

STN Express® - Read Me

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Version 8.3

Thank you for installing STN Express, Version 8.3.

This document contains valuable information about installing STN Express, and lists of enhancements and fixes for this release and previous releases.

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Need more help?

Before using STN Express, you may find it helpful to use the following documentation found at:

<http://www.cas.org/support/stnexp/index.html>

- o Getting Started Booklet
- o Complete User Guide

STN Express also includes a Help system. Use the Help menu or press the F1 key.

Please call your STN Help Desk if you would like further assistance, or if you have comments or suggestions about STN Express. Help Desk phone numbers and e-mail addresses are contained in the STN Express documentation.

What's New in Version 8.3?

- o A new installer makes STN Express easier to install and maintain by installing software, support, and user data files in the Windows-standard locations.
- o A new function of the Select Discover Wizard called "Create L# from STN AnaVist" allows a fully functional STN L# to be generated from answer sets imported from STN AnaVist. This will also allow these imported answers to be sent to STN Viewer.
- o Support files that control such things as details of STN databases, fields, lexicons, and thesauri will now be automatically updated upon session login. Users are advised to keep automatic updating turned on in order to have the most up to date details within their copies of the support files. Please contact the STN Help Desk if you want to turn off automatic updating of support files.
- o The Select Discover Wizard window has a new streamlined look and feel:
 - The overall size of the window has been reduced to eliminate overlap with viewing the search session
 - The L# History Window has been expanded and scrollbars added to allow the search text to be visible.
 - Tabs have been added for [Search] and [Results] functions.
 - The option to [Hide] or [Show] these new tabs has been added.
- o Increased limits of structure drawing such as connection points.
- o Updated version of BLAST client.

What was new in Version 8.2?

- o STN Express, Version 8.2, is required to use the new product of STN Viewer.
- o STN Express, Version 8.2, is required to use STN AnaVist, Version 2.0, which will not work with earlier versions of STN Express.
- o STN Express, Version 8.2, allows users of STN AnaVist, Version 2.0, to:
 - a. Convert STN AnaVist .rkx file (V.1 – V1.1+) to .xta file (V.2.0+).
 - b. Create answer sets for visualization in STN AnaVist, Version 2.0
 - c. Display answers imported from STN AnaVist, Version 2.0, using the new STN AnaVist display Wizard.
 - d. Allow answers from the CA File to be included in the conversion of STN AnaVist .rkx file (V.1 – V1.1+) to .xta file (V.2.0+).
- o The "Get spectra" option in the STN Chemical Name Search Wizard has been enhanced to include new types of spectra.
- o Better sizing of the high resolution Proton NMR spectra images for STN Express windows.
- o Digital signing was added to the STN Express installer. This avoids the "Unknown publisher -- do you really want to install this" prompt during installation.

- o URLs have been updated to match new STN Web pages and Help menus.
- o Support the UTF-8 character set in displays and post-processing tools.
- o Better recognition of URLs that are made hyper-text clickable within displays and transcripts.
- o Please see the "Release V8.2, June 2007" section below for additional fixes made as part of this release.

Installation (Setup)

The following information applies to single-user and multiuser installations. For more information about network, multiuser installations, see 'Installing STN Express on a Network Server' below.

Upgrading to STN Express 8.3

It is recommended that you install STN Express, Version 8.3, to the location suggested by the installer. Starting with 8.3, STN Express will install the program software within the "Program Files" directory and user files will now be stored in an "STN Express 8.3" directory within each individual user's Personal Files folder - "My Documents" on XP and "Documents" on Vista.

For users upgrading from earlier versions:

- o All Express.ini files will be moved from the Windows directory to your user profile.
- o All personal files, such as transcripts, user scripts, structure queries, and command files will not be overwritten. They will, however, be copied to the new locations in "STN Express 8.3". That is, within your Personal Files (My Documents or Documents folder and the original files will be moved to backup directories within the previous installation directory.
- o The previous version will be uninstalled from your PC.

If you have made changes to scripts that were supplied with older versions of STN Express, you should take appropriate measures to save them in a different directory and with a changed name before running Setup. After setup completes you can compare the new and the old scripts and modify the new scripts if needed.

