

Operations Manual for StreetSync, a Module or ATMS

Ver 5.x



522 Gillingham, Sugar Land Texas 77478

Local Phone: (281) 240-7233

US & International: (800) 953-7258

Fax: (281) 240-7238

© Copyright 2023 Cubic | Trafficware, All rights reserved.

Terms of Use Agreement

USE OF THIS SOFTWARE MANUAL IS SUBJECT TO THESE TERMS OF USE.

Agreement

Please read this *User Agreement* carefully before using the information provided in this *Manual*. This Agreement explains the terms and conditions governing the use of this *Manual* ("Terms of Use"), and it is your responsibility to read and understand them. By using the *Manual* you expressly agree to be bound by these *Terms of Use* and to follow them as well as all applicable laws and regulations governing the *Manual*. If you do not agree to be bound by these *Terms of Use*, you may not access or use this *Manual*. Trafficware reserves the right to change these *Terms of Use* at any time, effective immediately upon posting the *Manual* from our company website. By continuing to use the *Manual* after we post any such change, you accept the revised *Terms of Use*. If you violate these *Terms of Use*, Trafficware may terminate your use of the *Manual*, bar you from future use of the *Manual*, and take appropriate legal action against you.

Permitted Use

You agree that you are only authorized to read, view and retain a copy of pages of this *Manual* for your own personal use, and that you will not duplicate, download, publish, modify or otherwise distribute the material on this *Manual* for any purpose other than to review product information for personal use or the use of a government or non-profit organization.

No Commercial Use

Users may not use this *Manual* for any commercial purposes such as to sell merchandise or services of any kind. You must obtain our prior written consent to make commercial offers of any kind, whether by advertisements, solicitations, links, or by any other form of communication. Trafficware will investigate and take appropriate legal action against anyone who violates this provision.

Copyright

All content included on this *Manual*, including text, graphics, logos, icons, images, and software is the property of Trafficware, or its content suppliers and is protected by United States and international copyright laws. This compilation (that is, the collection, arrangement and assembly) of all content on this *Manual* is the exclusive property of Trafficware and is protected by U.S. and international copyright laws. Trafficware reserves the right to revise the pages of the *Manual* or withdraw access to them at any time.

Trademarks

The logo and trademarks that appear throughout the *Manual* belong to Trafficware, its affiliates or third party trademark owners, and are protected by U.S. and international trademark laws. Without express prior written permission, you may not display or use in any manner, the logos or trademarks. Nothing in this *Manual* shall be construed as granting any license or other right to the intellectual property or other proprietary rights of Trafficware, its affiliates or any third party, whether by estoppels, implication or otherwise. All contents of the *Manual* are: © Copyright 2023 Trafficware or its licensors. All Rights Reserved.

Disclaimer of Warranty

YOU UNDERSTAND AND EXPRESSLY AGREE THAT YOUR USE OF THE MANUAL AND THE INFORMATION FOUND THERE IS ENTIRELY AT YOUR RISK. TRAFFICWARE AND ITS AFFILIATES AND LICENSORS MAKE NO WARRANTIES OR ANY REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF TITLE OR NON-INFRINGEMENT OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OR OTHER VIOLATION OF RIGHTS IN RELATION TO THE AVAILABILITY, ACCURACY, VALIDITY, COMPLETENESS, RELIABILITY OR CONTENT OF THESE PAGES AND/OR THE MANUAL. TRAFFICWARE SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, LOST PROFITS OR FOR BUSINESS INTERRUPTION ARISING OUT OF THE USE OF OR INABILITY TO USE THIS MANUAL, EVEN IF TRAFFICWARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. TO THE MAXIMUM EXTENT PERMITTED BY LAW, YOU HEREBY RELEASE AND FOREVER WAIVE ANY AND ALL CLAIMS YOU MAY HAVE AGAINST TRAFFICWARE, ITS AFFILIATES AND LICENSORS FROM LOSSES OR DAMAGES YOU SUSTAIN IN CONNECTION WITH YOUR USE OF THE MANUAL. SOME JURISDICTIONS DO NOT ALLOW EXCLUSION OF CERTAIN WARRANTIES OR LIMITATIONS OF LIABILITY, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THE LIABILITY OF TRAFFICWARE WOULD IN SUCH CASE BE LIMITED TO THE GREATEST EXTENT PERMITTED BY LAW.

Applicable Law

These *Terms of Use* and all legal issues related to the *Manual* shall be governed by the laws of the State of Texas, without regard to conflict of laws principles. You agree that any dispute involving these terms of use or this *Manual* will be heard in a court with jurisdiction in Fort Bend County, Texas. You further agree that the prevailing party in any legal action will be entitled to recover its reasonable attorney's fees incurred in connection with that action. If for any reason a court of competent jurisdiction finds any provision of these Terms of Use to be unenforceable, the remaining terms will continue in full force and effect.

Entire Agreement

These *Terms of Use* are the final and entire agreement between you and Trafficware with respect to this subject and replace any and prior or contemporaneous understandings or agreements, written or oral, regarding the subject matter. Any waiver of any provision of these Terms of Use shall be effective only if in writing and signed by an authorized representative of Trafficware.

Table Of Contents

Table Of Contents	3
Introduction	5
Purpose	5
Product Scope	5
Overall Description	5
Product Perspective	5
Product Functions	5
Operating Environment	6
Traffic Controller Support	6
StreetSync Versions	6
<i>StreetSync Solo</i>	6
<i>StreetSync Enterprise</i>	6
Database structure	6
<i>Permanent File</i>	6
<i>Upload File</i>	7
Installing StreetSync	8
Starting StreetSync	15
Quick Action Tool Bar	15
Selection Drop-Down Menu	17
<i>New City/Jurisdiction</i>	17
Viewing all City/Jurisdictions	19
Switch to another City/Jurisdiction	19
<i>File Properties</i>	21
<i>Open File Location</i>	21
Options Menu	23
Configuration	23
ATMS	23
RS-232	24
Ethernet (Available for Controllers using Patriot [V76.x] or Scout [V85.x] software ONLY)	25
Controller Menu	27
Sync	27
Considerations: Synchronizing Software	29
Initial Screen	30
Controller Section	32
<i>Add</i>	32
<i>Delete</i>	33
<i>Delete All</i>	33
<i>A-Z Sort ↓</i>	34
Database Section	35
<i>View</i>	35
<i>Edit</i>	37
<i>Save</i>	37
<i>Compare</i>	40
<i>Diagnostics</i>	43
Action Section	45
<i>Upload / Download</i>	45

<i>Retrieve Local Event</i>	46
<i>Retrieve Split History</i>	48
<i>Retrieve Vol/Occ</i>	49
<i>Retrieve HiRes</i>	50
History Section	54
Bulk Exporting and Deleting of Retrieved Data	59
<i>Move</i>	62
Realtime Section	63
<i>Download Real-Time</i>	63
<i>Scan</i>	63
Tools Menu	65
<i>Modem String Initialization</i>	65
<i>Flash Firmware</i>	66
Help Menu	67
Hardware considerations	68
<i>PC to 2070 Cable Setup</i>	68
<i>NEMA TS2 Communications Port Cable setup</i>	68

Introduction

Purpose

The purpose of the ATMS StreetSync application (StreetSync) is to provide access to traffic controller units that are otherwise disconnected from the central system via a laptop.

Product Scope

The product is an application to access the ATMS database and the traffic controllers in the field with minimal effort. The product will use standard protocols where possible to maximize accessibility to the existing ATMS software environment.

Overall Description

Product Perspective

The application will install on a variety of laptop devices running Windows 10 or higher using serial connectivity.

Product Functions

The major functions in the app include:

- One-click application installation
- “Connection-less” Accessibility to ATMS
- List all available controllers
- View/Edit each available controller’s database
- Single action menu to provide access to all functions
- Supports Ethernet communication with v76 and newer controller types
- Upload database from a controller
- Download database to a controller
- Compare changed database parameters within a controller
- Retrieve most recent controller databases from the central system
- Transfer recent controller uploads to the central system
- Download current time-of-day to a controller
- Download firmware to Cubic | Trafficware NEMA Controllers Using Version 61.x software and MM516 MMU’s
- Create, save and access multiple cities and/or jurisdictions
- Supports Intersection Layout data syncing with ATMS
- Uses Intersection Layout as scan screens/scan elements – i.e. arrows to update phase status
- Displays detector actuations in scan screens
- Display active alarms in scan screens
- Extracts, Displays and Syncs with ATMS Vol/Occ data from controllers (v76 and newer controller types)
- Extracts, Displays and Syncs with ATMS Split History data from controllers (v76 and newer controller types)
- Extracts, Displays and Syncs with ATMS Local Events data from controllers (v76 and newer controller types)
- Extracts and Syncs with ATMS HiRes data from controllers (v76 and newer controller types)

Operating Environment

The operating environment will be Windows 10 or higher, running on a variety of PC devices.

Traffic Controller Support

The app will support both TS2, 2070, ATC and Commander traffic controllers containing Cubic | Trafficware software/firmware.

StreetSync Versions

There are two versions of StreetSync available as described below. Please contact your Cubic | Trafficware representative for more information.

StreetSync Solo

This version is used for standalone applications and does not interface directly with ATMS. It is intended for agencies that want to keep database information on isolated controllers.

StreetSync Enterprise

This version is used with agencies that have ATMS and want a laptop interface for isolated controllers that are not communicating on their system.

Database structure

The key to understanding the ATMS StreetSync file system is how the system protects the Permanent File (last successful download through the communication system). The system performs a verification by uploading the controller to the Upload File and comparing the upload with the Permanent File. The verify procedure is used to prevent edit changes at central from being copied over valid changes made in the field through the keyboard.

Permanent File

ATMS saves a copy of the last successful download to the Permanent File to maintain an accurate copy of each controller database in the field. A separate Permanent File for each controller is stored in the /nazserv/data directory on the server with a .prm file extension.

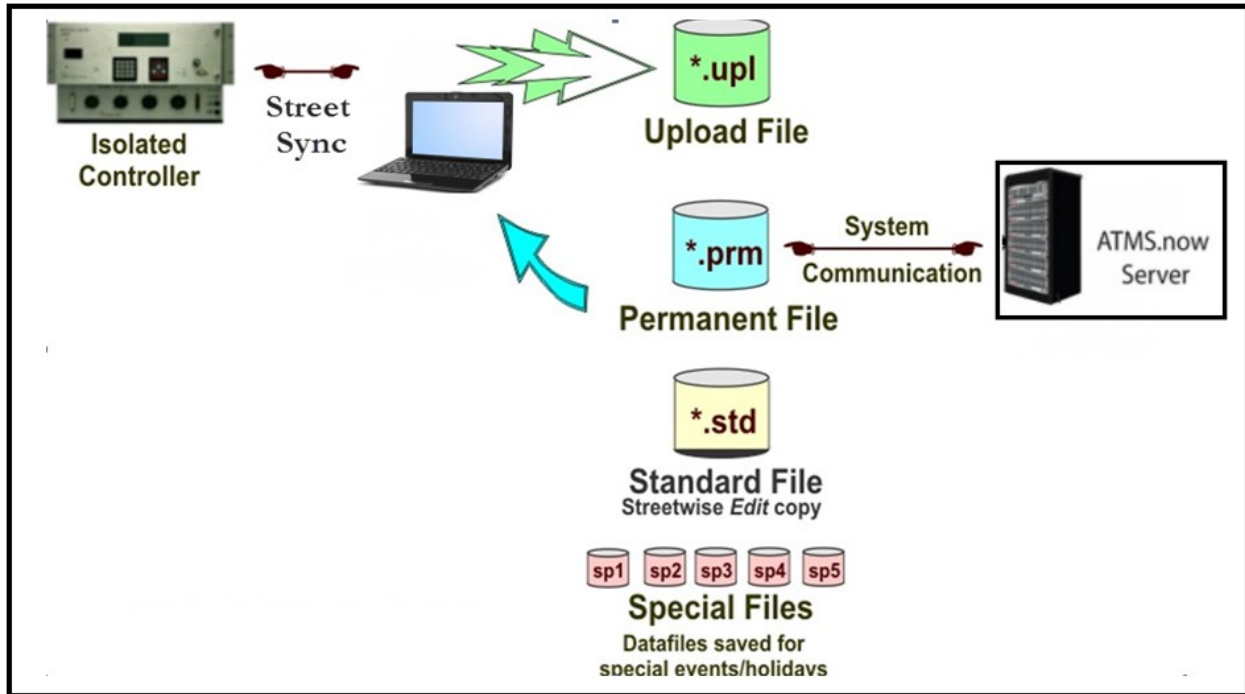
The Permanent File is transferred to StreetSync during the synchronization procedure. This insures that StreetSync carries the last successful download to the field.

The PC which contains StreetSync stores the .prm files in the directory /nazserv/data. All Data which is edited using StreetSync is saved on the /nazserv/data directory on the StreetSync PC. When editing is completed, the updated .prm file is then time stamped.

Upload File

StreetSync saves a copy of the controller database uploaded by the system to the Upload File on the ATMS server after synchronization with the ATMS server. All Data which is edited using StreetSync is also stored in the Upload file on the ATMS server. When editing is completed, the file is then time stamped. A separate Upload File for each controller is stored in the /nazserv/data directory on the ATMS server with an .upl file extension.

Keep in mind that the Permanent and Standard Files are protected from all field uploads in ATMS and from the StreetSync synchronization procedure. Therefore, in ATMS the user is required to manually copy the Upload File to either the Standard or Permanent to commit any changes uploaded through the system.



Installing StreetSync

NOTE: To properly install StreetSync using the Microsoft toolset, you must connect your device to the Internet. (After installation, internet access is not necessary). If Internet access cannot be achieved, contact Cubic | Trafficware technical support for further installation instructions.

Online.trafficware.com/release/StreetSync/

Welcome to StreetSync page: This is the directory that has all required steps that need to be installed and completed before StreetSync can be licensed.

Welcome to StreetSync

Documents:

- [Release Notes](#)
- [User Guides](#)

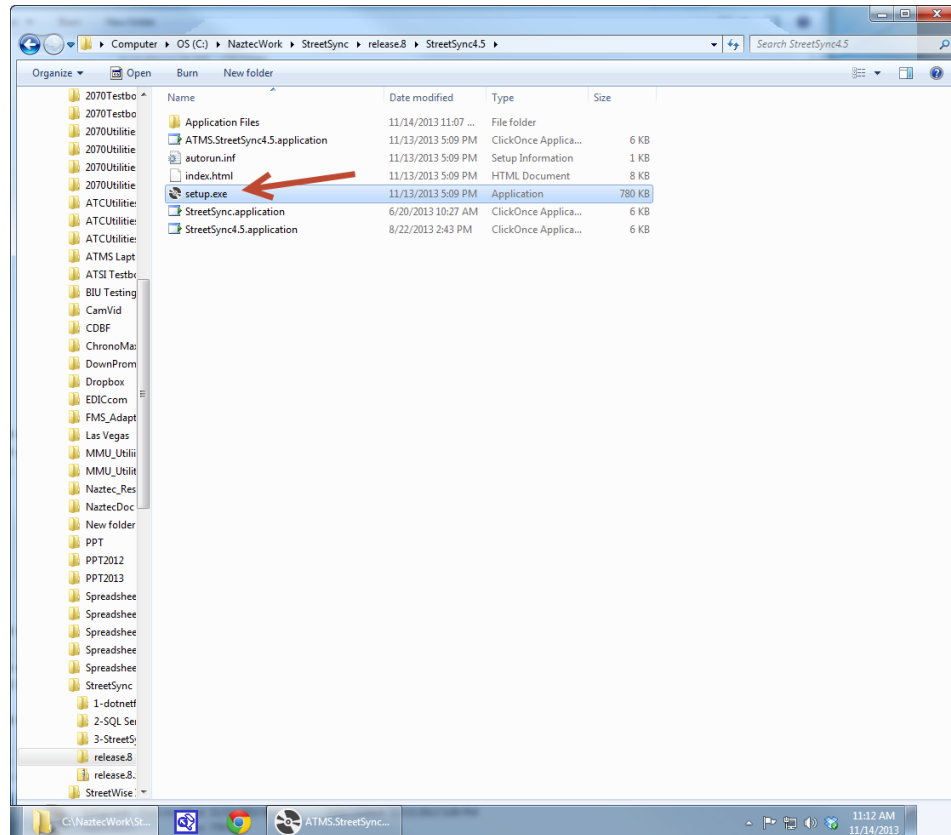
Prerequisites:

- [ndp48-x86-x64-allos-enu.exe](#): .Net Framework 4.8
- [SSCERuntime_x64-ENU.exe](#): SQL Server Compact SP1 for Windows 7/8/10 64-bit
- [SSCERuntime_x86-ENU.exe](#): SQL Server Compact SP1 for Windows 7/8/10 32-bit
- [vc_redist.x86.exe](#): Visual C++ Redistributable 2015-2019 32-bit
- Windows XP not supported

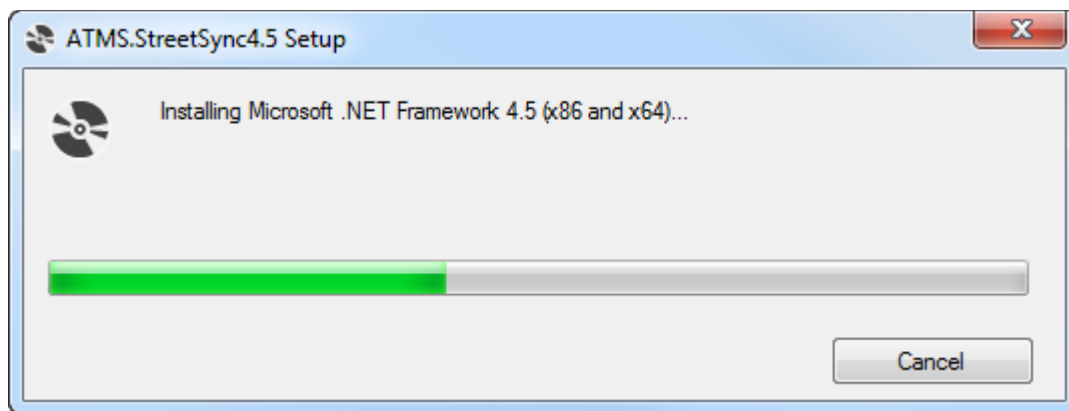
Installation steps:

- Install .Net Framework 4.8
- Install SQL Server Compact 4.0 SP1
- [Install StreetSync](#)
- The jurisdiction version requires ATMS server changes.
- Copy files SqlHandler.aspx and/or CnfgIndex.aspx into C:\Naztec\ATMSWS on the server machine. **Skip this step if not syncing with ATMS.**
 - StreetSync 2.x
 - [for ATMS.Now 2.3 or old](#)
 - [for ATMS.Now 2.4 or 2.5](#)
 - [for ATMS.Now 2.6 or newer](#)
 - StreetSync 3.0.x
 - [for ATMS.Now 2.6-2.12](#)

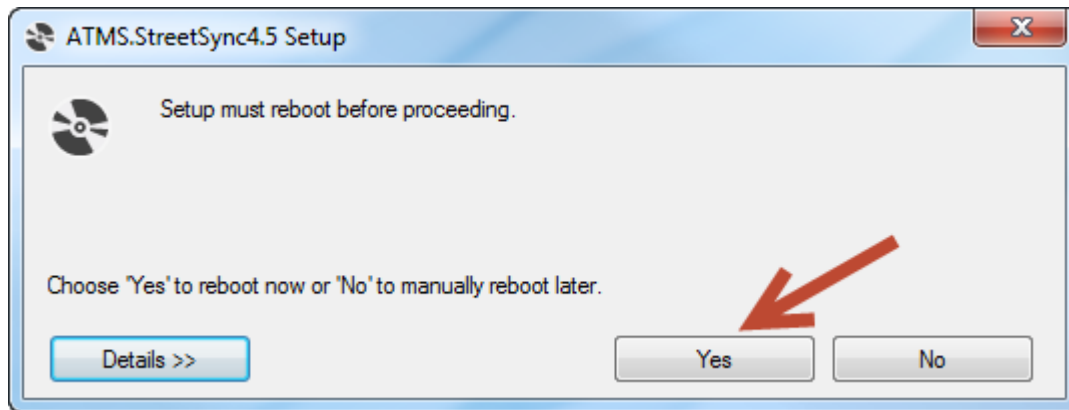
1. The CD or link provided by Cubic | Trafficware should automatically start the install of StreetSync. If not browse the CD and run the file labeled **setup.exe** to begin the installation.



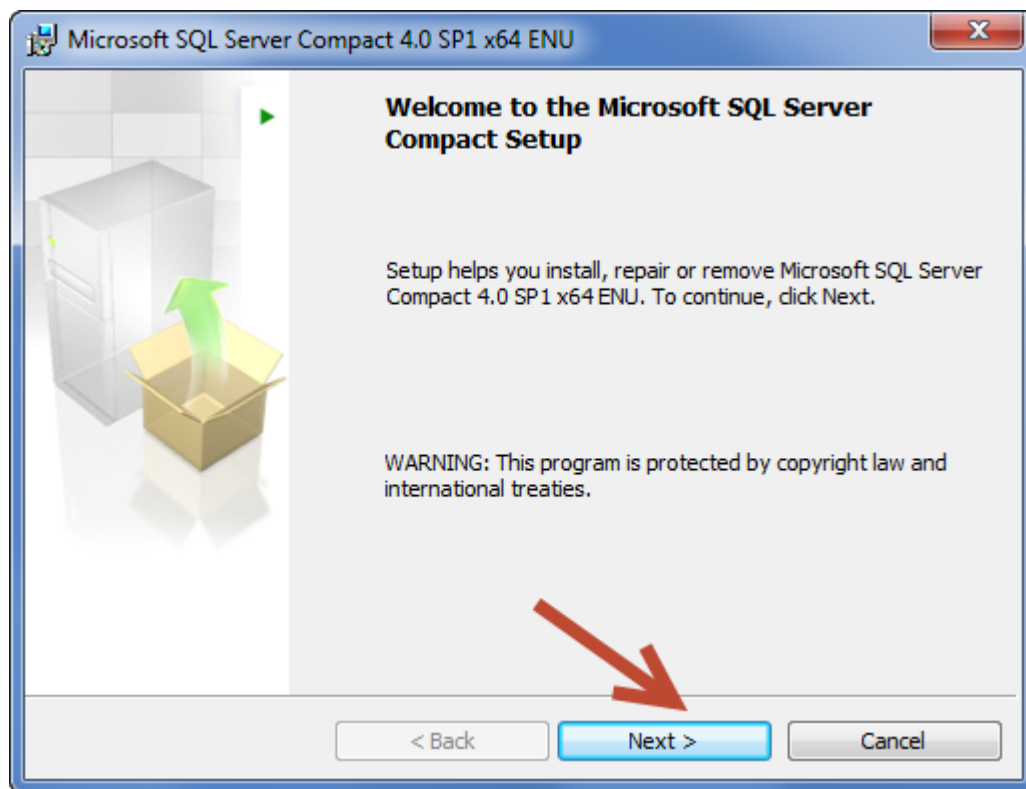
2. The setup will begin and you should see a screen similar to the one below while StreetSync is installing.



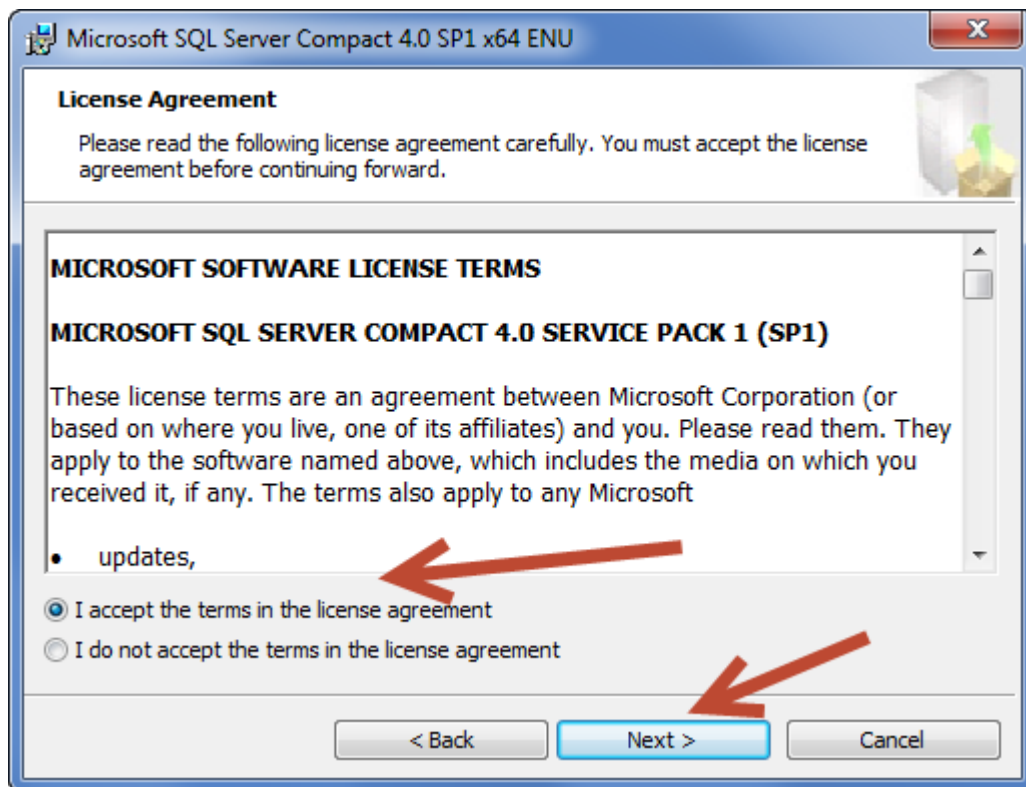
- When the initial installation is completed, the following screen will request a hardware reboot. Please answer **Yes** to reboot your PC, laptop, or tablet.



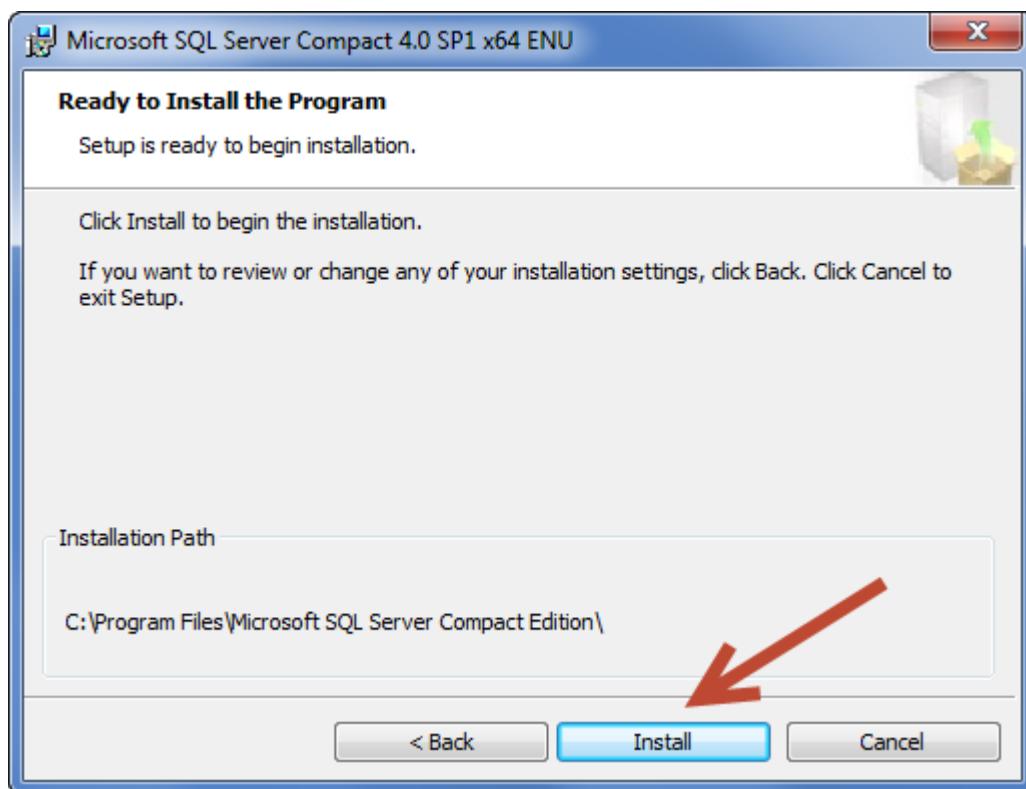
- Upon restart the following screen may be displayed depending on what has been previously installed on your PC/Laptop/Tablet computer. If this screen is displayed, then the setup will now install Microsoft SQL Compact Database software otherwise it has previously been installed. If this screen is not displayed then the setup software will skip to step 10 below.



