GE
Security

EST3 Version 3.72 Release Notes

Content

1. Introduction

These release notes contain a summary of the changes made for versions 3.71 and 3.72 of EST3. If you have already updated to version 3.71, you can bypass information about that version. 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 “11. 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

The 3-SDU V3.72 is compatible with these operating systems: Microsoft Windows 2000, Windows XP Service Pack 3 and Windows Vista. For an important note concerning Windows Vista, please refer to the "Known issues" section of this document.

3. New software versions

Table 1: New EST3 software and microcode versions

Description	Version
3-AADC1 microcode	3.71
3-CPUx microcode	3.7
3-EAxC microcode	3.6
3-MODCOM microcode	3.6
3-SAC microcode	3.6
3-SDU/K new installation kit	3.7
3-SDU update kit	3.7
3-SxDC1 microcode	3.71
CRC microcode	2.0
KPDISP microcode	1.6

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

5. Software revisions and compatibility

5.1. LRM compatible versions

To stay up-to-date, you should upgrade to 3-SDU version 3.72. There is no need to upgrade 3-CPUx application code or bootloader code.

Table 2: 3-SDU version 3.72 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	3.7	CD	3-SDU
3-CPUx	1.33	3.7	CD	3-SDU
3-EASC	3.4	3.6	CD	3-SDU

LRM	Oldest version *	Shipping version	Medium	Part number
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
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

LRM	Oldest version *	Shipping version	Medium	Part number
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 "Microcode Version 3.71 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.

5.2. 3-SDU database compatibility

3-SDU V3.72 can be used to generate databases for the LRMs listed in the following table.

Table 3: LRM microcode supported by 3-SDU V3.72

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

LRM	3-SDU supported microcode versions
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. Latest compatible versions

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 4: LRM and 3-CPU microcode compatibility

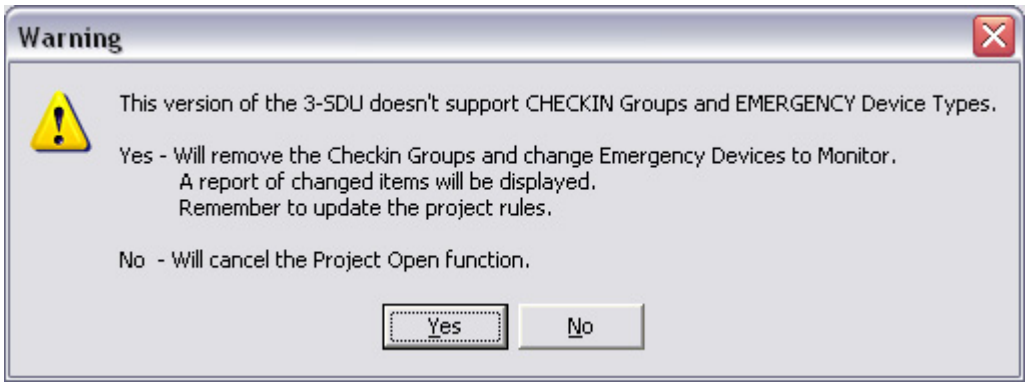
	3-CPU microcode versions									
LRM	**V1.52**	**V2.0**	**V3.0**	**V3.1**	**V3.2**	**V3.4**	**V3.5**	**V3.6**	**V3.7**	**V3.71 V3.72**
3-AADC	V1.4	V2.1	V2.1	V3.1	V3.1	V3.41	V3.41	V3.41	V3.41	V3.41
3-AADC1	V1.4	V2.1	V2.1	V3.1	V3.1	V3.41	V3.41	V3.6	V3.7	V3.71
3-ASU	V1.4	V3.4	V3.4	V3.4	V3.4	V3.4	V3.4	V3.4	V3.4	V3.4
3-EASC	---	---	---	---	---	V3.4	V3.4	V3.6	V3.6	V3.6
3-EADC	---	---	---	---	---	V3.4	V3.4	V3.6	V3.6	V3.6
3-MODCOM(P)	---	---	V3.0	V3.12	V3.12	V3.12	V3.12	V3.6	V3.6	V3.6
3-SAC	---	---	---	V3.4	V3.5	V3.5	V3.5	V3.6	V3.6	V3.6
3-SSDC	V1.52	V2.1	V3.32	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	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	V1.7
KPDISP	---	---	---	V1.4	V1.4	V1.4	V1.5	V1.6	V1.6	V1.6

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.