Windows Folder Permissions

The installer, setup.exe, needs to run with Administrator permissions.

It might be necessary for a Windows Administrator to install STN Express for you.

The installer needs to be able to copy files to the "\\Program Files" directory.

Prior to version 8.3, STN Express stored logon setups and preferences in .INI files in the C:\Windows folder. This is no longer the case and the .ini files are now created within an "\STN Express 8.3" folder within the user's Personal Files, e.g. C:\Documents and Settings\username\My Documents\STN Express 8.3\

The STN Express .INI files are:

EXPRESS.INI
STNACCT.INI
STNEDIT.INI
STNOCC.INI
STNPSI.INI
STNCONNECT.INI
STNTERM.INI

The STN Express Folder are:

\ANAVIST
\DATA
\MMS
\QUERIES
\TRNSCRPT
\USCRIPTS

Installation Steps

To install STN Express:

- o Run the Setup program from CD, if needed (___setup.exe); usually, the setup program will start automatically).
- o To install STN Express from a downloaded file, double-click the file and then click Setup in the WinZip Self-Extractor window.

We strongly recommend that you accept the default installation path. Follow the prompts to complete the installation. Although not mandatory, rebooting after installation is wise.

See the "Getting Started" booklet for further installation details. Note that some virus protection software significantly increases installation time of STN Express and that STN Express has many small text files. Consider disabling your virus protection software if this becomes a problem. STN Express software has been virus tested and the installer is digitally signed.

Uninstalling STN Express

To uninstall STN Express, go to Add/Remove Programs in your Control Panel. Choose STN Express from the list of programs and click Add/Remove. Only those files installed by the installation program will be removed.

Alternatively pick "Uninstall" from the start menu. All files will be removed as the parent folder gets deleted in a non-networked installation. i.e all user installs within their profiles will be removed, as will program files. Uninstall has to be run as administrator.

** Valuable user files should be backed up before uninstalling. **

Installing STN Express on a Network Server

The Setup program for STN Express offers special features for network installations. The following steps outline the procedures for Network Server and Network Client installations.

For upgrading from an earlier version, install the software and documentation using the process described below and notify users to run SETUP.EXE from the server to complete the update on each client PC.

Features and Limitations of installation

STN Express, the application and the Setup program, support the Universal Naming Convention (UNC) standard, e.g., \\SERVER\STNEXP. If mapped drive letters are used instead, the network share containing the STN Express applications must be mapped to the same drive letter each time the drive is mapped by the client PC. This is because the EXPRESS.INI file, stored on the client PC, contains specific path references to the server.

If STN Express V4, V5, V6, V7 or V8 is currently installed on a network server, users must run SETUP.EXE from the server to copy over new files in V8.3 to the client PCs. Prior client versions should be uninstalled before updating the client PCs to V8.3

The Setup program creates a control file on the server for Network Client installations. This control file, SETUP.INF, contains detailed information for creating the network user's STN Express environment.

Installing on a Network Server

To install the software on your server, first create a shared server folder for express and then run SETUP.EXE and choose the Network Server option from the Setup Type section of the Install STN Express! Setup dialog box. Next, select Setup Options:

Software - install the STN Express 8.3 software on the server.

Install software for BLAST(R) and MMS

Start Menu Item - Not available for server installations.

Click 'Install STN Express' to continue.

Enter the appropriate server folder; the default location is \\SERVER\PROGRAM FILES\STNEXP. It's best to specify a network path for this folder even if you are at the server and the folder is on a local drive because users will not have to type the path to the server when performing the client install. Specify the target folder into which STN Express will be installed; SETUP does not create a folder for the software within the folder you specify.

The server installer

1. Builds the STN Express folder structure.
2. Optionally installs BLAST (for use by the client installer).
3. Creates SETUP.EXE in the installation folder. This program should be

- run by users to perform client installs.
4. Does not create a Start Menu item.

It is recommended that all files residing on the server be write-protected.

Upgrading Users to 8.3

If you currently have clients running older versions of STN Express from the server,

1. Have each user uninstall the older client.
2. Each user must run the SETUP.EXE program from the server to update their local, client installations.

