**	N/A	Chip	190151
	1.3	N/A	PAL Chip	190191
3-ZA40A	1.4	3.4	Chip	190252
	1.4	1.4	PAL Chip	190191
	1.0	1.0	PAL Chip	7400068
3-ZA40B	1.4	3.4	Chip	190252
	1.4	1.4	PAL Chip	190191
	1.0	1.0	PAL Chip	7400068
3-ZA90	1.4	3.4	Chip	190252
	1.4	1.4	PAL Chip	190191
3-ZA95	1.4	3.4	Chip	190252
	1.0	1.0	PAL Chip	7400068
CRC	1.3	1.7	CD	3-SDU
KPDISP	1.0	1.6	CD	3-SDU
CDR-3	2.0	3.5	Chip	190071

* Oldest version still compatible with the current version of 3-SDU

** Version 1.12 required for standalone mode disabled feature. To obtain V1.12, request a deviation version for part number 190151 through Technical Support.

Notes

- 3-CPUx V3.7 microcode cannot reside on the same network as earlier 3-CPUx microcode. To use V3.7, all panels must be upgraded to V3.7. Networks with 3-CPU microcode version 1.4 or later can be upgraded with the 3-SDU by using the network download function. (See the topic "12. Microcode panel upgrade instructions" on page 11.)

- The 3-CPU3 is 100 percent backward compatible with, and can be installed on the same network as, 3-CPU1 and 3-CPU. The 3-CPU3 and 3-CPU1 require at least version 1.41 microcode.

- 3-FTCU firmware comes in two noninterchangeable forms. Part 190254 cannot be used to update Part 190156, and vice versa.

5.2. 3-SDU and LRM database compatibility

3-SDU V3.74 can be used to generate databases for the LRMs listed in the following table.

Table 2: LRM microcode supported by 3-SDU V3.74

LRM	3-SDU supported microcode versions
3-AADC	V1.4, V3.0, V3.1, V3.41
3-AADC1	V1.4, V3.0, V3.1, V3.41, V3.6, V3.7, V3.71
3-ASU	V1.4, V3.0, V3.4
3-CPU	V1.41, V1.52, V2.0, V3.0, V3.1, V3.2, V3.41, V3.5, V3.6, V3.7
3-EADC/EADC	V3.4, V3.6
3-MODCOM(P)	V3.0, V3.1, V3.11, V3.12, V3.6
3-SAC	V3.1, V3.5, V3.6
3-SSDC/SDDC	V1.52, V2.1, V3.32
3-SSDC1/SDDC1	V1.52, V2.1, V3.32, V3.6, V3.7, V3.71
CRC	V1.3, V1.4, V1.5, V1.6, V1.7
KPDISP	V1.0, V1.1, V1.2, V1.3, V1.4, V1.5, V1.6

5.3. 3-CPU and LRM microcode compatibility

The following table identifies the most recent version of LRM microcode that is compatible with each version of 3-CPU microcode. We recommend that you use the latest compatible version of LRM microcode.

