

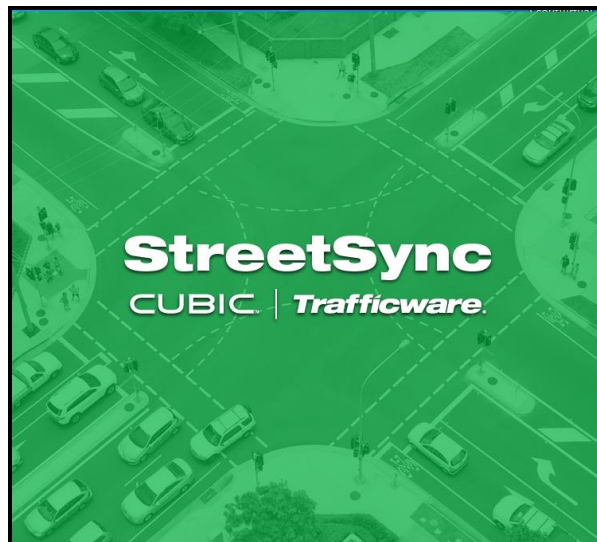
OPERATIONS MANUAL

For

StreetSync

A Module of ATMS

Version 3.x



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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.

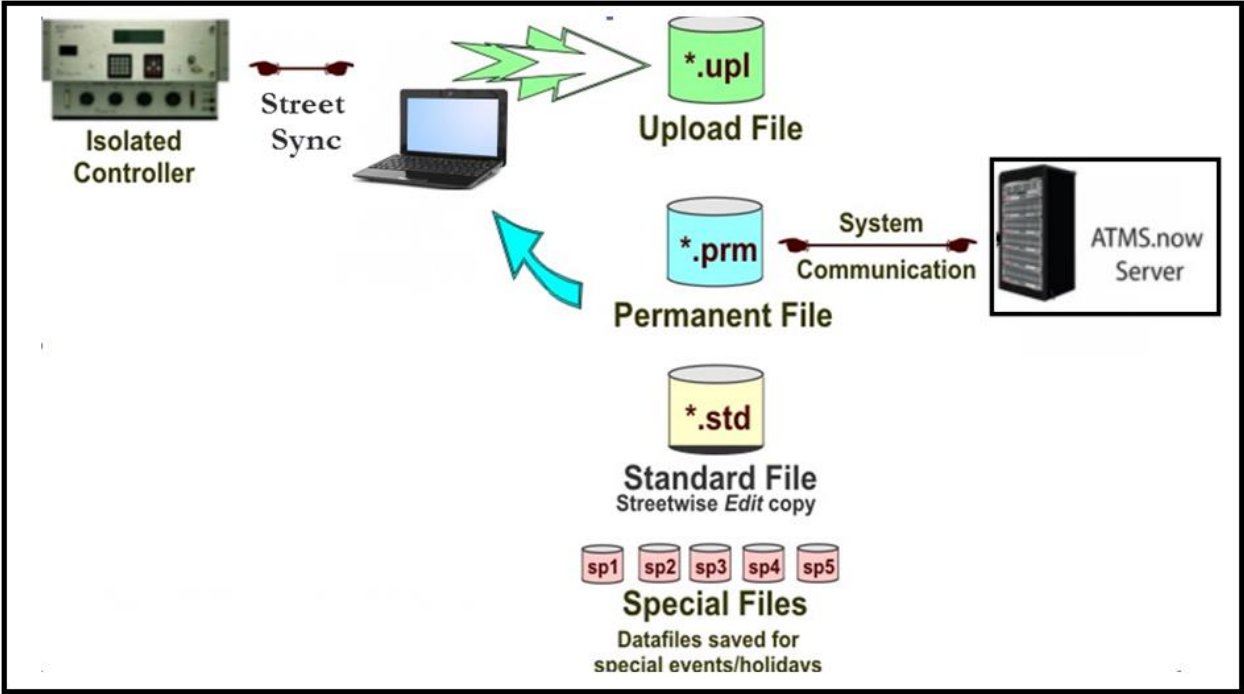
The Permanent File is transferred to StreetSync during the synchronization procedure. This insures that StreetSync carries the last successful download to the field.

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.

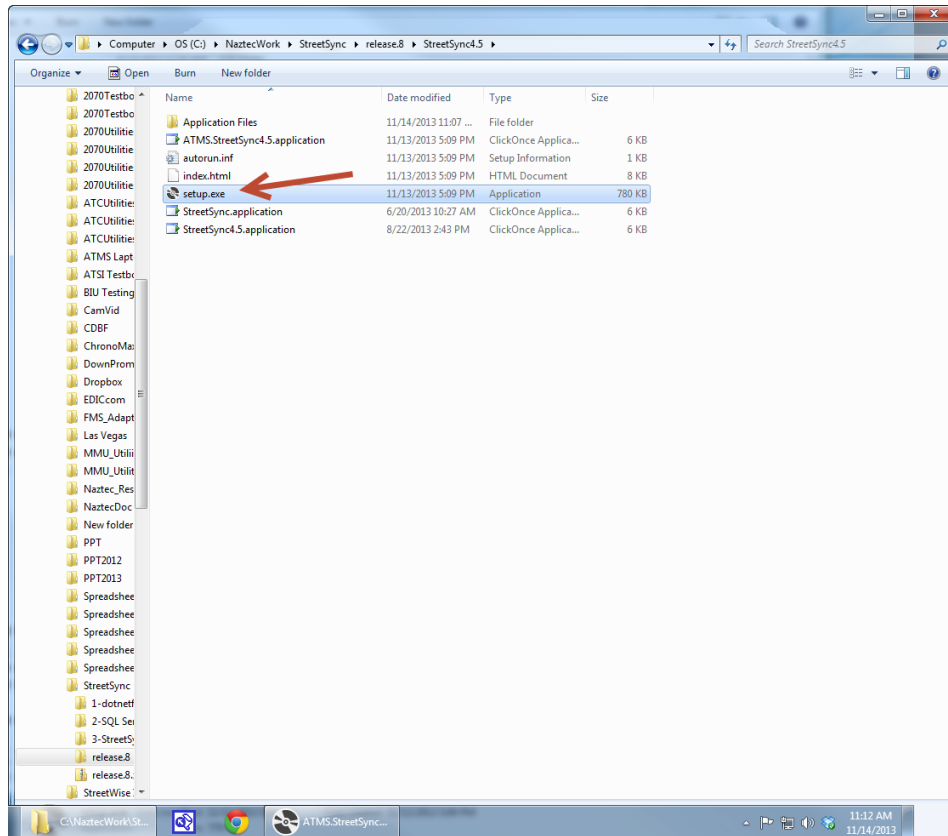
Keep in mind that the Permanent and Standard Files are protected from all field uploads in ATMS and from the StreetSync synchronization procedure. Therefore, in ATMS the user is required to manually copy the Upload File to either the Standard or Permanent to commit any changes uploaded through the system.



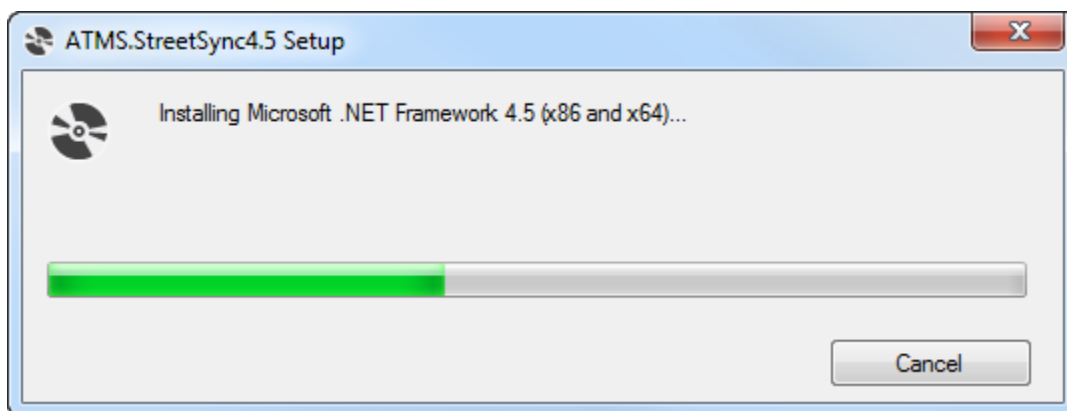
Installing StreetSync

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.

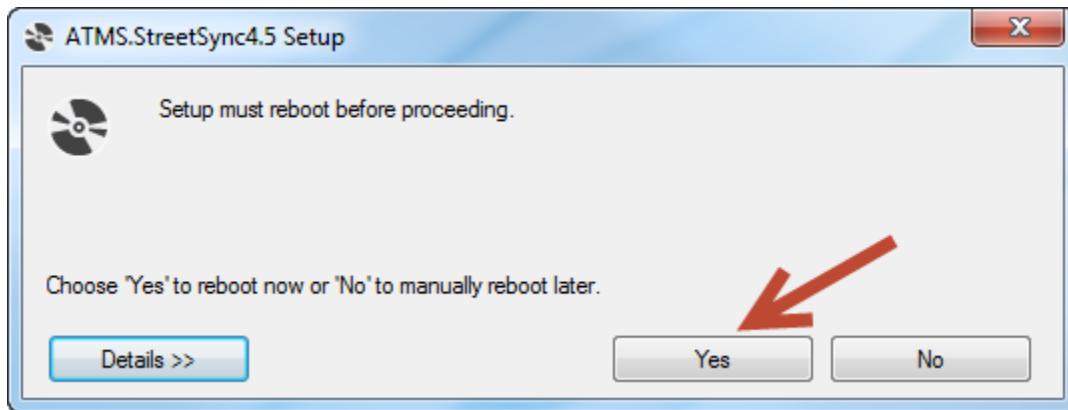
1. The CD or link provided by Cubic | Trafficware should automatically start the install of StreetSync. If not browse the CD and run the file labeled **setup.exe** to begin the installation.



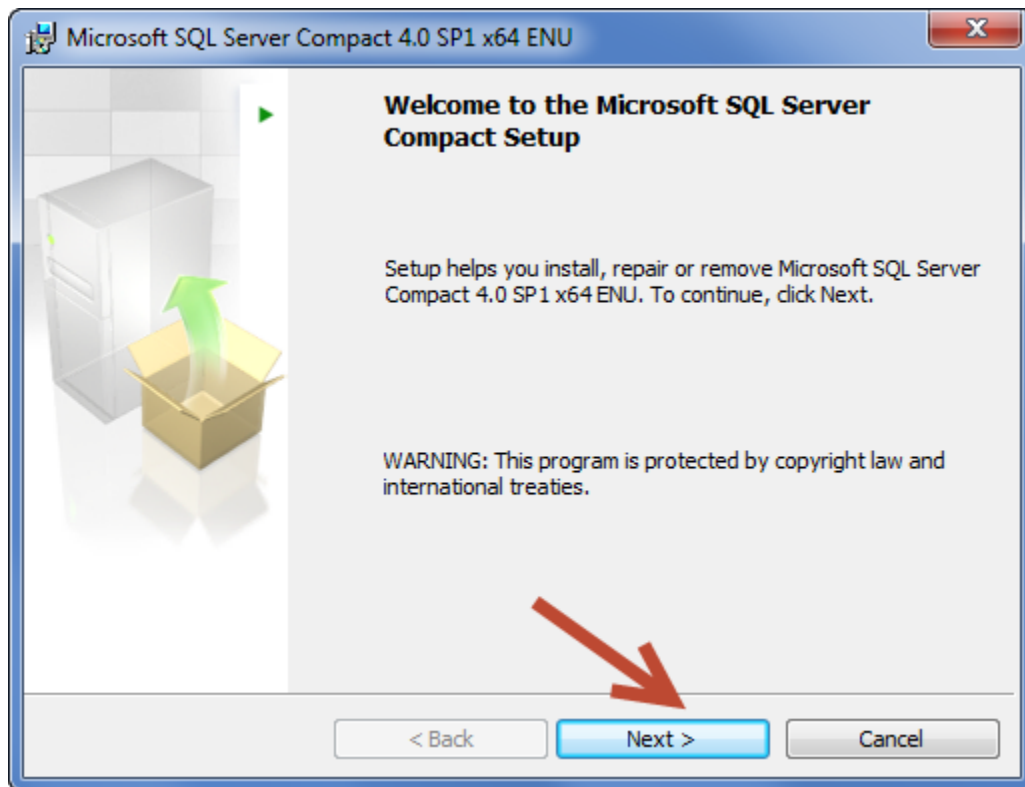
2. The setup will begin and you should see a screen similar to the one below while StreetSync is installing.



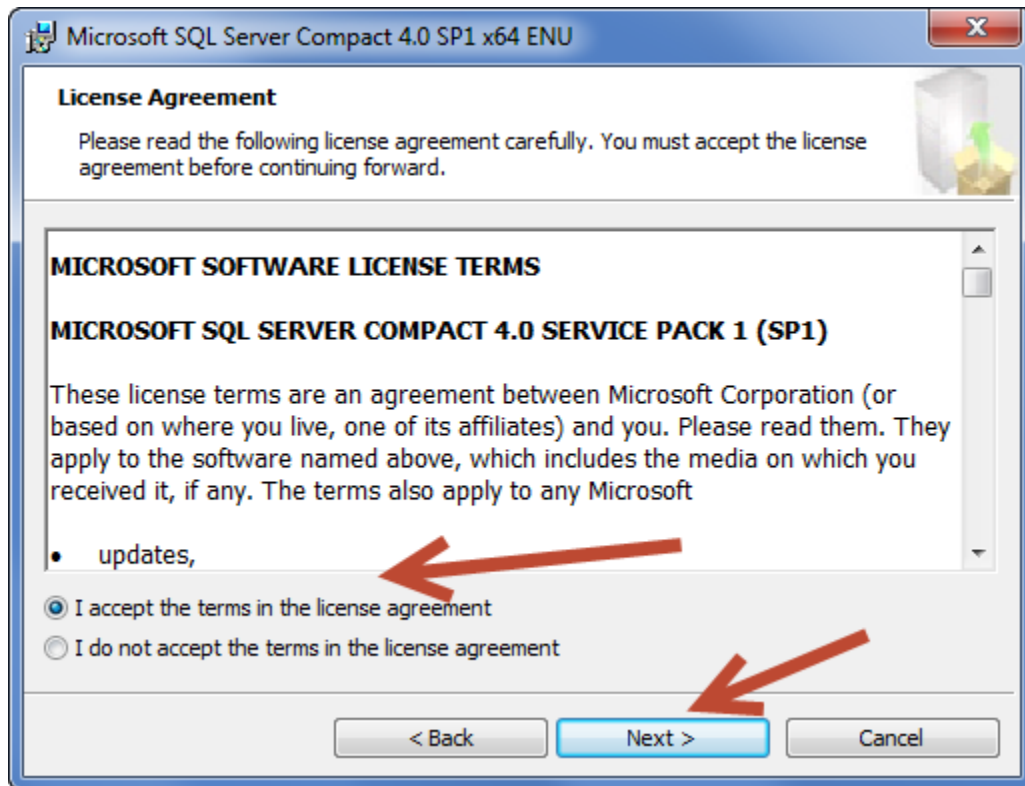
- When the initial installation is completed the following screen will request a hardware reboot. Please answer **Yes** to reboot your PC, laptop, or tablet.



