

STN Express - Read Me

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STN Express[®], Version 8.6

Thank you for installing STN Express, Version 8.6.

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 review the Getting Started documentation found at:

<http://www.cas.org/products/stn/express-software/doc>

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

Please call your local 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 STN Express, Version 8.6?

- STN Express, Version 8.6 is compatible with Windows 10
- Support for **PatentPak**[®] features
- Support for UV Visible Spectra when data becomes available in 2016
- Removal of support for STN[®] Viewer[™]

What's New in STN Express, Version 8.5.2.1?

- Structure searching with G-groups enhanced
- Handling of file path names with special characters improved
- Enable easier MMS Viewer searching
- Performance of right mouse click menu in structure editor improved

What's New in STN Express, Version 8.5.2?

- STN Express, Version 8.5.2 is compatible with Windows 8
- A new Change Password wizard will help you select a password that meets the password rules. (This wizard will be enabled at a later date.)
- The Create and Edit SDI Wizards have been updated to support RSS Delivery
- The Property and Spectra Wizards have been revised
- The maximum memory available to CAS REGISTRY BLAST[®] has been increased
- "Transcript name" is now a selectable field in the Table Tool

What's New in STN Express, Version 8.5.1?

- Data from new databases AUPATFULL, CANPATFULL and CNFULL are now recognized by Tables and Reports.
- Viewing of large structure images via proxy server is now compatible with SSL-VPN access.

What's New in STN Express, Version 8.5?

- A new option in the Patent Family Manager allows you to streamline the Multiple Basic Patent content from CASM/CAplusSM answer sets.
- The Save Answers for SciFinder wizard now allows users to transfer answers from STN Express to the Web version of SciFinder® for improved workflow support and enhanced communication between information professionals and scientists.
- Table and report post-processing functionality has been updated to allow parsing of the new assembled MARPAT FQHIT, QHIT, FQHITEXG and QHITEXG display formats.
- MEDLINE® cited references now hyperlink to the relevant MEDLINE record.
- STN Express security further enhanced through default RSA encryption of sessions.

Installation (Setup)

The following information applies to single-user and multiuser on single computer installations.

Installing STN Express must be done under a Windows Login ID that has administrator privileges.

Both the MSI installer (v8_6msi.exe) and the Classic installer (v8_6.exe) are compatible with all supported versions of Windows.

New Installation of STN Express, Version 8.6:

Installing STN Express for the first time, or installing on a new computer that does not have an older STN Express version:

You may use either the MSI installer (V8_6msi.exe) or the Classic installer (v8_6.exe). Start the installer and follow the prompts.

STN Express, Version 8.6 installs the **program files** to:

- 32-bit systems: C:\Program Files\STN Express 8.6
- 64-bit systems: C:\Program Files (x86)\STN Express 8.6

Files that are specific to or created by each User (**User Files**) are stored within each individual user's Personal Files folders

- XP: "My Documents\STN Express 8.6"
- Vista: "Documents\STN Express 8.6"
- Windows 7: "My Documents\STN Express 8.6"
- Windows 8 and 8.1: "Documents\STN Express 8.6"
- Windows 10: "Documents\STN Express 8.6"

The personal folders are created the first time that each user runs STN Express 8.6.

Upgrading from STN Express, Version 8.4, 8.5, 8.5.1, 8.5.2 or 8.5.2.1:

Installing STN Express, Version 8.6, on a system that currently has any supported release of STN Express installed:

You may use either the MSI installer (v8_6msi.exe) or the Classic installer (v8_6.exe). Start the installer and follow the prompts.

STN Express, Version 8.6 will create a new installation as described above in "New Installation":

- Login Setups, User Preferences, and personal dictionaries will be copied from your existing STN Express installation.
- No changes will be made to your existing STN Express installation. The Program Files and your User Profile entries in My Documents (or Documents) will be left intact.