Table 3: 3-CPU and LRM microcode compatibility

| LRM	3-CPU microcode versions								
	V1.52	**V2.0**	**V3.0**	**V3.1**	**V3.2**	**V3.4**	**V3.5**	**V3.6**	**V3.7**
3-AADC	V1.4	V2.1	V2.1	V3.1	V3.1	V3.41	V3.41	V3.41	V3.41
3-AADC1	V1.4	V2.1	V2.1	V3.1	V3.1	V3.41	V3.41	V3.6	V3.7, V3.71
3-ASU	V1.4	V3.4	V3.4	V3.4	V3.4	V3.4	V3.4	V3.4	V3.4
3-EASC	---	---	---	---	---	V3.4	V3.4	V3.6	V3.6
3-EADC	---	---	---	---	---	V3.4	V3.4	V3.6	V3.6
3-MODCOM(P)	---	---	V3.0	V3.12	V3.12	V3.12	V3.12	V3.6	V3.6
3-SAC	---	---	---	V3.4	V3.5	V3.5	V3.5	V3.6	V3.6
3-SSDC	V1.52	V2.1	V3.32	V3.32	V3.32	V3.32	V3.32	V3.32	V3.32
3-SDDC	V1.52	V2.1	V3.32	V3.32	V3.32	V3.32	V3.32	V3.32	V3.32
3-SSDC1	V1.52	V2.1	V3.32	V3.32	V3.32	V3.6	V3.6	V3.6	V3.7, V3.71
3-SDDC1	V1.52	V2.1	V3.32	V3.32	V3.32	V3.6	V3.6	V3.6	V3.7, V3.71
CRC	---	---	---	V1.4	V1.4	V1.4	V1.6	V1.7	V1.7
KPDISP	---	---	---	V1.4	V1.4	V1.4	V1.5	V1.6	V1.6

Notes

- 3-CPUx V3.7 microcode cannot reside on the same network as earlier 3-CPUx microcode. To use V3.7, all panels must be upgraded to V3.7. Networks with 3-CPU microcode version 1.4 or later can be upgraded with the 3-SDU by using the network download function. See the topic "12. Microcode panel upgrade instructions".

- The 3-CPU3 is 100 percent backward compatible with, and can be installed on the same network as, 3-CPU1 and 3-CPU. The 3-CPU3 and 3-CPU1 require at least version 1.41 microcode.

- 3-FTCU firmware comes in two noninterchangeable forms. Part 190254 cannot be used to update Part 190156, and vice versa.

6. New in 3-SDU version 3.71

6.1. Removal of CHECK-IN group and EMERGENCY device type

When you attempt to open a project containing CHECK-IN groups and EMERGENCY device types a warning message appears.

Figure 1: Check-In group warning message
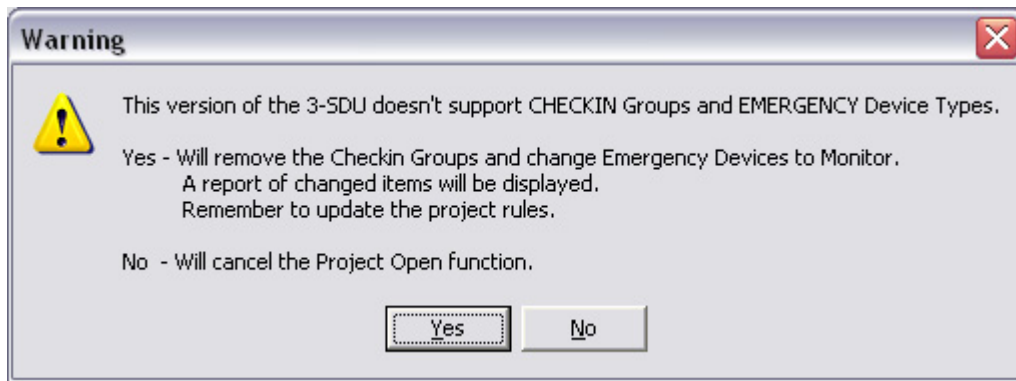
Clicking Yes removes these objects from your project. You will have to change any rules that use theses objects. This affects only Check-in groups and Emergency device types.

A report is displayed showing all the CHECK-IN groups removed. All EMERGENCY device types will be changed to MONITOR device types. Use this information to modify your rules and devices.