Changes to SETUP.INF

After the Network Server installation is complete, you may need to modify the contents of the setup control file for user installations. To do this, edit the file SETUP.INF located in the STN Express folder on the server. The following sections should be verified. Help is contained in SETUP.INF. [server] - Verify that the ServerSourceFolder= line contains the proper network path to the STN Express folder on the server. This lets the client installer locate the server installation. If the path will not be consistent across all client PCs (e.g., different clients use different drive letters), use a UNC name or leave the keyword with no value ("ServerSourceFolder=").

This line CANNOT end with \, e.g., "I:\". This will cause problems with the STNCONNECT.EXE application. Instead, use "I:".

Network Client

Each user of STN Express should run SETUP.EXE from the STN Express installation on the server. Simply select the Network Client option from the Setup Type section of the Setup dialog box.

Depending on how the Server installation was done and whether SETUP.INF was modified, a text box contains the path of the server's STN Express folder. If the box is blank or the path is incorrect, type the correct path or use the browse function to locate the folder. The SETUP.EXE program located on the CD-ROM may be used instead of the server's SETUP.EXE, but the path to the server installation must be typed into the text box.

Click 'Install STN Express' Type the local location of the STN Express folder (C:\Program Files\STNEXP). Enter the appropriate storage location on the local PC in the following dialog box. The Setup program will then build the local STN Express environment. Any errors during the installation indicate that the Setup program cannot find the STN Express folder on the server. Please verify the path.

The client installer will create the local STNEXP folder structure with uninstall.inf, setup.log and uninstall.exe

Suppressing Automatic Notifications and Updates

New automatic updating of support files that control such things as details concerning STN Files, fields, lexicons, and thesauri has been added to V8.3. Users are advised to keep automatic updating turned on in order to have the most up to date details within their copies of the support files. Please contact the STN Help Desk if you want to turn off automatic updating of support files.

The following method started in 6.0b release will still apply and will allow system administrators to turn off update and upgrade notifications.

It is possible, starting with maintenance release 6.0b, to suppress the automatic notifications for new maintenance releases or the Discover! Database list (discover.fil file).

To disable software upgrade version notification, add a line to the [STNTERM] section of the STNTERM.INI file found in the "STN Express 8.3" Personal Files folder that looks like this:
DisableSWUpgrades=1

To disable discover.fil change notification, add a line to the [STNTERM] section of the STNTERM.INI file that looks like this: DisableFileUpgrades=1

To change back to the default setting, either change the 1 (one) to a 0 (zero) or delete the line(s) entirely.

Known Issues

o Tables (*.tbl files) and Reports (*.rep files) created in newer versions of STN Express may be unusable in older versions of STN Express.

o For transcripts, tables and reports: When abbreviations are expanded such that they force a new line, the indentation may not be consistent with the original lines.

o For transcripts, tables and reports: Hit terms without leading blanks (start of line) are not highlighted.

o For transcripts, tables and reports: Abbreviation expansion fails when a standard CAS-abbreviated term is both highlighted AND at the beginning or end of a line.

o Apparent Patent Number links can appear for numbers that are clearly not patents.

o If the STN Online and Results applications (STNTERM.EXE) is closed while BLAST(r) is running, the BLAST application will also terminate. Restart BLAST to reconnect to any processes or searches that are running.

o Certain tabular STN displays that do not have clear field tags and are left justified are not supported by the table and report functions. Notable formats include the CBIB and delimited (DALL, DBIB, etc.) formats and tabular formats from DRUGPAT, e.g., CCTAB, COTAB, CYTAB, and IDETAB.

o Transcripts captured in TRN format and exported to RTF will not contain the structure attributes of any uploaded structures. Transcripts captured as RTF are unaffected.

o Transcripts captured in RTF format that contain structures are problematic when the "Hit Structure" preference is turned on. It is recommended to turn off the preference of "Hit Structure" when capturing transcripts to RTF format. This problem is especially true for STN File MARPAT.

o There is currently no preference to automatically launch your browser when saving reports or tables as HTML.

o Transcripts in .trn format do not print in color, although reports and tables will. To print a transcript in color, save it as an RTF file. Microsoft Word can then be used to print the transcript in color or black & white.