If you edited the paths to your User Files [Transcripts, Queries, Uscripts or AnaVist] of your existing STN Express and want to use the same folders for STN Express, Version 8.6:

- Start STN Express, Version 8.6
- Go to Prefs | General tab and edit the paths to match those that you set for your existing STN Express installation.

For example, if you are using folders on a mapped drive, e.g. Z:\Documents\transcripts\ in STN Express 8.4, you will need to edit the Transcripts path for STN Express 8.6 after starting STN Express 8.6 for the first time.

To remove your existing STN Express installation from your computer, open the Control Panel and select **Programs, Programs and Features**, or **Add/Remove Programs** and perform an uninstall. Your \Documents\STN Express 8.x folder will not be removed. You may keep that as backup or manually delete the STN Express 8.x folder.

Windows Folder Permissions:

The installers must be run with Administrator permissions. It might be necessary for a Windows Administrator to install STN Express for you.

The installer must be able to copy files to the "\Program Files" folder, and must be able to register the STN Express Excel Add-In.

The STN Express *.ini files and folders are in an "\STN Express #.#" folder within the user's Personal Files, e.g. \My Documents\STN Express 8.6\

- **Files:**
 - EXPRESS.INI
 - STNACCT.INI
 - STNEDIT.INI
 - STNOCC.INI

- STNPSI.INI
- STNCONNECT.INI
- STNTERM.INI

- **Folders:**
 - \ANAVIST
 - \DATA
 - \MMS
 - \QUERIES
 - \TRNSCRPT
 - \USCRIPTS

Installation Steps:

To install STN Express:

- Close all unneeded programs. You must close all instances of STN Express and Microsoft Excel and Outlook.
- Installing after a reboot is not mandatory but it is preferable.

Installation from the STN License and Download site:

<https://casweb.cas.org/stnexpress/html/english/login.html>

- Download either the ".msi" installer (v8_6msi.exe) or the Classic ".exe" installer (v8_6.exe)
- Double-click the installer executable to start the install.
- Follow the prompts.

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

See the "[Getting Started](#)" guide online 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 installers are protected with a digital code-signing certificate.

Uninstalling STN Express

Uninstall must be run as administrator.

To uninstall STN Express:

- Open the Control Panel
- Select **Programs and Features**, or **Add/Remove Programs**
- Select STN Express 8.x, and then click "Uninstall".
- Only those files created by the installation program will be removed.
- User Files are not removed by the uninstall routine; however, valuable user files should be backed up before uninstalling.

Support Files

STN Express includes support files that define such things as details of STN Files, display fields, lexicons, and thesauri. These support files can be updated automatically or manually. Reports and Tables may not work correctly with outdated support files.

Automatic Updating of Support Files

By default, STN Express will automatically detect available updates and, when available, download and update support files. This is the recommended option because it ensures that the most current versions of the support files are always available.

Automatic updating can be turned off during installation by de-selecting the preference for automatic updates.

After installation, automatic updating can be controlled by a setting in the Preferences | Other tab.

Manual Updates of Support Files / Email Notifications

If you or your IT staff disabled automatic updating of support files, you can ask to be notified by e-mail when updates are available (approximately four times per year). Log into the [License and Download](https://casweb.cas.org/stnexpress/html/english/login.html) site (https://casweb.cas.org/stnexpress/html/english/login.html) and select "E-mail Alerts for New Support File Changes".

When new support files are available, they can be downloaded from the License and Download site and installed manually. Go to the [License and Download](https://casweb.cas.org/stnexpress/html/english/login.html) site for more information. (https://casweb.cas.org/stnexpress/html/english/login.html)

Known Issues

- Tables (*.tbl files) and Reports (*.rep files) created in newer versions of STN Express may be unusable in older versions of STN Express.
- 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.
- For transcripts, tables and reports: Hit terms without leading blanks (start of line) are not highlighted.
- 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.
- Apparent Patent Number links can appear for numbers that are clearly not patents.
- If the STN Online and Results application (STNTERM.EXE) is closed while BLAST® is running, the BLAST application will also terminate. Restart BLAST to reconnect to any processes or searches that are running.
- 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 some tabular formats.
- When processing a transcript that is in RTF format, Tables/Reports can't reliably distinguish structures from other images, and therefore the user preference to "Split Hit Structures from graphics in reports and tables" may not be honored. We recommend turning that option off in this case.
- There is currently no preference to automatically launch your browser when saving reports or tables as HTML.
- 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 read 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.
- Table Auto fit 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.