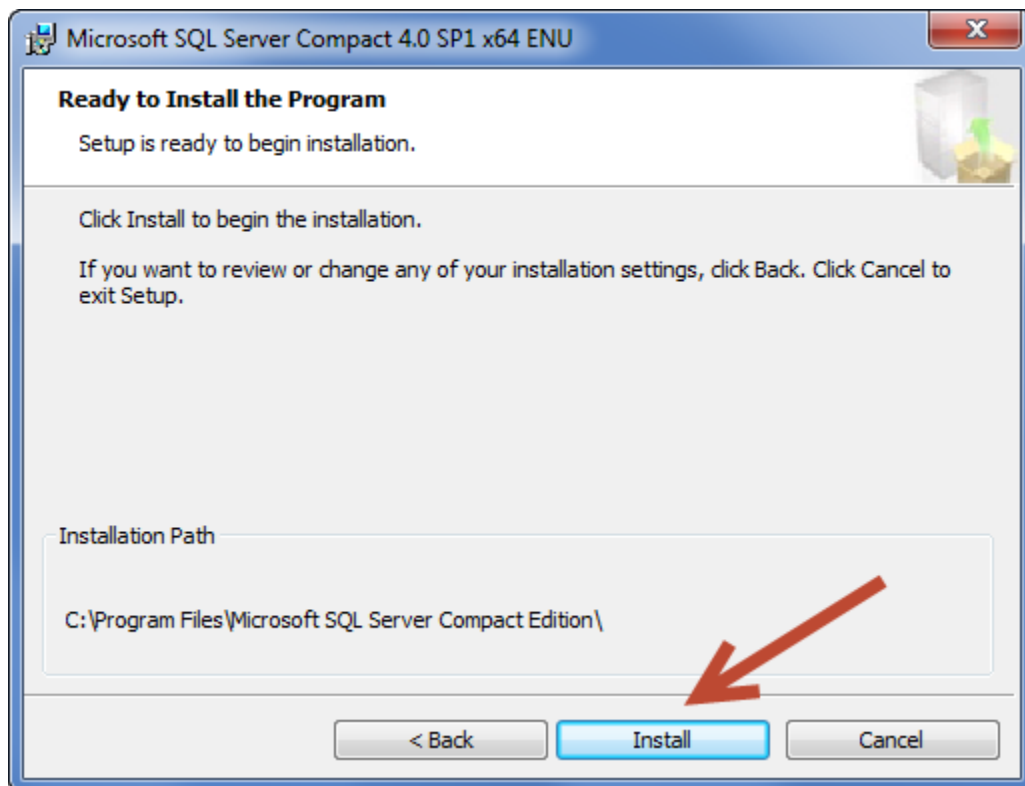
- Upon restart the following screen may be displayed depending on what has been previously installed on your particular PC/Laptop/Tablet computer. If this screen is displayed then the setup will now install Microsoft SQL Compact Database software otherwise it has previously been installed. If this screen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



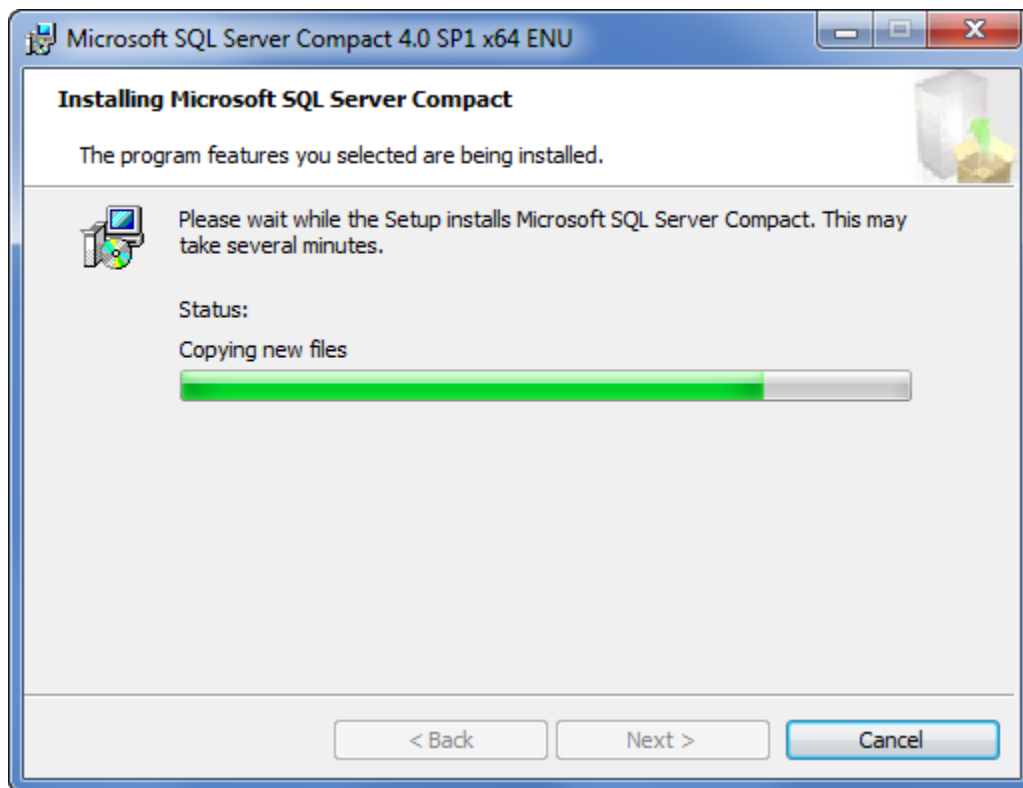
5. Select Next to continue.



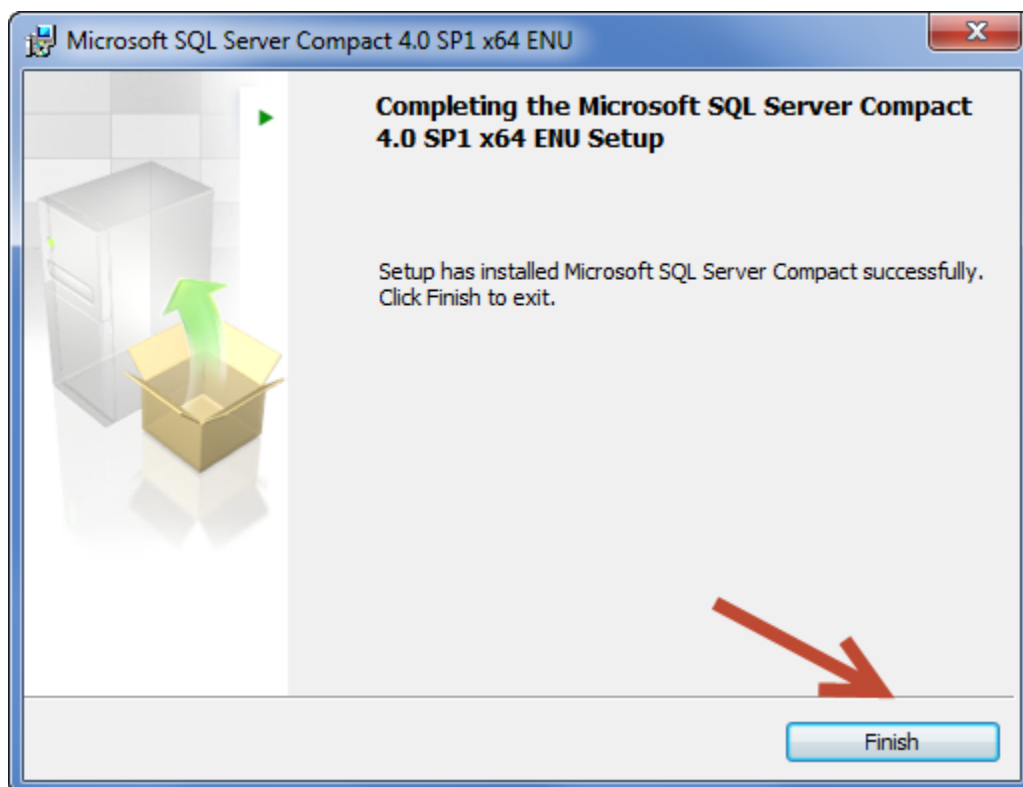
6. Accept the License Agreement and select Next to continue.



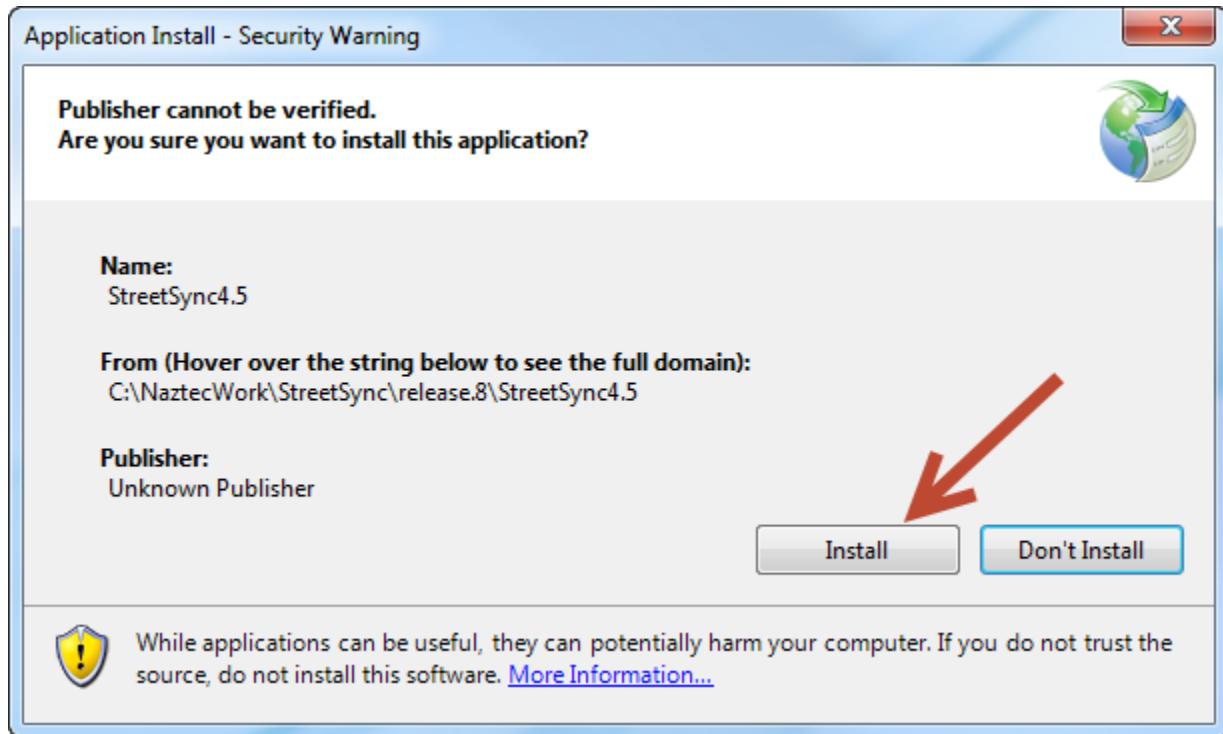
7. Select Install to install the SQL Compact Database software.



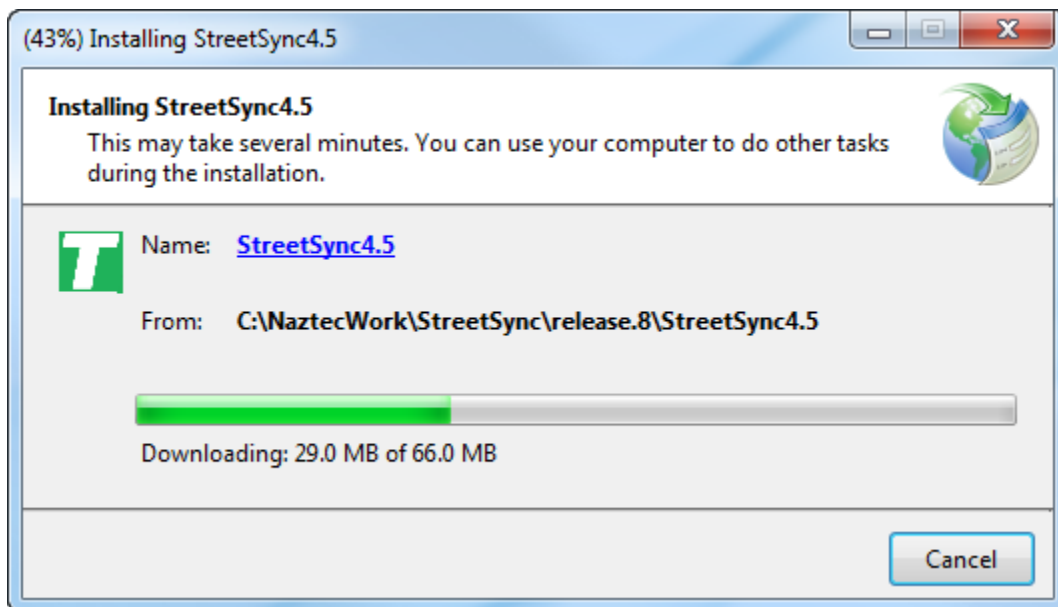
8. When completed, the following screen will be displayed.



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.