Figure 2: Unsupported Devices/Groups sample report
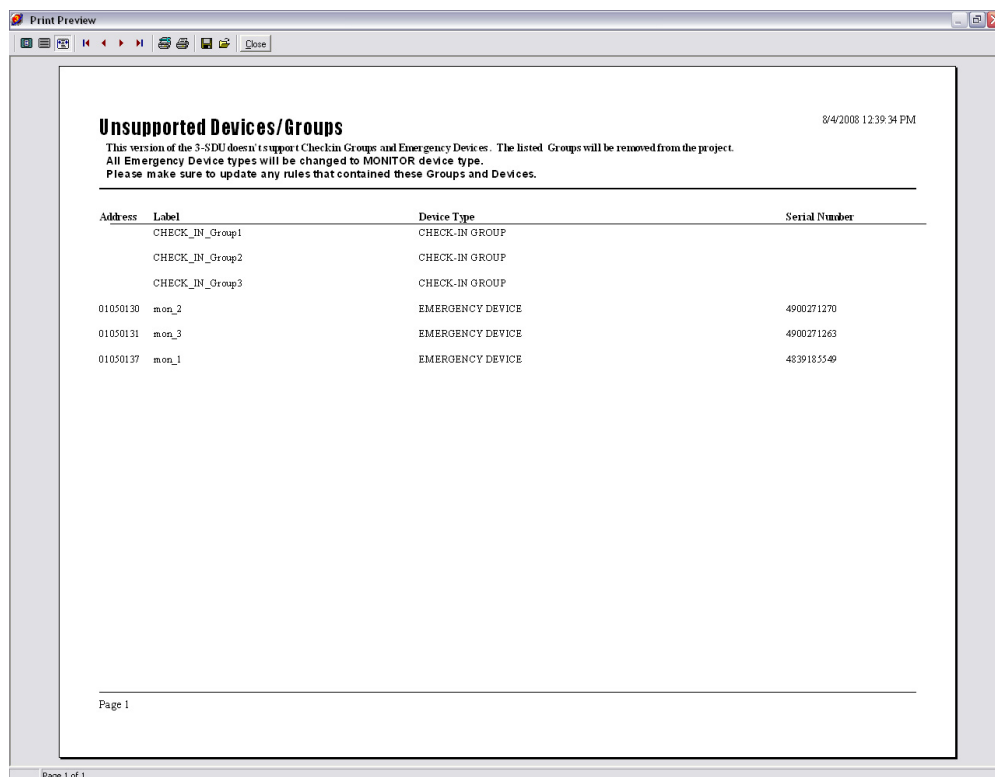
6.2. Objects configuration

CHECK-IN groups are no longer available in the Objects Configuration window. 3-SDU versions 3.71 and later do not support CHECK-IN groups.

6.3. 3-SxDC and 3-SxDC1 configuration

The EMERGENCY device type is no longer available.

6.4. RZB12-6/3 configuration

The K5 default setting when adding a new RZB12-6 model is now Supervised Output.

6.5. RZB12-6/3 firephone fix

We resolved an issue where the RZB12-6/3 fire phone configuration was coming in as a short trouble rather than a fire phone call-in event.

7. New in 3-SDU version 3.72

7.1. Location text in pager message

The issue where the Location Text was not being inserted in the pager message was resolved.

7.2. ASU configuration

We resolved the issue where exiting from the ASU Configuration dialog box changed the devices types of some switches, pseudo points, and IDC zones to LOCAL RELAY. The device types now remain as they were set.

7.3. 3-MODCOM maximum limit

The maximum number of 3-MODCOMs in a system has been increased from ten (10) to sixty (60).

7.4. AND Group maximum limit

The maximum number of AND groups in a system has been increased from four hundred and ninety-nine (499) to nine hundred and ninety-nine (999).

8. New in 3-SDU version 3.73

8.1. 3SW/4LEDx4 Configuration dialog box

The 3SW/4LEDx4 Configuration dialog box uses colored grid cells to help you identify the LEDs on a 3-4/3SGYWR Control-Display Module. The colors used in the dialog box match the LED colors and are arranged in the same order. The 3-4/3SGYWR provides four groups of three switches. In each group, the top switch has a green LED, the middle switch has a pair of LEDs (yellow-over-white), and the bottom switch has a red LED.

