



CADRA Version 2002Plus Service Pack 1 Release Notes

SofTech is pleased to provide you with this service pack for CADRA Version 2002Plus. This service pack includes a number of minor enhancements and corrections to the CADRA 2002Plus release. This document will describe how to install the service pack and briefly review the changes to CADRA.

This service pack can be installed on top of CADRA 2002Plus (2002Plus-020) only.

Added Support for Long File Names and Spaces in File Names

File name length has been extended to 255 characters on the Windows platform by this service pack. This means the name of a file accessed by CADRA can be up to 255 characters where this limit includes the file device, path, name and extension. Also file names can now contain spaces, ampersands (&) and brackets ([,]). Characters that cannot be used in file names on Windows include comma (,), quote ("), question mark (?), asterisk (*) and forward (/) and backward (\) slashes. The period character (.) is also not supported in file names with this release.

File names containing spaces are not yet supported in Translation Data Format (TDF) scripts.

Note that if you are saving out a CADRA database that you expect to be able to read into older versions of CADRA take care not to use a file name that the older version cannot read. Older versions of CADRA can only handle file names with paths of 80 characters or less (the file device, name and extension could cause the total specification length to be up to 145 characters) and that do not contain any of the newly supported characters mentioned above (spaces, ampersands, brackets).

Change to the behavior of Undo

The behavior of Undo has been changed when in the context of the Crosshatch and Move functions. It is now possible to undo a crosshatch or move operation without losing the entire context of the operation (e.g. not losing the selected boundary for the crosshatch). This restores the ability to correct crosshatch or move parameters and re-execute the operation with a minimum of mouse clicks.

Changed Backup File Parameterization Behavior

The ability to add backup file name parameters was added in the 2002Plus release of CADRA. The behavior of two of these parameters has been changed in this service pack.

When the %t parameter (indicating to add the current time to the backup file name) is used a new backup file will be created every time the backup time interval elapses and a new backup of the current database is written.

When the %n parameter (indicating to add the current open file name to the backup file name) is used the backup file name will be changed when a different file is opened in CADRA and the backup time interval elapses.

Plotting landscape plots to the system printer

The Plot function has been enhanced to allow plotting in landscape mode to the system printer from the CADRA GUI. To do this, specify a 90 degree plot angle when plotting in the CADRA GUI. This has always been possible in the Windows GUI.

CADRA Works Updated

The CADRAWorks software has been updated to include corrections for the following:

- CADRAWorks would not connect to SolidWorks if in SolidWorks you opened the model file via a mapped network drive.
- Using the Gen Sketch operation from CADRA to SolidWorks would sometimes result in a sketch that was oriented incorrectly.
- The Model Server now supports SolidWorks cosmetic threads. When the SolidWorks model contains cosmetic thread features they will now be accurately reflected in any drawing views created with CADRAWorks.

Globetrotter Licensing Changed

Globetrotter licensing has changed with this service pack. If you have licensed CADRA using its support for Globetrotter FLEXIm licenses you must get a new license from Softech in order to run CADRA after installing this service pack. Also if you are running the FLEXIm server you must replace it with FLEXIm License Server Version 8.1 kit 2.0 which is included on the service pack CD. Please call CADRA Customer Support at (800) 321-2372 for assistance.

Corrective Maintenance

This table lists the problems that have been addressed in this service pack.

CADRA SPR NUMBER	DESCRIPTION
53570	On Windows 2000 the behavior of the file open Retain Directory Settings option button has been fixed so that it retains the setting if set and does not retain the setting if unset.
54142	When using IMS rectangular selection the process of selecting the specified entities was taking much longer in the 2002Plus release than in prior releases.
54282	When files were translated out to the CCD format for CADRA databases containing cutouts with splines the files were causing Catia/Cadam Drafting to fail when reading the file.
54339	The File/Open and File/Save dialogs were being displayed incorrectly (chopped off) on French Windows 2000.
54359	The Compress/No Compress options were removed from the CADRA GUI File/Translate/CAD menu. They are not needed and were ineffective.
54465	The write of an IGES file from a CADRA database with external figures containing crosshatch entities was causing CADRA to fail with an "illegal group operation" error.
54467	A Figure/Insert Part operation to an older CADRA file (version prior to CADRA 9) after a Figure/Library operation caused a database corruption failure.
54478	Move of a large number of entities in 2002Plus was much slower than in previous versions of CADRA.
54484	Geometric tolerance within labels written out to DWG format does not behave correctly in AutoCAD.