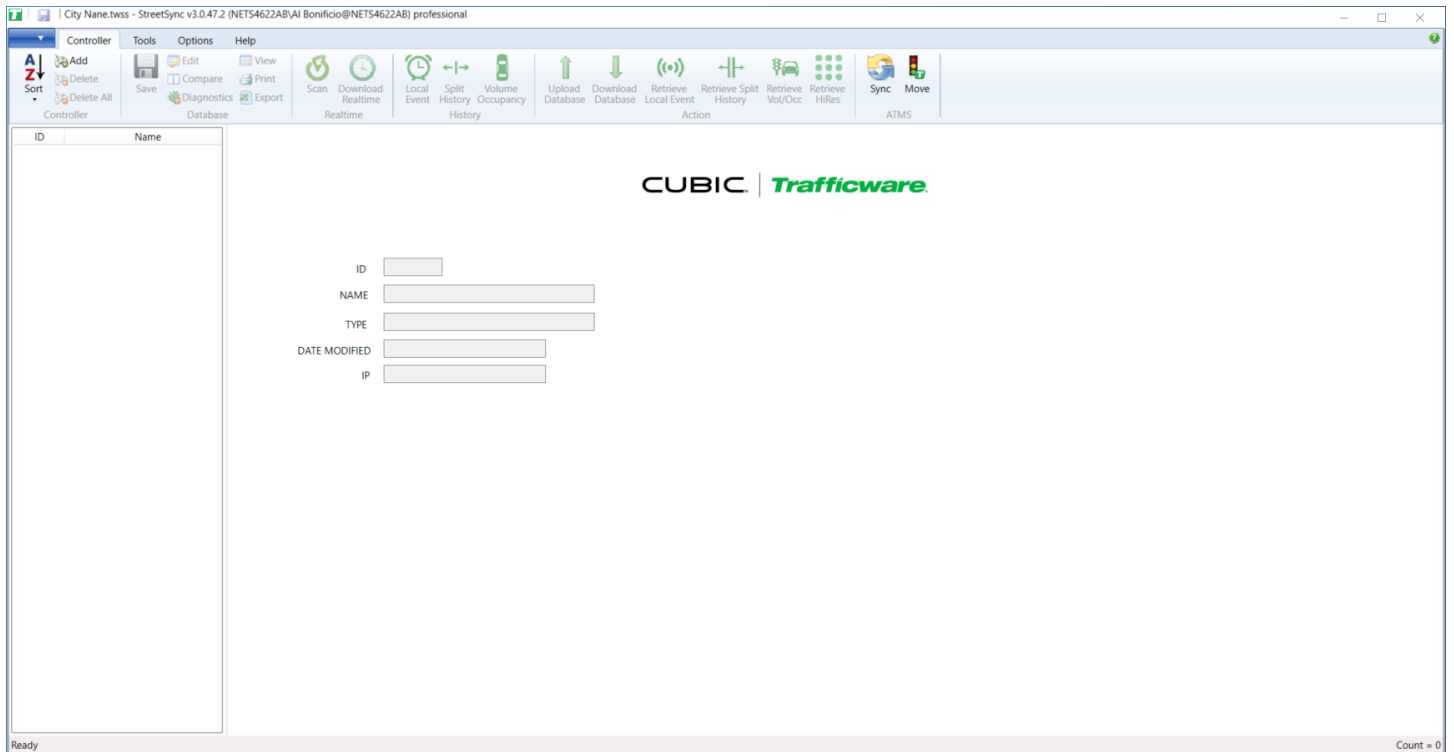


12. When installation is completed StreetSync will automatically start and the splash screen below will be displayed.



Starting StreetSync

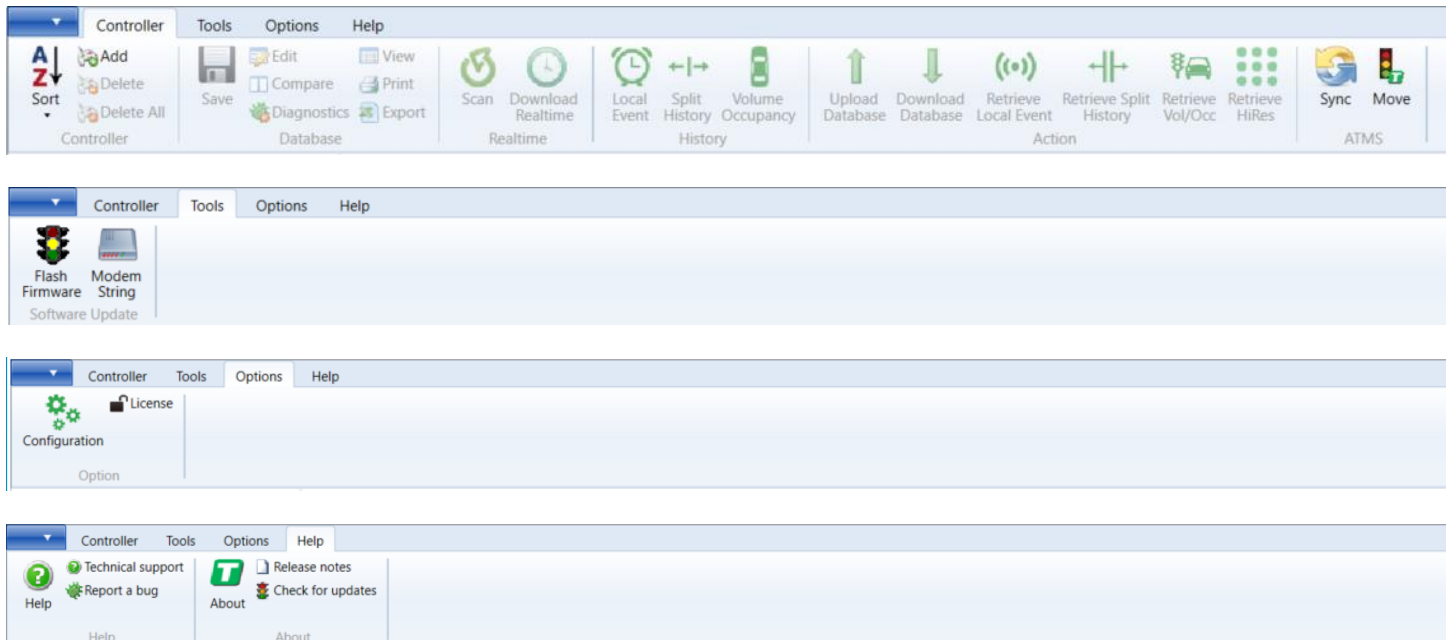
When you first start StreetSync the following screen will appear.



You must now license the firmware via the tool bar.

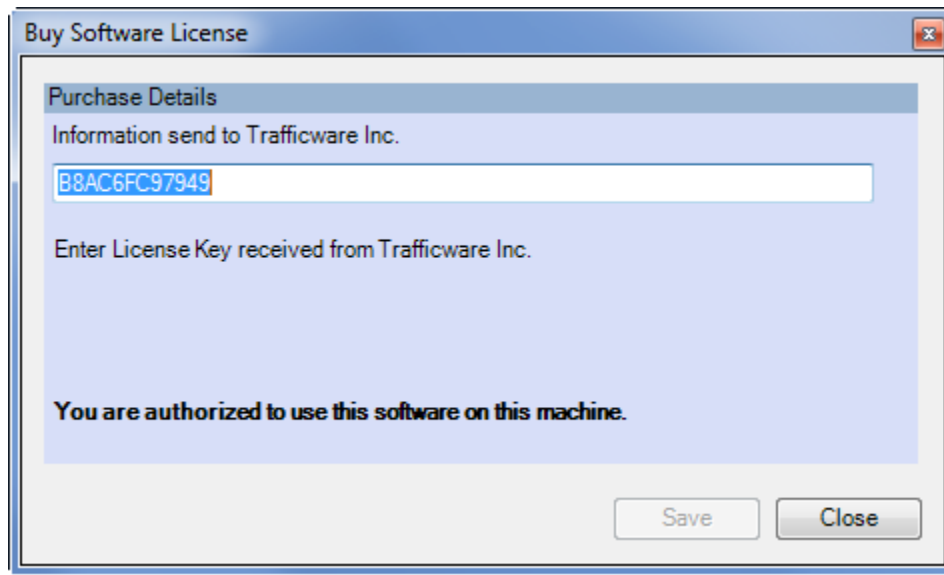
Quick Action Tool Bar

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.

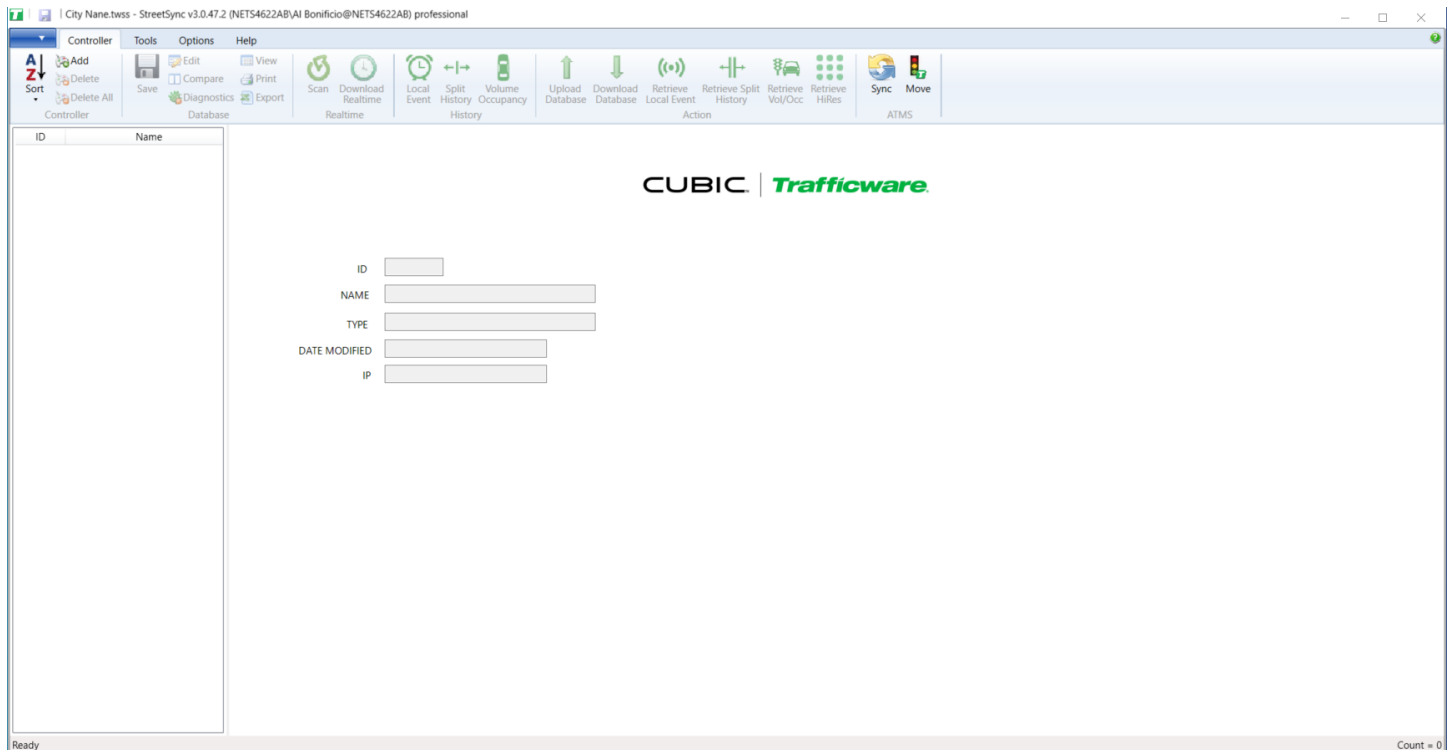


License

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.*

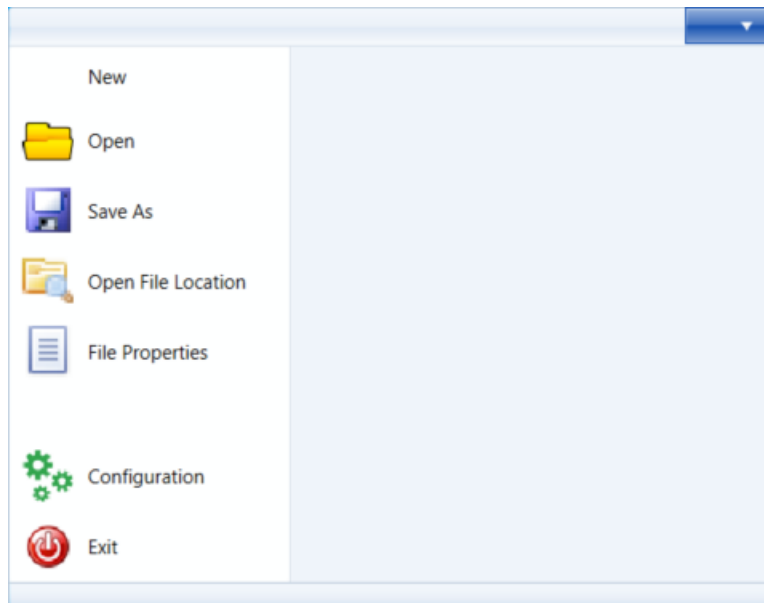


Once licensed, the following screen will appear:



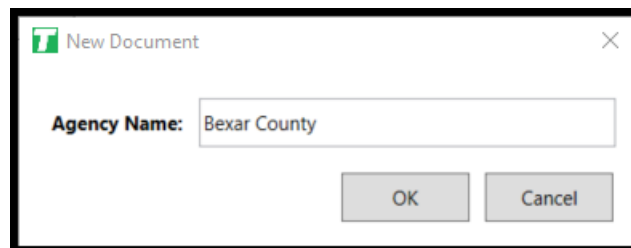
Selection Drop-Down Menu

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

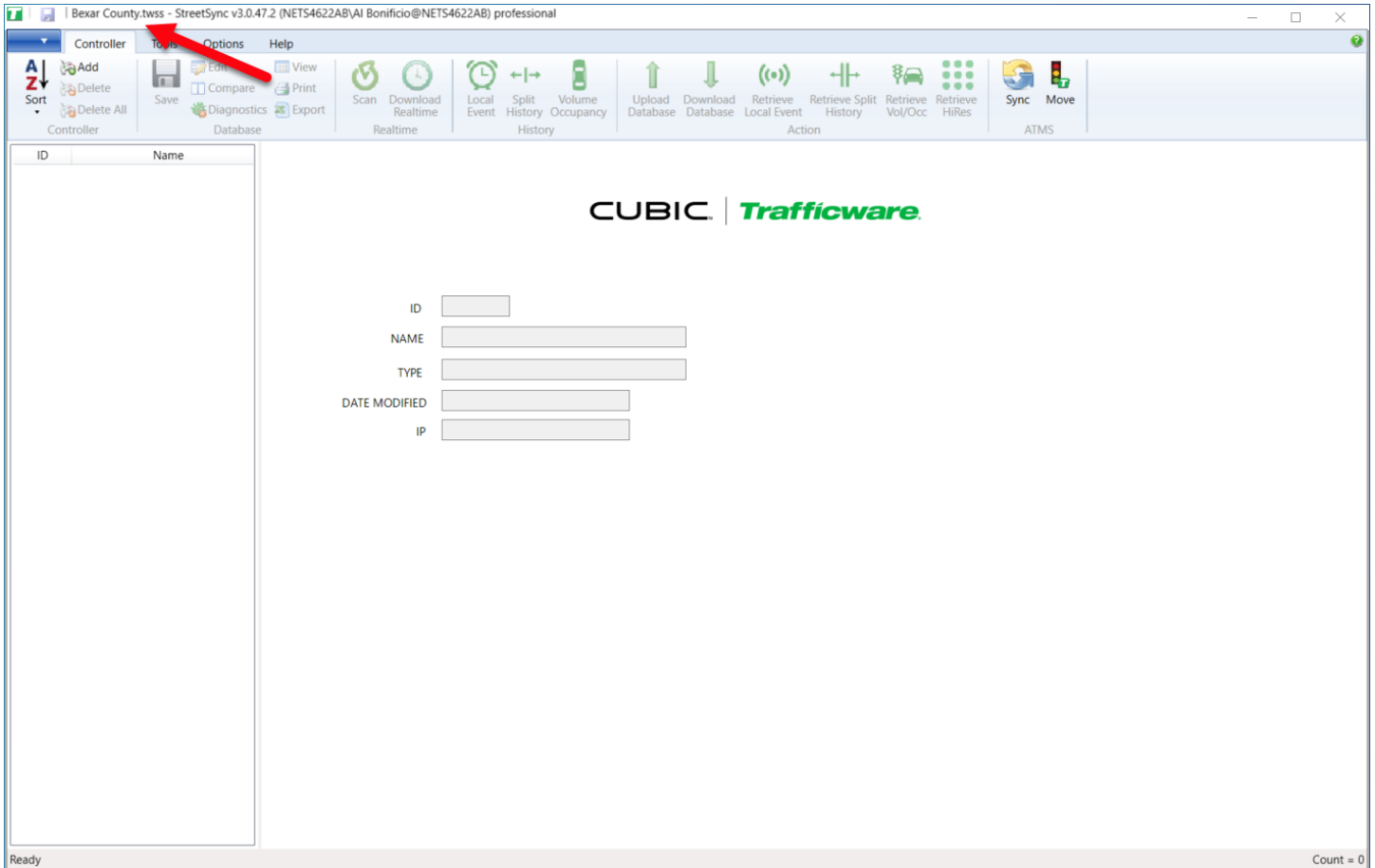


New City/Jurisdiction

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.