o Certain CAPLUS patent records that contain no family information (<0.5% of all patent records) do not highlight hit terms in the Patent Information (PI) field in the same way as other patent records, i.e., instead of displaying an arrow to the right of the line containing the hit term, they highlight the actual term with a color change or bolding depending on your settings. Reports and tables that contain the PI field from such records, if hit-term highlighting is on, will display incorrect highlighting and some incorrect data formatting. In some cases, the STN Online application may quit. If you encounter this situation, either turn highlighting off in the report or table tool or redo the transcript with highlighting turned off online. If you encounter this problem in Predefined Reports, you should either turn off highlighting when capturing your transcript, edit the transcript to remove highlighting before creating your predefined report, or save your predefined report as RTF and edit the report to fix highlighting. Improvement is expected in the future.

o Table Autofit does the best job it can depending on the type of data you are working with and your page set-up requirements. The data from certain fields, mostly the Patent Information field, display in STN as a table and the table tool is forced to put a table within a cell. In all cases, you can adjust column widths simply by putting your cursor over the column line and dragging it to the desired position. Also, if you have too many columns for the width of your page, try reducing the margins and/or the font size if you can't reduce the number of fields.

o When doing an R-Group Analysis, sometimes the application is not able to determine the largest common structure and will display the message "The common substructure could not be determined". This can happen when you let the application determine it. In some cases it can happen even if you use the original structure query.

o R-group tables that appear to hang or not load properly may be corrected by adding the value "RingDropout=2000" to the stnpsi.ini file located in "STN Express 8.3" within your Personal Files folder. This value should be added without quotes after the [PSI] section of this file.

o It is possible that an uploaded protein sequence file that contains a special character (such as an asterisk or question mark to note a gap or repeat of residues) followed by a carriage control can be truncated. Therefore, it is imperative to verify the accuracy of the sequence upload file.

o When using the table and report tools for post-processing of STN results, it is important to always verify that all requested answers and fields were included in the generated table or report. Changes to individual databases or fields as well as system changes occurring after

the release of the current STN Express version can occasionally cause answers or fields to be unknowingly excluded from the report or table.

Fixes in Release V8.3, January 2008

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Improvements in Tables and Reports:

1. Fixed highlighting of patent info to not crash tables. (P2104362, P2115466)
2. Improved tables containing graphics. (P2113936)
3. Improved limiting of answers in content section of tables. (P2105744)
4. Fixed tables created from rtf transcripts to not repeat Japanese characters. (P2114307)
5. Fixed IP patent numbers to appear in PN rather than in PK Kind Code column of tables. (P2118513)
6. Include ED field in R-Group Analysis Tables. (P2117738)
7. Fixed crash when selecting XSS while making a BLAST report. (P2091236)

Improvements in Transcripts:

1. Fixed run away highlighting in transcripts. (P2115482)
2. Fixed full-text links to work when clicked in rtf transcripts. (P2115500)

Miscellaneous Improvements:

1. Added "Prepare Command File" icon to the main tool bar. (P2112563)
2. Added a tooltip with the icon name near the cursor When "mousing over" a button or icon. (P2072393)

Fixes in Release V8.2, June 2007

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Improvements in Tables and Reports:

1. Improved interaction between Table Tool for large transcripts. (P2097792, P2099208)
2. Corrected the conversion of Japanese (greater than or equal to) character as it entered Excel from STN Express.
3. The Report Tool now works with latest WPI data in RTF (rich text format). (P2102938)
4. Added new error message to Report Tool when required fields are not provided by customer. (P2074831)

5. Improved speed of opening up Microsoft Excel (P2075099)

Improvements in Transcripts:

1. Fixed RTF transcripts to import TIFF images. (P2101842)

Miscellaneous Improvements:

1. Improved the structure drawing window's interaction with repeating chain ranges. (P2101348)

2. Fixed the display of input characters for the first STN command line after logging in. (P2103093, P2103641, P2104306)

3. Fixed cancel button during Save for STN AnaVist (P2099604)

4. Improved the SSL-VPN login process. (P2098806)