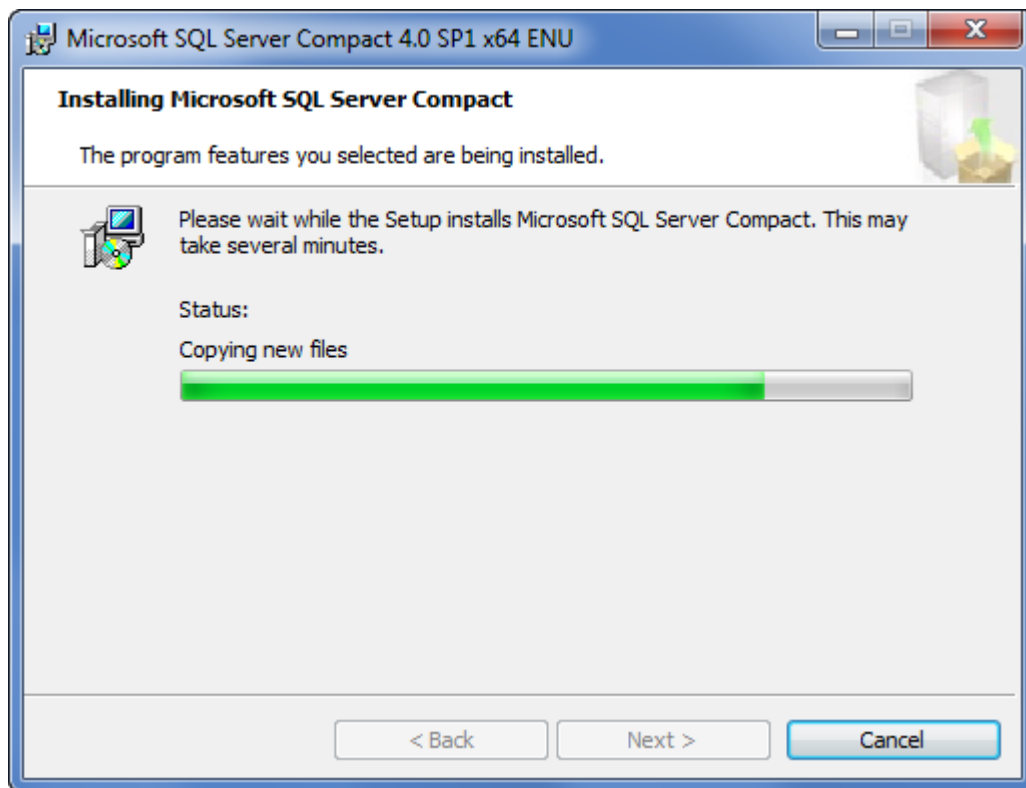
5. Select Next to continue.



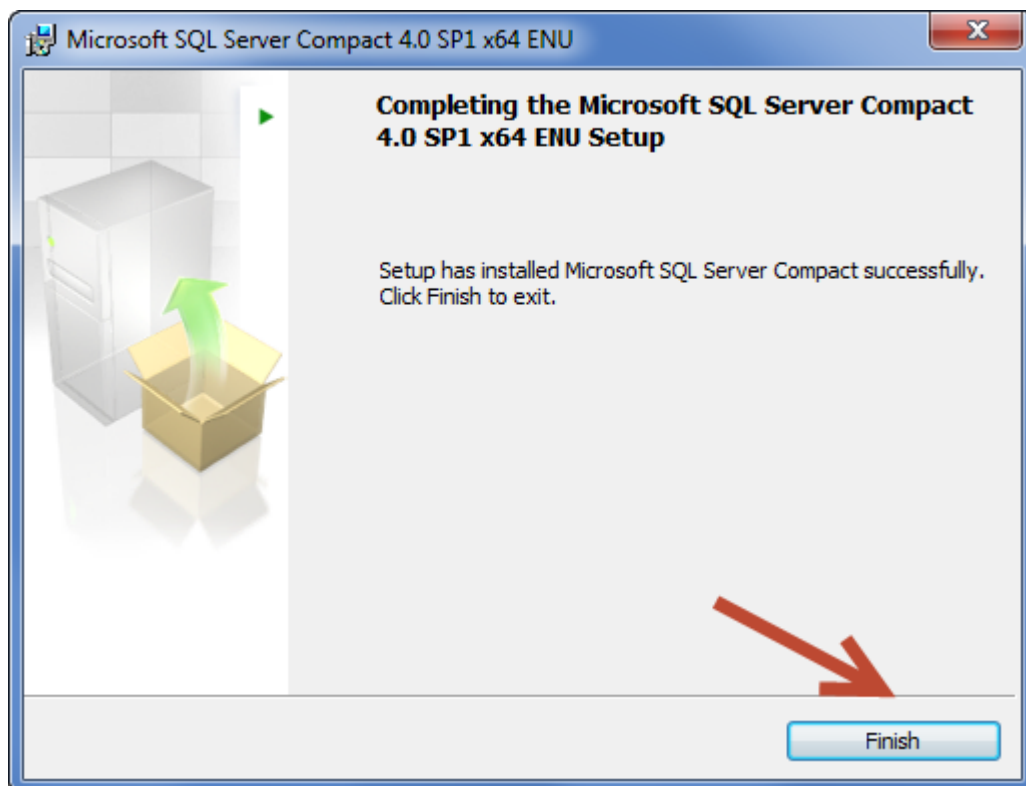
6. Accept the License Agreement and select Next to continue.



7. Select Install to install the SQL Compact Database software.

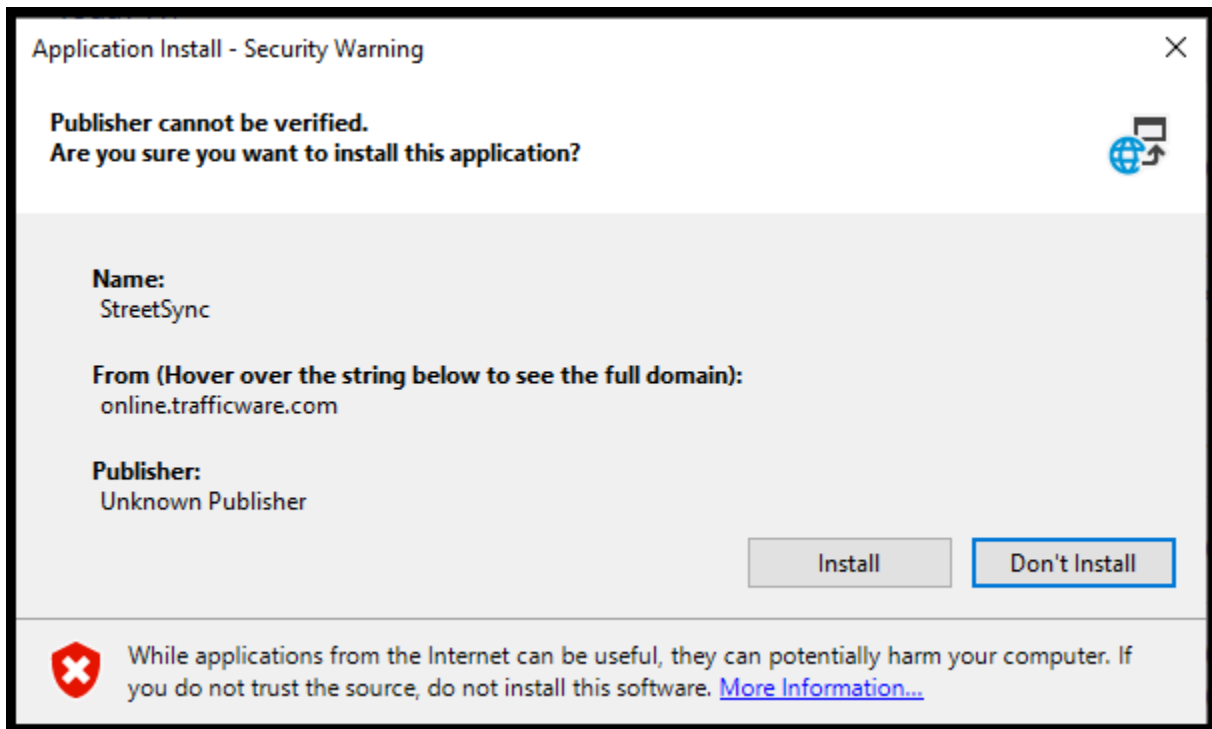


8. When completed, the following screen will be displayed.

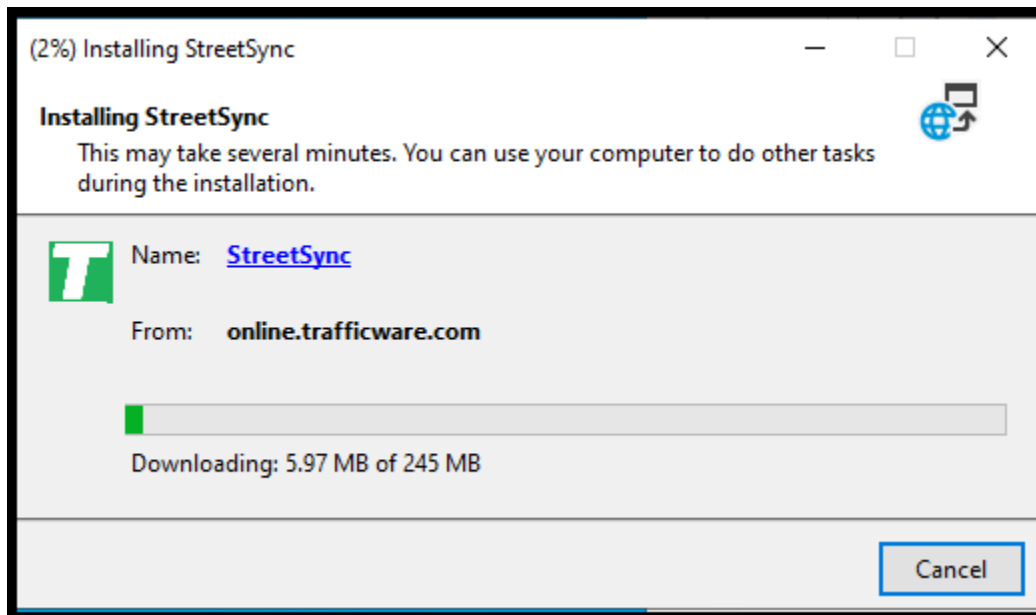


9. Select Finish to complete the Microsoft SQL Compact Database software.

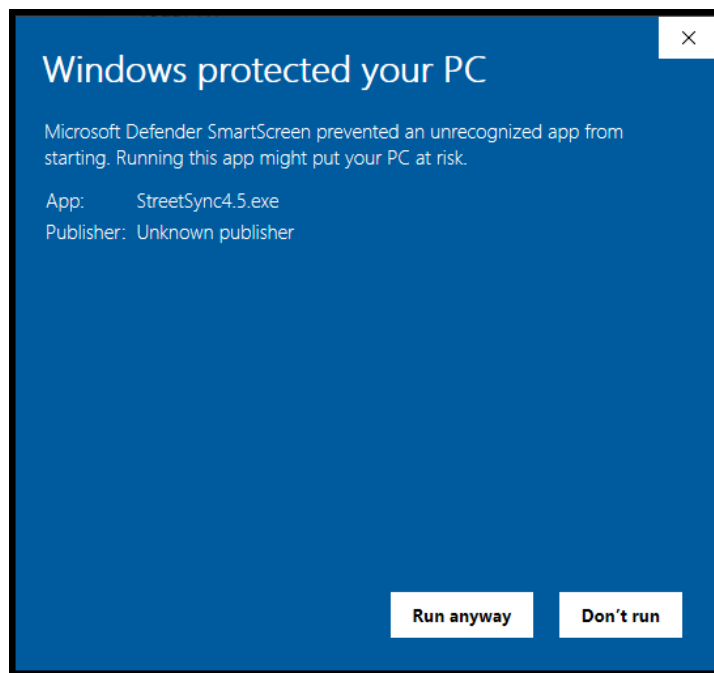
10. The following screen will automatically be displayed. If not, run Setup again to finish the StreetSync Installation.



11. While Installation is occurring, a screen similar to the following screen will be displayed.



12. When installation is completed, the user may see the following Windows Security screen:



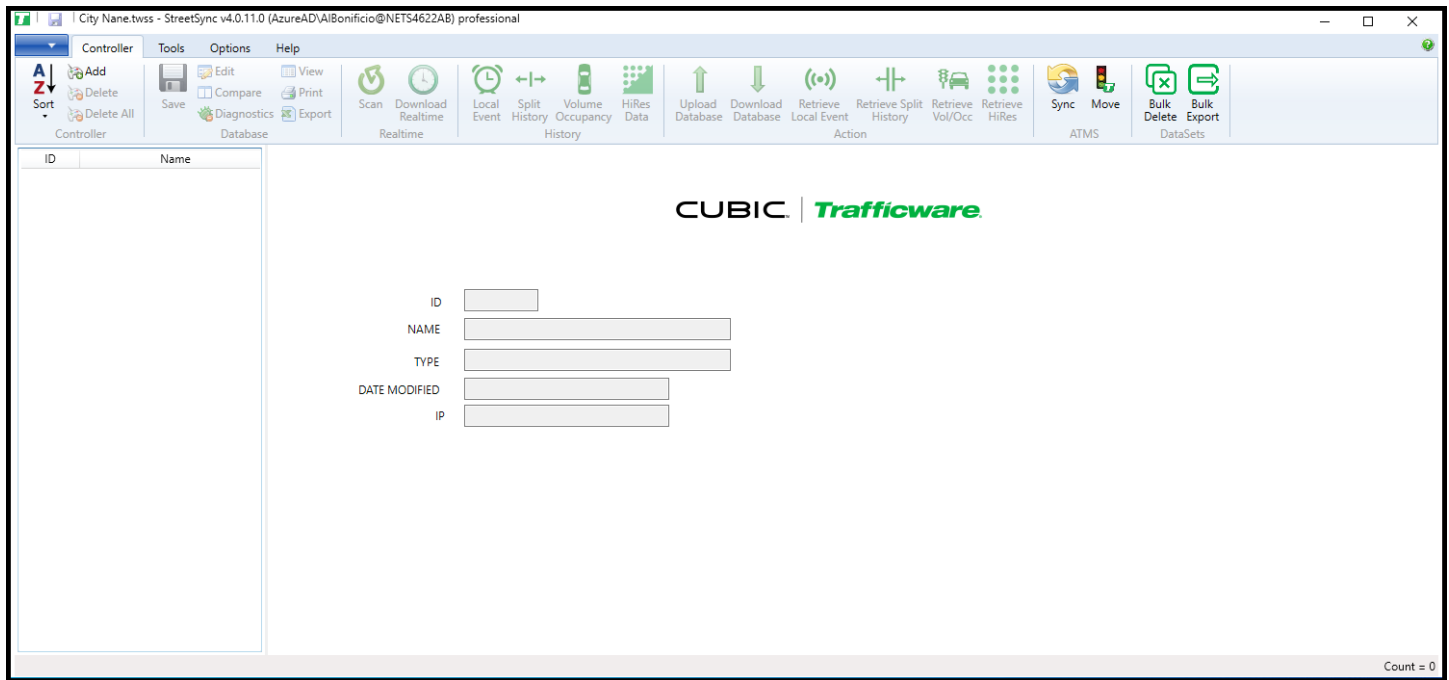
Select **Run Anyway** and StreetSync will automatically start and the splash screen below will be displayed:



When you first start StreetSync the following screen will appear.

Starting StreetSync

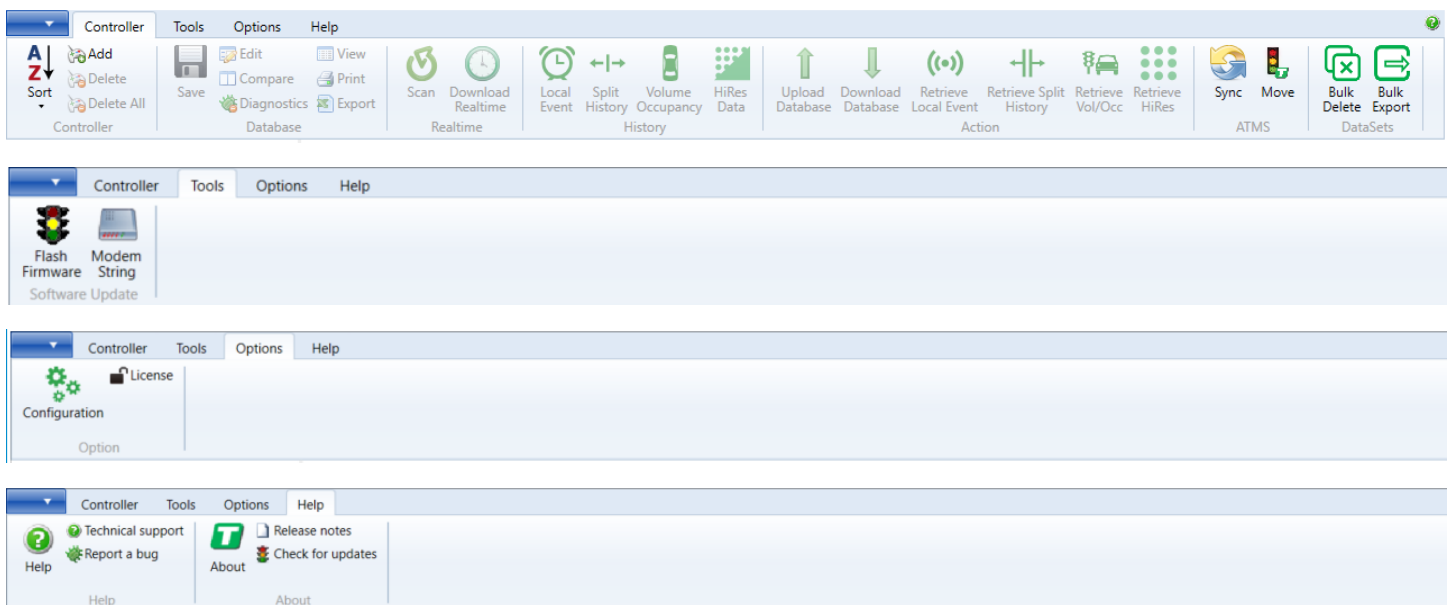
Below is the Home Page for StreetSync:



You must now license the firmware via the tool bar.

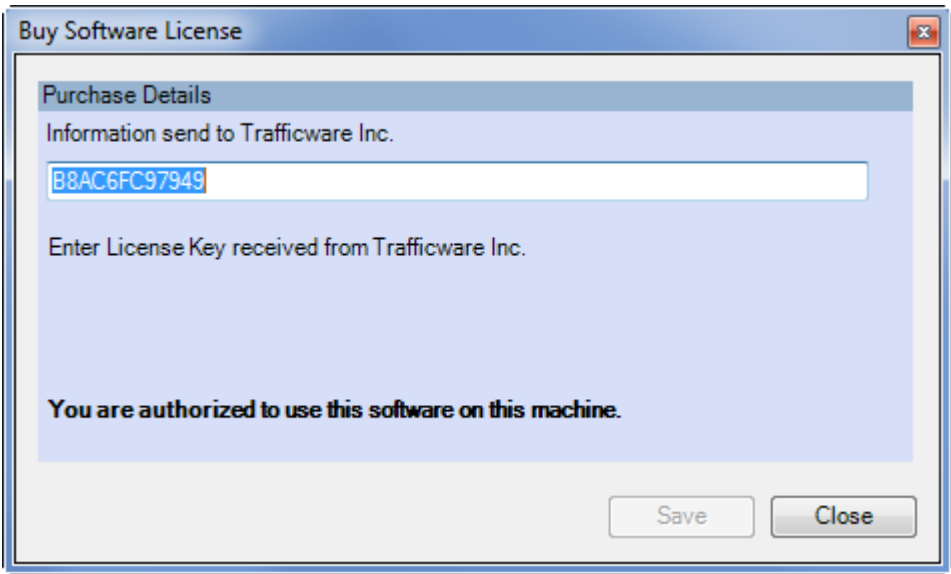
Quick Action Tool Bar

There is a quick access toolbar on the top of the screen that allows you to access the various menus and controller databases, as shown below.

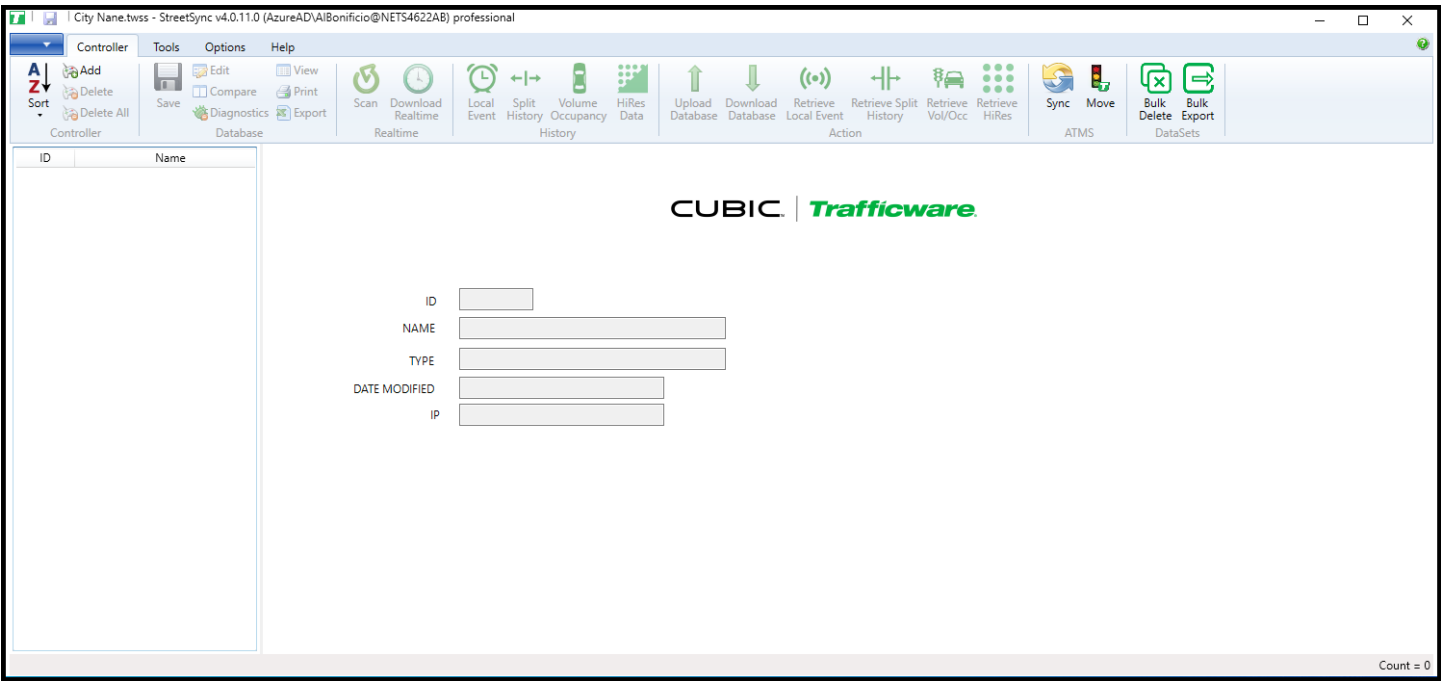


License

Each time you install StreetSync on a PC you need to license it with Cubic | Trafficware. The following screen will appear for you to enter and validate your license. *Please contact your Cubic | Trafficware representative to acquire a license.*

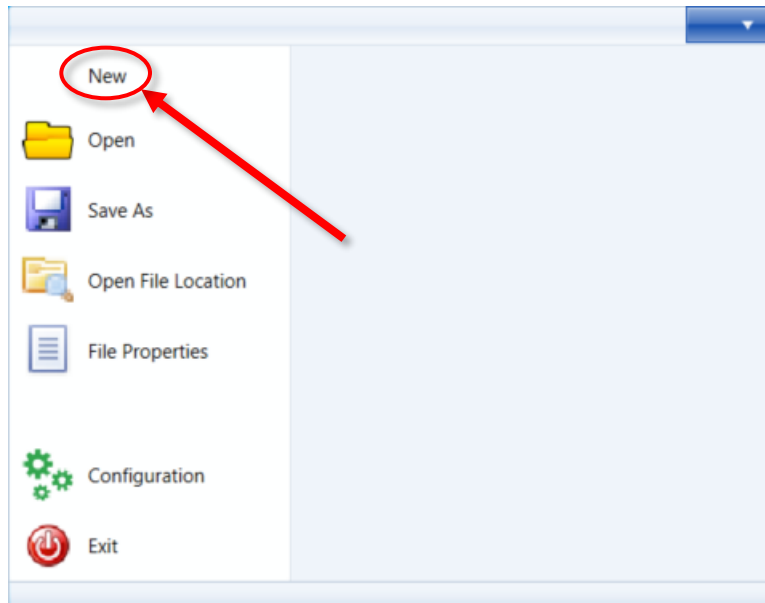


Once licensed, the following screen will appear:



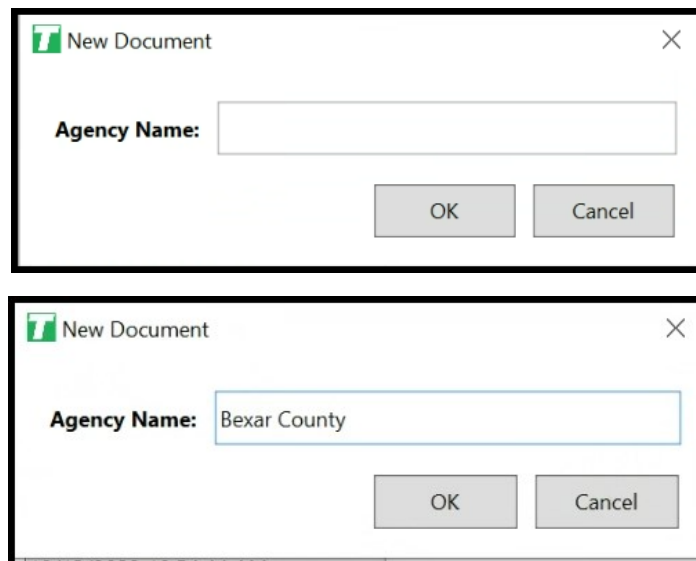
Selection Drop-Down Menu

StreetSync allows the agency to be able to save multiple jurisdictions to separate StreetSync Files. This can be helpful for larger agencies.

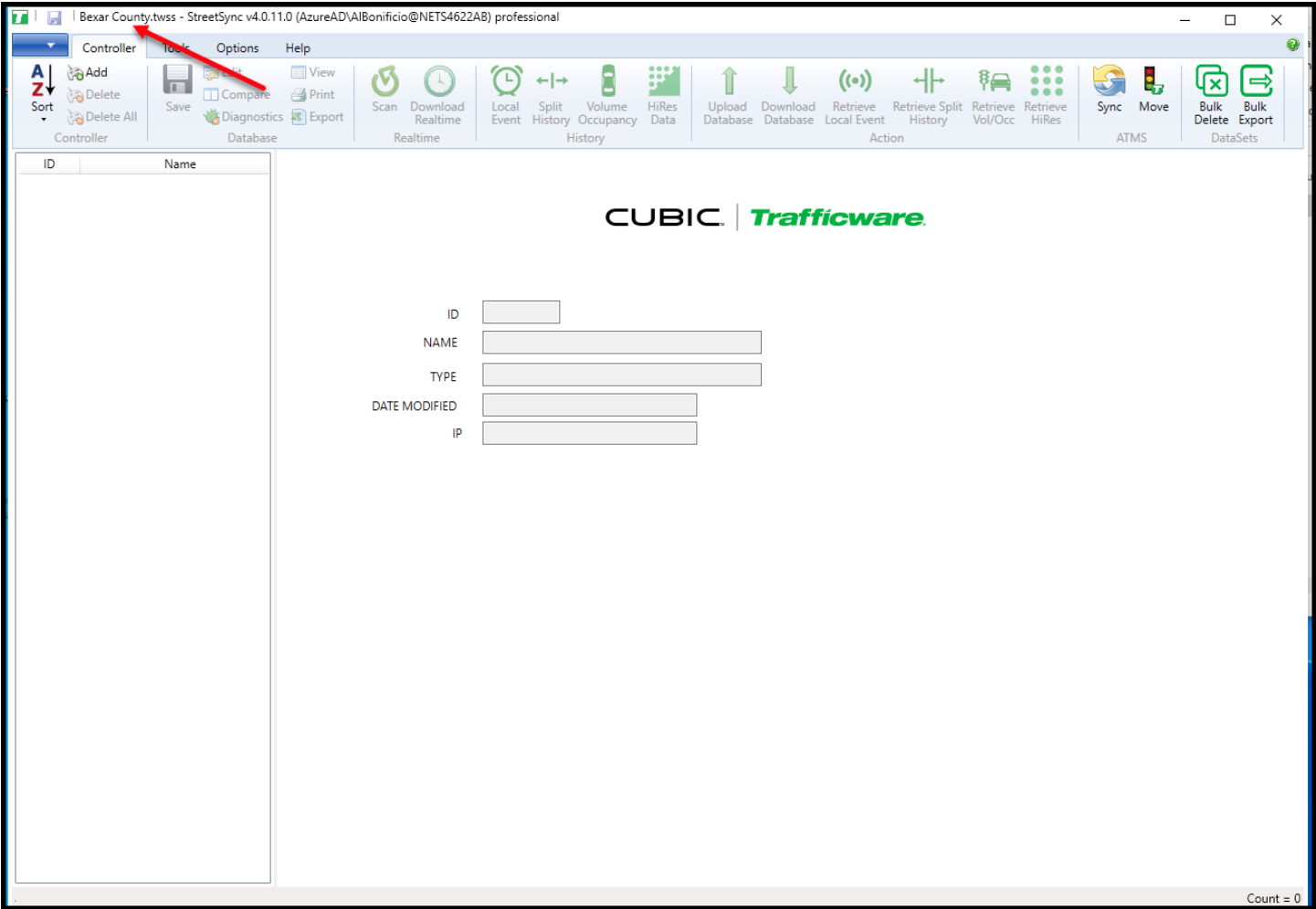


New City/Jurisdiction

Whenever you bring up StreetSync for the first time you **must** create a city/jurisdiction. To create a new city/jurisdiction select **New** and the following screen will come up for you to enter the City, County, or Jurisdiction name.