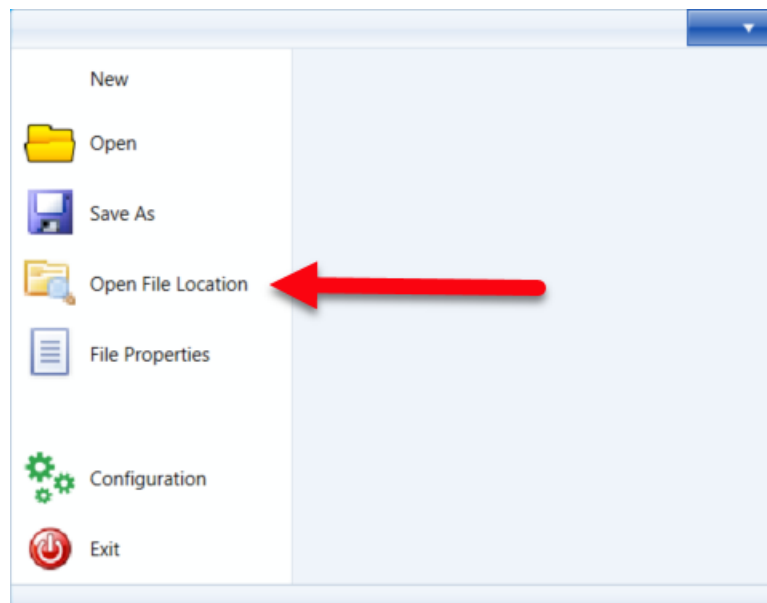


Once the new city/jurisdiction is created, the title bar will change to reflect the file.

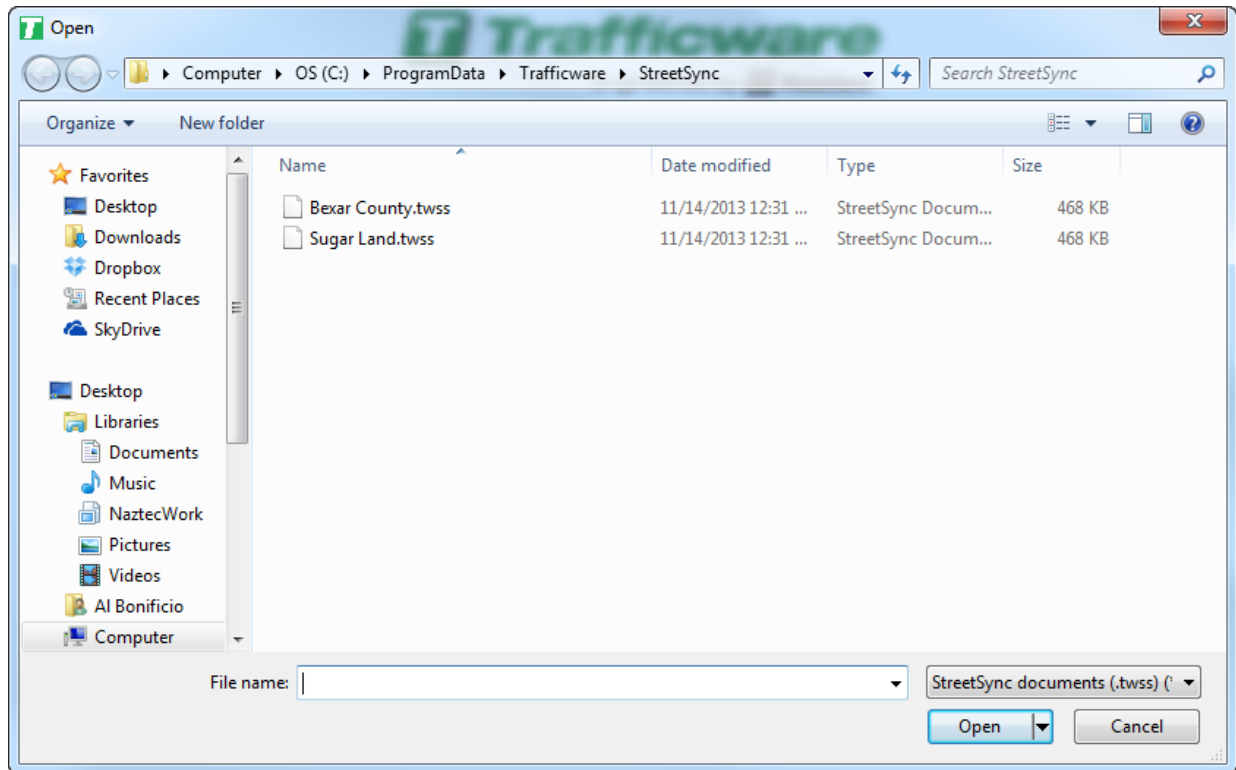


Viewing all City/Jurisdictions

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

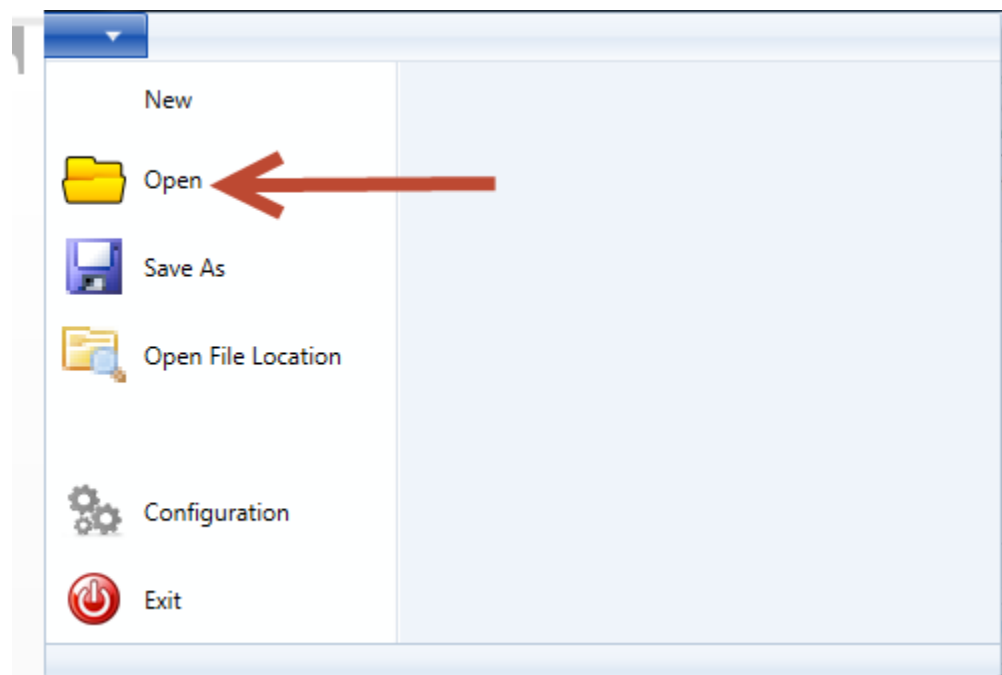


The following browser screen will be displayed.

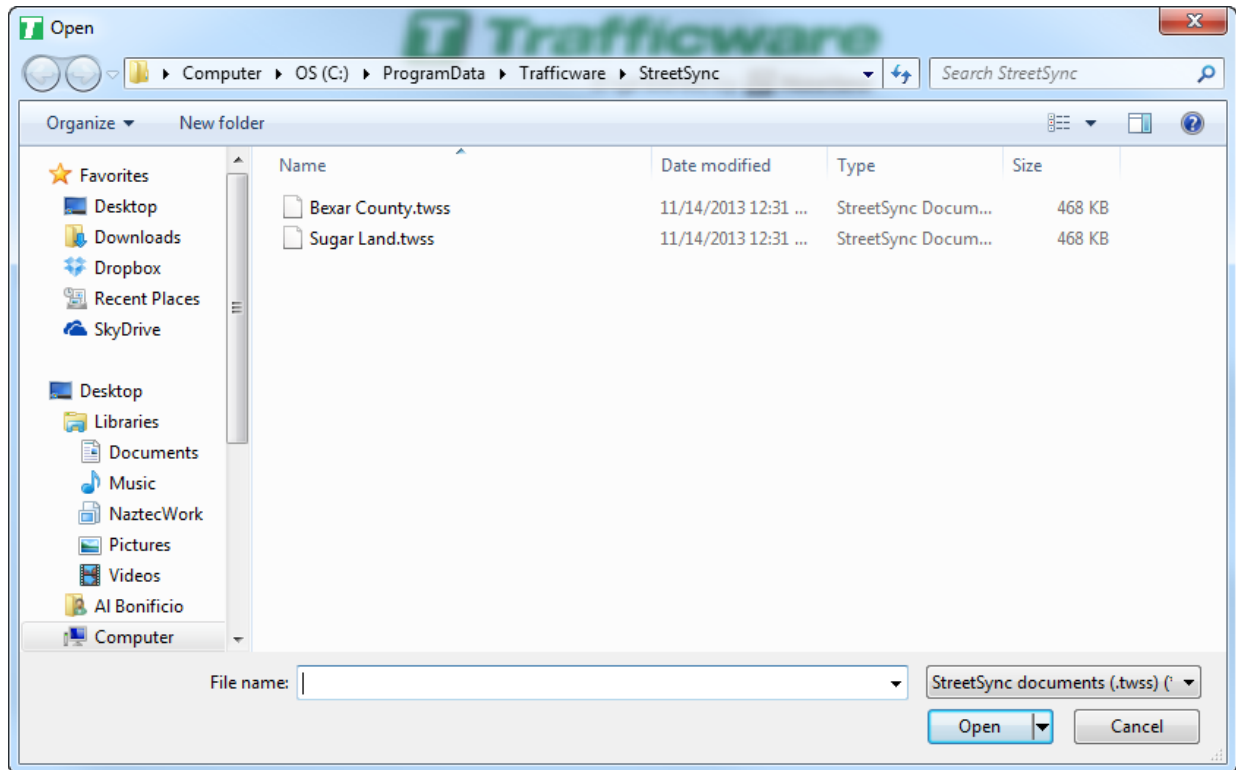


Switch to another City/Jurisdiction

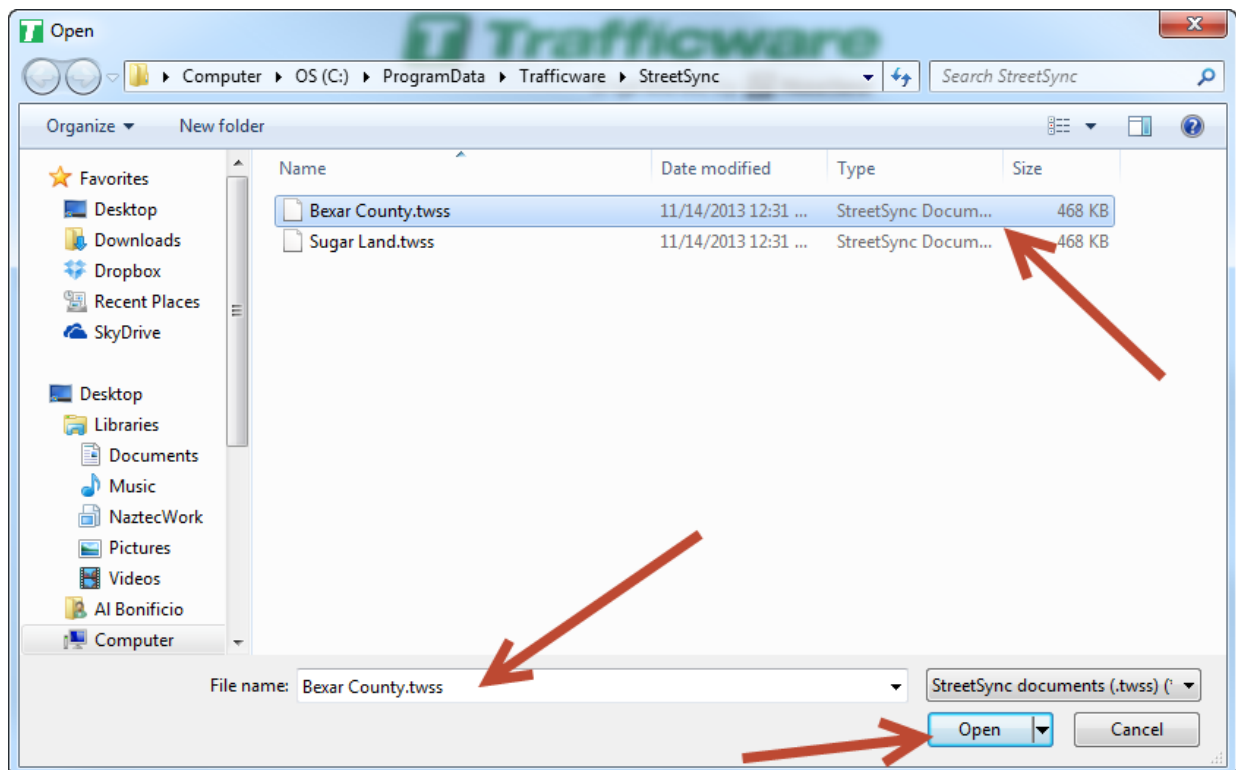
Go to the Selection Drop Down menu and choose **Open**.



The following browser screen will be displayed.



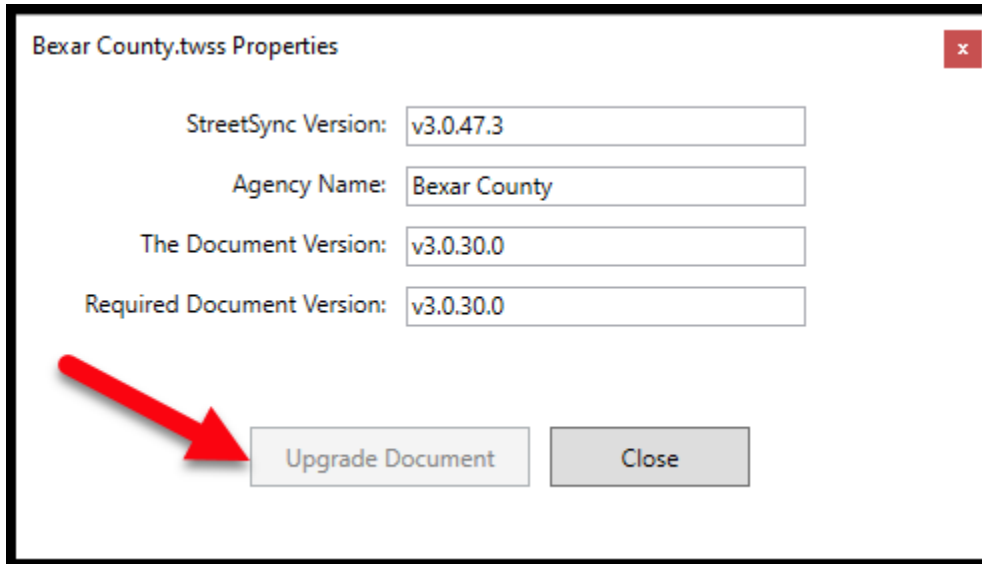
Note: Each city created has the extension .twss which will contain the database information for the city/jurisdiction. Select and open the file you want to access.



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. 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.