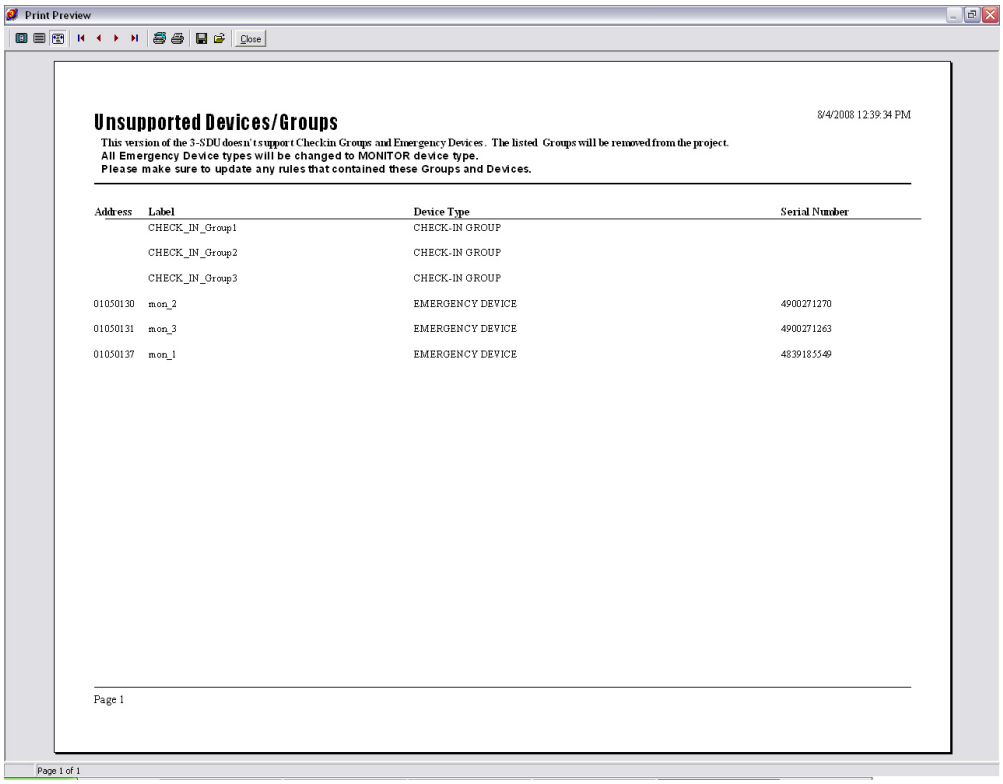
Figure 1: Check-In group warning message



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. V3.71 Microcode updates

8.1. 3-AADC1 V3.71 microcode

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

8.2. 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.

9. 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.

10. Running the 3-SDU

10.1. 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.

10.2. 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.

11. Microcode panel upgrade instructions

11.1. 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.

11.2. 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 3.72.
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.

11.3. 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 3.72.
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. 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 3.60 bootloader code to all nodes.

11.4. 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.

11.5. 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

11.6. 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.)

12. 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.

13. Language support

Table 5: Language Support

Language	US	Canada	Europe	Asia	Middle East	Australia
Chinese (Simplified PRC)				X		
Chinese (Traditional Taiwan)				X		
Dutch (Standard - Netherlands)			X			
English (Australia)						X
English (Britain)			X			
English (USA, Canada)	X	X	X	X	X	X
Finnish (Finland)			X			
French (Canada)	X	X				
German (Standard - Germany)			X			

Language	US	Canada	Europe	Asia	Middle East	Australia
Hebrew (Israel)	X				X	
Italian (Italy)	X		X			
Korean (Extended Wansung - Korea)				X		
Polish (Poland)			X			
Portuguese (Brazil)	X					
Portuguese (Standard - Portugal)			X			
Russian (Russia)	X		X			
Slovak (Slovakia)			X			
Spanish (Mexico)	X					
Spanish (Modern Sort - Spain)			X			
Turkish (Turkey)	X		X			
Swedish (Sweden)			X			
Greek (Greece)			X			
Croatian (Croatia)			X			
Czech (Czech Republic)			X			
Danish (Denmark)			X			
Hungarian (Hungary)			X			
Norwegian (Bokmal - Norway)			X			

Note: KPDISP provides a single layout for use in the markets and languages served by the American, European, Middle East, and Australian layouts.