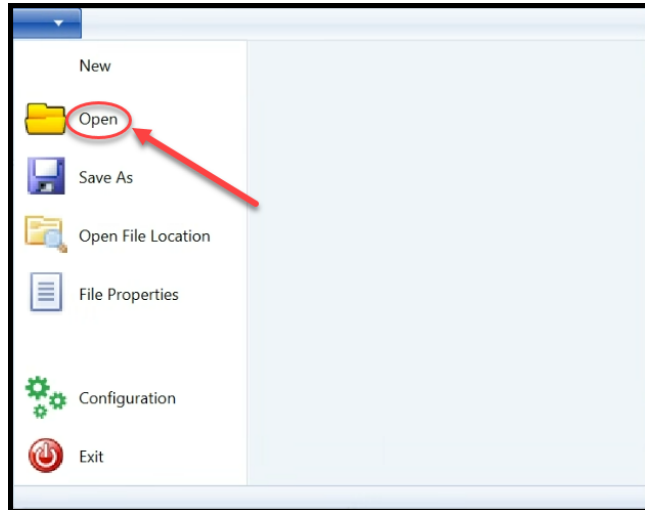
Two screenshots of the 'New Document' dialog box. The first screenshot shows the 'Agency Name:' label followed by an empty text input field. The second screenshot shows the same dialog box with the text 'Bexar County' entered into the input field. Both screenshots include 'OK' and 'Cancel' buttons at the bottom right.

Once the new city/jurisdiction is created, the title bar will change to reflect the file. At this point you can populate StreetSync by adding controllers manually or syncing to ATMS.

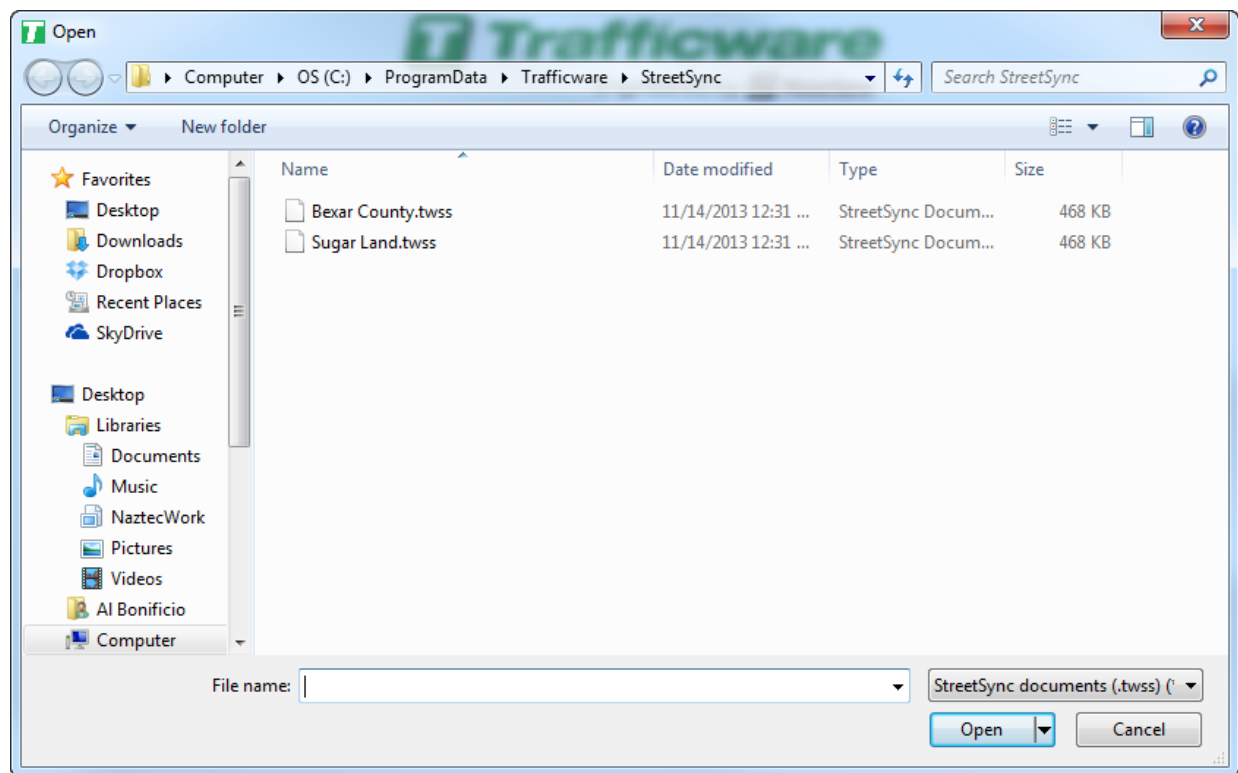


Viewing all City/Jurisdictions

Go to the Selection Drop Down menu and choose **Open**

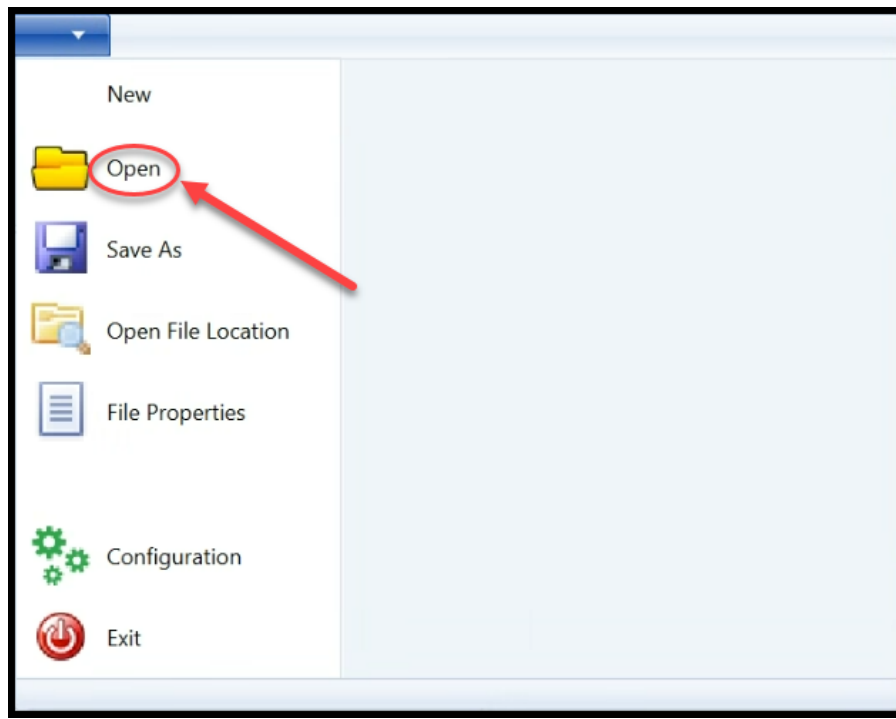


The following browser screen will be displayed.

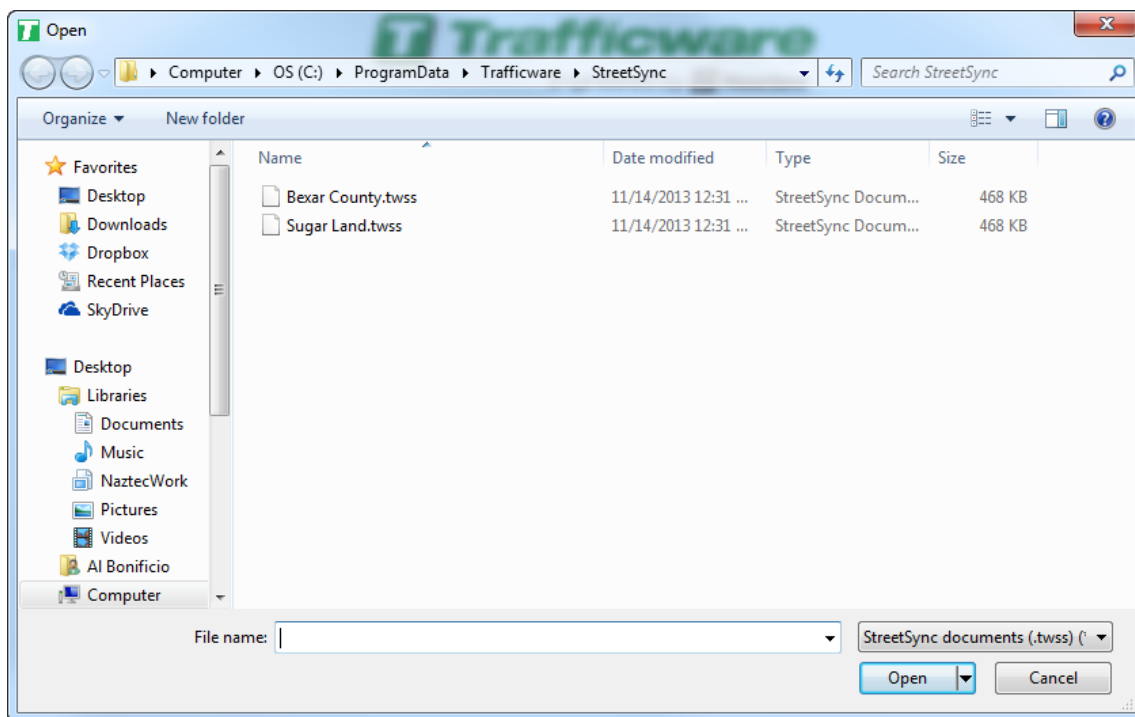


Switch to another City/Jurisdiction

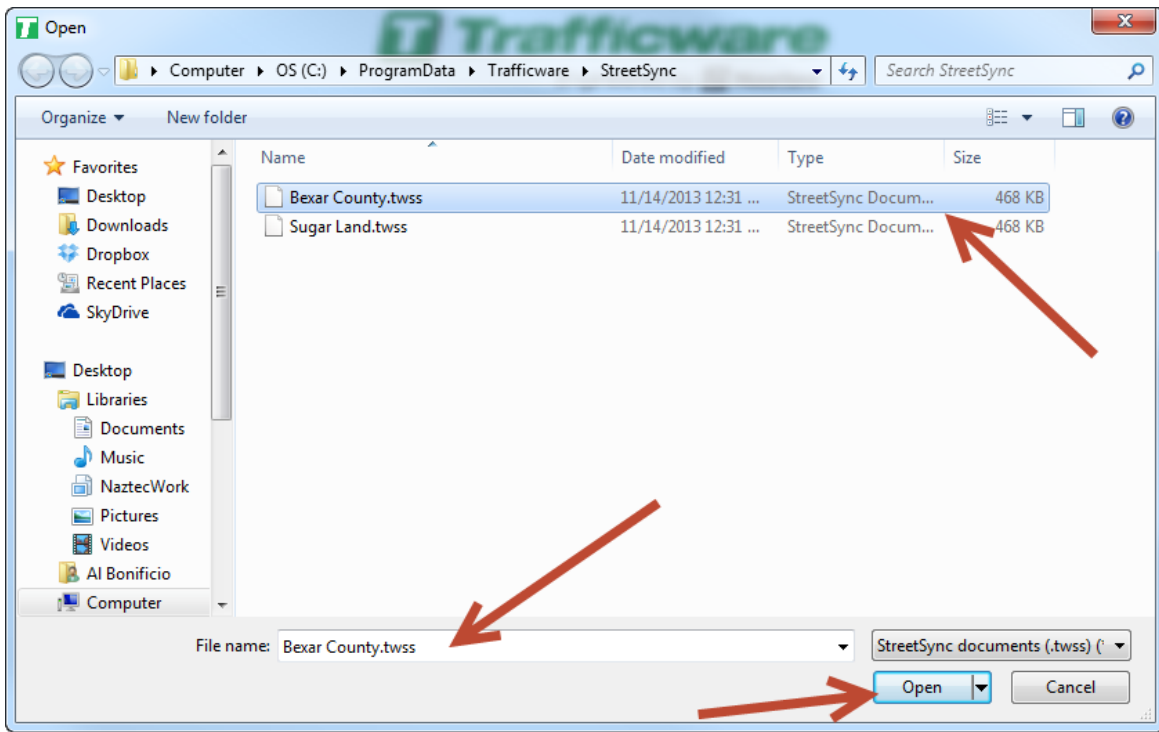
Go to the Selection Drop Down menu and choose **Open**.



The following browser screen will be displayed.



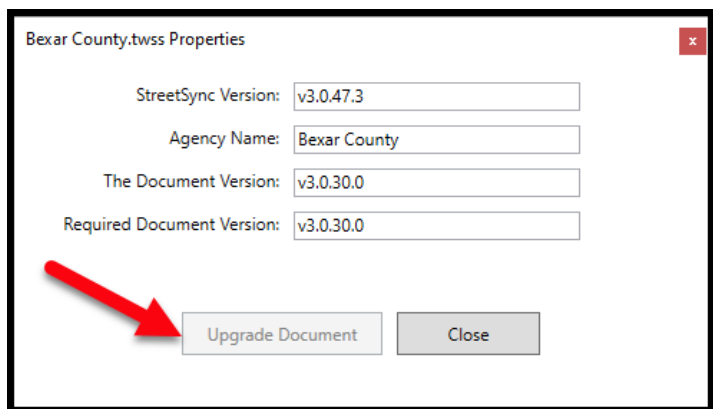
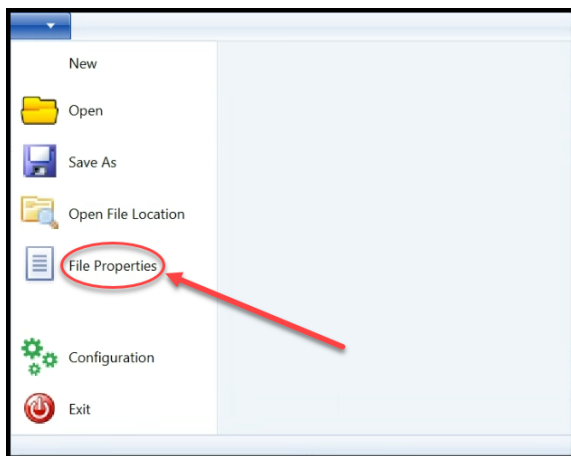
Note: Each city created has the extension .twss which will contain the database information for the city/jurisdiction. Select and open the file you want to access.



Once you have created a City/Jurisdiction you are ready to configure StreetSync for the interface to ATMS or to create standalone controllers.

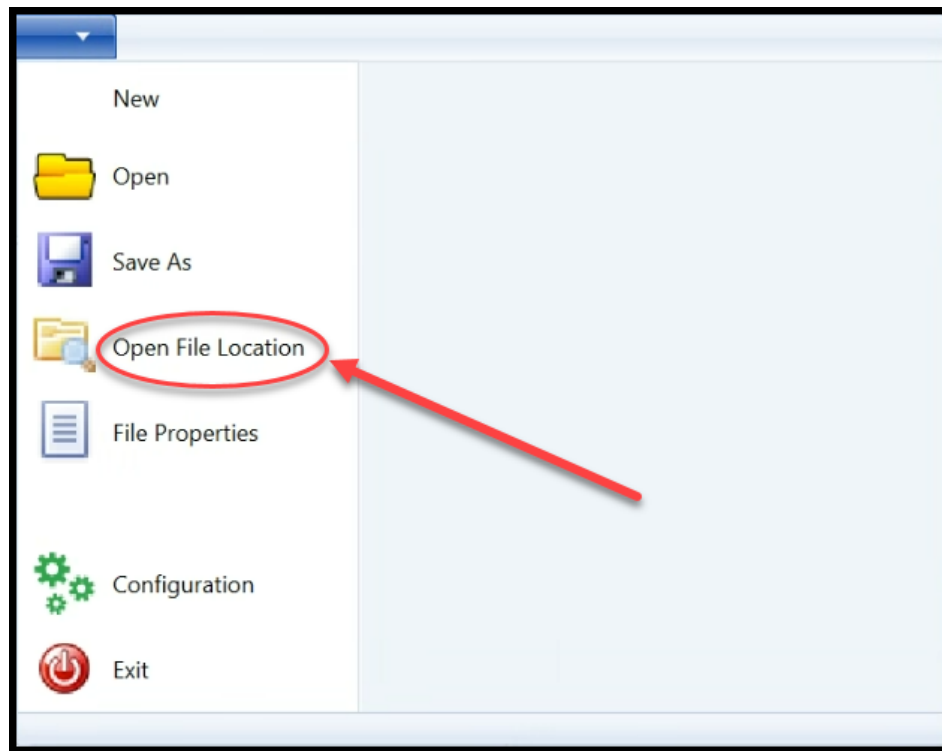
File Properties

If your agency has a previous version of StreetSync, the City/Jurisdictional database needs to be updated to work with StreetSync 3.x or later. Selecting File Properties will run a conversion tool which will update StreetSync. If the versions are different (referred to as “Documents” on the screen below, The **Upgrade Document** button will be available to do the conversion.

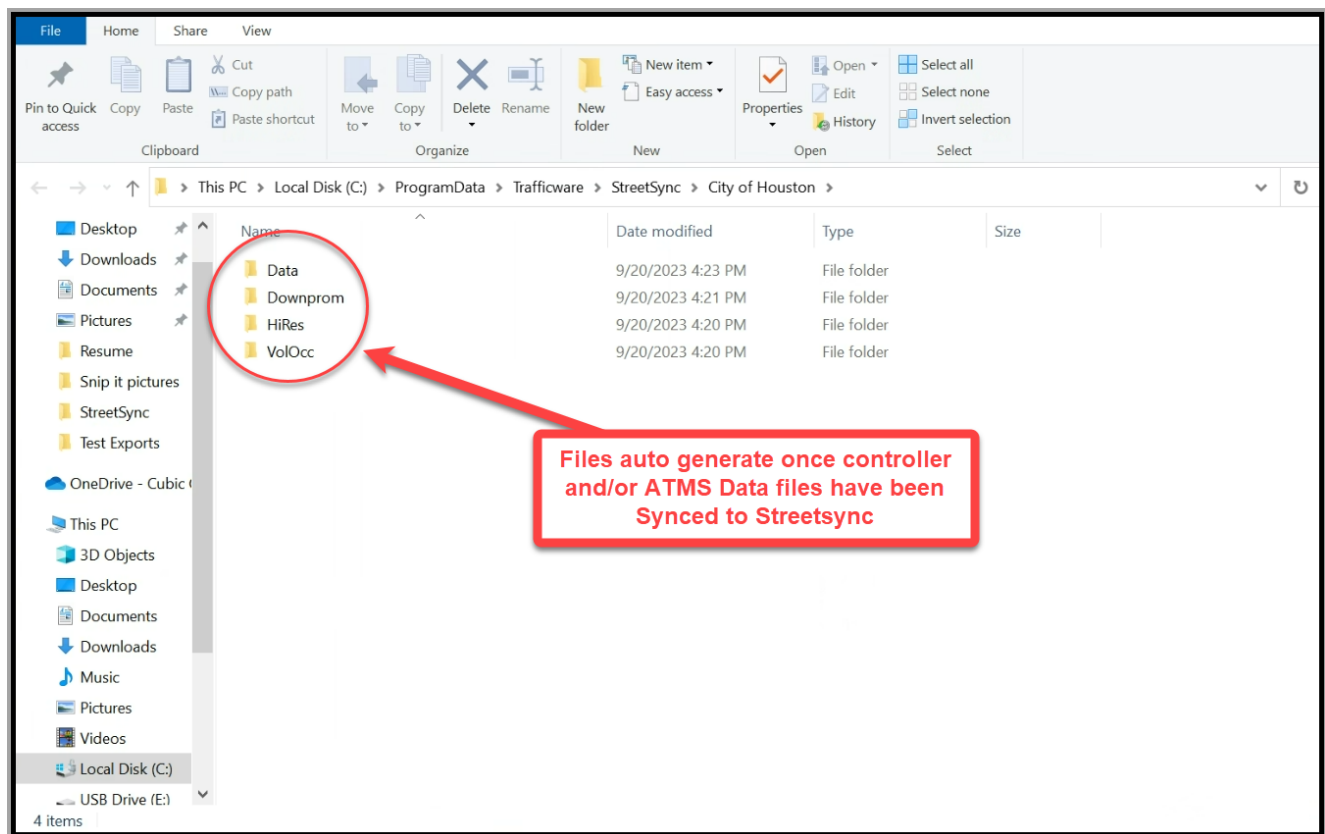


Open File Location

Opening the File location will give access to the Data files of each city/jurisdiction.

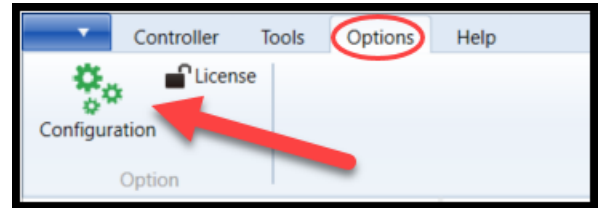


Note: Once a new city/jurisdiction has been created, the file location will be empty until a controller and/or ATMS Data files have been Synced to ATMS.



Options Menu

The Options Menu is used to configure StreetSync as well as License it.



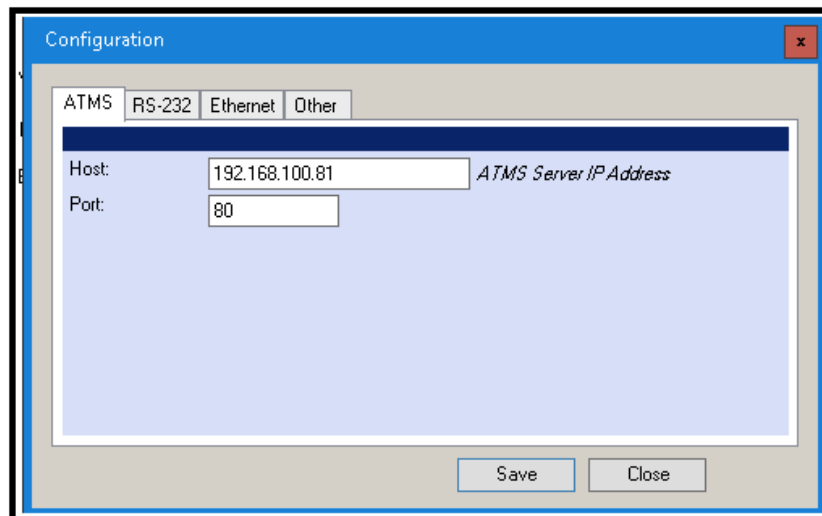
Configuration

From the Toolbar you must first configure StreetSync to access ATMS by using the configuration button under the Options menu.

The configuration screen will have four tabs that will allow the user to configure StreetSync as shown below. The tabs that contain configuration parameters and they are described below.

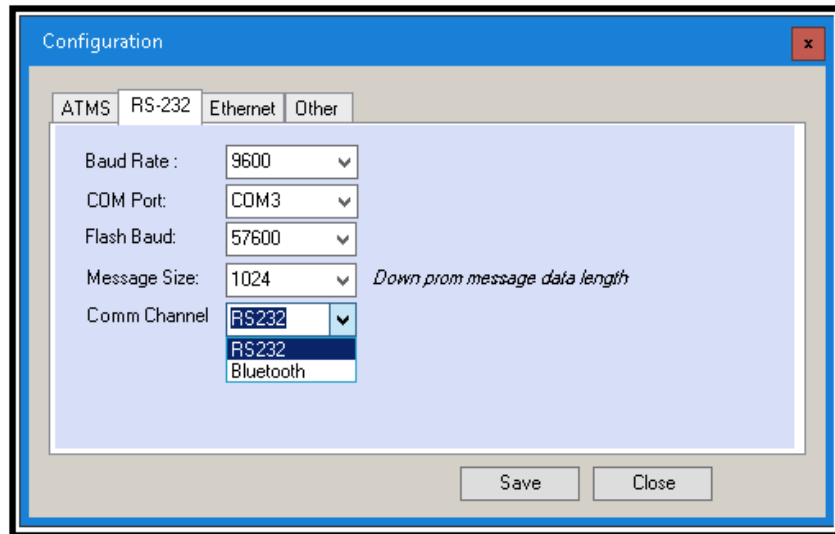
ATMS

This screen allows the user to choose the ATMS **Server** used to get the controller list during the Sync Action and the **Port** number of that server (typically Port 80).



RS-232

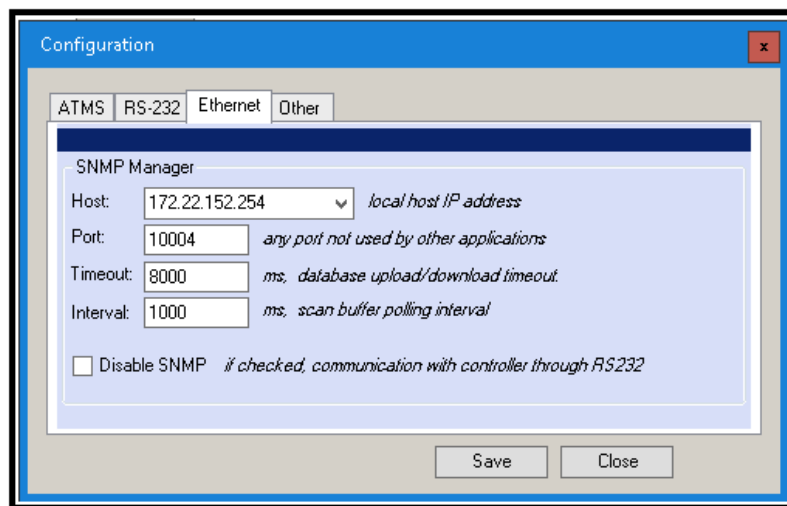
The user will be able to set up the **COMM Channel** (*RS232 or Bluetooth*) **COMM Port** and the **Baud Rate** (*9600 Baud-57600 Baud*) to be used for the laptop device that will connect to the controller. The user can also set up a **Flash Baud Rate** (*9600 Baud-57600 Baud*) when “Flashing” firmware to a TS2 controller or MMU. The user should also set up The Flash Firmware Message Length to ensure that the headers are sent to the controller.



NOTE: The Baud Rate and Flash Baud Rate for an MMU should be set to 9600 and the Message Size should be set to 512.

Ethernet (Available for Controllers using Patriot [V76.x] or Scout [V85.x] software ONLY)

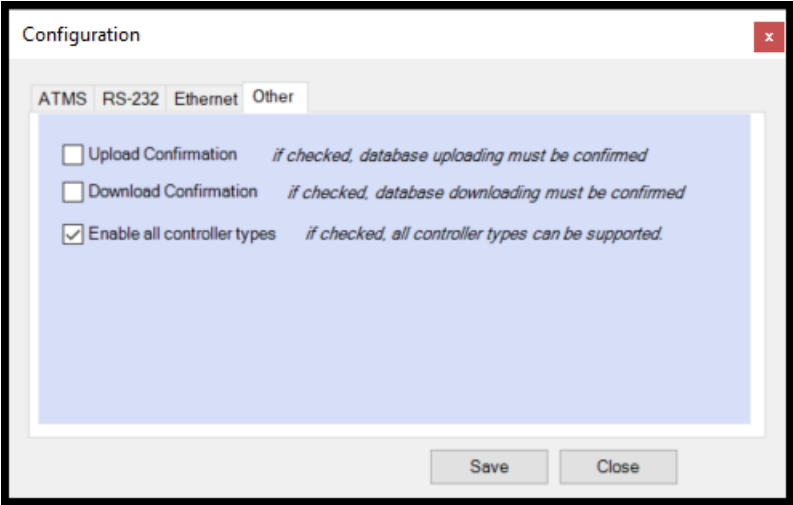
Controllers using **Patriot [V76.x] or Scout [V85.x]** software can (and should) communicate using a direct connect Ethernet cable. The user must program the **Host IP address (the IP of the laptop using StreetSync-4th Octet must not match the Controller I.P.)**, the **IP Port** that the laptop will use to communicate to the controller, a communications **Timeout** parameter (in milliseconds) and a polling **Interval** used in association with the scan buffer when scanning the live data from an intersection. If you are communicating with a V76.x, V80x or V85.x controller, you should use Ethernet but if it is unavailable, you can check the Disable SNMP box to communicate via RS232. Keep in mind that a typical Ethernet upload will be substantially quicker than RS232.