Bexar County.twss Properties

StreetSync Version: v3.0.47.3

Agency Name: Bexar County

The Document Version: v3.0.30.0

Required Document Version: v3.0.30.0

Upgrade Document Close

Options Menu

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

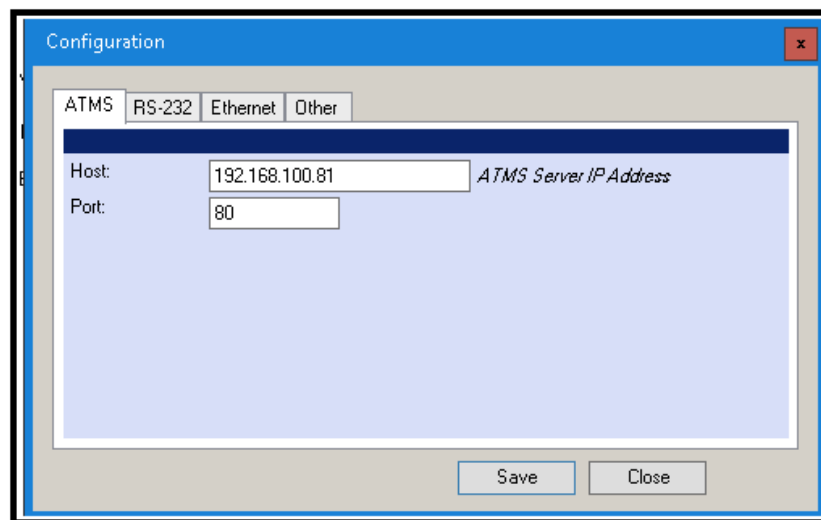
Configuration

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.

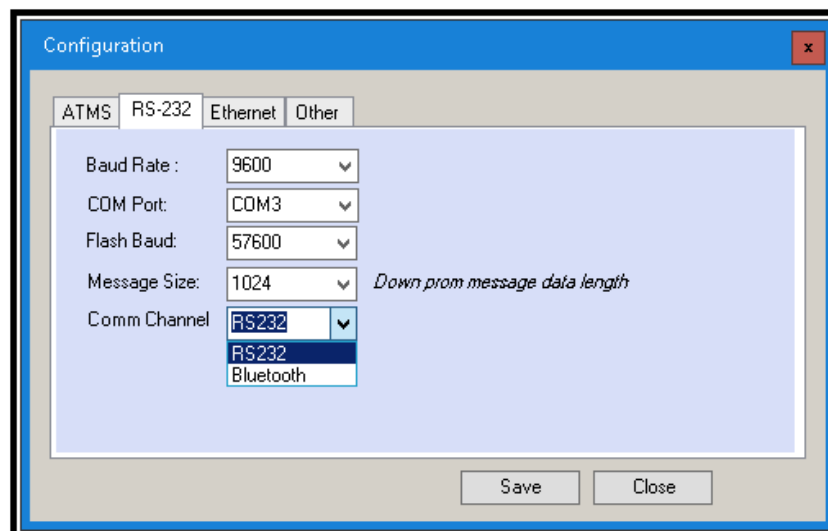
ATMS

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

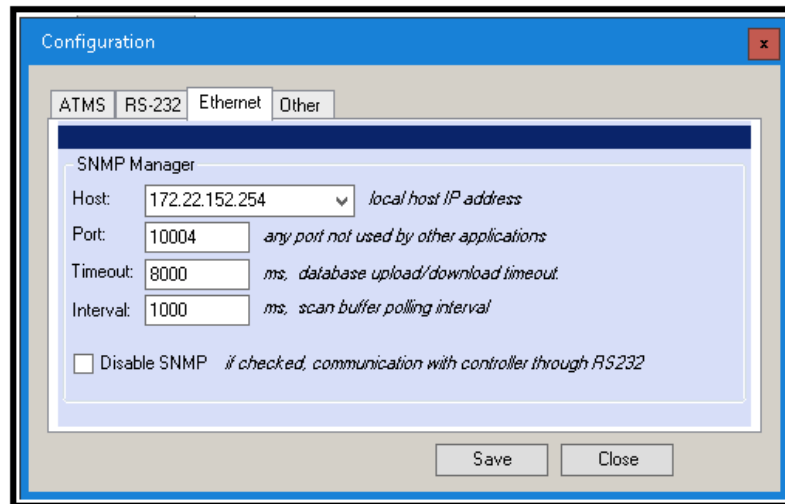
The user will be able to set up the **COMM Channel** (RS232 or Bluetooth) **COMM Port** and the **Baud Rate** (9600 Baud-57600 Baud) to be used for the laptop device that will connect to the controller. The user can also set up a **Flash Baud Rate** (9600 Baud-57600 Baud) when "Flashing" firmware to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

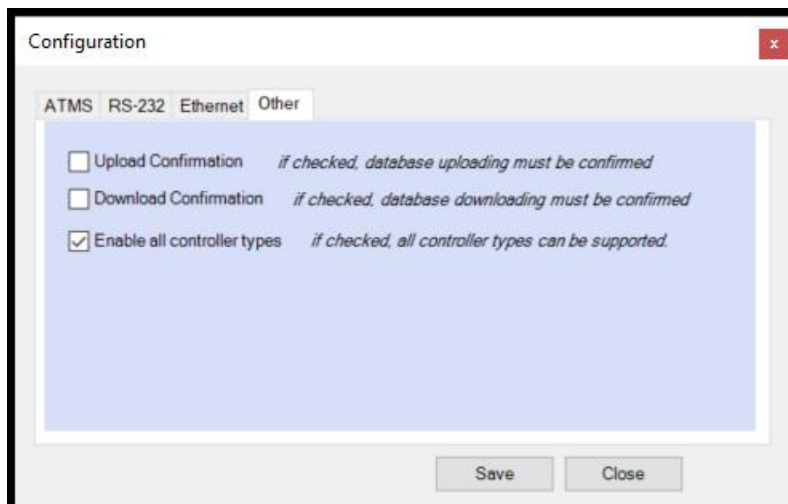
Ethernet (Available for Controllers using Patriot [V76.x] or Scout [V85.x] software ONLY)

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), 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 V80 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.

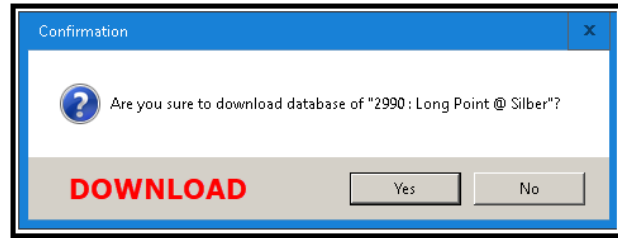
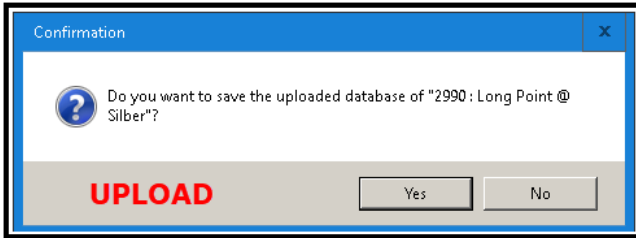


Other (Confirmation of Uploads/Downloads)

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.



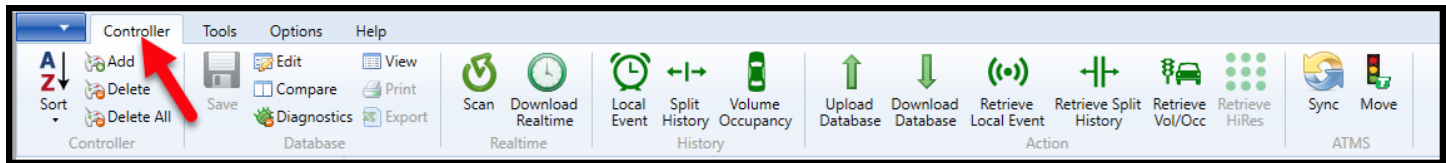
When selected then a Confirmation Message will be displayed that will require the user to confirm before saving the uploaded database or starting the download as shown below.



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.

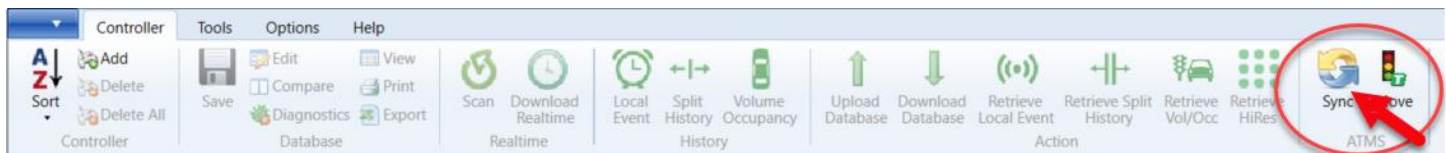
Controller Menu

The controller Menu is used for interfacing with each intersection as well as ATMS



Sync

Sync is found under the ATMS section as shown below.



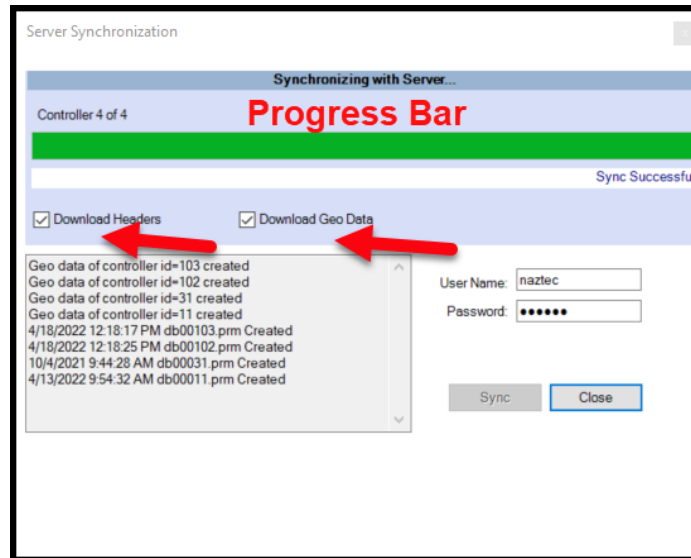
When the user clicks the **Sync** action in the ATMS section, the system will display the Sync action item as shown below.

 A screenshot of the 'Server Synchronization' dialog box. It has a title bar with a close button. The main area is titled 'Synchronize with Server'. Below this is a large empty text area. There are two checkboxes: 'Download Headers' and 'Download Geo Data'. To the right of these are input fields for 'User Name' and 'Password'. At the bottom right 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.

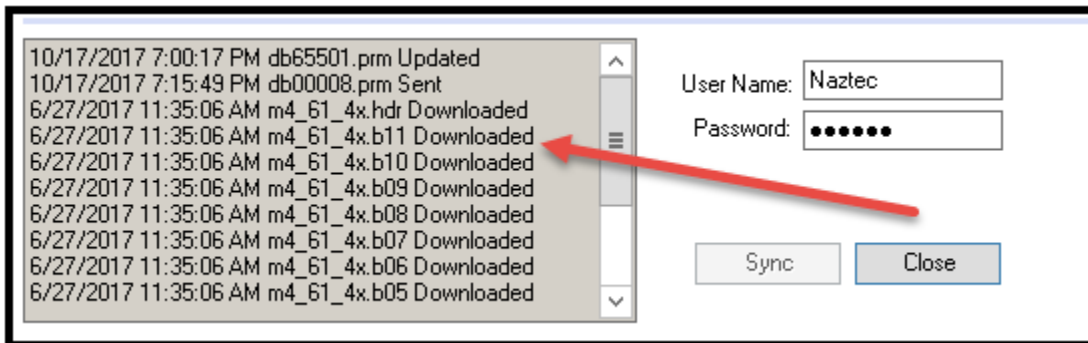
 A screenshot of the 'Server Synchronization' dialog box, identical to the one above but with the 'User Name' field filled with 'naztec' and the 'Password' field filled with a series of dots. These two fields are circled in red.

Selecting 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.

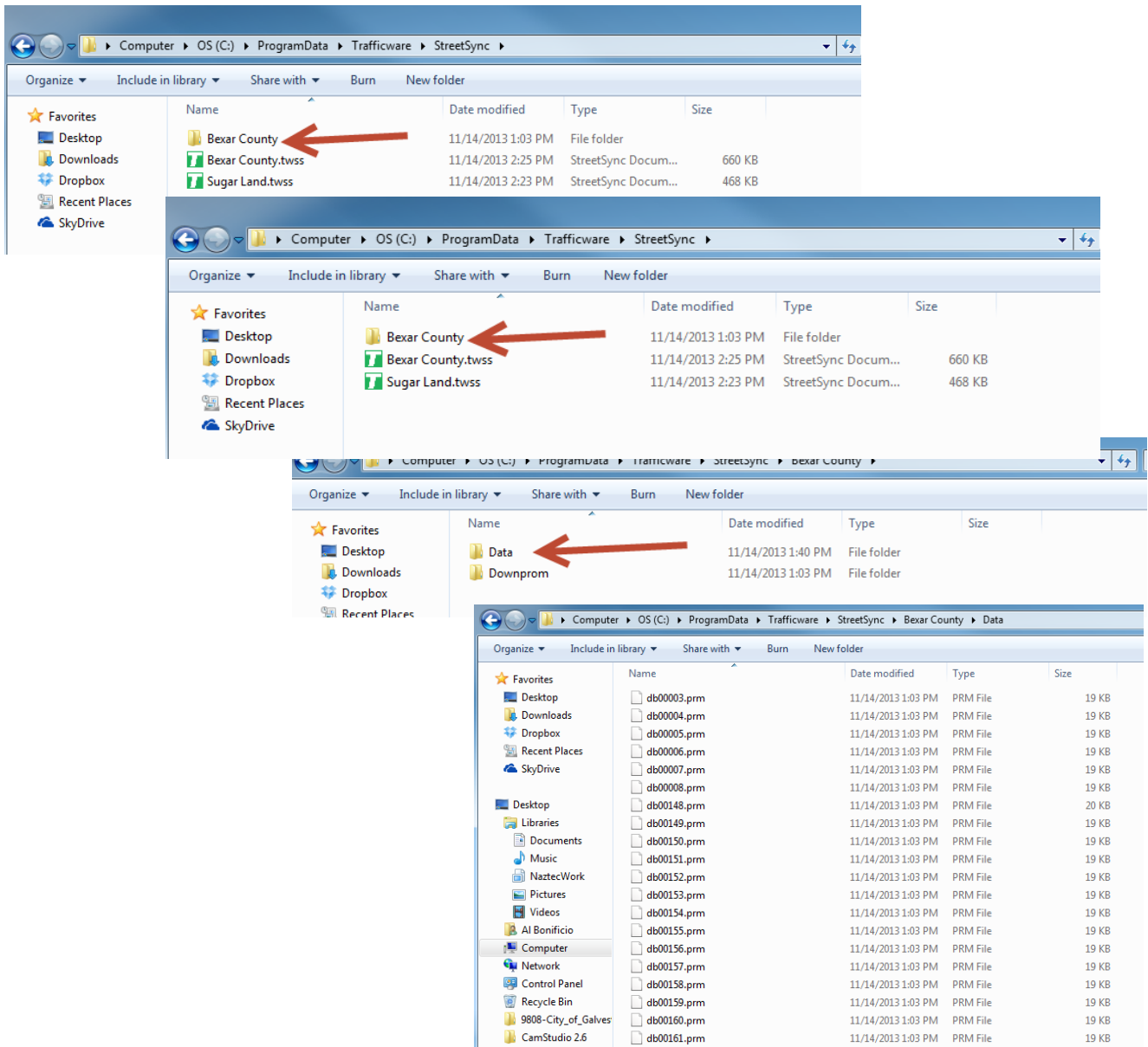
When the Sync is completed, a list of controllers will be displayed. Please note that the status of the transfer from ATMS to StreetSync is also displayed on the left side of the screen as shown below.