54485	CADRA feature control symbols are not correctly maintained on a DWG round trip out of and back into CADRA .
54487	After entering a crosshatch entity and then hitting the Undo key the context for the crosshatch is lost requiring the user to reselect the crosshatch boundary.
54492	A specific DWG file caused an "Internal Software Failure" error when read into CADRA .
54495	It was not possible to print to the A0, A1 or A2 papersizes on the Windows system printer from the CADRA GUI.
54497	Multiple-Undo was becoming inactivated after a redraw error which can occur when attempting to zoom in and out a complex drawing.
54498	The file types array was not being correctly updated when installing 2002Plus if the format of the prf.sys file was not as expected. This caused failures in reading overlays and background translations.
54500	File open was not recognizing the capitalized .CAD file extension as being valid using the CADRA GUI.
54504	Attempt to save a specific CADRA file causes a software failure
54505	When using IMS rectangular selection the process of selecting and deleting the specified entities was taking much longer in the 2002Plus release than in prior releases.
54510	Move/stretch operations very slow
54523	Dimension added in a scaled view after an Undo/Redo of the geometry was incorrect.
54524	Undoing dimensions added to an inserted figure was erroneously leaving the user in the figure page.
54525	The CCD translator was not correctly interpreting variable text in a figure.
54528	Some CADRA GUI menu text for new options – particularly undo and redo – were too long in foreign languages.
54532	When CADRA wrote the prf.sys file it might sometimes leave extra data at the bottom of the file. This could cause failures due to erroneous redefinition of some variables.
54537	Round trip DWG write/read was losing a solid pattern cross hatch entity.
54540	The associative view active setting was remaining on after a File/New operation. This caused the multiple-Undo feature to be unnecessarily disabled in the new file.
54542	Write to IGES of DWG file was causing an "impossible geometry" error due to the mishandling of dimension arrow end conditions.
54544	Read of IGES file with dimension text missing a fractional denominator was causing an "impossible geometry" error in CADRA .
54545	DWG file write/read round trip caused failure in CADRA when reading due to the mishandling of dimension arrow end conditions.
54552	Some crosshatch boundaries were not being written out to the CCD format files.
54555	The font mapping (Parameter/Text Fonts/CADRA Font/Setup Font) function in the CADRA GUI was not correctly handling the deletion of a font mapping entry. Sometimes entry 19 would appear when another entry was deleted.
54556	After undoing the addition of a crosshatch entity some extraneous geometry was being created.
54561	Some of the IMS menu text was too long in the German version. The observed behavior was that the text appeared to change as the cursor was dragged through the text.
54568	Undo was being disabled after a rasterize operation using the CADRA GUI.
54569	Text in balloons was not centered when written out to a DWG file.
54582	After a CCD write/read round trip operation external figures were being incorrectly scaled.
54608	After undoing a Move/Stretch operation and changing the stretch parameters a second attempt to Move/Stretch did a simple translate instead of a stretch.
54612	The undo of a Move/Stretch operation would sometimes fail with an "illegal group operation" error.
54616	After undoing a Move/Copy operation and changing the translate offsets a second attempt to Move/Copy did a simple translate instead of a Move/Copy.
54620	Locked layer settings were being incorrectly maintained after a File/New operation instead of reinitializing their state as described in the user's profile.
54622	After adding two dimensions to an inserted figure the first Undo operation would erroneously leave the user in the figure/Show page.