- 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.
- 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.
- 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.
- While trying to establish a connection using SSL-VPN, the Session Manager contains the following warning message - "Cannot read Internet Settings windows registry key. Please talk to your system administrator." This warning will be presented if an automatic configuration script is used to identify the proxy server for Web browsers. The SSL-VPN Session Manager does not support configuration scripts.
- Newer "dot-dot" strings do not DISPLAY in their expanded form. For example ".acte.e."
- We recommend that user selected values in STN Express report templates, including any user set value for number of patent/application/priority rows per answer, be verified each time the template is used to ensure it is appropriate for the current situation.
- When a node is added to the structure drawing tool and attributes are assigned to it, if this node is later replaced by a different node, in some cases the new node may retain the attributes previously assigned to the first node. Always verify structure queries to ensure accuracy before searching.
- Reference to outdated SPECINFO file.

Fixes in STN Express, Version 8.6, January 2016

1. PNG images in SDI RTF files do not appear in Table (*.tbl) reports (Defect #3515).
2. Some IALL data from USPATFULL missing from Table (*.tbl) reports (Defect #3519).
3. STN Online and Results window crashes while creating a Predefined Report involving a large CAPLUS record (Defect #3520).

Fixes in STN Express, Version 8.5.2.1, May 2014

1. Structure goes through unnecessary G-groups orientation (Defect 2916)
2. Online and Results window experiences random hangs, crashes and cannot display graphics from a *.gra file when file path contains special characters (Defect 2873)

3. Right mouse click menu stutters and is slow in editor (Defect 2920)
4. MMS Viewer fails to launch (Defect 2846)

Fixes in STN Express, Version 8.5.2, November 2013

General Improvements:

1. Files no longer available on STN have been removed from the interface (Defects 2422, 2575, 2649, 2682, 1983, 2637)
2. The Wizards for Spectra and Properties have been updated to use the available STN Files (Defects 2666)
3. Wizards have been added for the new Boron, Nitrogen and Oxygen spectra (Defect 2744)
4. The STN AnaVist button on the main toolbar now launches STN AnaVist on Windows 7 (Defect 2579)
5. A *.trn transcript can now be printed with both bold font and color (Defect 2534)
6. Express no longer crashes with very long transcript paths (Defect 2535)
7. Obsolete options to convert an STN AnaVist .rkx file and Save for the SciFinder client have been removed (Defects 2662, 2663)
8. Obsolete menu items have been removed (Show Clipboard, TOC SDI Wizard, Update Discover! Database List) (Defects 1551, 2737, 2738)
9. Obsolete options have been removed (old host names, Kermit image download) (Defects 2408, 2619)
10. The Upload Sequence wizard now correctly translates 3-letter codes (Defect 2523)
11. Several problems with display were resolved (Defects 2319, 2416, 2655, 2201)
12. Two situations that caused crashes have been fixed (Defects 2643, 2626)

Improvements in CAS Registry BLAST(R):

1. The maximum memory available to CAS Registry BLAST(R) has been increased to 128M (Defect 2584)
2. Compatibility issues with Windows 7 and newer have been resolved by using Java 1.7.0_21-b11 (Defect 2653)

Improvements in Tables and Reports (T-R):

1. Several situations which caused crashes have been resolved (Defects 1417, 1447, 2427, 2570, 2588, 2624, 2714)
2. Transcripts from STN on the Web containing "hit structure assembled" in MARPAT are now handled correctly (Defect 2538)
3. Several situations which caused extraneous characters to be added to a table have been resolved (Defect 2587, 2625)
4. Edit Table (Report) now opens the tool to the correct tab (Defect 2751)
5. Various fields are now handled correctly (Defects 2316, 2478, 2481, 2678, 2684, 2684, 2718, 2726, 2755)