8.2. Signature Loop Controller Configuration

Duplicate serial numbers can exist in the project but not on the same loop.

9. V3.71 Microcode updates

9.1. 3-AADC1 V3.71 microcode

Added support for the RZB12-6/3 and UIO-12.

9.2. 3-SxDC1 V3.71 microcode

Fixed an issue where verified detectors would go into alarm if a supervisory detector became active prior to the verified detector activating, even if the panel had been reset since the supervisory detector went active, and had since been restored.

10. Installation and upgrade notes

Caution: If you are installing the 3-SDU on a PC connected to a local area network (LAN) using Borland products, call the Technical Support Department for additional installation information.

We recommend that you do not manually delete your previous version of the 3-SDU. Rather, let the installation program update that version to the current version.

The 3-SDU is best run on a computer with a resolution of 1024 x 768 (or better) and small fonts. If any other settings are used, some of the 3-SDU dialog boxes will be resized.

Only one version of the 3-SDU can be installed on your PC at one time.

11. Running the 3-SDU

11.1. Overview

Remember to install your security key in your computer's parallel (LPT1) or USB port. Any other devices that share this port must be plugged into the key.

Save your project periodically as you are working on it. Export your project to backup storage media on a regular basis to protect your work.

11.2. ECP gateway port selection

See external equipment manufacturer's documentation for compatible ECP gateway selection.

If an ECP port is configured on the 3-CPUx then 38.4K baud is not supported for download via the auxiliary ports to the 3-CPUx. However, 19.2K baud is supported.

If an ECP gateway port is not configured on the 3-CPU then 19.2K baud is not supported for download via the auxiliary ports to the 3-CPUx. 38.4K baud is supported. The RJ-45 connector always supports 19.2K baud and 38.4K baud for downloading.

12. Microcode panel upgrade instructions

12.1. 3-CPUx version 3.7

The new application and bootloader code must both be downloaded to ALL panels in the system.

Note: Do not mix different versions of 3-CPUx microcode on the same network. By carefully following the steps below, an existing system can be upgraded.

12.2. Upgrading V1.33 or lower to V3.70

Project version numbers are embedded in each project file. Because the Save As command creates a new version number that is different than the embedded version, you must use the following procedure to install V3.70. Please follow these steps in the correct order to upgrade the hardware and software in your system.

To upgrade from V1.33 or lower:

1. Install 3-SDU version 3.74.

2. Choose File > Open and select your project from the Open Project dialog box. Click OK to open the project.

3. Click OK to upgrade the microcode of your project.

4. Save your project as a new version, using the Save As command on the File menu.

5. Choose Rules > Compile to recompile your project.

6. Choose Tools > DB Conversion > All Databases to create databases for the loop controllers and cabinets.

7. Choose File > Save to save the recompiled project.

8. Disconnect network wiring at all panels.

9. Choose Tools > Communications and select Single Step for the Download mode.

10. From the LRM Type Display Filter group, select 3-CPU. From the File Display Filter group, select Application Code and Bootloader code. (Do not include the 3-SSDC/3-SDDC database, code, or bootstrap).

11. Connect the laptop to a node CPU, and click Download and Start to start the download.

12. From the File Display Filter group, select Database. Click Download and Start to start the download.

13. Connect the laptop directly to the 3-SSDC/3-SDDC and 3-ASU to download the application and bootstrap code.

14. Select database and download as required.

15. After all nodes are upgraded, reconnect the network wiring to all panels.

16. Using the Command Menu, restart the system.

12.3. Upgrading V1.4 or higher to V3.70

Project version numbers are embedded in each project file. Because the Save As command creates a new version number that is different than the embedded version, you must use the following procedure to install V3.70. Please follow these steps in the correct order to upgrade the hardware and software in your system.