Considerations: Synchronizing Software

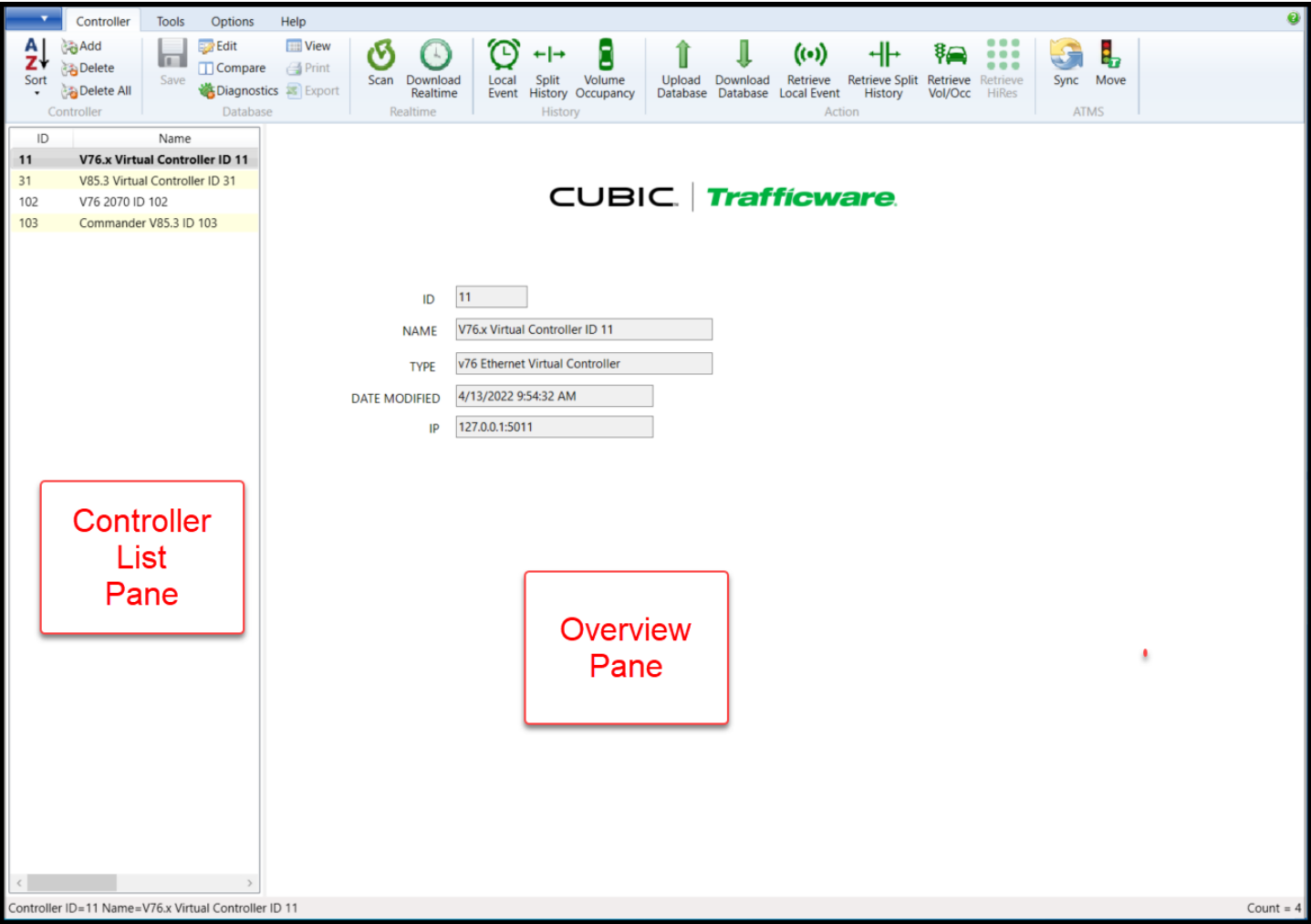
For existing controllers, the synchronization logic first compares the timestamps of the Upload file in ATMS with the "Last Updated" timestamp in ATMS StreetSync. If the "Last Updated" timestamp in StreetSync is newer than the Upload file in ATMS, the controller settings from StreetSync are copied to 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 window panes that the user can view: the Controller List pane and the Overview pane.



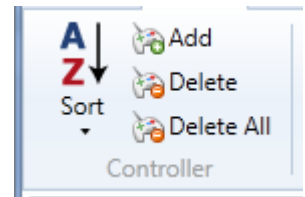
Controller Section

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.

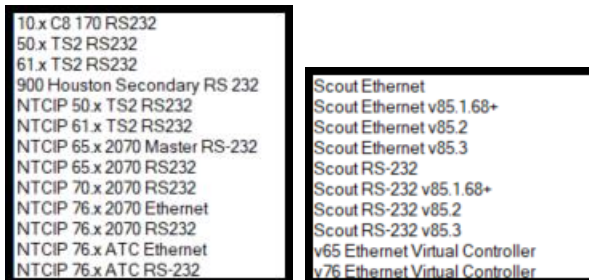
Important: If you create a new controller on the laptop, it will be highlighted as a different color (**RED**) in the controller List Pane and will not be part of the ATMS configuration.



ID: Choose an ID that is not in the database. Valid ID numbers are 1-65535.

NAME: Give a description of this controller.

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

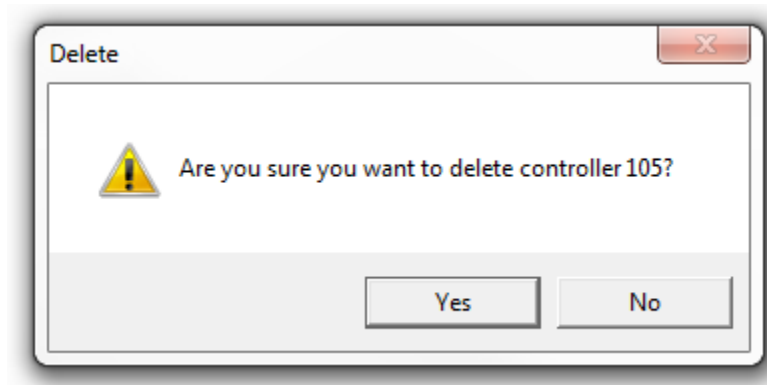


IP: this is the IP address if you select an Ethernet type controller. This is the address that is used when communicating with StreetSync.

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

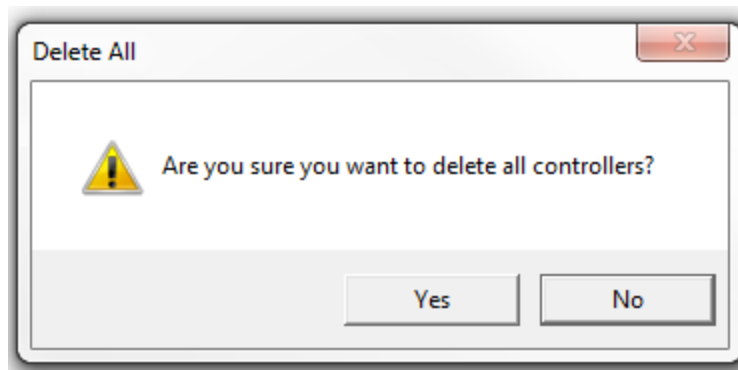
Delete

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.



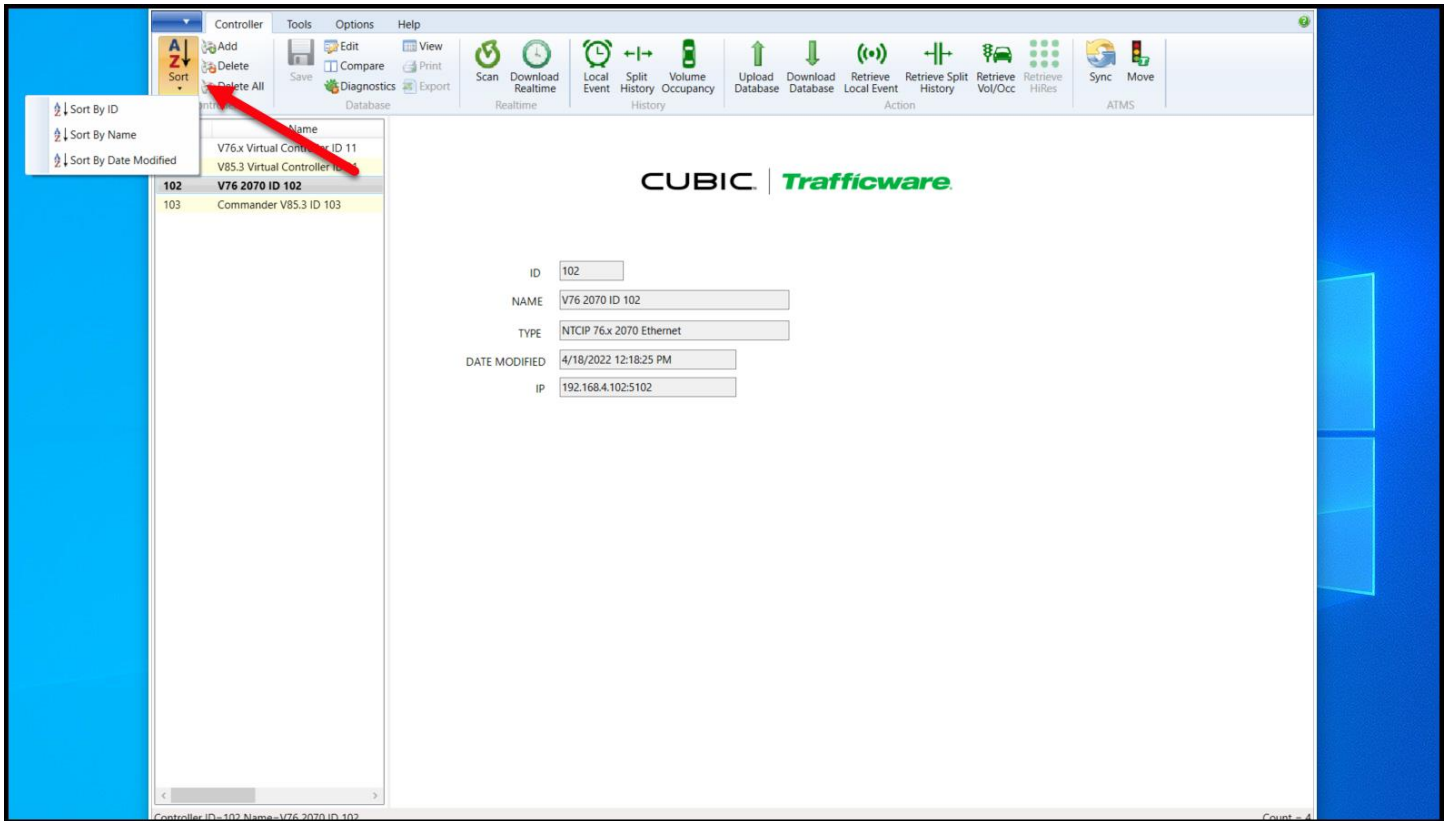
Delete All

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



Sort By ID, Sort By Name

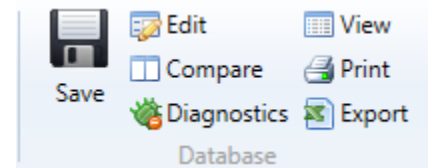
You can sort the database by ID Number, by controller name or by the date modified by this selection or by double-clicking on the column fields in the List pane.



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 info bar on the overview pane will be highlighted in gray when view 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. The Category Display will each tab using the named item, the controller menu Item (in ascending Numerical order) or Both (Full Name).

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

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

Filter: Controller Category Display: Full Name

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

The Category Display section will display each tab using the named item, the controller menu Item (in ascending Numerical order) or Both (Full Name). 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:

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

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_)

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

Edit

This selection allows the user to edit and modify data. The info bar on the overview pane will be highlighted in blue when view 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 Max Limit	Dynamic Max Step	Startup	Enable	Auto Flash Entry
Phase 1	5	1	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	Red	YES	
Phase 2	5	1	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0	0	Red	YES	
Phase 3	5	1	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	Red	YES	
Phase 4	5	1	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0	0	Red	YES	
Phase 5	5	1	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	Red	YES	
Phase 6	5	1	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0	0	Red	YES	
Phase 7	5	1	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	Red	YES	
Phase 8	5	1	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0	0	Red	YES	
Phase 9	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	Red		
Phase 10	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	Red		
Phase 11	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	Red		
Phase 12	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	Red		
Phase 13	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	Red		
Phase 14	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	Red		
Phase 15	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	Red		
Phase 16	0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	Red		

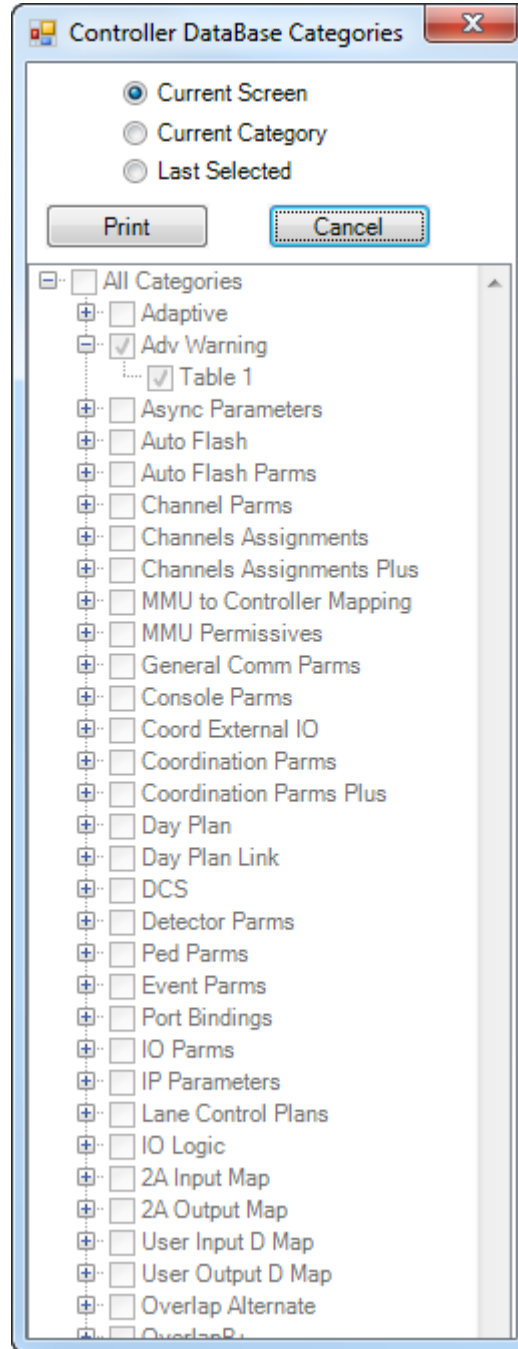
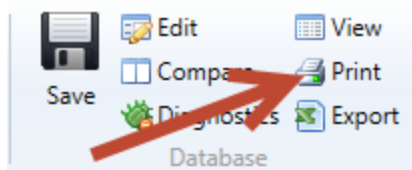
Filter: Controller Category Display: Full Name

Controller ID=102 Name=V76 2070 ID 102 Count = 4

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.