Improvements to the SDI Wizards:

1. The SDI wizards now support RSS as a delivery option (Defects 2346, 2736)
2. Several obsolete options were removed from the SDI Edit Wizard (Defect 2742)
3. The SDI wizards now correctly update the SDI options (Defect 2644)
4. When editing a component of a Multi-File SDI, the Edit SDI Wizard now reminds the user that the Delivery options must be set in the General Parameters component of the SDI (Defect 2373)

Improvements to Structure Drawing or Reaction Drawing:

1. When a reaction scheme is copied/pasted using the icons, modifying the pasted instance no longer changes the original instance (Defect 2704)
2. Right-clicking on bent reaction arrows now provides the same options and actions as straight arrows (Defect 2701)
3. Bent reaction arrows can now be deleted from the middle (Defect 2703)
4. "Undo" now works with reaction arrows (Defect 1256, 2711)

Improved Handling of Delocalized Charges

1. All charges from a delocalized charge assignment will be deleted when the structure containing them is deleted (Defect 1143, 2725)
2. A case in which a delocalized charge could not be deleted has been fixed (Defect 2725)

Improved Handling of Templates

1. Copy/Paste of templates no longer issues warning messages (Defect 2712)
2. The preview of templates will now show only the structure, making them easier to comprehend (Defect 2713)

User Interface Improvements

1. Several menu and window labels were updated for consistency (Defects 1390, 1132)
2. Structure drawing now reminds customers to verify the results when importing/exporting to/from file formats other than STR (Defect 2729)
3. The current drawing preferences now override preferences saved with a structure (Defect 2466)

Display Improvements

1. A situation in which a chain node is incorrectly labeled "ring" has been fixed (Defect 2719)

Miscellaneous Improvements

1. Situations which incorrectly turned on global ring isolation have been fixed (Defect 2612, 2613)
2. Variable group node attributes are now reset when a bond is drawn both to and from certain nodes (Defect 2496)
3. All POA @ signs will move or be copied when the structure containing them is selected (Defect 1133)
4. If an isolated even-membered ring contains an N-Y, Q-Y, or A-Y bond, all bonds in the ring are now set to exact/norm (Defect 2464)

5. Three shortcuts (O-C6H4, M-C6H4, P-C6H4) that created unexpected results are now blocked from being used (Defect 2610)

Stability Improvements

1. Adding a charge higher than 8 no longer closes Structure Drawing (Defect 2672)
2. Situations in which import/export of files caused Structure Drawing to close have been resolved (Defects 2720, 2727)

Fixes in STN Express, Version 8.5.1, May 2012

Improvements in Tables and Reports (T-R):

1. Data from new databases AUPATFULL, CANPATFULL and CNFULL are now recognized by Tables and Reports.
2. Various fixes to parsing of content for Table and Report fields (P2164858).
3. Tables and Reports now have the strategy section (P2167584).
4. Predefined Report has been improved (P2168379).

Other Program Improvements

1. Viewing of large structure images via proxy server is now compatible with SSL-VPN access (P2168346).
2. STNTERM window is stabilized for records with tags (P2167736, P2167910, P2168416, and P2166372).
3. Accounting notification is improved for Get Related Polymer function (P2166699, P2168272).
4. Structure drawing window stays on one monitor when maximized (P2168120).
5. Structure query text tool can now contain more text (P2145475).
6. Analyze Plus wizard now uses PY.B, as it had previously, instead of PY (P2164844).

Fixes in STN Express, Version 8.5, August 2011

Improvements in Support of Office 2010:

1. The Analyze-Plus Wizard is now compatible with Excel 2010.
2. Other aspects of compatibility with Office 2010 have been improved.