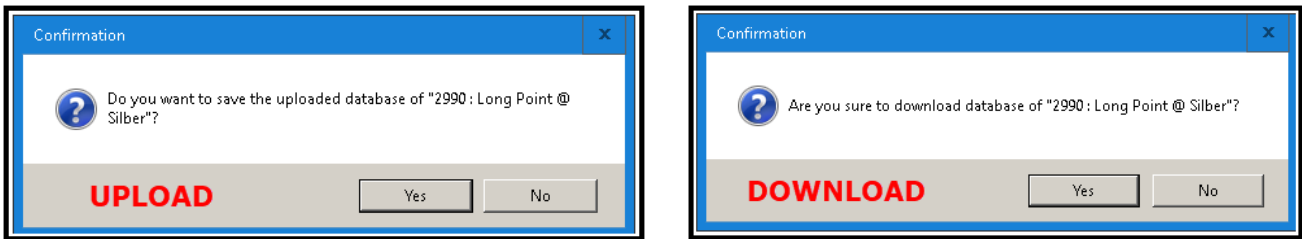
Note: The Host IP MUST be on the same network as the controller IP to communicate.

Other (Confirmation of Uploads/Downloads)

If the agency requires its staff to confirm that they want to perform a database upload or download, then check the confirmation boxes under the **Other** tab as shown below.



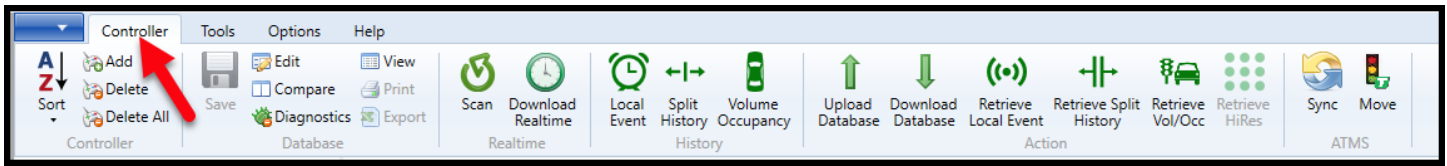
When selected then a Confirmation Message will be displayed that will require the user to confirm before saving the uploaded database or starting the download as shown below.



In addition a selection to enable a list for all controller types (even if they are not supported in the ATMS controller selection list) after Syncing to ATMS is supported.

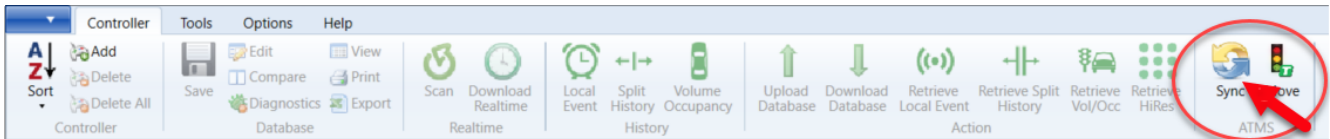
Controller Menu

The controller Menu is used for interfacing with each intersection as well as ATMS. A list of actions will be displayed.



Sync

Sync is found under the ATMS section as shown below.



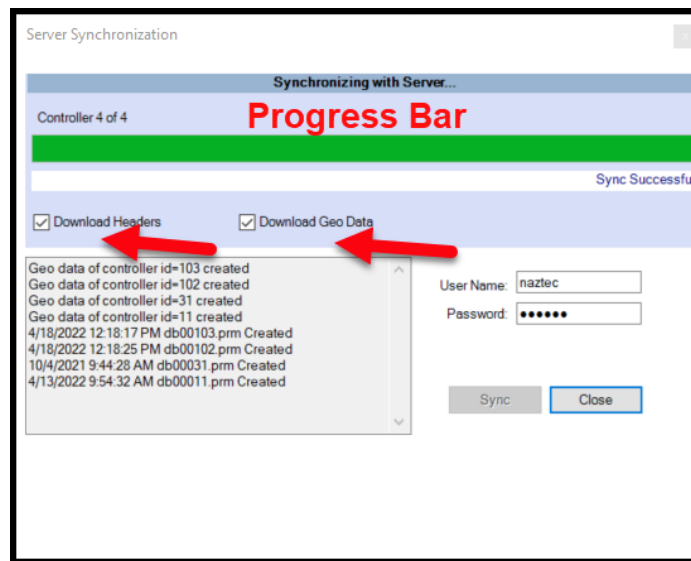
When the user clicks the **Sync** action in the ATMS section, the system will display the Sync action item as shown below.

A screenshot of the 'Server Synchronization' dialog box. The dialog has a title bar with a close button. Below the title bar is a section labeled 'Synchronize with Server' with a large empty text area. Below this are two checkboxes: 'Download Headers' and 'Download Geo Data'. At the bottom right, there are input fields for 'User Name:', 'Password:', 'ATMS Server:' (containing '192.168.1.50'), and 'ATMS Port:' (containing '80'). Below these fields are 'Sync' and 'Close' buttons.

Logging into the ATMS server is required for syncing. In addition, the log-in will reflect the jurisdictional control that is set up in ATMS. Therefore, by logging-in the user's StreetSync database will only synchronize the databases that they are allowed to use. The user must provide a username and password as shown below then select Sync.

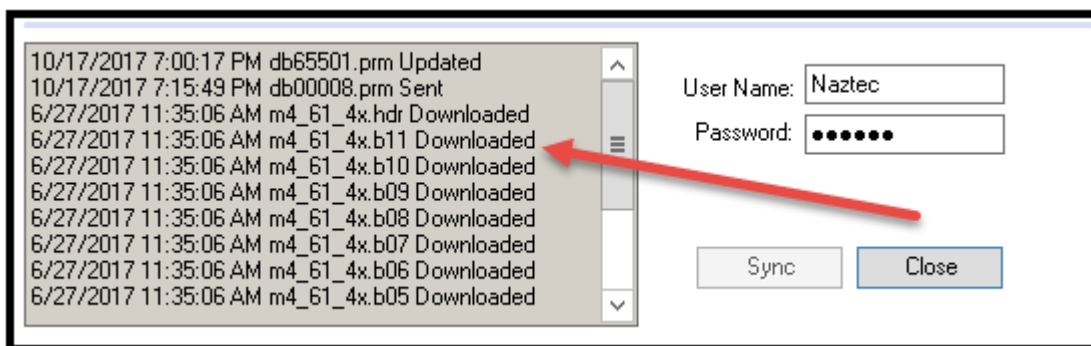
A screenshot of the 'Synchronize with Server' dialog box, similar to the one above but with user credentials filled in. The 'User Name' field contains 'naztec', the 'Password' field contains a masked password '.....', the 'ATMS Server' field contains '192.168.1.50', and the 'ATMS Port' field contains '80'. The 'Sync' and 'Close' buttons are at the bottom right.

Sync will begin the Synchronization process. While the Synchronization process occurs, a progress bar indicating how much of the controller data set has been synchronized with the server. The user may cancel the operation at any time.



Please note that the user can select Download Headers if it is desired to download firmware to TS2 controllers or MMU's. StreetSync will search for the server directory **...Naztec/Nazserv/Downprom** for the TS2 firmware data and header files and place it in the **Downprom** folder of the StreetSync City directory. Also Download GeoData can be selected to download Intersection Layout information from ATMS for use with the Scan selection.

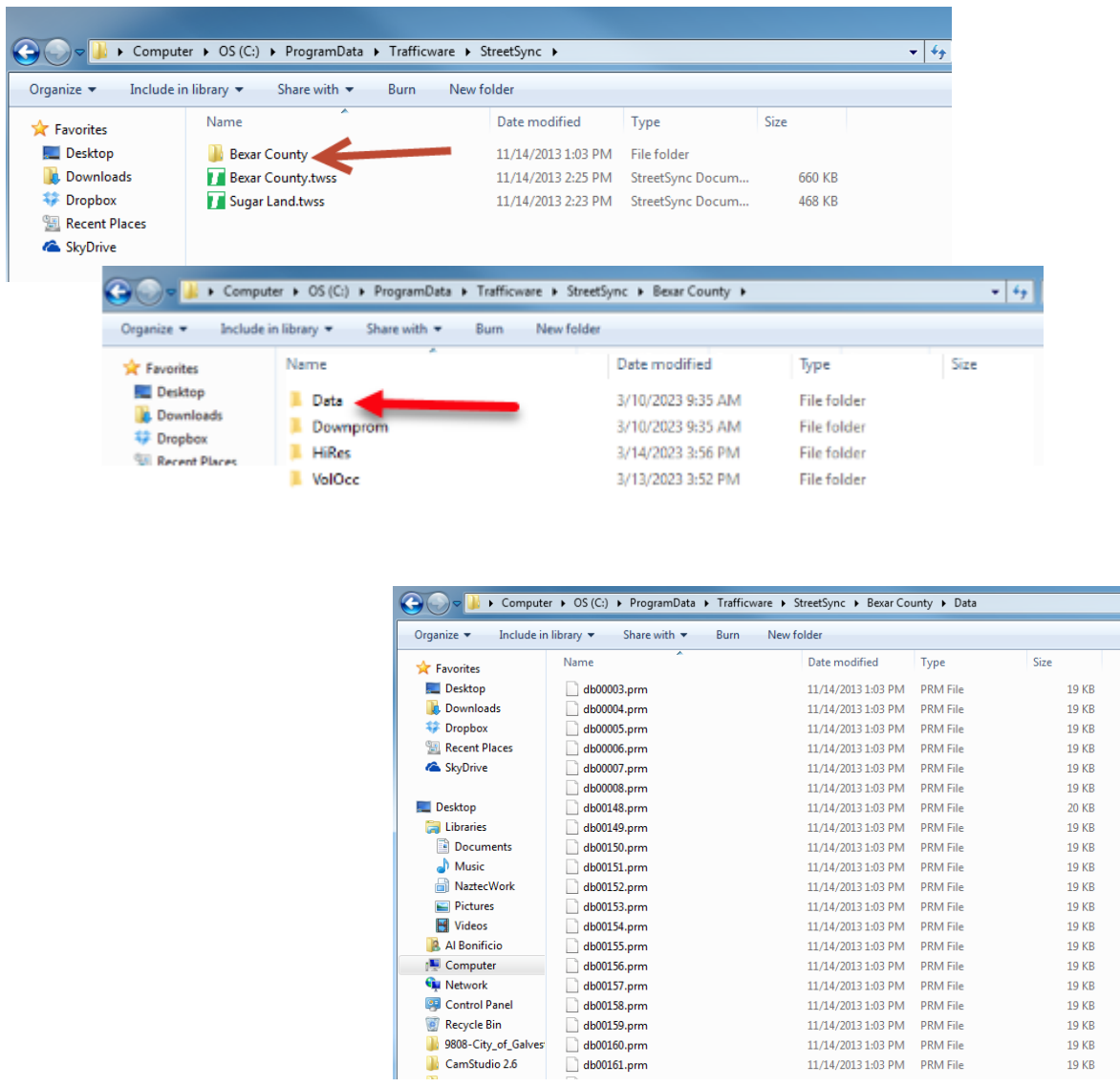
When the Sync is completed, a list of controllers will be displayed. Please note that the status of the transfer from ATMS to StreetSync is also displayed on the left side of the screen as shown below.



Considerations: Synchronizing Software

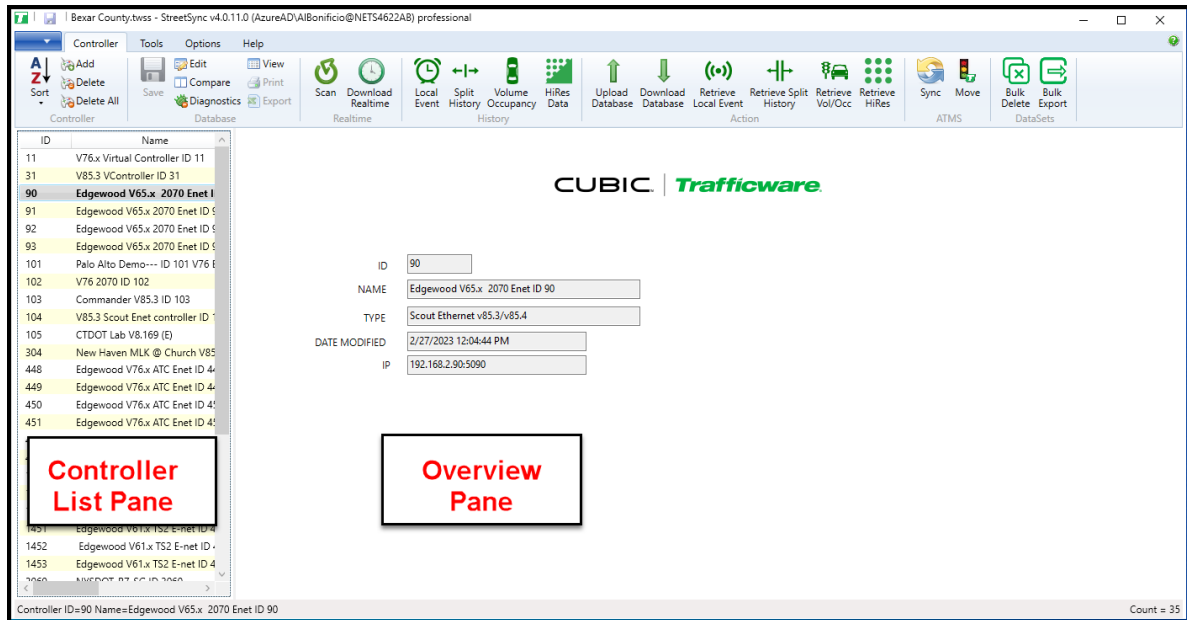
For existing controllers, the synchronization logic first compares the timestamps of the Upload file in ATMS with the “Last Updated” timestamp in ATMS StreetSync. If the “Last Updated” timestamp in StreetSync is newer than the Upload file in ATMS, the controller settings from StreetSync are copied to the Upload file of the corresponding controller in ATMS. If the Upload file in ATMS is equal to or newer than the “Last Updated” timestamp in StreetSync, then the timestamp of the Permanent file in ATMS is compared to the “Last Updated” timestamp in StreetSync. If the timestamp of the Permanent file in ATMS is newer than the “Last Updated” timestamp in StreetSync, then the Permanent file of the controller in ATMS is copied to StreetSync. Finally, if the controller name or type is different between ATMS and StreetSync, then the Permanent file of the controller in ATMS is copied to StreetSync.

Once synchronized StreetSync will create folders with the data as shown below.

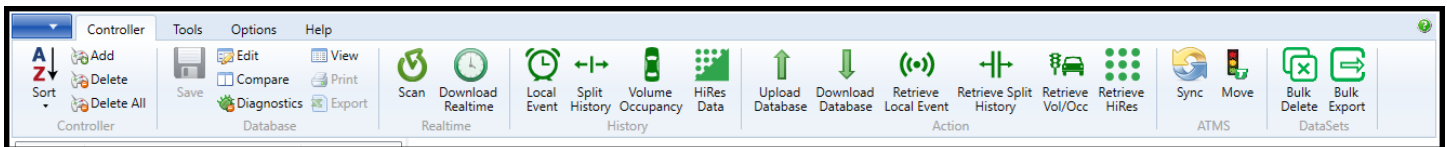


Initial Screen

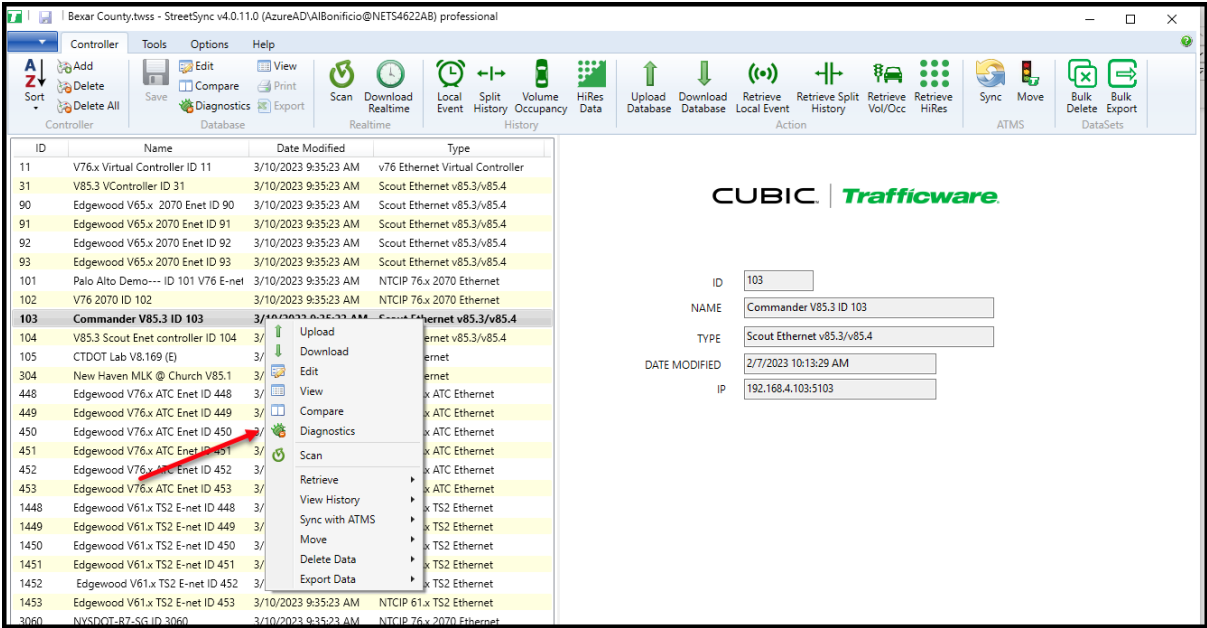
When the app first starts, it will display the list of controllers in the system as shown above. As already stated, this list will be populated from the application server after syncing from the server. There are two sizable windowpanes that the user can view: the Controller List pane and the Overview pane.



The user can select an intersection and access the various actions via the icons on the Action Bar as shown below.



Additionally, the user can select an intersection and right click to access the Actions as shown below.

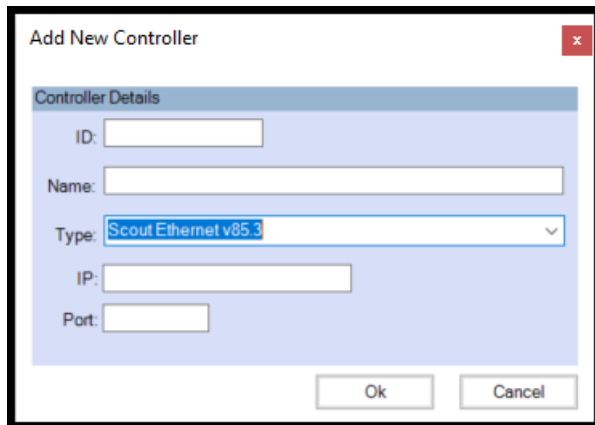
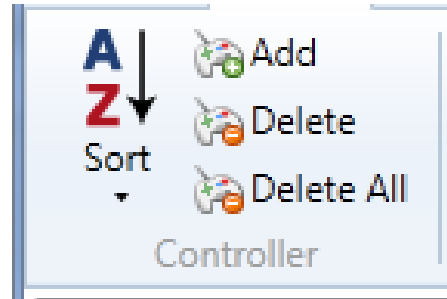


Controller Section

The controller section menu allows the user to modify the controller database that StreetSync utilizes.

Add

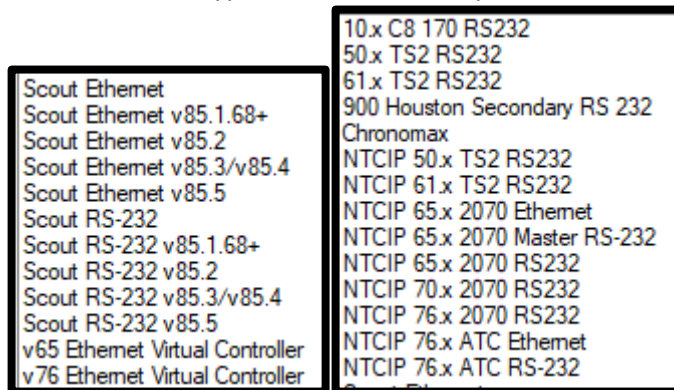
If you add a new controller to the StreetSync database, the following screen will be displayed.



ID: Choose an ID that is not in the database. Valid ID numbers are 1-63,535.

NAME: Give a description of this controller.

TYPE: this is the type of controller that you are communicating with. The types are listed below:



Scout Ethernet	10.x C8 170 RS232
Scout Ethernet v85.1.68+	50.x TS2 RS232
Scout Ethernet v85.2	61.x TS2 RS232
Scout Ethernet v85.3/v85.4	900 Houston Secondary RS 232
Scout Ethernet v85.5	Chronomax
Scout RS-232	NTCIP 50.x TS2 RS232
Scout RS-232 v85.1.68+	NTCIP 61.x TS2 RS232
Scout RS-232 v85.2	NTCIP 65.x 2070 Ethernet
Scout RS-232 v85.3/v85.4	NTCIP 65.x 2070 Master RS-232
Scout RS-232 v85.5	NTCIP 65.x 2070 RS232
v65 Ethernet Virtual Controller	NTCIP 70.x 2070 RS232
v76 Ethernet Virtual Controller	NTCIP 76.x 2070 RS232
	NTCIP 76.x ATC Ethernet
	NTCIP 76.x ATC RS-232

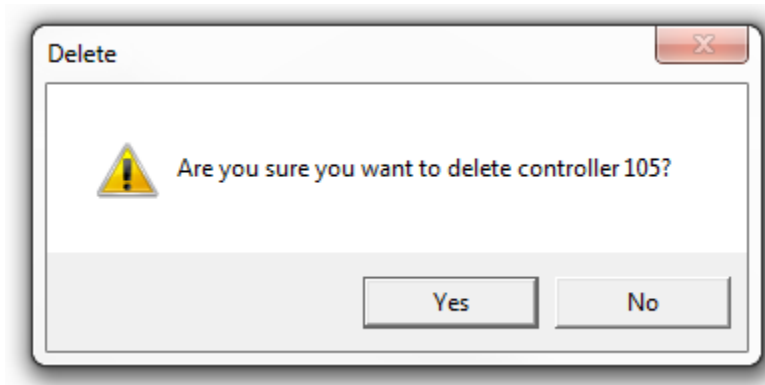
IP: this is the IP address if you select an Ethernet type controller. This is the address that is used when communicating with StreetSync.

Port: is the windows port number used when communicating with StreetSync.

Important: If you create a new controller on the laptop, it will be highlighted as a different color (**RED**) in the controller List Pane and will not be part of the ATMS configuration. If adding to a City/Jurisdiction's ATMS a corresponding Definition must be created in ATMS to match Controller I.D.#, Name, Type, I.P.# and Port #.

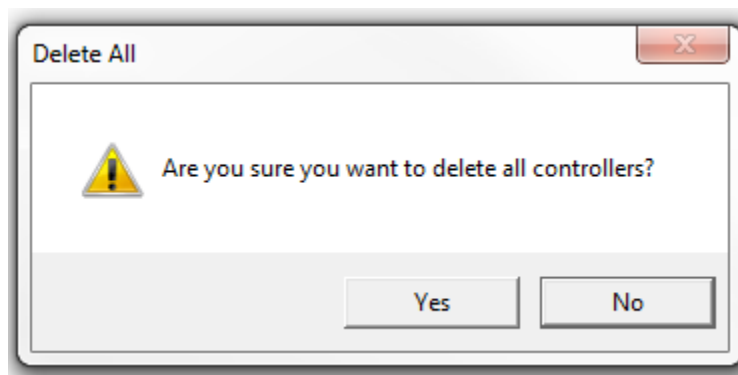
Delete

To delete a controller from the Street Sync Database, select it and select **Delete**. A confirmation screen will appear. By selecting **Yes**, the controller will be deleted.



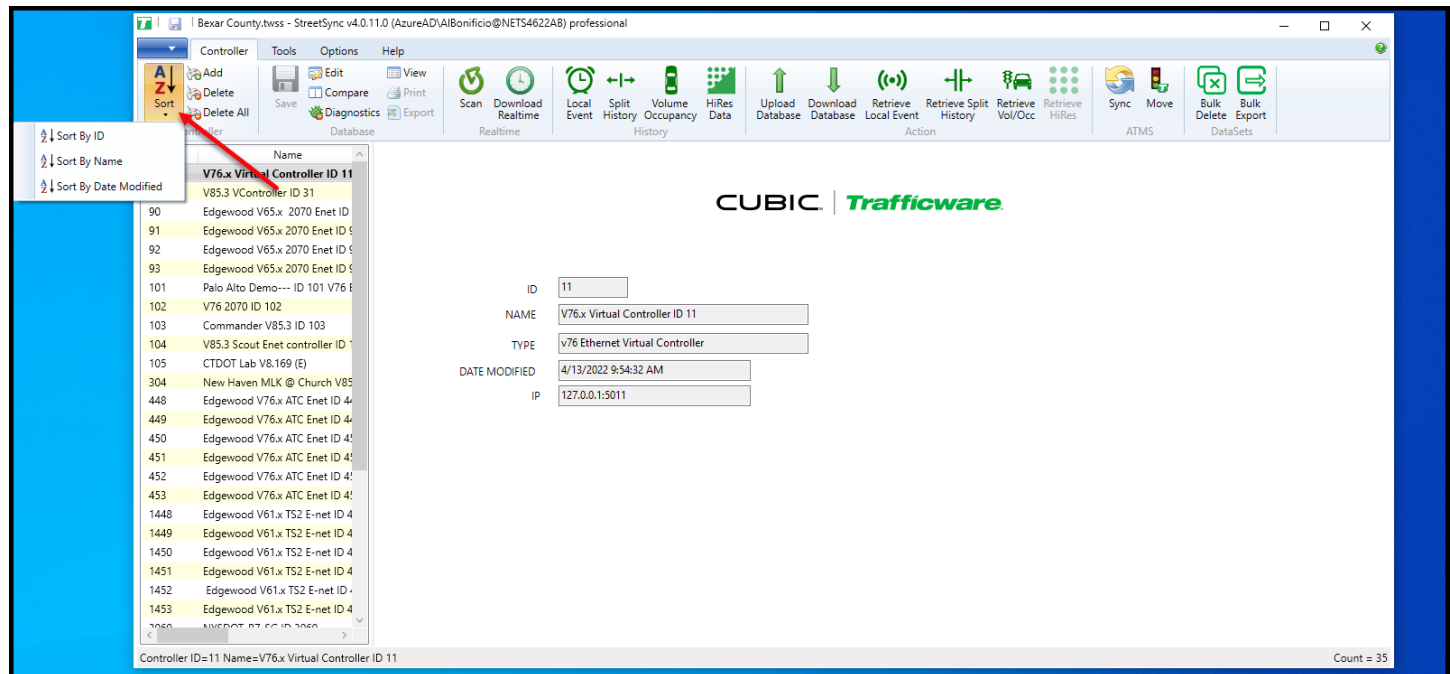
Delete All

This selection will delete all controllers from the StreetSync database. Again, a confirmation screen will appear.



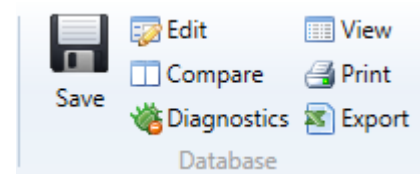
A-Z Sort ↓

You can sort the database by ID Number, by Controller Name or by the Date Modified by this selection or by double-clicking on the column fields in the List pane.



Database Section

The Database Section allows the user to select a database and view, modify and save database parameters for each controller. Once a user selects a controller the user can access this section.



NOTE: The Database Section is enabled using a machine specific license key. **Contact your Cubic | Trafficware representative on information on acquiring this capability.**

View

This selection allows the user to view data. The Save icon on the overview pane will be **greyed out** when view is selected. StreetSync provides a database Filter for easy navigation to the specific database categories of the selected database. The Filter categorizes the database according to the database categories provided in the controller. When a category is selected, the affiliated sub-categories will display in tabs within the window. If "All" is selected, every database tab will be displayed. The database tabs display and operate similar to Microsoft Excel. The Category Display will have tab's using the Full Name Menu (Both), Name only menu, and Controller Menu (in ascending Numerical order).