To upgrade from V1.4 or higher:

1. Install 3-SDU version 3.74.

2. Choose File > Open and select your project from the Open Project dialog box. Click OK to open the project.

3. If required, click OK to upgrade the microcode of your project.

4. Save your project as a new version, using the Save As command on the File menu.

5. Choose Rules > Compile to recompile your project.

6. Choose Tools > DB Conversion > All Databases to create databases for the loop controllers and cabinets.

7. Choose File > Save to save the recompiled project.

8. Choose Tools > Communications and select Network for the Download mode.

9. From the LRM Type Display Filter group, select 3-CPU. From the File Display Filter group, select Database. (Do not select the Application Code, Bootloader Code, or any 3-SSDC/3-SDDC options).

10. Connect your laptop to the first CPU on the network (any node for Class A networks) and click Download and Start to network download version 3.70 of the database.

11. From the LRM Type Display Filter group, select 3-CPU. From the File Display Filter group, select Application Code. (Do not select the Database, Bootloader Code, or any 3-SSDC/3-SDDC options).

12. Click Download and Start to network download version 3.70 of the application code to all nodes.

13. From the LRM Type Display Filter group, select 3-CPU. From the File Display Filter group, select Bootloader Code. (Do not select the Database, Application Code, or any 3-SSDC/3-SDDC options).

14. Click Download and Start to network download version 3.70 bootloader code to all nodes.

12.4. Upgrading firmware on 3-SSDC(1), 3-SDDC(1), and 3-AADC(1) loop controllers

Notes

- You must upgrade the 3-CPUxs before upgrading the loop controllers.

- Each of the steps listed below must be completed in separate download sessions.

- The loop controllers can be upgraded using network downloads.

- If the bootstrap download fails, or if the steps are performed out of order, you must cycle the power on the panel and restart the upgrade by downloading the bootstrap code again.

To upgrade the loop controllers:

1. Download the 3-SSDC/3-SDDC/3-AADC bootstrap to each LRM. (Download the bootstrap only; do not download the application code or database.)

2. From the 3-LCD menu, issue a restart command for all panels.

3. Download the 3-SSDC/3-SDDC/3-AADC application code.

4. Download the 3-SSDC/3-SDDC/3-AADC loop controller databases.

12.5. Upgrading a 3-ASU

When upgrading a 3-ASU, it is recommended that you upgrade in the following order:

1. Boot code

2. Application code

3. Database

12.6. Upgrading a CRC or CRCXM

When upgrading a CRC or CRCXM, it is recommended that you upgrade in the following order:

1. 3-SDU application code

2. 3-SDU database

3. ACDB database (From the CRC Administration tab, select the Destination DB Init task.)

13. 3-SDU Help

3-SDU Help requires that you have Internet Explorer 4.0 or later installed. The compiled HTML help file is not compatible with other web browsers.

14. Known issues

14.1. Calibrate command

The Calibrate command for EA series devices has a maximum adjustment of 40% dirty. When calibrating a device that has been cleaned or is new, perform the Calibrate command several times in succession, waiting 20 seconds between each calibration.

14.2. 3-ASU

If you receive a Code 33 Error when downloading the database to the 3-ASU, you must reduce the message file size or the quantity of messages.

14.3. Single quote (') character allowed in label text

The single quote character (') remains an invalid character but is not being substituted when entering label text. See Table 4 below. As a result, the SDU will generate a syntax error when you compile the rules. To correct this, open the Object Configuration dialog box (Configure > Objects) and remove all single quotes that are part of an object's label text.

Note: This issue does not affect labels created using the Prefabricated Text Editor.

Table 4: Invalid character substitution table

This character...	Is replaced with...
(space)	_ (underscore)
* (asterisk)	@ (at)
# (pound)	@ (at)
< (less than)	((left parenthesis)
> (greater than)	) (right parenthesis)
% (percent)	@ (at)
{ (left curly brace)	((left parenthesis)
} (right curly brace)	) (right parenthesis)
` (back quote)	. (period)
" (double quote)	. (period)
' (apostrophe)	. (period)