Improvements in Tables and Reports (T-R):

1. Fixed a case in which certain Abstracts were truncated in a Report. (P2098088)
2. The size of some Reports has been reduced by removing extra blank lines surrounding HIT Structures. (P2148065)
3. Each answer in a Report now has a link back to the corresponding row in the Answer Summary. (P2148063)
4. The TI, AN, and PI fields will display correctly when using the patjourn.prf template in a Custom Report. (P2150378)
5. Custom Reports now handle the PNK field. (P2155832)
6. The User Preference to "Export graphics to single Excel Cell" is now honored under all circumstances. (P2116265)
7. Improved Table Tool handling of handling Property Data. (P2121743, P2137361)

8. The Table Tool now wraps long chemical names more efficiently. (P2147732)
9. The link to the "Top" of a Table will work after sorting even when "Row" is the first column of the table. (P2149860)
10. Export to Excel will send up to the Excel maximum (32,767) number of characters to each cell. (P2152727)
11. Custom T-T now remembers the last template used and suggests it as the default. (P2133270)
12. The stability of the Table and Report tools has been improved. (P2146833, P2147730, P2149003, P2153977, P2153590)
13. Patent Information with German headings from PATDPAFULL is now included under the equivalent English headings. (P2148111)
14. The Selected Fields in T-R will now stay in the correct order if the Answer field is removed. (P2150035, P2151150)
15. The COPYRIGHT field is now populated correctly when creating a T-R from an SDI. (P2154024)
16. Text is no longer included in the GRAPHICS field when a CHEMCATS records is used in a T-R. (P2160047)
17. A problem creating a Table or Report from certain extremely large transcripts has been fixed. (P2162116)
18. T-R does a better job of ignoring data that is not part of display. (P2147608)
19. A problem causing T-R to be truncated when "Export report directly to file" was selected has been resolved. (P2128317)

Structure Drawing Improvements

1. The Structure Drawing Text Tool allows more than 12 characters to be entered and displayed (P2145475)
2. Structure Drawing will display an error message if
 - a. a GK definition contains a GK which in turn is defined with fragments, or
 - b. the orientation of G-group fragments has not been specified.(P2145842)
3. Structure drawing now allows a lone GK node to pass verification and generates connection information to connect the GK node to the POA fragments in its definition. (P2151380)
4. Structure drawing now correctly handles the match level for a GK node which isn't in the main connection table. (P2152631)
5. Structure drawing no longer crashes when you hover the Q tool over a G group. (P2154473)

Improvements in Exporting Transcripts

1. A transcript exported to RTF will be highlighted correctly even when expanded abbreviations, symbols and highlighting characters make a transcript line very long. (P2157036)
2. Fixed a problem that caused run-away highlighting and truncated the transcript when the transcript was exported to RTF. (P2152146, P2153697)

Improvements in Query Upload

1. Improved user interaction for uploading a structure query with filters under Windows 7 operating system. (P2160746)
2. STN Express now displays a clearer error message when the upload of a structure query fails because of a missing STR file. (P2160815)
3. A properly formatted protein sequence query with 3-letter codes will be converted to 1-letter codes prior to uploading. (P2155976)

Improvements in Wizards

1. Analyze Plus will no longer send Excel more 3D data points than it can handle. (P2118117)
2. Analyze Plus now handles more variations (including longer fields) in the data. (P2130577, P2154654)
3. Analyze Plus will adjust the amount of data it sends to the capacity of the installed version of Excel.
4. The Analyze Plus Data Grouping Tool has been improved. (P2135168)
5. Messenger error messages shown during Analyze Plus are now shown to the user. (P2147365)
6. The LD50 Property Wizard now uses the correct search strategy in the RTECS and MRCK files. (P2146602)

Other Program Improvements

1. User interaction in the file chooser has been improved. (P2148792)
 2. File names with adjacent blank characters are now allowed. (P2148798)
 3. "Check command file" will no longer crash if the Messenger commands in the script don't begin with "=>". (P2149372)
 4. The User Preference "Reduce CPU Usage When Online" is now honored in more situations. (P2098160)
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