Controller #102 - Phase Times and Options(1.1.1/1.1.2)

Phase	Min Green	Gap Ext	Max1	Max2	Yellow Clr	Red Clr	Walk	Ped Clearance	Red Revert	Added Initial	Max Initial Time	Before Reduce	Cars Before Reduce	Time To Reduce	Reduce By	Min Gap	Dynamic
Phase 1	5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 2	5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0
Phase 3	5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 4	5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0
Phase 5	5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 6	5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0
Phase 7	5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 8	5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0
Phase 9	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 10	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 11	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 12	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 13	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 14	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 15	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 16	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0

Table 1

Adv Warning(1.1.9) / Auto Flash Params(1.4.1) / Auto Flash(1.4.2) / Call Inhibit Redirect Alt(1.1.6.3) / Channel Params(1.8) / Channels Assignments Plus(1.8.4/1.8.5) / Channels Assignments(1.8.1/1.8.2) / Console Params(1.2.1) / Detector Params(5.8.1) / ITS Cab Device / MMU Permissives(1.3.3) / MMU to Controller Mapping(1.3.5) / Overlap Alternate(1.5.2X.2) / Overlap Params(1.5.1) / Overlap Plus Params(1.5.1) / Overlap Programming(1.5.2X.1) / Overlap+(1.5.2X.2) / OverlapB+(1.5.2X.3) / Ped Params / Phase Options Alt(1.1.6.2) / Phase Times Alt(1.1.6.1) / Phase Times and Options(1.1.1/1.1.2) / Phase Times+ Alt(1.1.6.1) / Phase Times+ and Options+(1.1.3) / Phase Times+(1.1.7) / Purdue / Ring Input Map(1.2.5) / Ring Sequences(1.2.4) / SDLC Devices(1.3.7) / SDLC Params(1.3.4) / TOD Parameters(4.6) / Unit Params(1.2.1)

Filter: Controller Category Display: Full Name

Controller ID=102 Name=V76 2070 ID 102 Count = 35

Filter Selection	Category Display Selection
<div> <div><All></div> <div> Adaptive Alarms/Events Binding Communications Controller Coordination DCS Detectors I/O Lane Control Preemption Scheduler Security TSP </div> </div>	<div> <div>Full Name</div> <div> Full Name Name Controller Menu </div> </div>

The Category Display section will display each tab using the Full Name Menu (Both), Name only menu, and Controller Menu (in ascending Numerical order).

Please Note that this feature may not be available for all controller types.

Category Display

Full Name

Full Name
Name
Controller Menu

Below is an example of the Controller Filter tab displays based on the Category display selection as shown below:

Full Name

AdvWarning(1.1.9)

Auto Flash Params(1.4.1)

Auto Flash Phase/Overlap(1.4.2)

Call Inhibit Redirect.Alt(1.1.6.3)

Channel Params(1.2.1/1.8.3)

Channels Assignments Plus(1.8.4/1.8.5)

Channels Assignments(1.8.1/2)

CMU Permissives (1.3.9)

Detector Params(5.8.1)

General Overlap Parameters(1.5.1)

ITS Cab Device SIU Critical (1.3.7.1)

ITS Cab Device(1.3.7/1.3.4)

Logging Purdue(1.9.5)

MMU Permissives(1.3.3)

MMU to Controller Mapping(1.3.5)

Overlap Confl Prog+(1.5.2.X.2)

Overlap Program Params+(1.5.2.X.3)

Overlap Programming(1.5.2.X.1)

Ped Params(1.2.1.Ped)

Phase Options.Alt(1.1.6.2)

Phase Times.Alt(1.1.6.1)

Phase Times and Options(1.1.1/1.1.2/1.1.4)

Phase Times+ Alt(1.1.6.4)

Phase Times+ and Options+(1.1.3/1.1.5)

Phase Times+(1.1.7)

Ring Input Map(1.2.5)

Ring Sequences(1.2.4)

SDLC Devices(1.3.1)

SDLC Params(1.3.4)

Unit Params(1.2.1)

Filter

Controller

Category Display

Full Name

Name

AdvWarning

Auto Flash Params

Auto Flash Phase/Overlap

Call Inhibit Redirect.Alt

Channel Params

Channels Assignments

Channels Assignments Plus

CMU Permissives

Detector Params

General Overlap Parameters

ITS Cab Device

ITS Cab Device SIU Critical

Logging Purdue

MMU Permissives

MMU to Controller Mapping

Overlap Confl Prog+

Overlap Program Params+

Overlap Programming

Ped Params

Phase Options.Alt

Phase Times.Alt

Phase Times and Options

Phase Times+

Phase Times+ Alt

Phase Times+ and Options+

Ring Input Map

Ring Sequences

SDLC Devices

SDLC Params

Unit Params

Filter

Controller

Category Display

Name

Controller Menu

1.1.1/1.1.2/1.1.4

1.1.3/1.1.5

1.1.6.1

1.1.6.2

1.1.6.3

1.1.6.4

1.1.7

1.1.9

1.2.1

1.2.1.Ped

1.2.1/1.8.3

1.2.4

1.2.5

1.3.1

1.3.3

1.3.4

1.3.5

1.3.7/1.3.4

1.3.7

1.3.9

1.4.1

1.4.2

1.5.1

1.5.2.X.1

1.5.2.X.2

1.5.2.X.3

1.8.1/2

1.8.4/1.8.5

1.9.5

5.8.1

Filter

Controller

Category Display

Controller Menu

Edit

This selection allows the user to edit and modify data. The Save icon on the overview pane will be highlighted in Black when Edit is selected. StreetSync provides a database Filter for easy navigation to the specific database category of the selected database. The Filter categorizes the database according to the database categories provided in the controller. When a category is selected, the affiliated sub-categories will display in tabs within the window. If "All" is selected, every database tab will be displayed. The database tabs display and operate similar to Microsoft Excel.

Controller #102 - Phase Times and Options(1.1.1/1.1.2)

Phase	Min Green	Gap Ext	Max1	Max2	Yellow Clr	Red Clr	Walk	Ped Clearance	Red Revert	Added Initial	Max Initial Time	Before Reduce	Cars Before Reduce	Time To Reduce	Reduce By	Min Gap	Dynamic
Phase 1	5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 2	5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0
Phase 3	5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 4	5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0
Phase 5	5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 6	5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0
Phase 7	5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 8	5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0
Phase 9	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 10	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 11	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 12	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 13	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 14	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 15	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 16	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0

Table 1

Adv Warning(1.1.9) / Auto Flash Parms(1.4.1) / Auto Flash(1.4.2) / Call Inhibit Redirect Alt(1.1.6.3) / Channel Parms(1.8) / Channels Assignments Plus(1.8.4/1.8.5) / Channels Assignments(1.8.1/1.8.2) / Console Parms(1.2.1) / Detector Parms(5.8.1) / ITS Cab Device / MMU Permissives(1.3.3) / MMU to Controller Mapping(1.3.5) / Overlap Alternate(1.5.2) / Overlap Parms(1.5.1) / Overlap Plus Parms(1.5.1) / Overlap Programming(1.5.2X.1) / Overlap+(1.5.2X.2) / OverlapB+(1.5.2X.3) / Ped Parms / Phase Options Alt(1.1.6.2) / Phase Times Alt(1.1.6.1) / Phase Times and Options(1.1.1/1.1.2) / Phase Times+ Alt(1.1.6.1) / Phase Times+ and Options+(1.1.3) / Phase Times+(1.1.7) / Purdue / Ring Input Map(1.2.5) / Ring Sequences(1.2.4) / SDLC Devices(1.3.7) / SDLC Parms(1.3.4) / TOD Parameters(1.1.1) / Unit Parms(1.2.1)

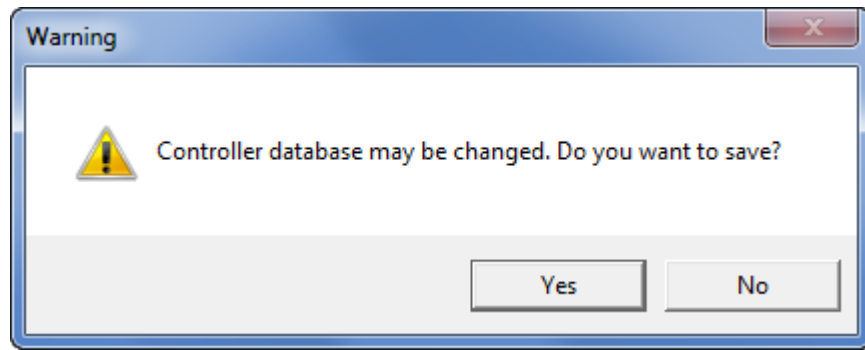
Filter: Controller Category Display: Full Name

Controller ID=102 Name=V76 2070 ID 102 Count = 35

NOTE: After editing data in a cell the user **MUST** click on another cell for the editing change to be saved to the StreetSync database. Press the Save icon when all changes have been completed. You will see a warning prompt that controller changes have been made. Do you wish to save Yes or No. (See **Save** section)

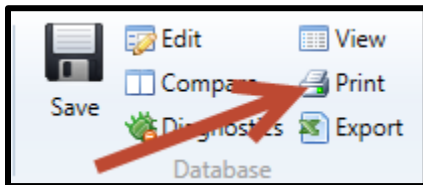
Save

Once editing is complete, **Save** will write the changes to the database. After selecting **Save**, the following window will appear. Navigate to the Save Screen by clicking on another icon or menu item.



Selecting YES will save the database. All Data which is edited using StreetSync is saved on the /nazserv/data directory on the StreetSync PC. When editing is completed, the updated .PRM file is then time stamped.

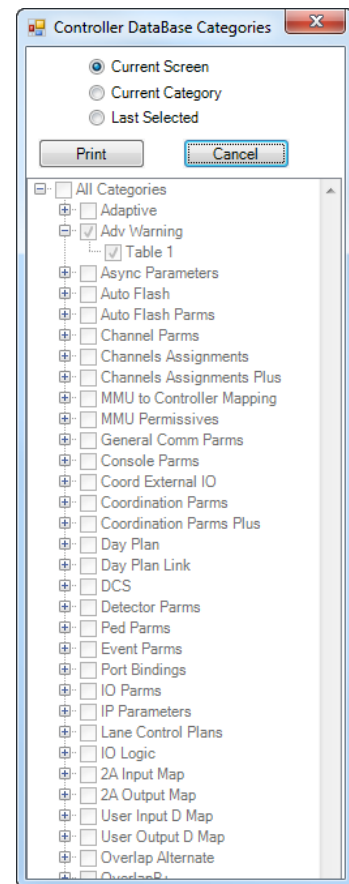
Print



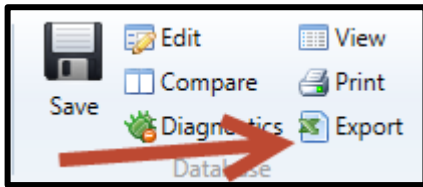
While you are still in the edit screen, the user may print out selected sheets via the **Print** command. This command will allow the user to select tabs to print out to a printer. When **Print** is selected a drop down menu appears as shown below.

The user can select which sheets to print out via the 3 radio buttons on the top of the screen.

- **Current Screen** will print the current screen being edited.
- **Current Category** will print the current screens under the category that is being edited.
- **Last Selected** will allow the user to select categories and/or screens to be printed including all screens.



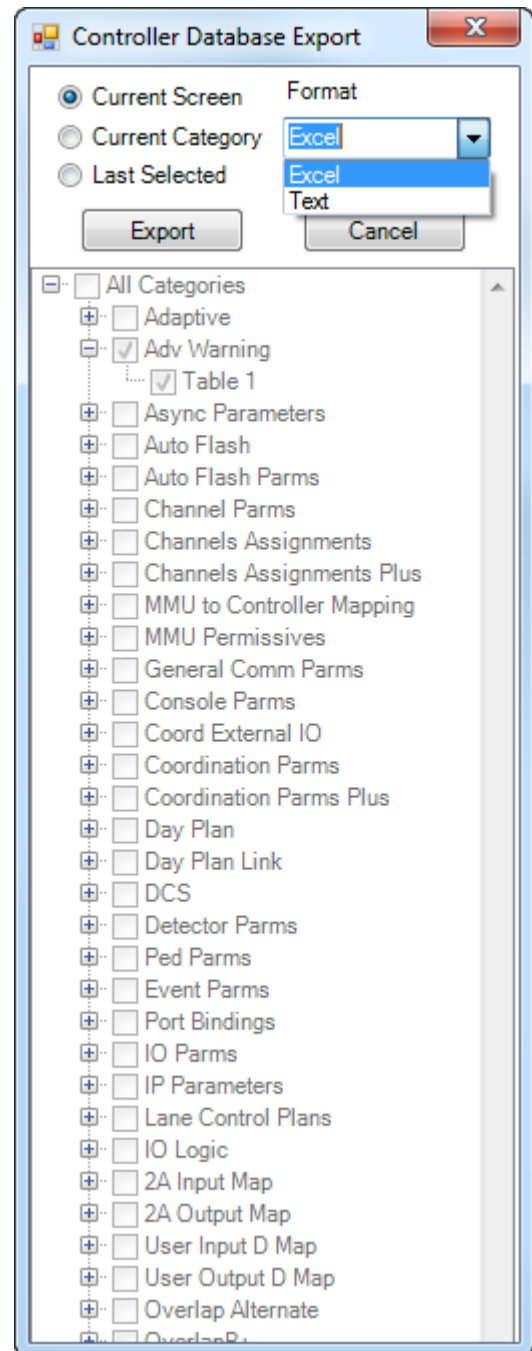
Export



While in either the edit or View mode the user may export selected sheets via the **Export** command. This command will allow the user to select tabs to export to an Excel or a text file. When **Export** is selected a drop down menu appears as shown below.

The user can select which sheets to export out via the 3 radio buttons on the top of the screen.

- **Current Screen** will print the current screen being edited.
- **Current Category** will print the current screens under the category that is being edited.
- **Last Selected** will allow the user to select categories and/or screens to be printed including all screens.



Compare

The user can compare the StreetSync database parameters with the controller's data. When accessing Compare, the Upload window will appear:

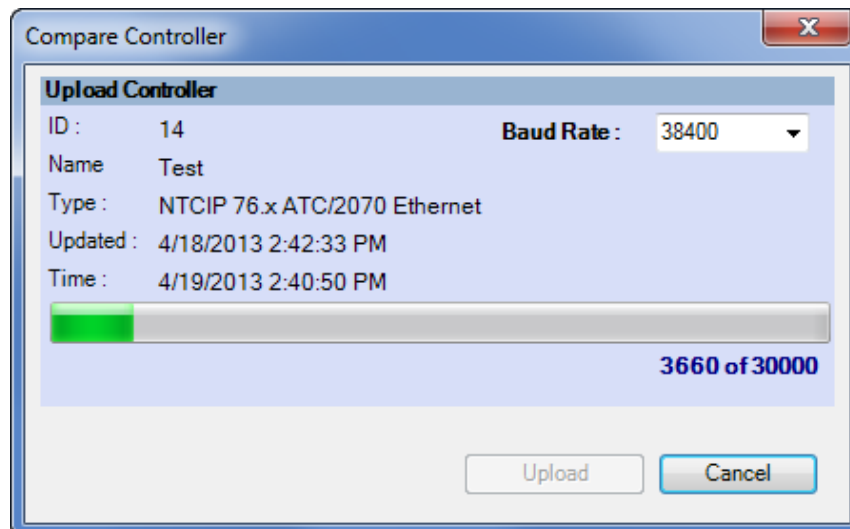
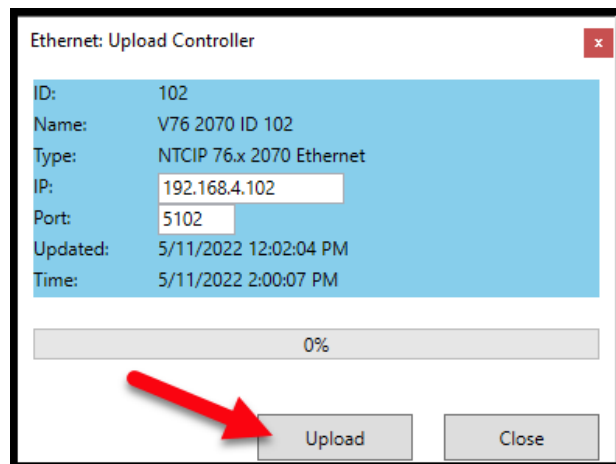
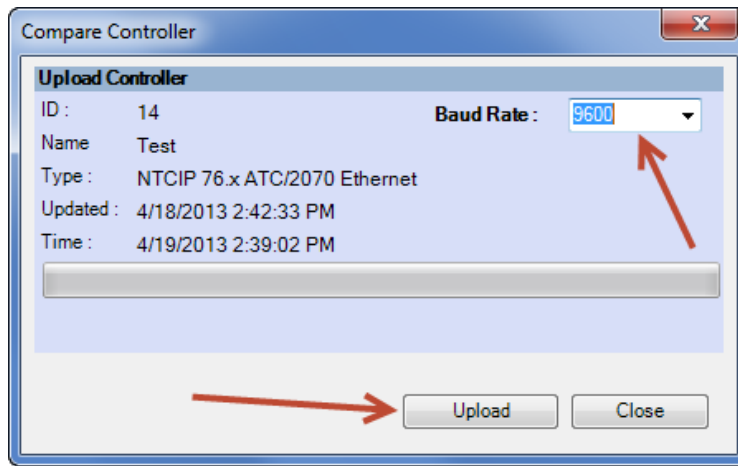
NOTE: When comparing database user must not upload before compare. Uploading first will modify the data file.

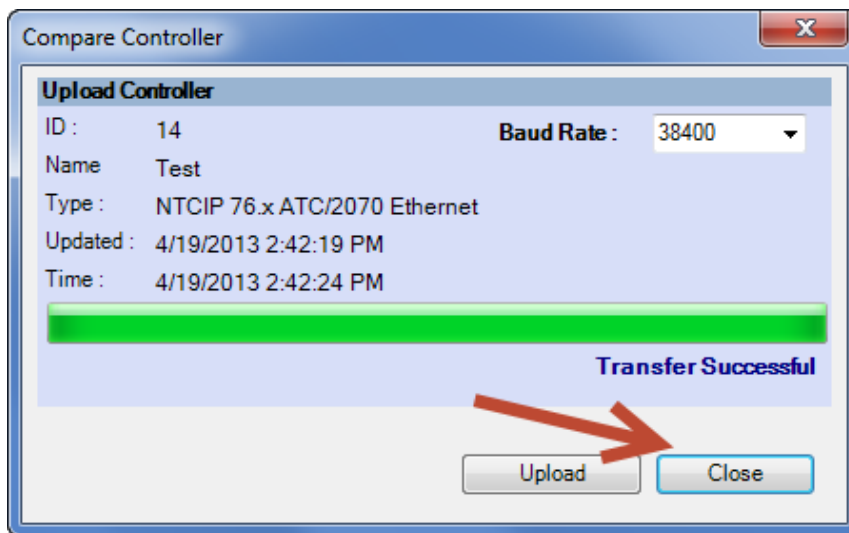
The screenshot shows the StreetSync software interface. On the left, a list of controllers is displayed, with 'V76 2070 ID 102' selected. The main window shows the 'Compare' tab for 'Controller #102 - Phase Times and Options(1.1.1/1.1.2)'. A dialog box titled 'Ethernet: Upload Controller' is open, showing details for the selected controller: ID: 102, Name: V76 2070 ID 102, Type: NTCIP 76.x 2070 Ethernet, IP: 192.168.4.102, Port: 5102, Updated: 2/16/2023 2:57:09 PM, Time: 3/6/2023 4:00:04 PM. The dialog has 'Upload' and 'Close' buttons. A red arrow points to the 'Compare' button in the top toolbar, and another red arrow points to the 'Upload' button in the dialog box.

Phase	Min Green	Gap Ext	Max1	Max2	Yellow Clr	Red Clr	Walk	Ped Clearance	Red Revert	Added Initial	Max Initial Time	Before Reduce	Cars Before Reduce	Time To Reduce	Reduce By	Min Gap	Dynamic
Phase 1	5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 2	5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0
Phase 3	5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 4	5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0
Phase 5	5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 6	5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0
Phase 7	5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 8	5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0
Phase 9	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 10	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 11	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 12	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 13	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 14	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 15	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0
Phase 16	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0

When using serial communications, you can select the proper BAUD Rate to match your controller's serial communications speed via the drop-down menu. When using IP communications, setting BAUD is not necessary. Hitting Upload will begin the process of uploading data.

Note: If you are Editing and want to compare without being connected to a controller. Simply press Close on this screen and you will be prompted to save changes.





Once the upload is completed, select Close and the following Database Compare screen will appear on the Overview Pane:

Parameter	ID 102 PRM	ID 102 UPL
1. Concur 7	0	0
1. Concur 8	0	0
2. Walk	5	5
2. Ped Clearance	10	10
2. Min Green	5	5
2. Gap Ext	2	3
2. Max1	25	25
2. Max2	50	50
2. Yellow Clr	3.5	3.5
2. Red Clr	1.5	1.5
2. Red Revert	0	0
2. Added Initial	0	0
2. Max Initial	0	0
2. Time Before Reduce	0	0
2. Cars Before Reduce	0	0
2. Time To Reduce	0	0
2. Reduce By	0	0
2. Min Gap	0	0

Table 1

Overlap Plus Params(1.5.1) / Overlap Programming(1.5.2.X.1) / Overlap+(1.5.2.X.2) / OverlapB+(1.5.2.X.3) / Pattern B Plus(2.3) / Pattern Plus(2.5) / Patterns(2.4) / Ped Dets Alt(5.5.X.1) / Ped Dets(5.4) / Ped Params Peer(1.9.3) / Phase Options Alt(1.1.6.2) / Phase Times Alt(1.1.6.1) / Phase Times and Options(1.1.1/1.1.2) / Phase Times+ Alt(1.1.6.1) / Phase Times+ and Options+(1.1.3) / Phase Times+(1.1.7) / Port Bindings(6.6) / Port Parameters(6.2) / Preempt 7-12(3.1.X.1) / Preempt AdvTimes/InitDwell 7-12(3.1.X.8/3.1.X.9) / Preempt AdvTimes/InitDwell(3.1.X.8/3.1.X.9) / Preempt LP(3.4.X) / Preempt Params(3.1.X.3) / Preempt(3.1.X.1) / Preempt+ 7-12(3.1.X.6) / Preempt+(3.1.X.6) / Preemption Events(3.2.X) / Preemption Sequences(3.3.X) / Purdue / Ring Input Map(1.2.5) / Ring Sequences(1.2.4) / SDLC Devices(1.3.7) / SDLC Params(1.3.4)

Database Configurations

Show Only Differences

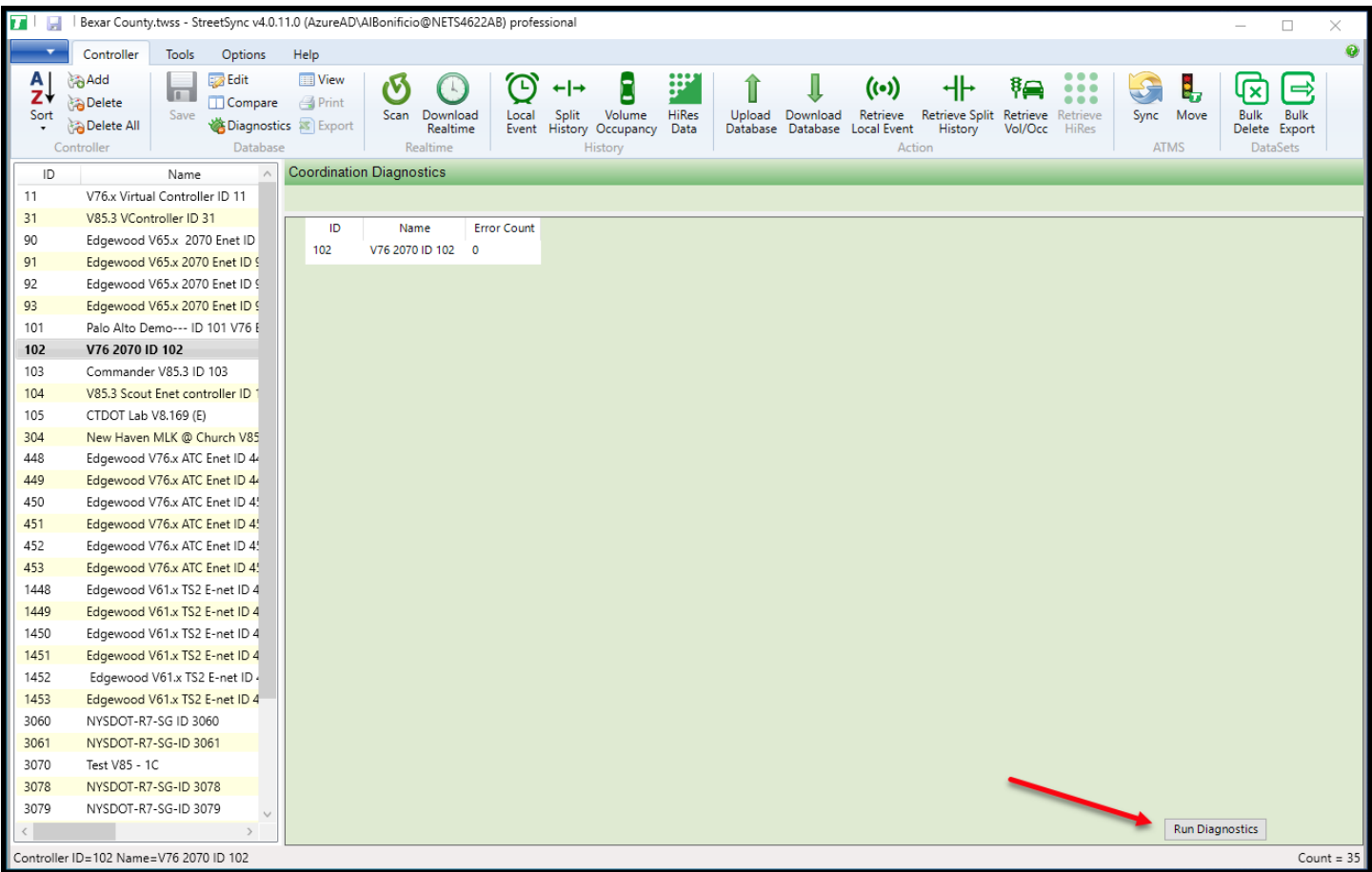
Count = 35

Differences are easily located and identified between the StreetSync database (PRM) and the uploaded database from the controller (UPL). Database differences are shown by color coding each database category tab and corresponding database parameter in **RED**. This will occur when a difference is present between the database types.

Note: The user can make note of these differences and edit the database if needed. All changes will be prompted to save to the PRM. file before exiting.

Diagnostics

The Coordination Diagnostics feature enables the user to run coordination database checks prior to download or by uploading an active database to run a diagnostics from ATMS. Users can run diagnostics on .PRM databases from StreetSync. Once this is selected, the following screen will be shown.



Select Run Diagnostics to run coordination diagnostics.

If the database passes the diagnostics check, the controller line will be highlighted GREEN as shown below

The screenshot shows the StreetSync v4.0.11.0 interface. The 'Controller' list on the left has 'V76 2070 ID 102' highlighted in green. The 'Coordination Diagnostics' window on the right shows a table with one entry: 'V76 2070 ID 102' with an 'Error Count' of 0, also highlighted in green. A red arrow points to the 'Error Count' cell. The status bar at the bottom indicates 'Controller ID=102 Name=V76 2070 ID 102' and 'Count = 35'.

ID	Name	Error Count
102	V76 2070 ID 102	0

If a database does not pass the diagnostics, it will be highlighted in RED and each individual error will be described. In the picture below, the database has been found with an error.

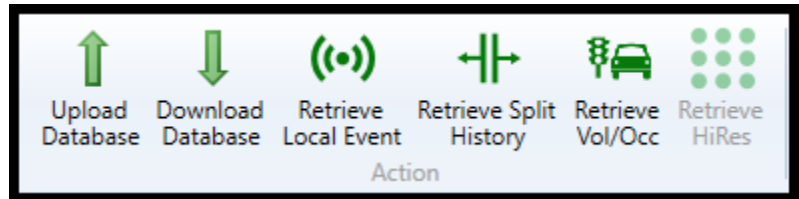
The screenshot shows the StreetSync v4.0.11.0 interface. The 'Controller' list on the left has 'V76 2070 ID 102' highlighted in red. The 'Coordination Diagnostics' window on the right shows a table with one entry: 'V76 2070 ID 102' with an 'Error Count' of 2, also highlighted in red. A red arrow points to the 'Error Count' cell. Below the table, two error messages are listed: 'Error: Phase Split Validation - Calculated Phase Time (20) > the minimum Split - Shortway allotment(18) with Actual Split: 20 Pattern: 21 in Split :21 - Phase : 1.' and 'Error: Phase Split Validation - Calculated Phase Time (20) > the minimum Split - Shortway allotment(18) with Actual Split: 20 Pattern: 1 in Split :1 - Phase : 1.' The status bar at the bottom indicates 'Controller ID=102 Name=V76 2070 ID 102 has been saved' and 'Count = 35'.

ID	Name	Error Count
102	V76 2070 ID 102	2

Error: Phase Split Validation - Calculated Phase Time (20) > the minimum Split - Shortway allotment(18) with Actual Split: 20 Pattern: 21 in Split :21 - Phase : 1.
Error: Phase Split Validation - Calculated Phase Time (20) > the minimum Split - Shortway allotment(18) with Actual Split: 20 Pattern: 1 in Split :1 - Phase : 1.