13.1. Bilingual language character sets

When a primary/secondary language is selected, both languages must be supported in the same font table.

Table 6: Bilingual character sets

EST3 Code Page	Bilingual Language Sets
1250 (Eastern Europe)	Croatian, Czech, English, Hungarian, Polish, Slovak
1251 (Cyrillic)	English, Russian
1252 (Western Europe)	Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Portuguese, Spanish, Swedish
1254 (Turkish)	English, Turkish
1255 (Hebrew)	English, Hebrew

13.2. Printer code pages

The following table shows the DOS Code Page support required to have a printout in the local language. Since not all of Windows characters are available on the DOS printer, some characters may not be supported.

Table 7: Printer code pages

EST3 code page	Printer code page
936 (Chinese Simplified)	Windows Code Page 936 (GB)
949 (Korean)	Windows Code Page 949 (Extended Wansung)
950 (Chinese Traditional)	Windows Code Page 950 (Big 5)
1250 (Eastern Europe)	DOS Code Page 852
1251 (Cyrillic)	DOS Code Page 866
1252 (Western Europe)	DOS Code Page 850
1254 (Turkish)	DOS Code Page 857
1255 (Hebrew)	DOS Code Page 862

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.

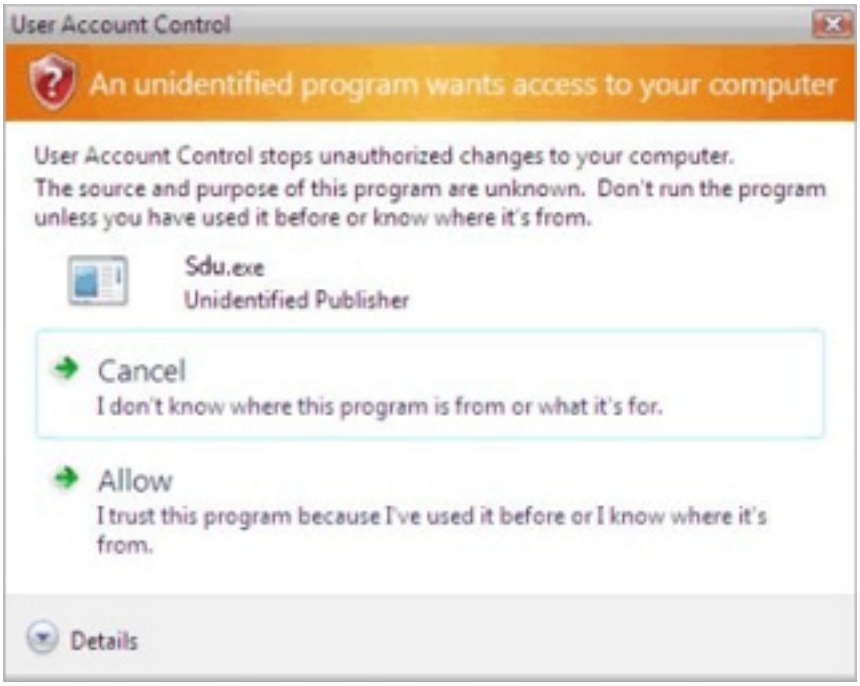
14.2. 3-ASU

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. Running on the 3-SDU on Microsoft Vista operating system

Some features in the 3-SDU require the program to be run with higher privileges in Vista's new Execution Level scheme. However, running at the higher privilege level currently results in the following screen being displayed.

Figure 3: User Account Control message box



This is displayed because the 3-SDU is not currently certified with electronic signature verification software. This issue will be remedied in the next release. In the meantime, select the Allow option to run your 3-SDU with full functionality.