Installing Service Pack 1 for CADRA Version 2002Plus

This Service Pack is designed to work with the Windows version of CADRA 2002Plus only. DO NOT attempt to upgrade any other version.

This Service Pack upgrades CADRA 2002Plus-020 to 2002Plus-035.

The Service Pack is distributed as a self-extracting zip file. There are two such service pack files of differing size:

- CADRA2002plussp1.exe contains NC images (size: 14.2 MB)
- CADRA2002plussp1nonc.exe does not contain NC images (size: 9.8 MB)

Verify that you are running version 2002Plus-020 by selecting Help/About CADRA... to display the About CADRA dialog box. The CADRA version number is shown in this dialog box.

Exit from CADRA after verifying that you are running the correct version and before continuing with this upgrade. If the machine you are upgrading is serving CADRA licenses, then you must also stop the FLM service.

If you downloaded the Service Pack (CADRA2002plussp1.exe) from the CADRA FTP site or the Softech bulletin board, the steps in performing the upgrade are:

1. Start an Explorer window if you do not have one open.
2. Make sure you have 25 MB of free space on the disk that holds your standard TEMP directory. For most users this is your C: drive. Using your mouse, right-click on the icon for this drive and select Properties from the menu. Explorer displays a dialog box that shows how much space is free.
3. Install the Service Pack by double-clicking on the downloaded Service Pack executable, CADRA2002plussp1.exe. When the self-extracting program starts, it displays a dialog box with three buttons: SETUP, CANCEL and ABOUT. Click the SETUP button to proceed. A dialog box opens and shows you where CADRA is installed. The upgrade is performed on the files in this directory.
4. A check box lets you have the update procedure create a backup of the replaced files in the event you wish to restore the previous version of CADRA. This box is checked by default. The backup files are placed in a subdirectory named save_old.sp\2002plus.2 under the CADRA directory. A message box lets you know when the update is complete.
5. Using Explorer, navigate to the directory where CADRA is installed and double-click Version.exe to verify that your version of CADRA is now Service Pack 1 compliant. Next, start CADRA and verify the version has been updated to 2002Plus-035 by clicking Help/About CADRA...
6. You may now delete the Service Pack executable, CADRA2002plussp1.exe, from its original download location as it is no longer needed.

If you obtained the Service Pack on CD the steps in performing the upgrade are:

1. Place the CD in the CD-ROM drive.
2. The setup program on the CD should start automatically. If it does not, then:
 - Start and Explorer window if you do not have one open.
 - Using Explorer, navigate to the CD-ROM drive.
 - Install the Service Pack by double-clicking Setup.exe.
3. A dialog box opens and shows you where CADRA is installed. The update is performed on the files in this directory.
4. A check box lets you have the update procedure create a backup of the replaced files in the event you wish to restore the previous version of CADRA. This box is checked by default. The backup files are placed in a subdirectory named save_old.sp\2002plus.2 under the CADRA directory. A message box lets you know when the update is complete.
5. Using Explorer, navigate to the directory where CADRA is installed and double-click Version.exe to verify that your version of CADRA is now Service Pack 1 compliant. Next, start CADRA and verify the version has been updated to 2002Plus-035 by clicking Help/About CADRA...
6. Remove the CD from the CD-ROM drive.

To restore CADRA to the previous version (2002Plus-020), first close CADRA if it is running. Then copy the files in the save_old.sp\2002Plus.2 directory under the CADRA root directory into the CADRA root directory.

If you have questions about this update call CADRA Customer Support at (800) 321-2372.

Platform Support

Service Pack 1 for CADRA Version 2002Plus has been qualified for the Windows platforms listed in the table below. The CD distributed with this update release contains software for all the following supported platforms.

Workstation	Operating System	Revision Level
Intel Pentium PCs	Windows XP Pro	All
Intel Pentium PCs	Windows 98	All
Intel Pentium PCs	Windows NT	4.0 with Service Pack 3 or higher
Intel Pentium PCs	Windows 2000	Service Pack 3

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