Action Section

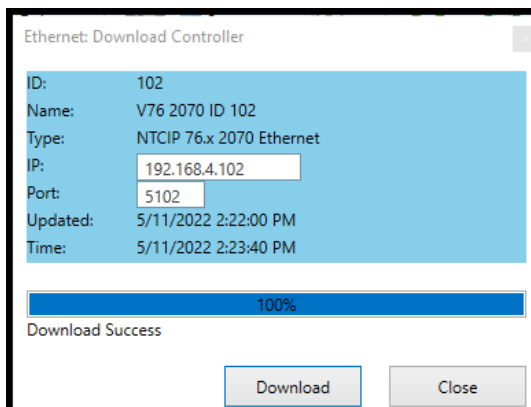
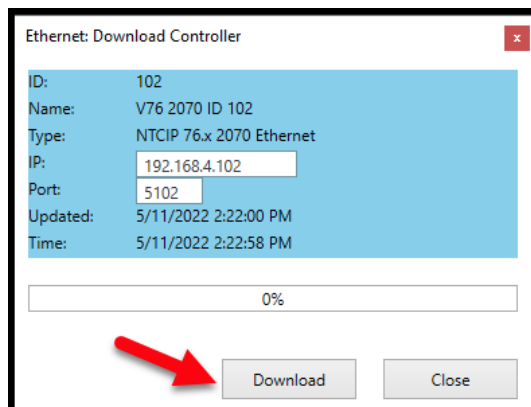
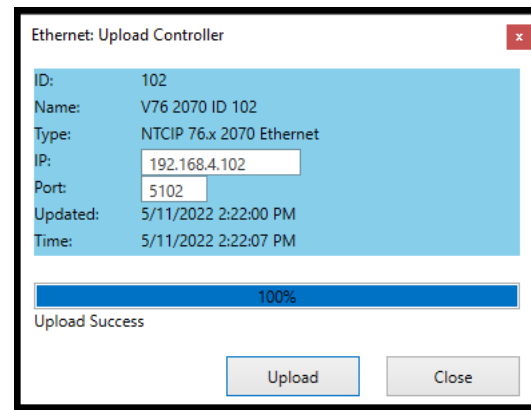
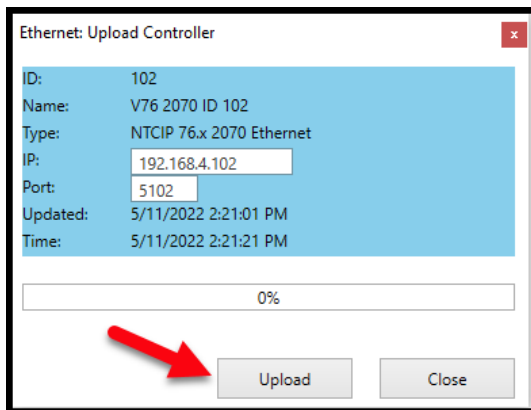
The Action menu will appear on the menu bar. All actions are “instance” actions, meaning that they are only enabled when a controller is selected.



Upload / Download

The Upload / Download selections work the same way as in ATMS. The user selects a controller from the list, and then chooses the **Upload** or **Download** menu item. The app then displays the screen depicted below, indicating the selected controller. The user may then click either the **Upload** or **Download** menu item to transfer data between the device and the controller.

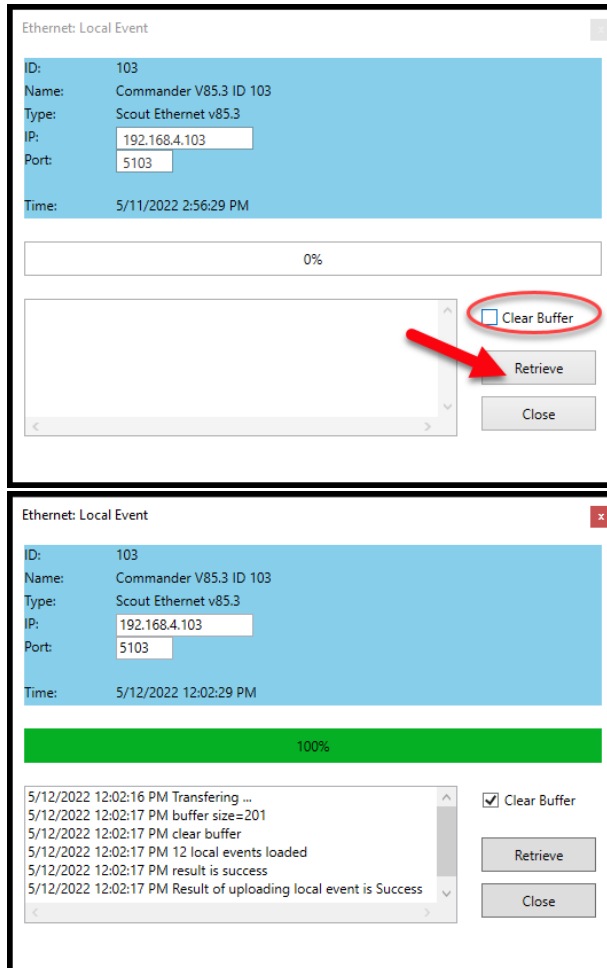
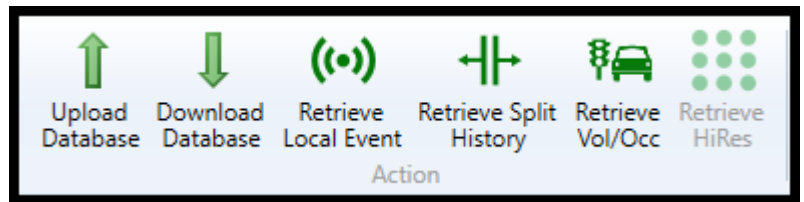
A screen will appear to allow the user to begin the Upload or Download. Select the action from the menu bar and the upload/download process will occur. A progress bar indicating how much of the laptop data has been transferred from (upload) or to (download) the controller. The user may cancel the operation at any time. When the Synchronization is complete, the progress bar displays **Upload Success** or **Download Success**. **Note: If Communications are interrupted or transfer times out, close the StreetSync app and re-open.**



Note: Controllers using Patriot [V76.x] or Scout [V85.x] software can (and should) communicate using a direct connect Ethernet cable. See Options section of this manual for more information.

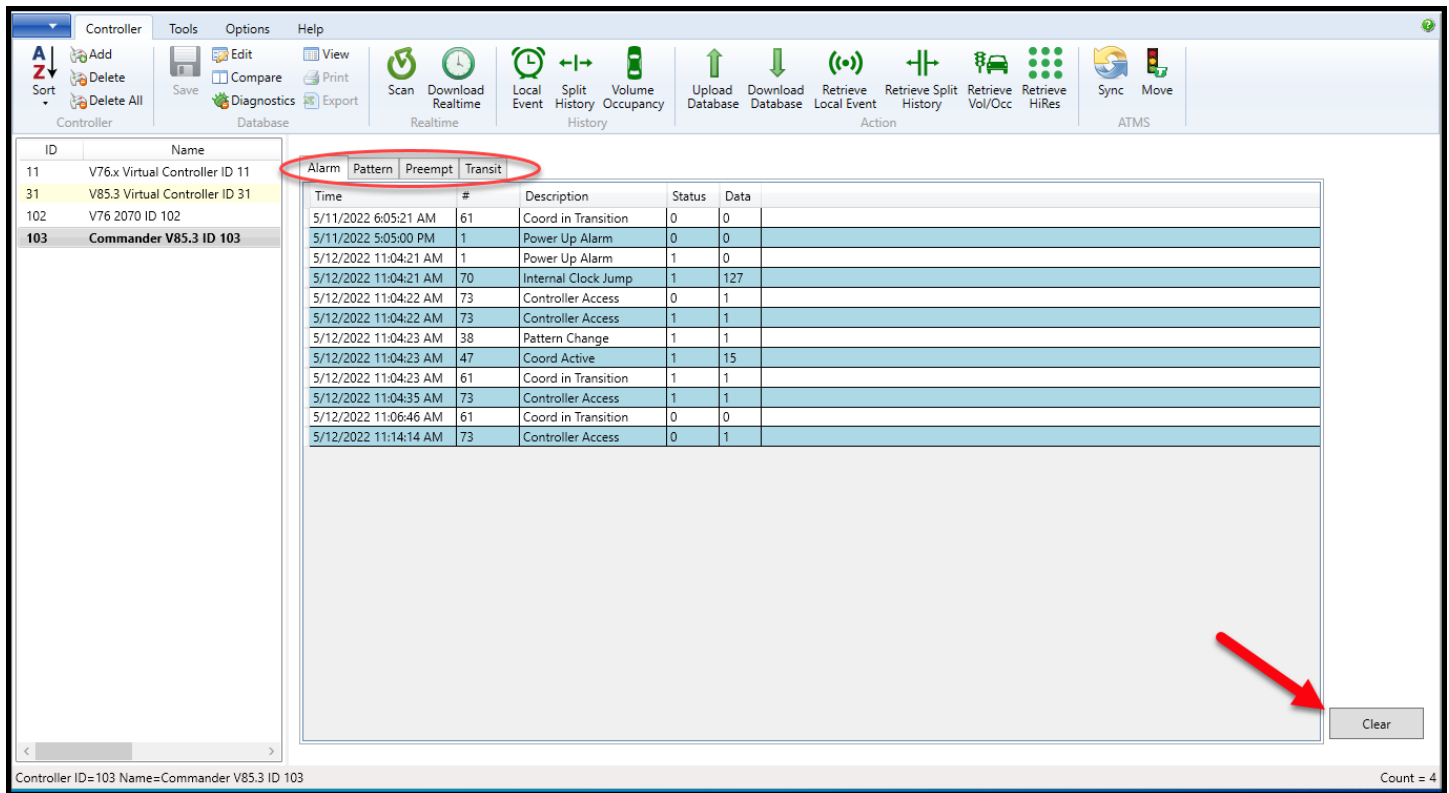
Retrieve Local Event

This selection will upload and display any selected local events (alarms) from the controller that were set in its database. Once selected the following screen will be displayed.



Selecting **Retrieve** will get the data from the Local event data. The Clear Buffer selection will clear the buffer in the controller after retrieving the data. Once the data is retrieved a report is generated on the overview pane which displays the data. There are four Local Event categories that can be displayed: Alarms, Patterns, Pre-emption and transit. Below is an Alarm data sample. If data needs to remain in the controller bin, simply uncheck Clear Buffer.

Local Event



The screenshot shows the ATMS StreetSync software interface. The 'Local Event' window is open, displaying a list of events for Controller ID 103, Commander V85.3 ID 103. The events are listed in a table with columns: Time, #, Description, Status, and Data. A red circle highlights the 'Alarm' tab, and a red arrow points to the 'Clear' button at the bottom right of the event list.

Time	#	Description	Status	Data
5/11/2022 6:05:21 AM	61	Coord in Transition	0	0
5/11/2022 5:05:00 PM	1	Power Up Alarm	0	0
5/12/2022 11:04:21 AM	1	Power Up Alarm	1	0
5/12/2022 11:04:21 AM	70	Internal Clock Jump	1	127
5/12/2022 11:04:22 AM	73	Controller Access	0	1
5/12/2022 11:04:22 AM	73	Controller Access	1	1
5/12/2022 11:04:23 AM	38	Pattern Change	1	1
5/12/2022 11:04:23 AM	47	Coord Active	1	15
5/12/2022 11:04:23 AM	61	Coord in Transition	1	1
5/12/2022 11:04:35 AM	73	Controller Access	1	1
5/12/2022 11:06:46 AM	61	Coord in Transition	0	0
5/12/2022 11:14:14 AM	73	Controller Access	0	1

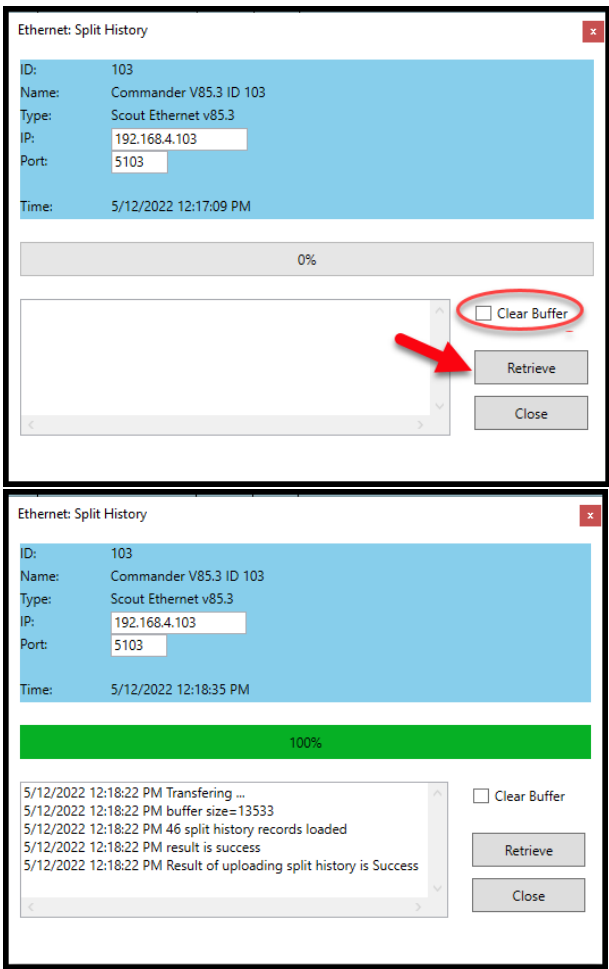
Controller ID=103 Name=Commander V85.3 ID 103

Count = 4

Please note that Selecting **Clear** will clear the data from the StreetSync overview pane screen as well as the alarm buffer.

Retrieve Split History

This selection will upload the current split history buffer data. Once selected the following screen will be displayed.



Selecting **Retrieve** will get the data from the Local event data. The Clear Buffer selection will clear the buffer in the controller after retrieving the data. Once the data is retrieved a report is generated. See the History Section below for details on the Split history report.

Retrieve Vol/Occ

This selection will upload the current volume/occupancy buffer data. Once selected the following screen will be displayed.

The image shows two sequential screenshots of the 'Retrieve Volume / Occupancy' dialog box. Both screenshots display the following information:

- ID : 103
- Name : Commander V85.3 ID 103
- Type : Scout Ethernet v85.3
- IP : 192.168.4.103
- Port : 5103
- Total Files : 23

Left Screenshot: Shows 'Downloaded Files:' and 'Completed(%) : 0%'. A red arrow points to the 'Retrieve' button. The 'Close' button is also visible.

Right Screenshot: Shows 'Downloaded Files: 2 out of 23' and 'Completed(%) : 8%'. A green progress bar is partially filled. The 'Retrieve' button is disabled, and a 'Cancel' button is active.

The volume/occupancy data retrieval may take a few minutes depending on the time between downloads. Once completed the following screen will be displayed with the Message "Download Successful".

The image shows the 'Retrieve Volume / Occupancy' dialog box after the retrieval process is complete. The status is 'Completed(%) : 100%' and 'Downloaded Files: 23 out of 23'. A green progress bar is fully filled. The message 'Download Successful' is displayed in a red oval at the bottom left. The 'Retrieve' button is disabled, and the 'Close' button is active.

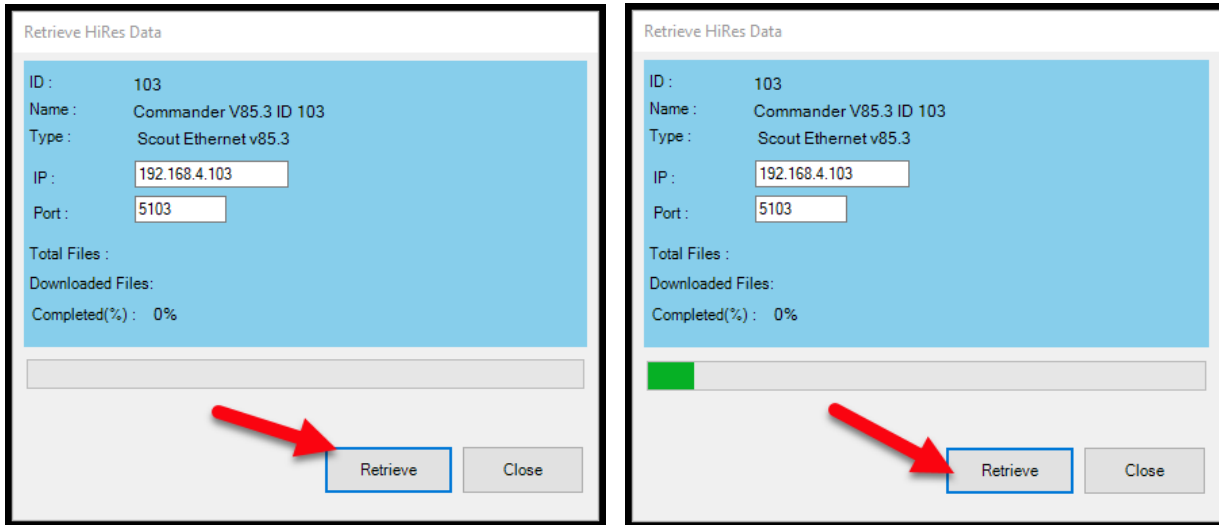
Once the data is retrieved a report is generated. See the History Section below for details on the Vol/Occ report.

Retrieve HiRes

This selection will upload the current High-Resolution data if logging is turned on in the controller.

Note: Retrieving and displaying High Resolution Data in StreetSync is only available on Scout/V85.x controllers.

Once selected the following screen will be displayed.

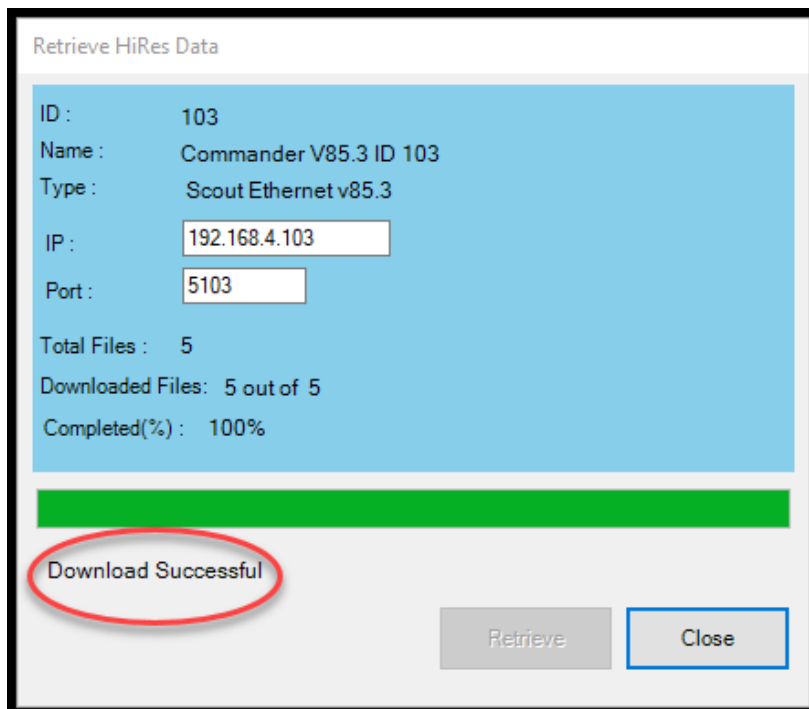


Retrieve HiRes Data

ID : 103
Name : Commander V85.3 ID 103
Type : Scout Ethernet v85.3
IP : 192.168.4.103
Port : 5103
Total Files :
Downloaded Files:
Completed(%) : 0%

Retrieve Close

The High-Resolution data retrieval may take a few minutes depending on the time between downloads. Once completed the following screen will be displayed with the Message “Download Successful”.



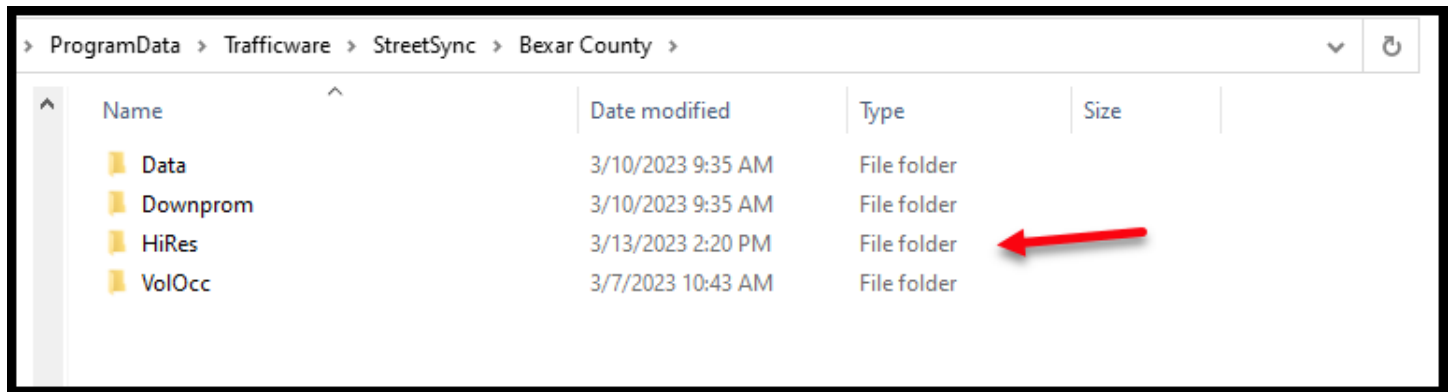
Retrieve HiRes Data

ID : 103
Name : Commander V85.3 ID 103
Type : Scout Ethernet v85.3
IP : 192.168.4.103
Port : 5103
Total Files : 5
Downloaded Files: 5 out of 5
Completed(%) : 100%

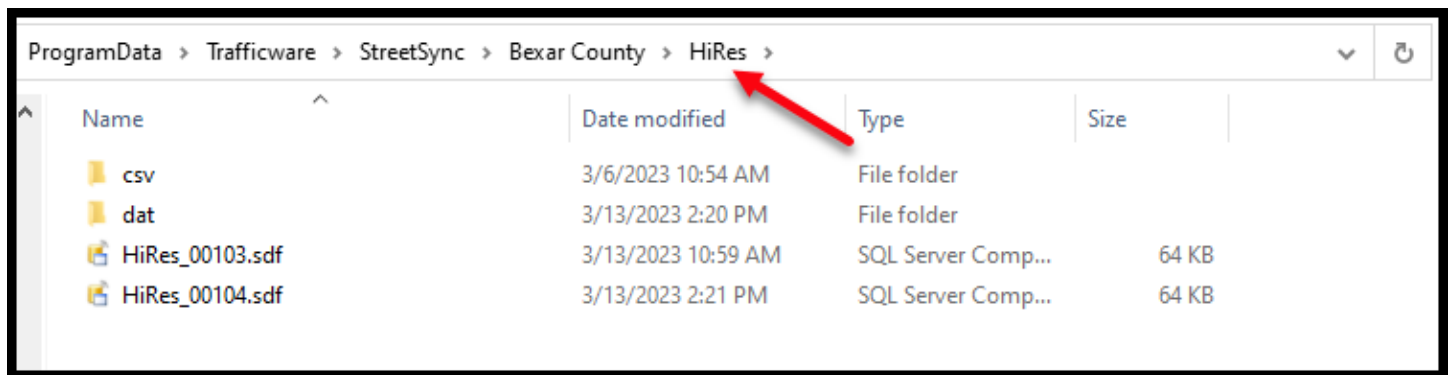
Download Successful

Retrieve Close

High resolution data is found on the hard drive under the Program Data directory's Trafficware folder as shown below. **See Open File Location**

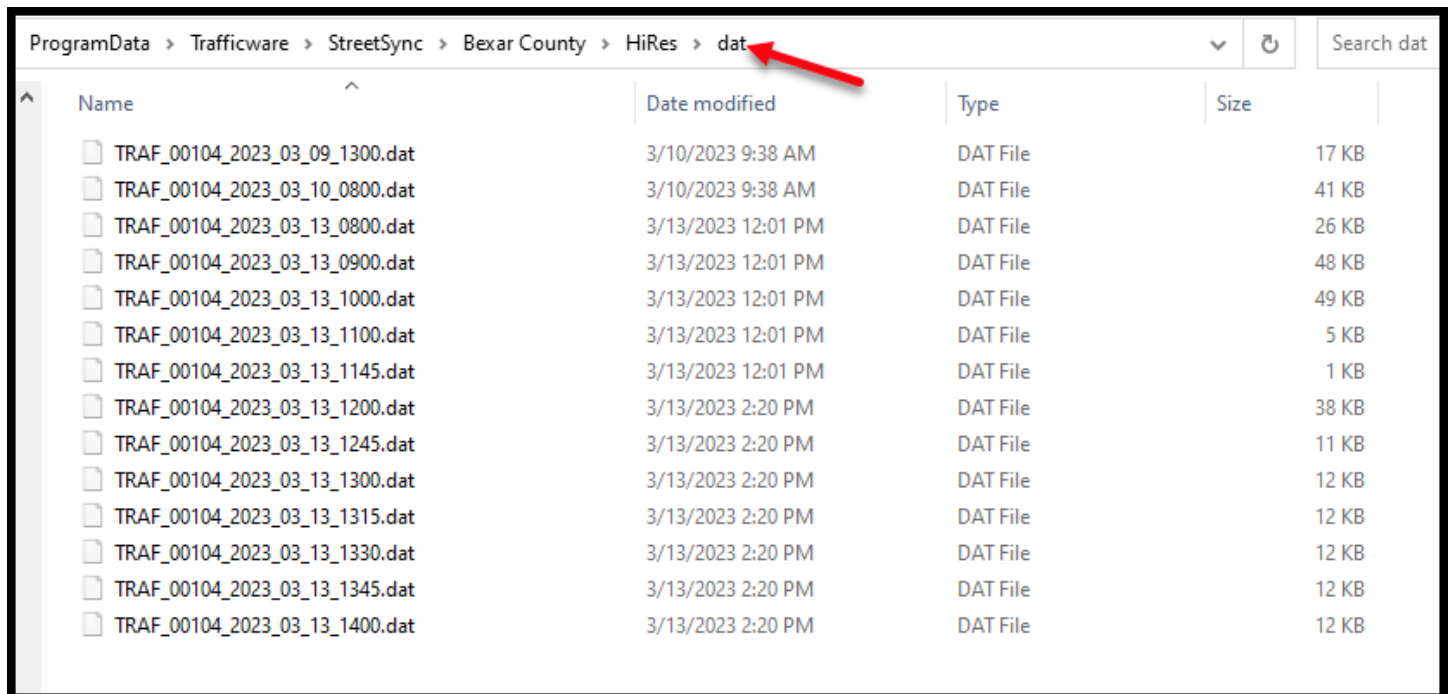


Name	Date modified	Type	Size
Data	3/10/2023 9:35 AM	File folder	
Downprom	3/10/2023 9:35 AM	File folder	
HiRes	3/13/2023 2:20 PM	File folder	
VolOcc	3/7/2023 10:43 AM	File folder	