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 radio buttons on the top of the screen.

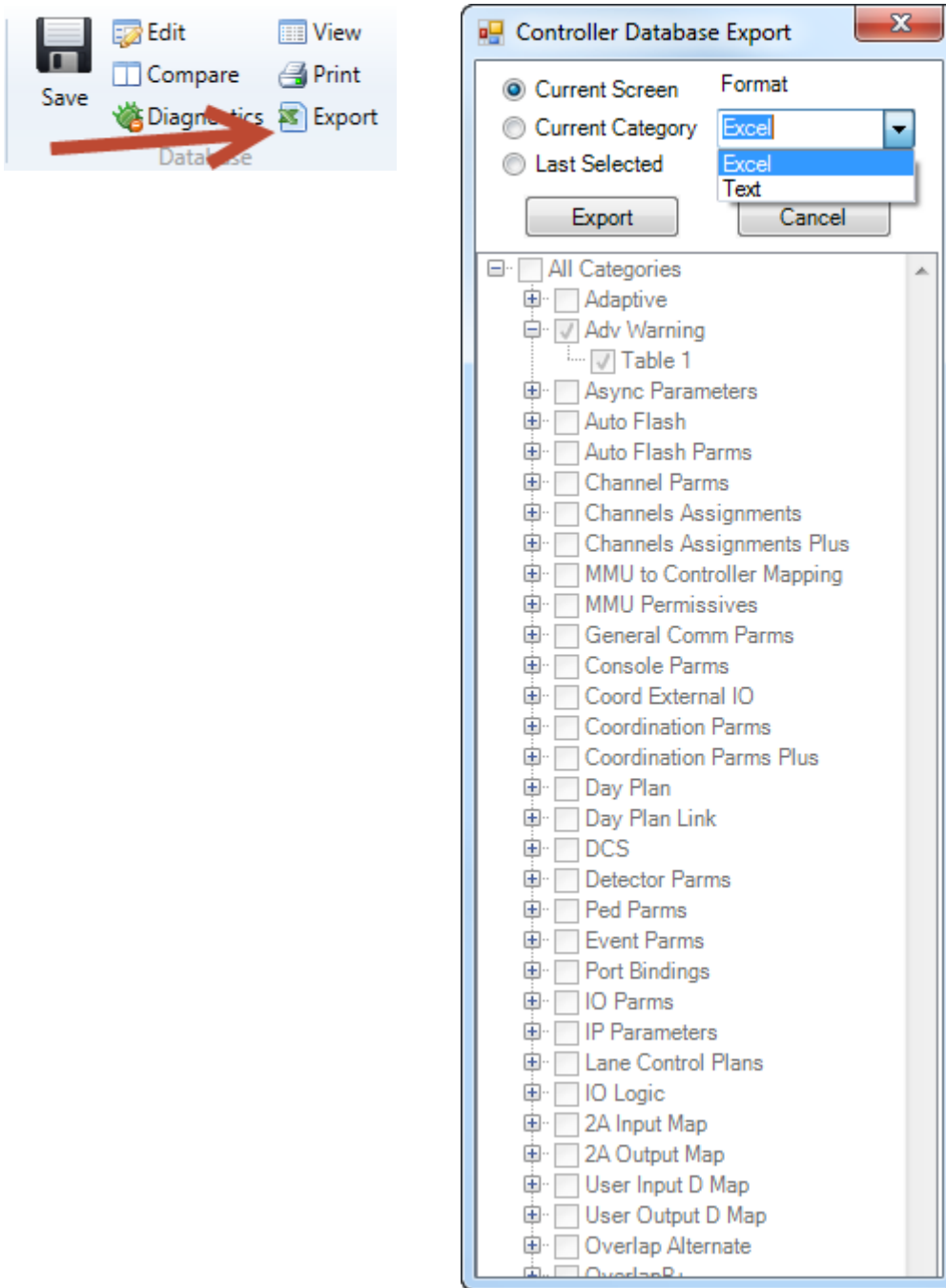
Current Screen will print the current screen being edited.

Current Category will print the current all the 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 you are still in the edit screen, 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 radio buttons on the top of the screen.

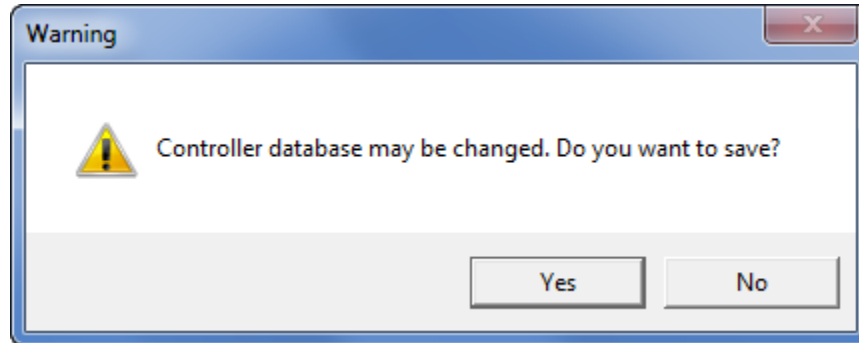
Current Screen will print the current screen being edited.

Current Category will print the current all the 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.

Save

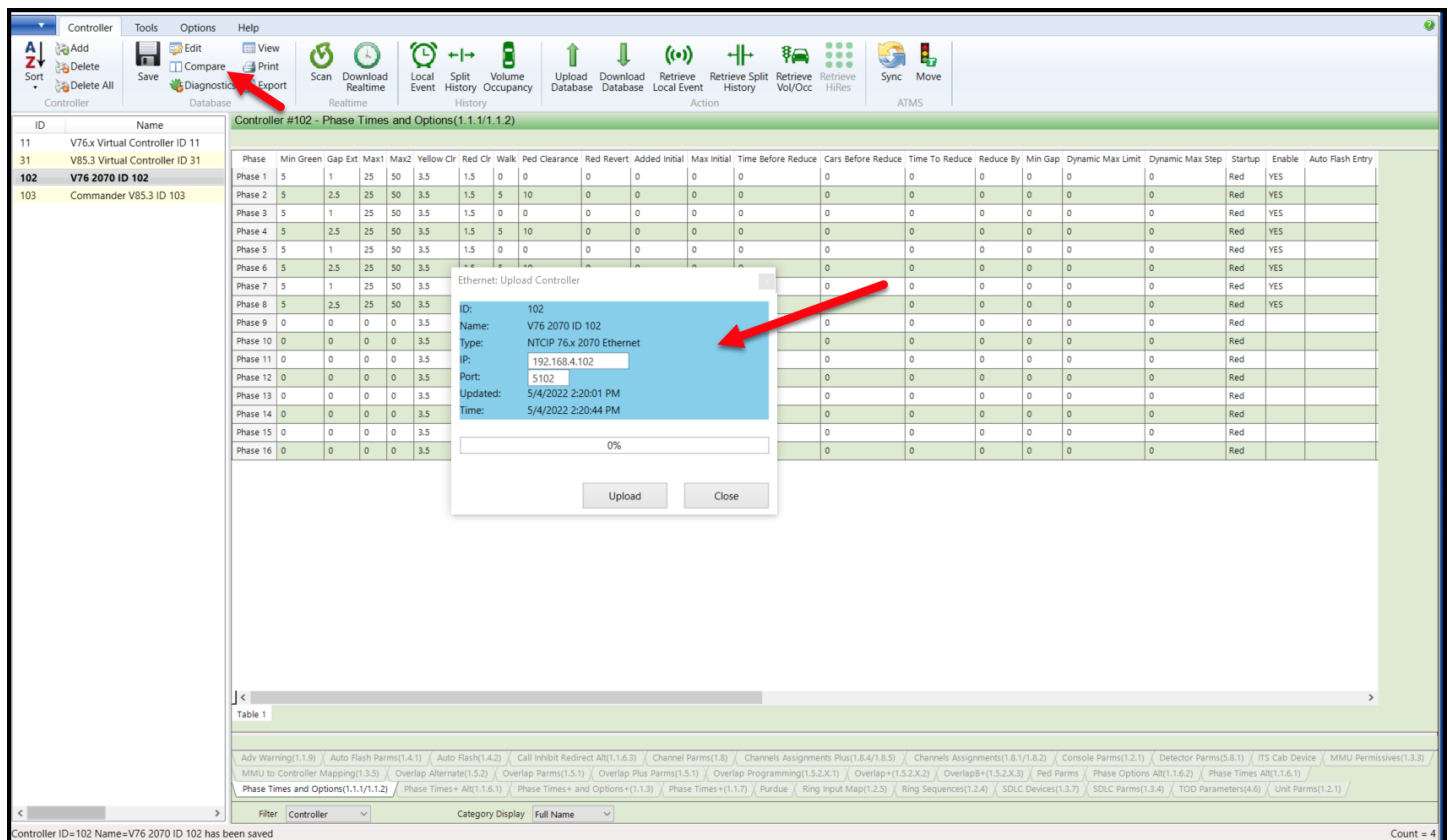
Once edits are completed, Save will write the changes to the database. After selecting Save, the following window will appear. Navigate to the Save Screen by clicking on another icon or menu item.



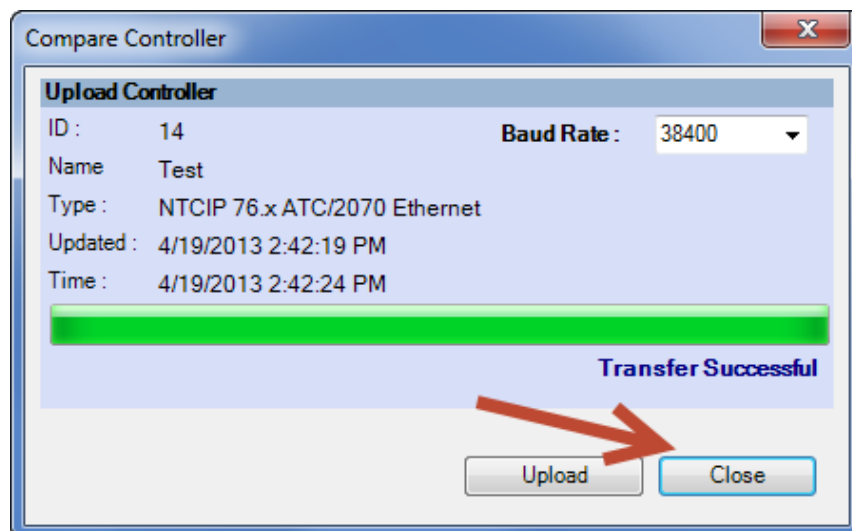
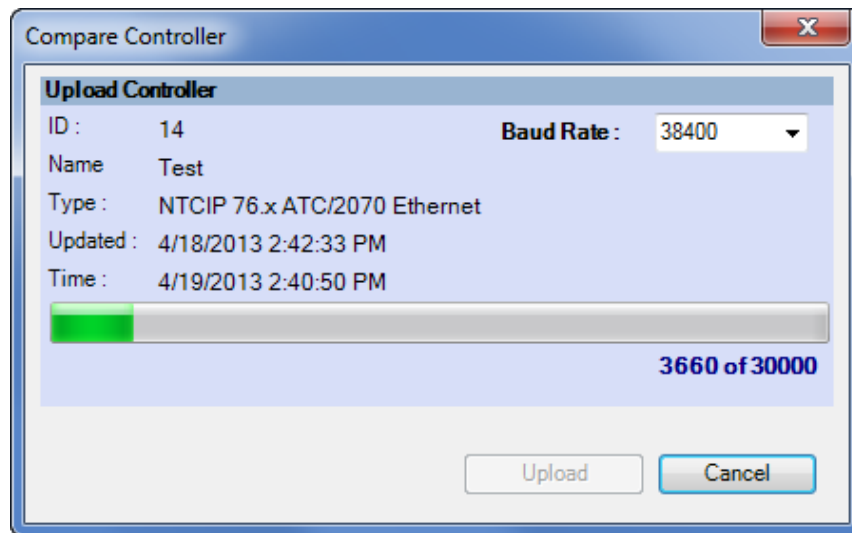
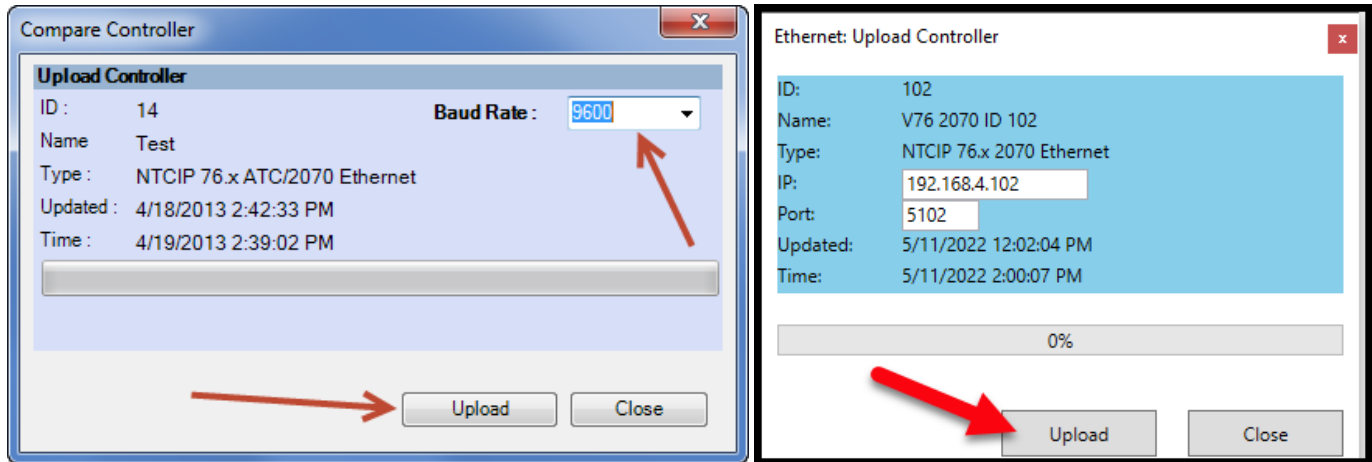
Selecting YES will save the database. All Data which is edited using StreetSync is saved on the /nazserv/data directory on the StreetSync PC. When editing is completed, the updated .prm file is then time stamped.

Compare

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



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.