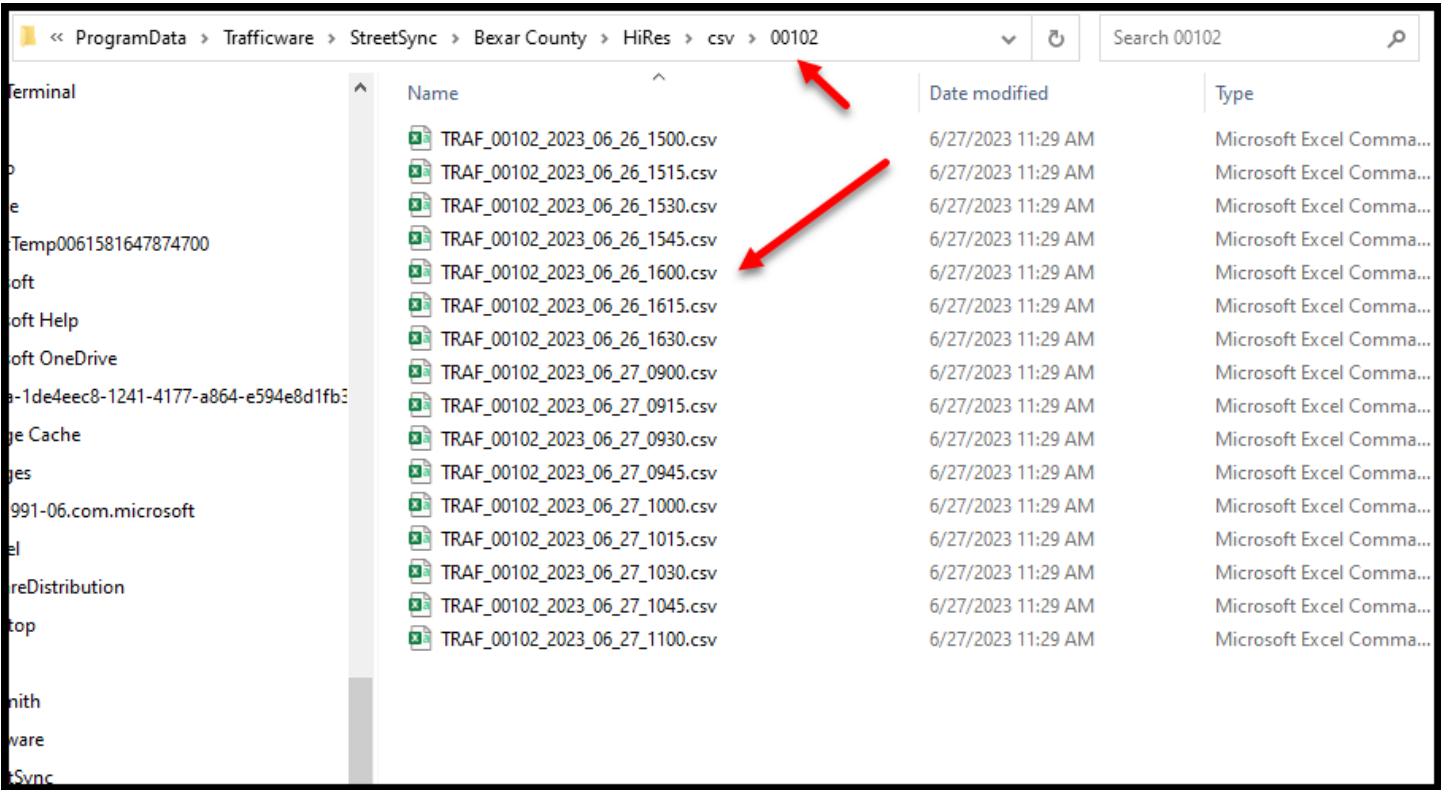
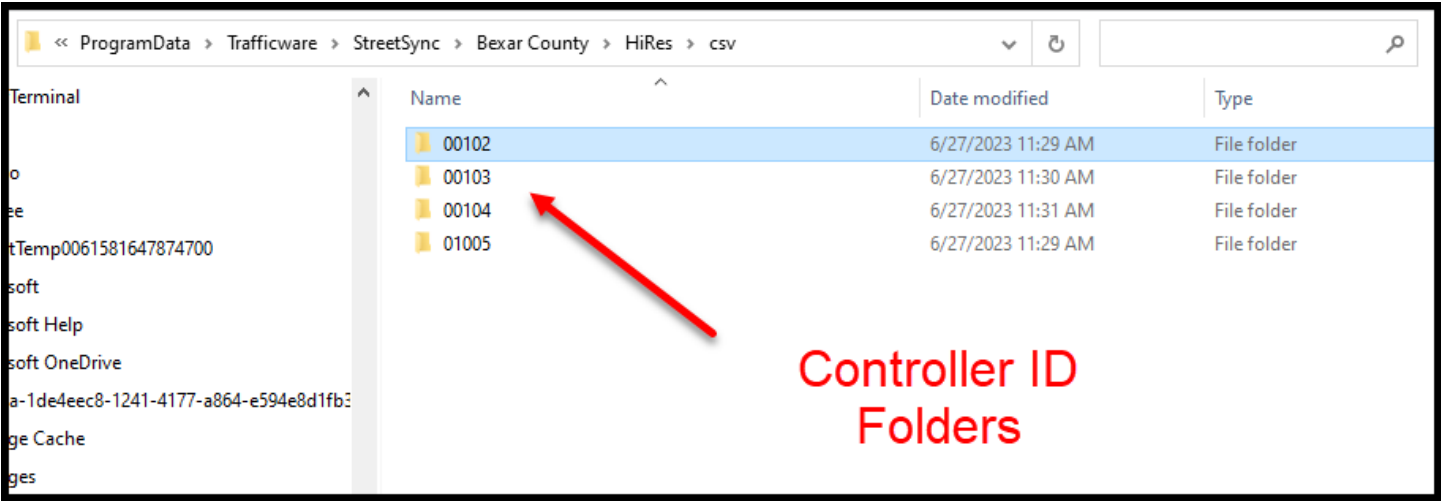
Name	Date modified	Type	Size
csv	3/6/2023 10:54 AM	File folder	
dat	3/13/2023 2:20 PM	File folder	
HiRes_00103.sdf	3/13/2023 10:59 AM	SQL Server Comp...	64 KB
HiRes_00104.sdf	3/13/2023 2:21 PM	SQL Server Comp...	64 KB

The **.dat** folder contains the imported raw high-resolution data as per the Purdue specification



Name	Date modified	Type	Size
TRAF_00104_2023_03_09_1300.dat	3/10/2023 9:38 AM	DAT File	17 KB
TRAF_00104_2023_03_10_0800.dat	3/10/2023 9:38 AM	DAT File	41 KB
TRAF_00104_2023_03_13_0800.dat	3/13/2023 12:01 PM	DAT File	26 KB
TRAF_00104_2023_03_13_0900.dat	3/13/2023 12:01 PM	DAT File	48 KB
TRAF_00104_2023_03_13_1000.dat	3/13/2023 12:01 PM	DAT File	49 KB
TRAF_00104_2023_03_13_1100.dat	3/13/2023 12:01 PM	DAT File	5 KB
TRAF_00104_2023_03_13_1145.dat	3/13/2023 12:01 PM	DAT File	1 KB
TRAF_00104_2023_03_13_1200.dat	3/13/2023 2:20 PM	DAT File	38 KB
TRAF_00104_2023_03_13_1245.dat	3/13/2023 2:20 PM	DAT File	11 KB
TRAF_00104_2023_03_13_1300.dat	3/13/2023 2:20 PM	DAT File	12 KB
TRAF_00104_2023_03_13_1315.dat	3/13/2023 2:20 PM	DAT File	12 KB
TRAF_00104_2023_03_13_1330.dat	3/13/2023 2:20 PM	DAT File	12 KB
TRAF_00104_2023_03_13_1345.dat	3/13/2023 2:20 PM	DAT File	12 KB
TRAF_00104_2023_03_13_1400.dat	3/13/2023 2:20 PM	DAT File	12 KB

The .csv folder will contain the exported high-resolution data by controller id as shown below:



High Resolution Data

This selection will display the High Resolution (Purdue Enumeration values) retrieved data. Below is a sample:

	Time	Event	Code	Data	
1	06/26/2023 16:02:28.400	Phase On	0	4	
2	06/26/2023 16:02:28.400	Phase On	0	8	
3	06/26/2023 16:02:28.400	Phase Begin Green	1	4	
4	06/26/2023 16:02:28.400	Phase Begin Green	1	8	
5	06/26/2023 16:02:28.400	Phase Check	2	1	
6	06/26/2023 16:02:28.400	Phase Check	2	2	
7	06/26/2023 16:02:28.400	Phase Check	2	3	
8	06/26/2023 16:02:28.400	Phase Check	2	5	
9	06/26/2023 16:02:28.400	Phase Check	2	6	
10	06/26/2023 16:02:28.400	Phase Check	2	7	
11	06/26/2023 16:02:28.400	Extension Timer Reduction St	15	4	
12	06/26/2023 16:02:28.400	Extension Timer Reduction St	15	8	
13	06/26/2023 16:02:28.400	Pedestrian Begin Solid Don't	23	2	
14	06/26/2023 16:02:28.400	Pedestrian Begin Solid Don't	23	4	
15	06/26/2023 16:02:28.400	Pedestrian Begin Solid Don't	23	6	
16	06/26/2023 16:02:28.400	Pedestrian Begin Solid Don't	23	8	
17	06/26/2023 16:02:28.400	Phase Call Registered	43	1	
18	06/26/2023 16:02:28.400	Phase Call Registered	43	2	
19	06/26/2023 16:02:28.400	Phase Call Registered	43	3	
20	06/26/2023 16:02:28.400	Phase Call Registered	43	5	
21	06/26/2023 16:02:28.400	Phase Call Registered	43	6	
22	06/26/2023 16:02:28.400	Phase Call Registered	43	7	
23	06/26/2023 16:02:28.400	Phase Omit On	46	1	
24	06/26/2023 16:02:28.400	Phase Omit On	46	2	
25	06/26/2023 16:02:28.400	Phase Omit On	46	3	
26	06/26/2023 16:02:28.400	Phase Omit On	46	4	
27	06/26/2023 16:02:28.400	Phase Omit On	46	5	
28	06/26/2023 16:02:28.400	Phase Omit On	46	6	
29	06/26/2023 16:02:28.400	Phase Omit On	46	7	
30	06/26/2023 16:02:28.400	Phase Omit On	46	8	
31	06/26/2023 16:02:28.400	Phase Omit On	46	17	
32	06/26/2023 16:02:28.400	Phase Omit On	46	18	
33	06/26/2023 16:02:28.400	Phase Omit On	46	19	
34	06/26/2023 16:02:28.400	Phase Omit On	46	20	
35	06/26/2023 16:02:28.400	Phase Omit On	46	21	

Filter

First Page

Prev Page

Next Page

Last Page

Export

Delete

Delete All

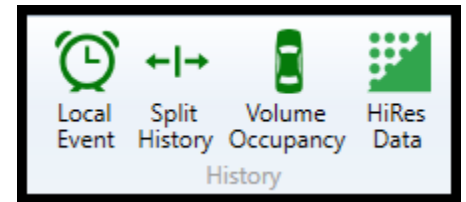
Count = 44

By using the selection buttons, circled on the right, the user can navigate between multiple pages, filter, export or delete data. Please refer to the Local Event section for further information.

Note: Retrieving and displaying High Resolution Data in StreetSync is only available on V76.x or Scout/V85.x controllers.

History Section

The Real time section allows the user to update the clock time for a controller or to scan a connected controller to view Red/Yellow/Green status. Note that for this version, any printout of data must be done via standard Windows screen printing.



Local Event

This selection will display the retrieved Local event data. There are four Local Event categories that can be displayed: Alarms, Patterns, Pre-emption and transit. Below is an Alarm data sample.

Alarm						
Pattern						
Preempt						
Transit						
Time	#	Description	Status	Data		
3/7/2023 9:16:24 AM	47	Coord Active	1	15		
3/7/2023 9:16:24 AM	61	Coord in Transition	1	1		
3/7/2023 9:16:29 AM	48	Preempt Active	0	0		
3/7/2023 9:16:29 AM	49	HP Preempt 1	0	0		
3/7/2023 9:16:32 AM	73	Controller Access	1	1		
3/7/2023 9:23:48 AM	73	Controller Access	0	1		
3/7/2023 9:23:50 AM	73	Controller Access	1	1		
3/7/2023 9:24:05 AM	61	Coord in Transition	0	0		
3/7/2023 9:24:24 AM	61	Coord in Transition	1	1		
3/7/2023 9:24:24 AM	70	Internal Clock Jump	1	3		
3/7/2023 9:24:38 AM	61	Coord in Transition	0	0		
3/7/2023 9:25:00 AM	38	Pattern Change	1	1		
3/7/2023 9:25:00 AM	61	Coord in Transition	1	2		
3/7/2023 9:28:54 AM	61	Coord in Transition	0	0		
3/7/2023 9:33:47 AM	73	Controller Access	0	1		
3/7/2023 9:51:49 AM	61	Coord in Transition	1	2		
3/7/2023 9:53:09 AM	61	Coord in Transition	0	0		

Filter

First Page

Prev Page

Next Page

Last Page

Export

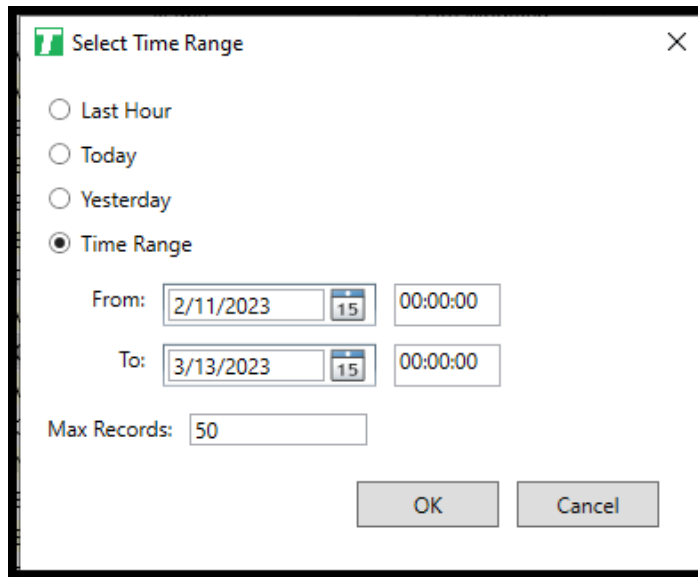
Delete

Delete All

Count = 35

By using the selection buttons, circled on the right, the user can navigate between multiple pages, filter, export or delete data.

Selecting the **Filter** Button will allow the user to filter the results by a selected timeframe that is shown on the screen below:



The dialog box titled "Select Time Range" contains the following elements:

- Four radio buttons: "Last Hour", "Today", "Yesterday", and "Time Range" (which is selected).
- "From:" field with a date picker set to 2/11/2023 and a time field set to 00:00:00.
- "To:" field with a date picker set to 3/13/2023 and a time field set to 00:00:00.
- "Max Records:" field with the value 50.
- "OK" and "Cancel" buttons at the bottom.

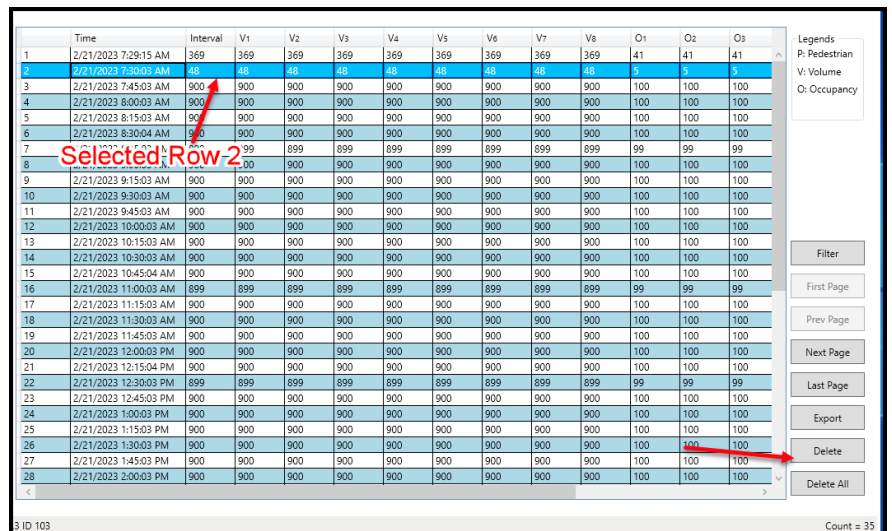
When selecting **Time Range**, the user can modify the maximum displayed records via the **Max Records** entry.

Navigation between multiple pages of data is done using the **First Page**, **Prev Page**, **Next Page** or **Last Page** buttons.

The **Export** button will allow the user to export the data as a .csv file to the hard disk of their PC, tablet or laptop.

The **Delete** and **Delete All** buttons will delete the retrieved data screen or all associated data with the displayed report.

The user can select individual rows of data to be deleted using the delete button as shown below using Vol/Occ data.



The screenshot shows a data table with the following columns: Time, Interval, V1, V2, V3, V4, V5, V6, V7, V8, O1, O2, O3. The table contains 35 rows of data. A red arrow points to the second row, which is highlighted in blue. Another red arrow points to the "Delete" button in the bottom right corner of the table interface. The "Delete All" button is also visible below the "Delete" button.

In the example above, Row 2 (data at 7:30 am) has been selected. Once the delete key is hit a warning message will be displayed.

	Time	Interval	V1	V2	V3	V4	V5	V6	V7	V8	O1	O2	O3
1	2/21/2023 7:29:15 AM	369	369	369	369	369	369	369	369	369	41	41	41
2	2/21/2023 7:30:03 AM	48	48	48	48	48	48	48	48	48	5	5	5
3	2/21/2023 7:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
4	2/21/2023 8:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
5	2/21/2023 8:15:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
6	2/21/2023 8:30:04 AM	900	900	900	900	900	900	900	900	900	100	100	100
7	2/21/2023 8:45:03 AM	899	899	899	899	899	899	899	899	899	99	99	99
8	2/21/2023 9:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
9	2/21/2023 9:15:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
10	2/21/2023 9:30:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
11	2/21/2023 9:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
12	2/21/2023 10:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
13	2/21/2023 10:15:03 AM	900	900	900							0	100	100
14	2/21/2023 10:30:03 AM	900	900	900							0	100	100
15	2/21/2023 10:45:04 AM	900	900	900							0	100	100
16	2/21/2023 11:00:03 AM	899	899	899							99	99	99
17	2/21/2023 11:15:03 AM	900	900	900							0	100	100
18	2/21/2023 11:30:03 AM	900	900	900							0	100	100
19	2/21/2023 11:45:03 AM	900	900	900							0	100	100
20	2/21/2023 12:00:03 PM	900	900	900							0	100	100
21	2/21/2023 12:15:04 PM	900	900	900	900	900	900	900	900	900	100	100	100
22	2/21/2023 12:30:03 PM	899	899	899	899	899	899	899	899	899	99	99	99
23	2/21/2023 12:45:03 PM	900	900	900	900	900	900	900	900	900	100	100	100
24	2/21/2023 1:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100
25	2/21/2023 1:15:03 PM	900	900	900	900	900	900	900	900	900	100	100	100
26	2/21/2023 1:30:03 PM	900	900	900	900	900	900	900	900	900	100	100	100
27	2/21/2023 1:45:03 PM	900	900	900	900	900	900	900	900	900	100	100	100
28	2/21/2023 2:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100

Warning

Are you sure you want to delete selected volume/occupancy records for controller(s): 103?

Yes No

5.3 ID 103 Count = 35

Once the user selects Yes... then row 2 will be deleted.

	Time	Interval	V1	V2	V3	V4	V5	V6	V7	V8	O1	O2	O3
1	2/21/2023 7:29:15 AM	369	369	369	369	369	369	369	369	369	41	41	41
2	2/21/2023 7:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
3	2/21/2023 8:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
4	2/21/2023 8:15:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
5	2/21/2023 8:30:04 AM	900	900	900	900	900	900	900	900	900	100	100	100
6	2/21/2023 8:45:03 AM	899	899	899	899	899	899	899	899	899	99	99	99
7	2/21/2023 9:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
8	2/21/2023 9:15:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
9	2/21/2023 9:30:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
10	2/21/2023 9:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
11	2/21/2023 10:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
12	2/21/2023 10:15:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
13	2/21/2023 10:30:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
14	2/21/2023 10:45:04 AM	900	900	900	900	900	900	900	900	900	100	100	100
15	2/21/2023 11:00:03 AM	899	899	899	899	899	899	899	899	899	99	99	99
16	2/21/2023 11:15:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
17	2/21/2023 11:30:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
18	2/21/2023 11:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100
19	2/21/2023 12:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100
20	2/21/2023 12:15:04 PM	900	900	900	900	900	900	900	900	900	100	100	100
21	2/21/2023 12:30:03 PM	899	899	899	899	899	899	899	899	899	99	99	99
22	2/21/2023 12:45:03 PM	900	900	900	900	900	900	900	900	900	100	100	100
23	2/21/2023 1:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100
24	2/21/2023 1:15:03 PM	900	900	900	900	900	900	900	900	900	100	100	100
25	2/21/2023 1:30:03 PM	900	900	900	900	900	900	900	900	900	100	100	100
26	2/21/2023 1:45:03 PM	900	900	900	900	900	900	900	900	900	100	100	100
27	2/21/2023 2:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100
28	2/21/2023 2:15:03 PM	900	900	900	900	900	900	900	900	900	100	100	100

5.3 ID 103 Count = 35

Delete All will delete the entire dataset.

Split History

This selection will display the retrieved Split History data. The split times per phase are displayed as well as the reason for termination. Below is a Split History data sample.

	Time	NBR	Pattern	Cycle	Offset	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	
1	3/6/2023 4:44:16 PM	0	254	53	0	28/U	25/U			28/U	25/U			
2	3/7/2023 9:01:39 AM	1	21	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
3	3/7/2023 9:03:19 AM	2	21	99	0	20/U	30/U	28/U	21/U	20/U	30/U	19/U	30/U	
4	3/7/2023 9:04:59 AM	3	21	102	2	20/U	32/U	25/U	25/U	20/U	32/U	20/U	30/U	
5	3/7/2023 9:06:41 AM	4	21	82	2	16/U	25/U	21/U	20/U	16/U	25/U	17/U	24/U	
6	3/7/2023 9:08:03 AM	5	21	85	2	16/U	29/U	20/U	20/U	16/U	29/U	16/U	24/U	
7	3/7/2023 9:09:29 AM	6	21	85	74	16/U	27/U	21/U	21/U	16/U	27/U	18/U	24/U	
8	3/7/2023 9:10:54 AM	7	21	90	21	18/U	29/U	22/U	21/U	18/U	29/U	19/U	24/U	
9	3/7/2023 9:12:24 AM	8	21	94	57	19/U	29/U	24/U	22/U	19/U	29/U	21/U	25/U	
10	3/7/2023 9:13:58 AM	9	21	98	17	21/U	29/U	24/U	24/U	21/U	29/U	23/U	25/U	
11	3/7/2023 9:15:37 AM	10	21	32	68		6/U	10/U	16/U		6/U	10/U	16/U	
12	3/7/2023 9:16:09 AM	11	254	92	68	19/U	46/U		27/U	19/U	46/U		27/U	
13	3/7/2023 9:17:41 AM	12	21	96	56	22/U	32/U	20/U	22/U	22/U	32/U	18/U	24/U	
14	3/7/2023 9:19:17 AM	13	21	99	84	22/U	33/U	20/U	24/U	22/U	33/U	19/U	25/U	
15	3/7/2023 9:20:56 AM	14	21	119	84	24/U	35/U	33/U	26/U	24/U	35/U	32/U	27/U	
16	3/7/2023 9:22:55 AM	15	254	91	84	30/U	32/U		29/U	30/U	32/U		29/U	
17	3/7/2023 9:25:00 AM	16	1	99	84	22/U	33/U	18/U	26/U	22/U	33/U	18/U	26/U	
18	3/7/2023 9:26:39 AM	17	1	98	84	22/U	32/U	18/U	26/U	22/U	32/U	18/U	26/U	
19	3/7/2023 9:28:17 AM	18	1	104	84	24/U	35/U	20/U	25/U	24/U	35/U	20/U	25/U	
20	3/7/2023 9:30:01 AM	19	1	109	84	24/U	36/U	23/U	26/U	24/U	36/U	23/U	26/U	
21	3/7/2023 9:31:50 AM	20	1	109	84	24/U	34/U	24/U	27/U	24/U	34/U	24/U	27/U	
22	3/7/2023 9:33:39 AM	21	1	109	84	24/U	34/U	24/U	27/U	24/U	34/U	24/U	27/U	
23	3/7/2023 9:35:28 AM	22	1	109	84	24/U	34/U	24/U	27/U	24/U	34/U	24/U	27/U	
24	3/7/2023 9:37:17 AM	23	1	109	84	24/U	34/U	24/U	27/U	24/U	34/U	24/U	27/U	
25	3/7/2023 9:39:06 AM	24	1	109	84	24/U	34/U	24/U	27/U	24/U	34/U	24/U	27/U	
26	3/7/2023 9:40:55 AM	25	1	109	84	24/U	33/U	24/U	28/U	24/U	33/U	24/U	28/U	
27	3/7/2023 9:42:44 AM	26	1	109	84	24/U	33/U	24/U	28/U	24/U	33/U	24/U	28/U	

Legends
U: Unknown
G: Gap out
M: Max out
F: Force Off

Filter

First Page

Prev Page

Next Page

Last Page

Export

Delete

Delete All

Count = 35

By using the selection buttons, circled on the right, the user can navigate between multiple pages, filter, export or delete data. Please refer to the Local Event section for further information.

Volume /Occupancy

This selection will display the retrieved Volume / Occupancy/Pedestrian data. The volume, occupancy and pedestrian actuations for each detector that is used and tracked is displayed. Below is a Vol/Occ data sample.

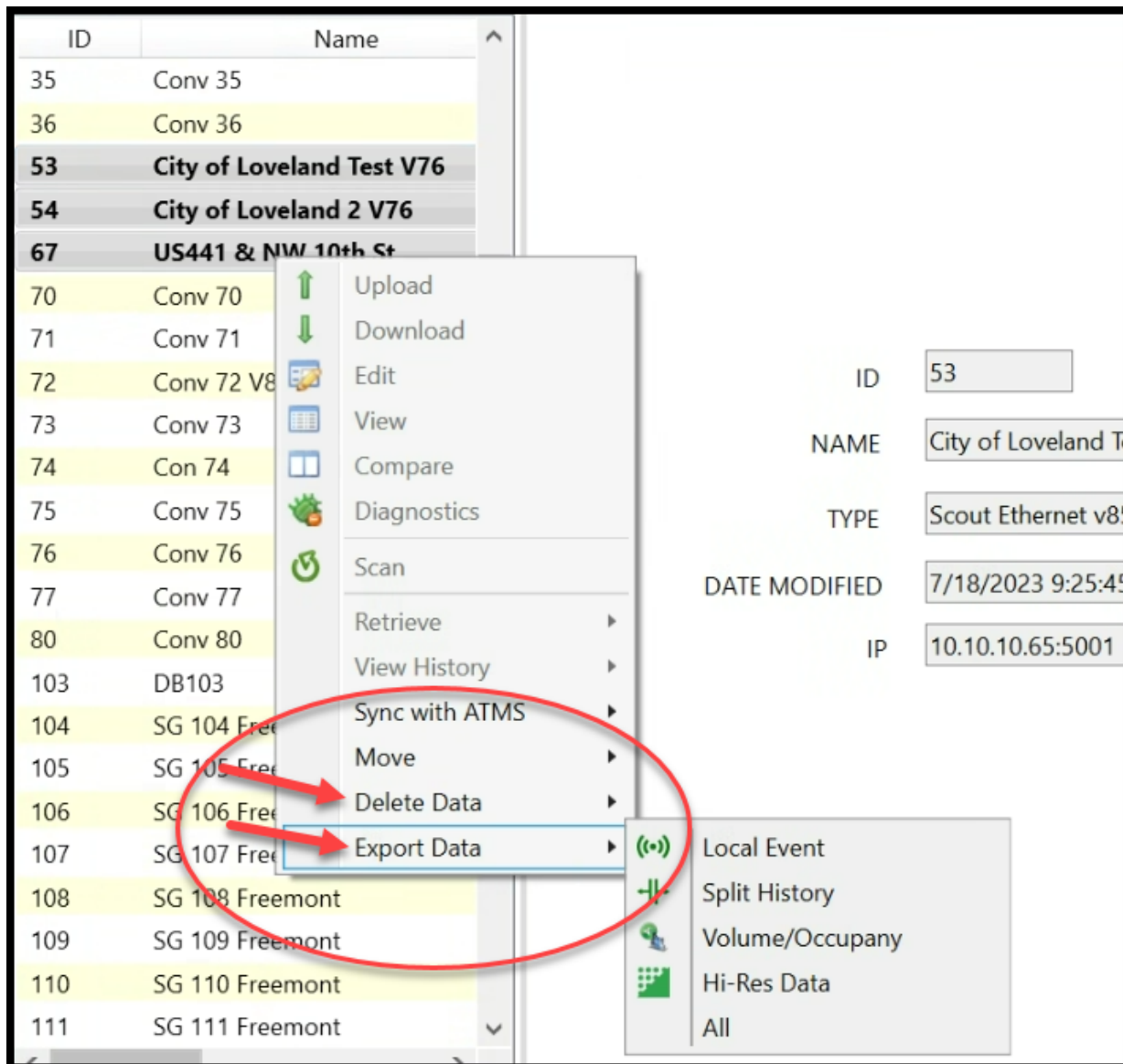
	Time	Interval	V1	V2	V3	V4	V5	V6	V7	V8	O1	O2	O3	
1	12/7/2022 8:38:33 AM	485	485	485	485	485	485	485	485	485	53	53	53	<div> Legends P: Pedestrian V: Volume O: Occupancy </div> <div> Filter First Page Prev Page Next Page Last Page Export Delete Delete All </div>
2	12/7/2022 8:45:03 AM	390	390	390	390	390	390	390	390	390	43	43	43	
3	12/7/2022 9:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
4	12/7/2022 9:15:04 AM	900	900	900	900	900	900	900	900	900	100	100	100	
5	12/7/2022 9:30:03 AM	899	899	899	899	899	899	899	899	899	99	99	99	
6	12/7/2022 9:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
7	12/7/2022 10:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
8	12/7/2022 10:15:04 AM	900	900	900	900	900	900	900	900	900	100	100	100	
9	12/7/2022 10:30:03 AM	899	899	899	899	899	899	899	899	899	99	99	99	
10	12/7/2022 10:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
11	12/7/2022 11:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
12	12/7/2022 11:15:04 AM	900	900	900	900	900	900	900	900	900	100	100	100	
13	12/7/2022 11:30:03 AM	899	899	899	899	899	899	899	899	899	99	99	99	
14	12/7/2022 11:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
15	12/7/2022 12:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	
16	12/7/2022 12:15:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	
17	12/7/2022 12:30:04 PM	900	900	900	900	900	900	900	900	900	100	100	100	
18	12/7/2022 12:45:03 PM	899	899	899	899	899	899	899	899	899	99	99	99	
19	12/7/2022 1:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	
20	12/7/2022 1:15:04 PM	900	900	900	900	900	900	900	900	900	100	100	100	
21	12/7/2022 1:30:03 PM	899	899	899	899	899	899	899	899	899	99	99	99	
22	12/7/2022 1:45:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	
23	12/7/2022 2:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	
24	12/7/2022 2:15:04 PM	900	900	900	900	900	900	900	900	900	100	100	100	
25	12/7/2022 2:30:03 PM	899	899	899	899	899	899	899	899	899	99	99	99	
26	12/7/2022 2:45:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	

By using the selection buttons, circled on the right, the user can navigate between multiple pages, filter, export or delete data. Please refer to the Local Event section for further information.

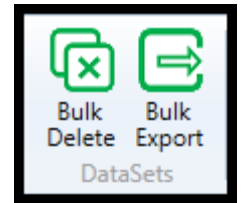
Bulk Exporting and Deleting of Retrieved Data

Users can export or delete retrieved data in bulk in one of two ways.

The first way is to **select multiple intersections on the left column.** and Right-click to get to the export menu as shown below.



The second way is select via the **Datasets** section allows the user to Bulk Export or Bulk Delete all selected data for all intersections.



Below is a screen showing the bulk export of data of 3 selected controllers.

The screenshot displays a table of controllers with columns: ID, Name, Date Modified, and Type. A context menu is open over the table, showing options like Upload, Download, Edit, View, Compare, Diagnostics, Scan, Retrieve, View History, Sync with ATMS, Move, Delete Data, and Export Data. A red arrow points to the 'Export Data' option. Another red arrow points to the 'All' option in the 'Local Event' sub-menu.

ID	Name	Date Modified	Type
11	V76.x Virtual Controller ID 11	3/10/2023 9:35:23 AM	v76 Ethernet Virtual Controller
31	V85.3 VController ID 31	3/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4
90	Edgewood V65.x 2070 Enet ID 90	3/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4
91	Edgewood V65.x 2070 Enet ID 91	3/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4
92	Edgewood V65.x 2070 Enet ID 92	3/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4
93	Edgewood V65.x 2070 Enet ID 93	3/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4
101	Palo Alto Demo--- ID 101 V76 E-net	3/10/2023 9:35:23 AM	NTCIP 76.x 2070 Ethernet
102	V76 2070 ID 102	3/10/2023 9:35:23 AM	NTCIP 76.x 2070 Ethernet
103	Commander V85.3 ID 103	3/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4
104	V85.3 Scout Enet controller ID 104	3/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4
105	CTDOT Lab V8.169 (E)		Scout Ethernet
304	New Haven MLK @ Church V85.1		Scout Ethernet
448	Edgewood V76.x ATC Enet ID 448		CIP 76.x ATC Ethernet
449	Edgewood V76.x ATC Enet ID 449		CIP 76.x ATC Ethernet
450	Edgewood V76.x ATC Enet ID 450		CIP 76.x ATC Ethernet
451	Edgewood V76.x ATC Enet ID 451		CIP 76.x ATC Ethernet
452	Edgewood V76.x ATC Enet ID 452		CIP 76.x ATC Ethernet
453	Edgewood V76.x ATC Enet ID 453		CIP 76.x ATC Ethernet
1448	Edgewood V61.x TS2 E-net ID 448		CIP 61.x TS2 Ethernet
1449	Edgewood V61.x TS2 E-net ID 449		CIP 61.x TS2 Ethernet
1450	Edgewood V61.x TS2 E-net ID 450		CIP 61.x TS2 Ethernet
1451	Edgewood V61.x TS2 E-net ID 451		CIP 61.x TS2 Ethernet
1452	Local Event		CIP 61.x TS2 Ethernet
1453	Split History	3/10/2023 9:35:23 AM	NTCIP 61.x TS2 Ethernet
3060	Volume/Occupancy	3/10/2023 9:35:23 AM	NTCIP 76.x 2070 Ethernet
3061	Hi-Res Data	3/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4
3070	All	3/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4
3078	NYS DOT-R7-SG-ID 3078	3/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4
3079	NYS DOT-R7-SG-ID 3079	3/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4

The user can select the type of data to be exported including **All** data.

Once selected a screen will be displayed to verify the data that the user wants to export.

Export Records: Controller-ID = [11,31,90-93,101-105,304,448-453,1448-1453,3060-3061,3070,3078-3080...

Select Data Type	Number of Records
<input type="checkbox"/> Alarm	61
<input type="checkbox"/> Pattern	4
<input type="checkbox"/> Preempt	0
<input type="checkbox"/> Transit	0
<input type="checkbox"/> Volume/Occupancy	0
<input type="checkbox"/> Split History	154
<input type="checkbox"/> Hi-Res Data	14

0%

Export

Close

Select the category(s) to be exported and the data to be sent to csv files.

Export Records: Controller-ID = [301-303,401-402,404,406-407,1406]

Select Data Type	Number of Records
<input checked="" type="checkbox"/> Alarm	2
<input checked="" type="checkbox"/> Pattern	1
<input type="checkbox"/> Preempt	0
<input type="checkbox"/> Transit	0
<input checked="" type="checkbox"/> Volume/Occupancy	4995
<input type="checkbox"/> Split History	0
<input type="checkbox"/> Hi-Res Data	0

100%

12/30/2023 1:26:39 PM Export records ...
12/30/2023 1:27:28 PM Start to export Alarm data ...
12/30/2023 1:27:28 PM No records found for controller Id : 302
12/30/2023 1:27:28 PM No records found for controller Id : 303
12/30/2023 1:27:28 PM No records found for controller Id : 401

Export

Close

Move

Move is found in the ATMS section of the controller menu. It is used to transfer the StreetSync retrieved databases into the specific ATMS SQL database. The following selection screen is used for this transfer.



Transfer Retrieved Data to ATMS Server

Select Data Type	Number of Records		
	StreetSync	Upload to ATMS	Total
<input checked="" type="checkbox"/> Alarm	0	108	108
<input checked="" type="checkbox"/> Pattern	0	7	7
<input checked="" type="checkbox"/> Preempt	0	0	0
<input checked="" type="checkbox"/> Transit	0	0	0
<input checked="" type="checkbox"/> Split History	0	359	359
<input checked="" type="checkbox"/> Volume/Occupancy	0	95	95
<input checked="" type="checkbox"/> Hi-Res Data	0	96	96

0%

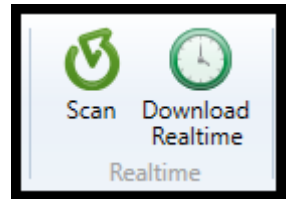
Move

Close

Please note that the files are ONLY moved to ATMS.

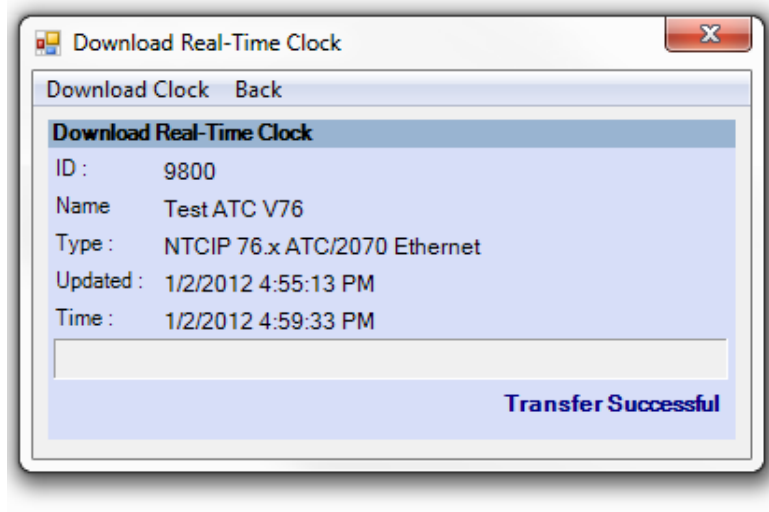
Realtime Section

The Real time section allows the user to update the clock time for a controller or to scan a connected controller to view Red/Yellow/Green status



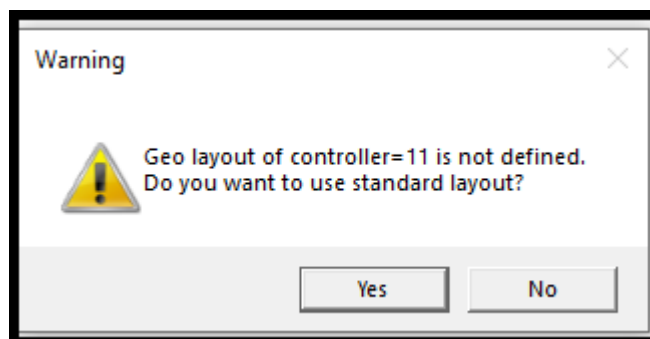
Download Real-Time

The Download Real Time screen works the same way as the existing ATMS Partner screen. The user selects a controller from the list, then chooses **Download Real Time** menu item. The app then displays the screen depicted below, indicating the selected controller. The user may then click the **Download Clock** button to transfer time data between the device and the controller. When the Synchronization is complete, the progress bar displays **Transfer Successful**.

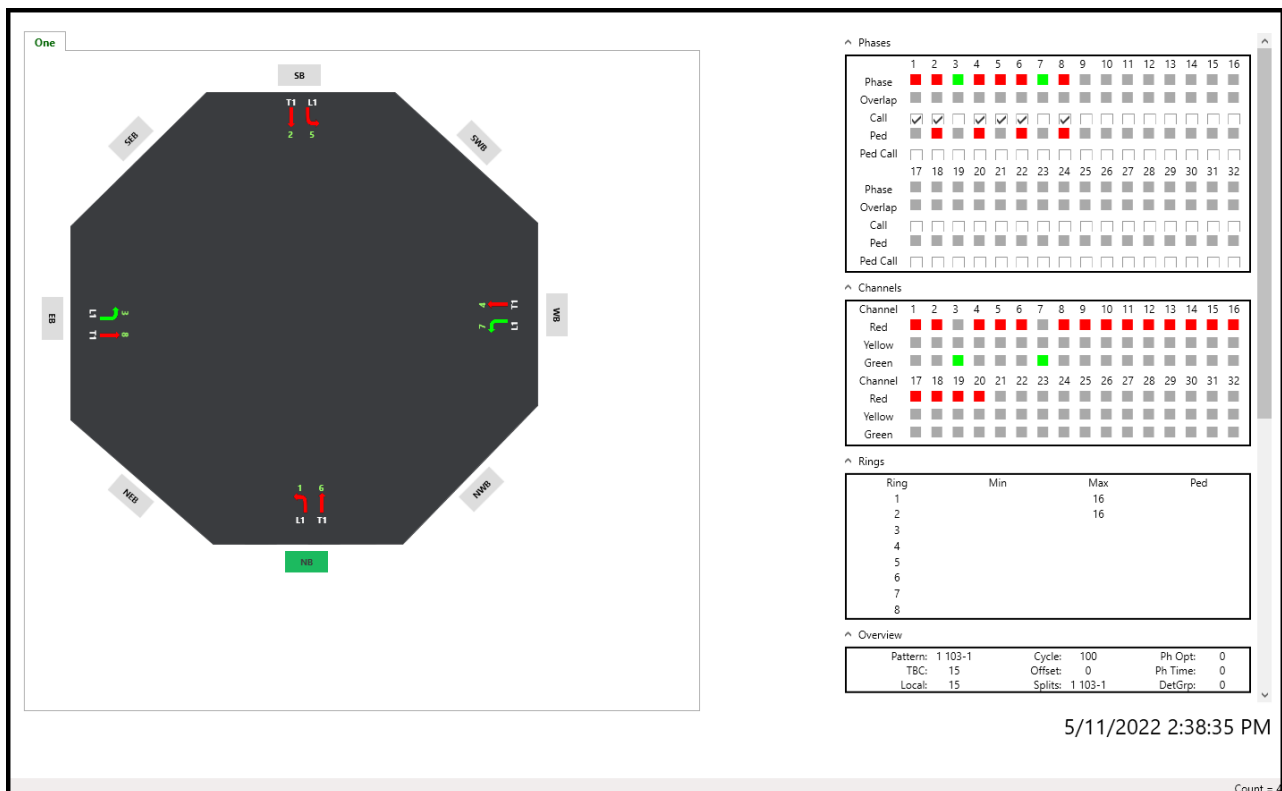


Scan

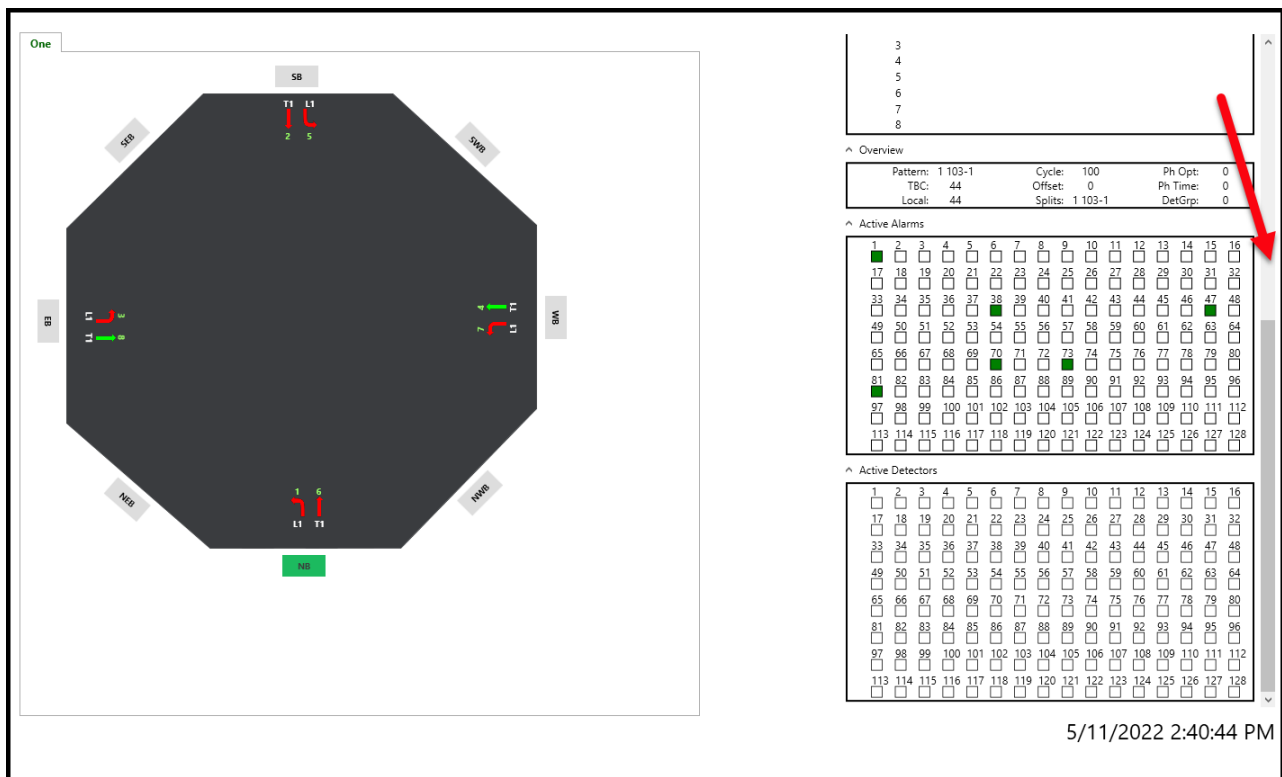
After selecting the intersection and connecting it to StreetSync the user can run a scan screen. The scan screen layout is dependent upon setting the **Intersection Layout** configuration screen in ATMS. If this is programmed in ATMS for the intersection that you are connected to the scan screen will be laid out as per this program. If the Intersection layout configuration is not set then the following message will appear and a default screen is displayed.



After hitting **YES**, a scan background will occur like the default on below.

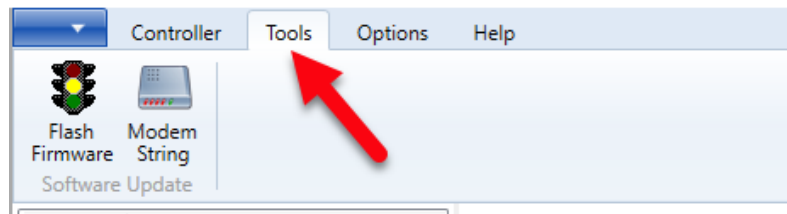


The scan screen will display Phase Red/Yellow/Green status, timing, Channel Outputs and coordination data so that the user can check the intersection from his PC while verifying field data. In addition, the user can view live alarm data as well as detection data by sliding down the bar on the right side of the screen.



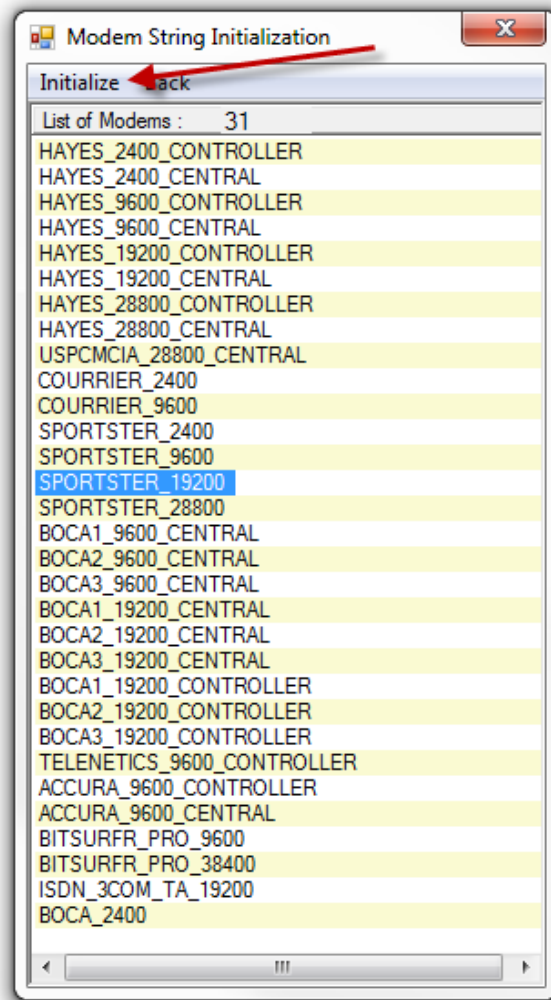
Tools Menu

The Tools menu allows the user to Flash firmware to a 980 NEMA controller or a Cubic | Trafficware MMU as well as interface to dial modems to set up communication strings.



Modem String Initialization

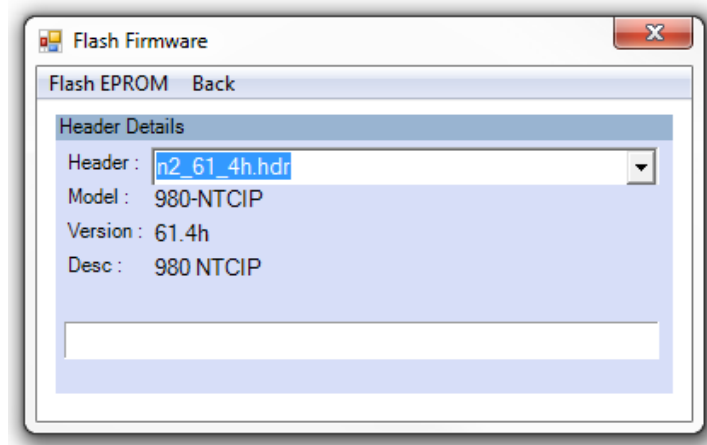
The user can connect the laptop to a modem to initialize it with setup data if needed. Select the **Modem String** Action and chose the modem type that you plan to initialize.



By selecting **Initialize** and connecting the laptop to your modem, StreetSync will download a setup string to the modem.

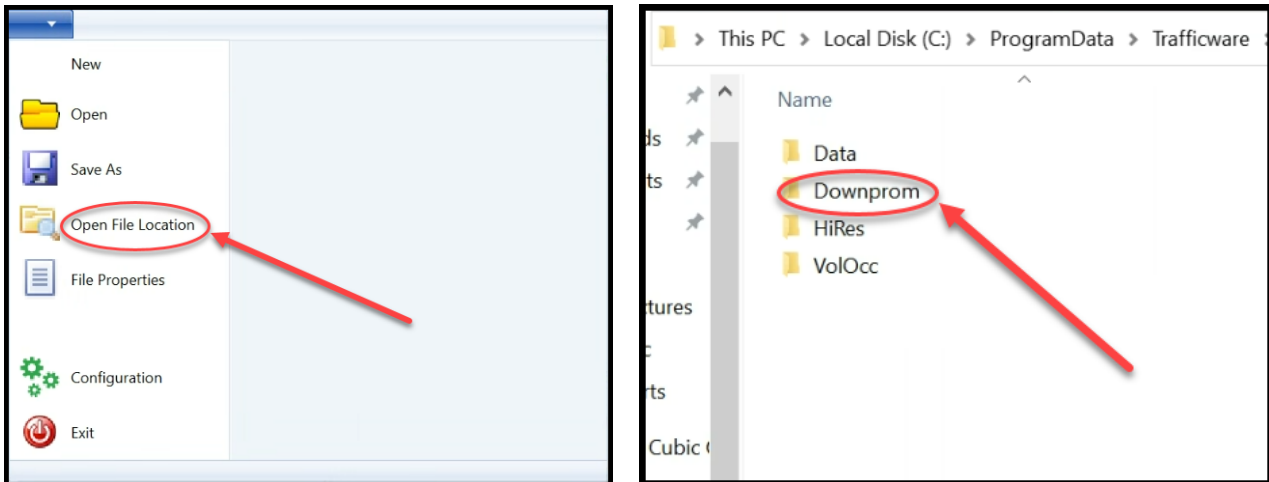
Flash Firmware

For Cubic | Trafficware TS2 controllers and Cubic | Trafficware MMU's firmware can be upgraded and installed via StreetSync. Selecting **Flash Firmware** will bring up the following screen as shown below.



Click on the pull down menu to select the firmware header file. A list will appear, with the available Proms to download. Select the desired EPROM. Finally, Select **Flash EPROM** from the menu to begin the download. The header files must be located on the ATMS server under the directory: **...Naztec/Nazserv/Downprom.**

Below is the path to view the contents of the Downprom folder within StreetSync:



Help Menu

Help Menu

This will link to the manual for the user's current version of StreetSync.

Technical Support

This will link to the online web support portal **(must be connected to the internet)**

Report a Bug

This will link to an email to report an issue and/or bug. **(must be connected to the internet)**

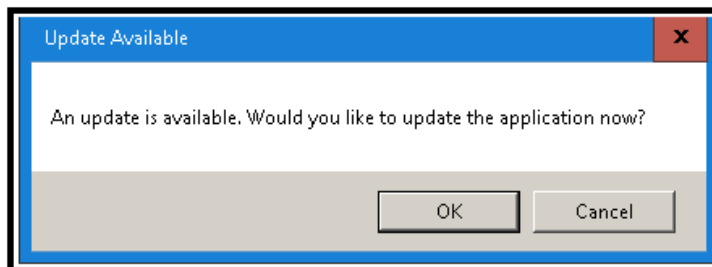
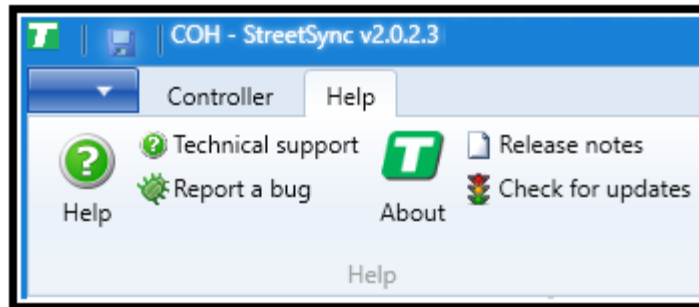
Release Notes

This will list all features and bug fixes added over each released version of StreetSync.

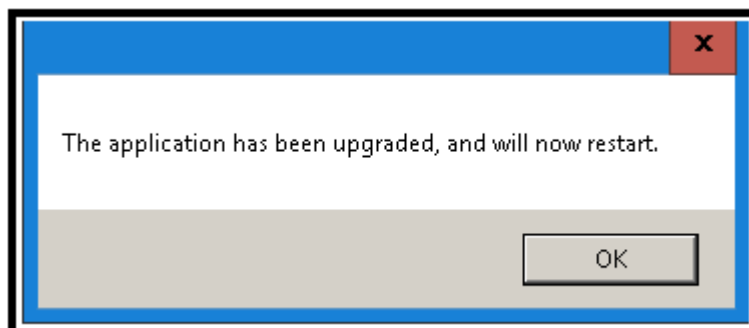
Check for Updates

Among the features of the StreetSync **Help** section is access to this manual, release notes and an automatic update check feature.

Note: If a StreetSync update is available via the internet and you run it, it may take a few minutes to access and install the update files. You will get the following if an Update is available:



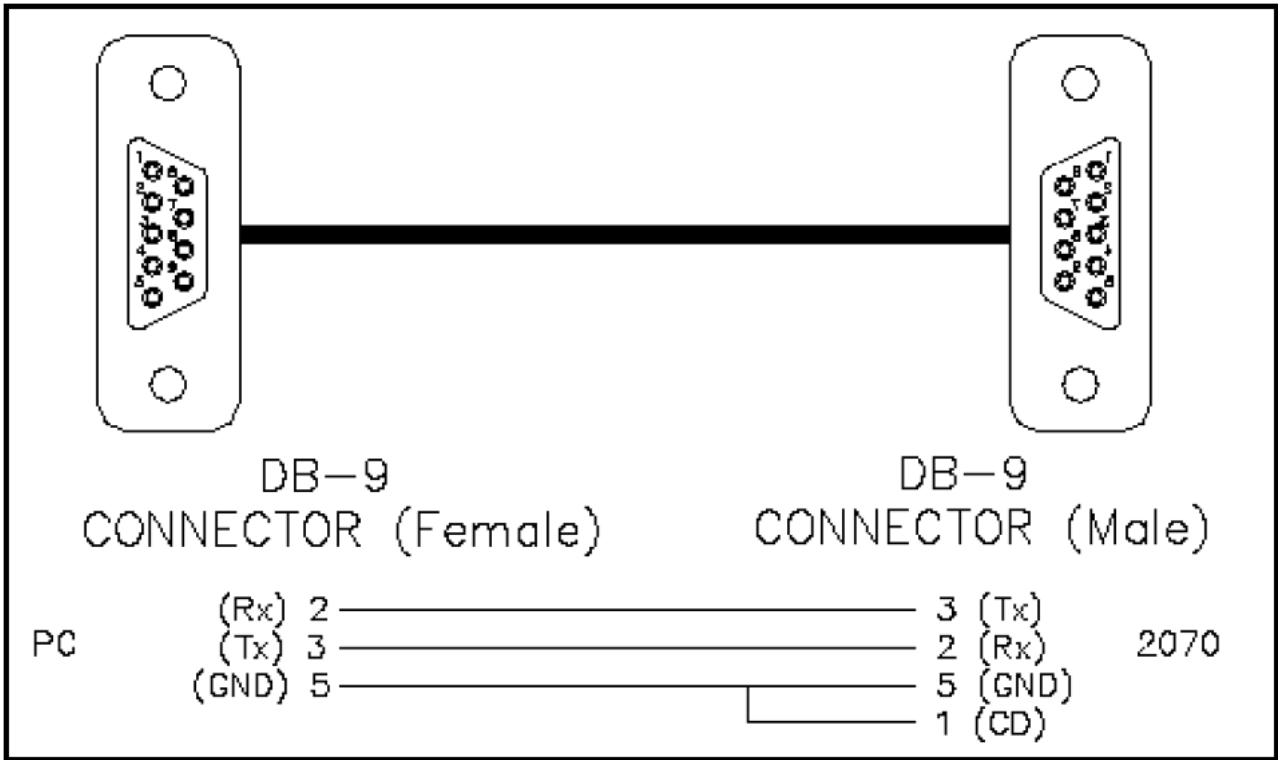
During the update process, StreetSync will not display any confirmation screen. Please wait until you see the following confirmation screen be displayed that insures that StreetSync was updated:



Hardware considerations

PC to 2070 Cable Setup

The following is a diagram outlining the pin-outs for a cable connecting the 2070 C50 connector to the comm. port of your PC or laptop.



NEMA TS2 Communications Port Cable setup

System (P-A)				System Up (P-A)				System Down (P-B)			
Pin	Function	Pin	Function	Pin	Function	Pin	Function	Pin	Function	Pin	Function
1	Earth Ground	7	Signal Ground	1	Earth Ground	7	Signal Ground	1	Earth Ground	5	CTS
2	TX	8	DCD	2	TX	8	DCD	2	TX	7	Signal Ground
3	RX	20	DTR	3	RX	20	DTR	3	RX	8	DCD
4	RTS	24	Enable	4	RTS	24	Enable	4	RTS	20	DTR
5	CTS	25	Logic Ground	5	CTS	25	Logic Ground				

NOTE: Additional Hardware setup information can be found in TecNote 3033 as published on Trafficware’s Freshdesk Documentation Site. Contact your Trafficware representative for further information.