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

Controller Database Comparison - Phase Times and Options(1.1.1/1.1.2)

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

Table 1

General Comm Params(6.1) / IO Logic(1.9.2) / IO Params(1.9.1) / IP Parameters(6.5) / ITS Cab Device / Lane Control Plans / Alt. Permissives(1.3.3) / MMU to Controller Mapping(1.3.5) / Overlap Alternate(1.5.2) / Overlap Params(1.5.1) / 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)

Database Configurations Show Only Differences

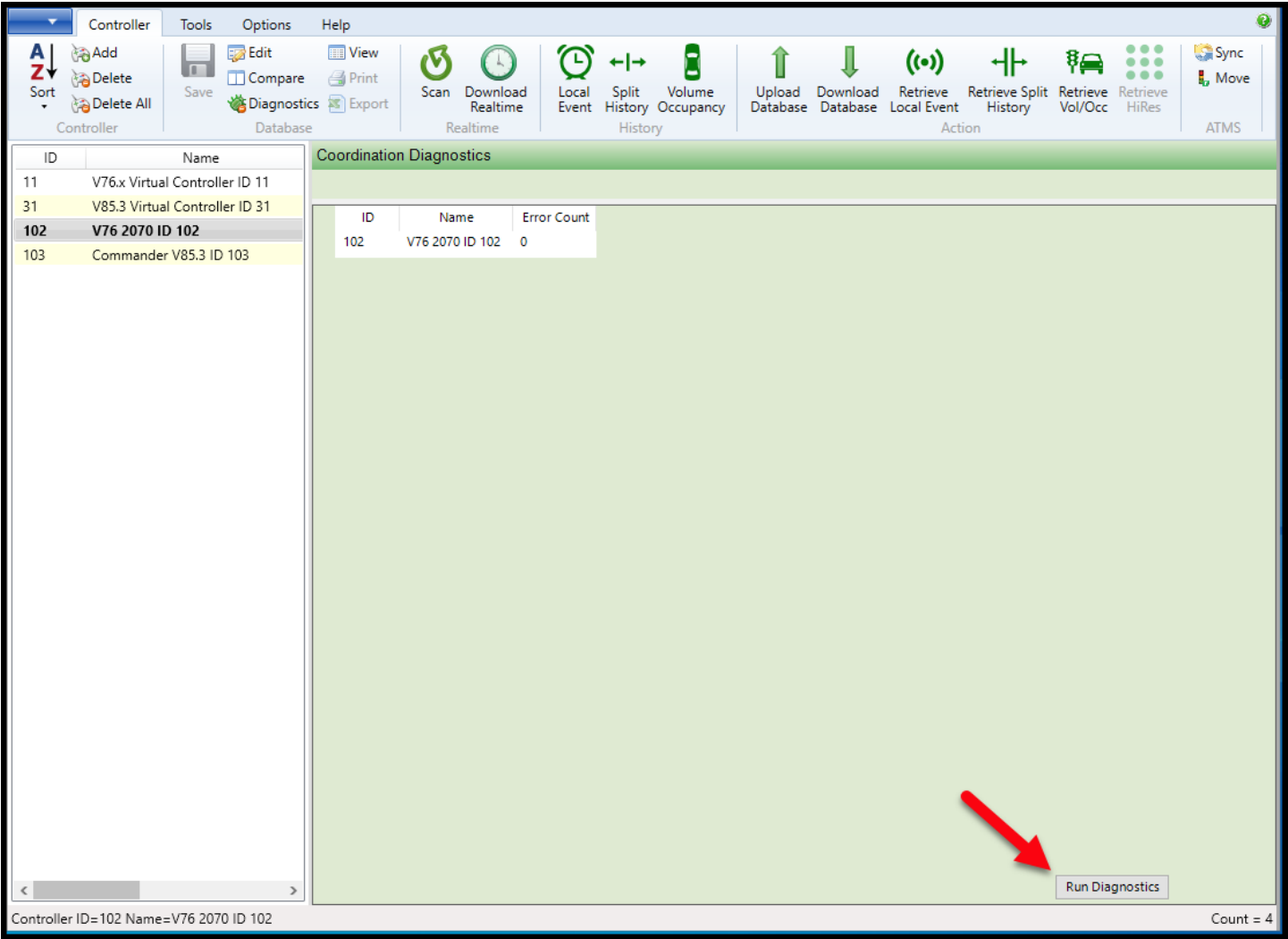
Controller ID=102 Name=V76 2070 ID 102 Count = 4

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.

The user can make note of these differences and edit the database if needed.

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 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

Controller

Tools

Options

Help

Sort

Controller

Add

Delete

Delete All

Save

Diagnosics

Edit

Compare

Export

View

Print

Scan

Download Realtime

Local Event

Split History

Volume Occupancy

Upload Database

Download Database

Retrieve Local Event

Retrieve Split History

Retrieve Vol/Occ

Retrieve HiRes

Sync Move

ATMS

ID	Name
11	V76.x Virtual Controller ID 11
31	V85.3 Virtual Controller ID 31
102	V76 2070 ID 102
103	Commander V85.3 ID 103

Coordination Diagnostics

ID	Name	Error Count
102	V76 2070 ID 102	0

Run Diagnostics

Controller ID=102 Name=V76 2070 ID 102

Count = 4

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.

Controller

ToolsOptionsHelp

Sort

AddDeleteDelete All

Controller

Save

EditCompareDiagnostics

Database

ViewPrintExport

ScanDownload Realtime

Realtime

Local EventSplit HistoryVolume Occupancy

History

Upload DatabaseDownload DatabaseRetrieve Local EventRetrieve Split HistoryRetrieve Vol/OccRetrieve HiRes

Action

SyncMove

ATMS

ID	Name
11	V76.x Virtual Controller ID 11
31	V85.3 Virtual Controller ID 31
102	V76 2070 ID 102
103	Commander V85.3 ID 103

Coordination Diagnostics

ID	Name	Error Count
102	V76 2070 ID 102	1

Error: Phase Split Validation - Calculated Phase Time (25) > the minimum Split - Shortway allotment(18) with Actual Split: 20 Pattern: 1 in Split :1 - Phase

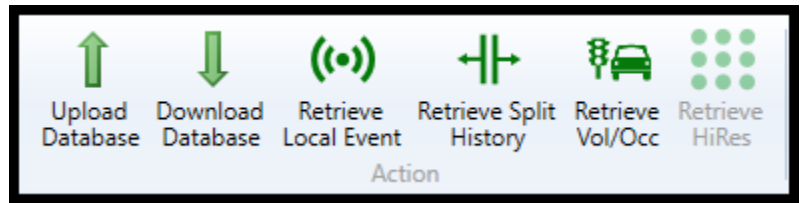
Run Diagnostics

Controller ID=102 Name=V76 2070 ID 102 has been saved

Count = 4

Action Section

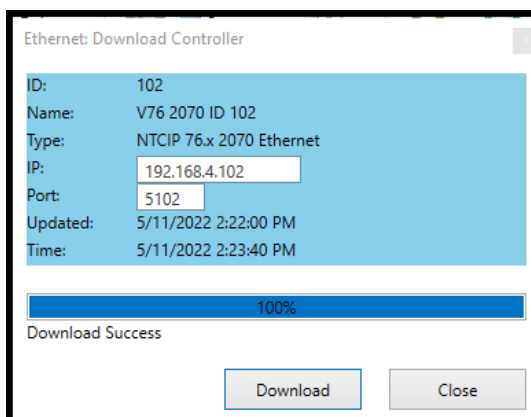
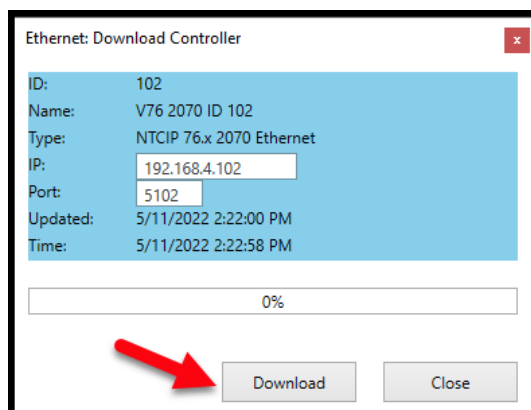
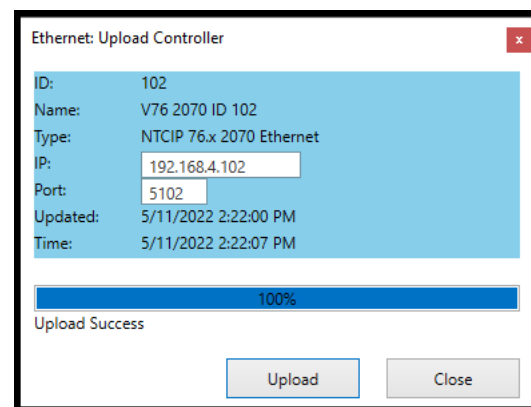
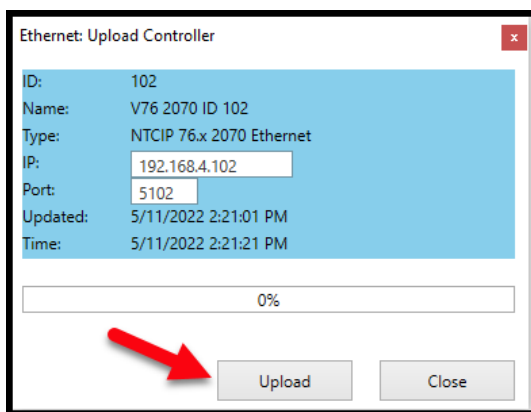
The Action menu will appear on the menu bar. All actions are “instance” actions, meaning that they are only enabled when a controller is selected.



Upload / Download

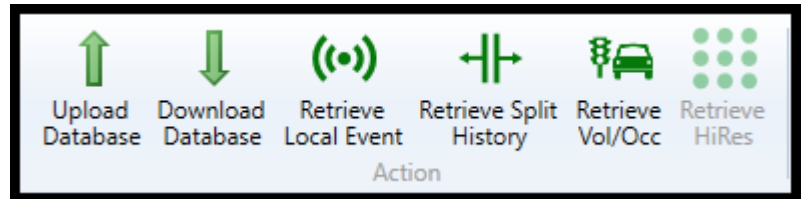
The Upload / Download selections work the same way as in ATMS. The user selects a controller from the list, and then chooses the **Upload** or **Download** menu item. The app then displays the screen depicted below, indicating the selected controller. The user may then click either the **Upload** or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



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.



Ethernet: Local Event

ID: 103
Name: Commander V85.3 ID 103
Type: Scout Ethernet v85.3
IP: 192.168.4.103
Port: 5103
Time: 5/11/2022 2:56:29 PM

0%

☐ Clear Buffer

Retrieve

Close

Ethernet: Local Event

ID: 103
Name: Commander V85.3 ID 103
Type: Scout Ethernet v85.3
IP: 192.168.4.103
Port: 5103
Time: 5/12/2022 12:02:29 PM

100%

5/12/2022 12:02:16 PM Transferring ...
5/12/2022 12:02:17 PM buffer size=201
5/12/2022 12:02:17 PM clear buffer
5/12/2022 12:02:17 PM 12 local events loaded
5/12/2022 12:02:17 PM result is success
5/12/2022 12:02:17 PM Result of uploading local event is Success

☒ Clear Buffer

Retrieve

Close

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, Preemption and transit. Below is an Alarm data sample.

ID	Name
11	V76.x Virtual Controller ID 11
31	V85.3 Virtual Controller ID 31
102	V76 2070 ID 102
103	Commander V85.3 ID 103

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

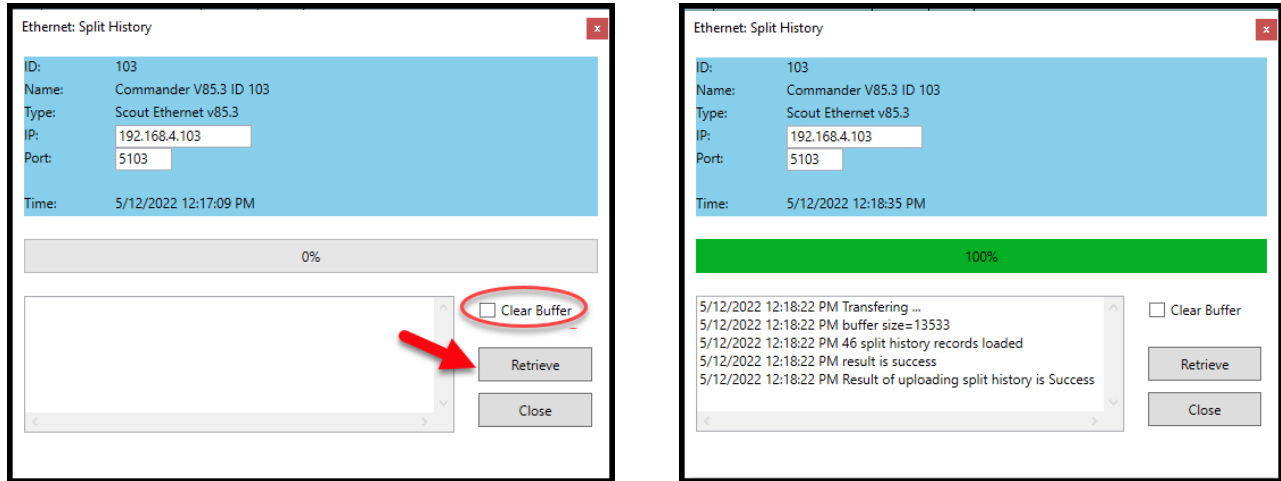
Controller ID=103 Name=Commander V85.3 ID 103

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

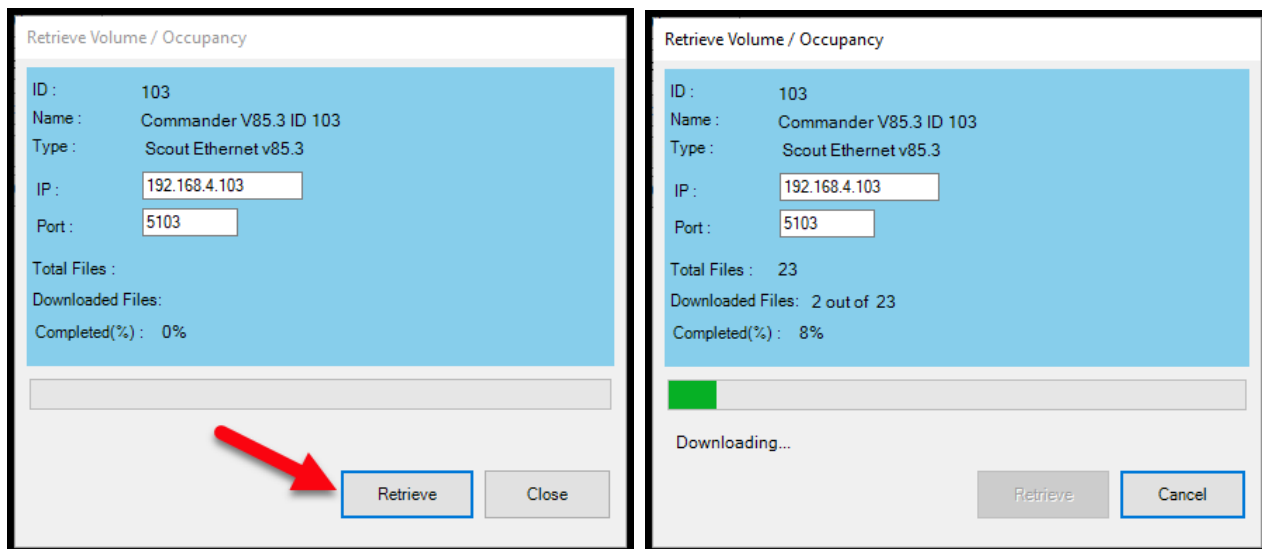
This selection will upload the current split history buffer data. Once selected the following screen will be displayed.



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 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".

Retrieve Volume / Occupancy

ID : 103
Name : Commander V85.3 ID 103
Type : Scout Ethernet v85.3
IP : 192.168.4.103
Port : 5103
Total Files : 23
Downloaded Files: 23 out of 23
Completed(%) : 100%

Download Successful

Retrieve Close

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. 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%

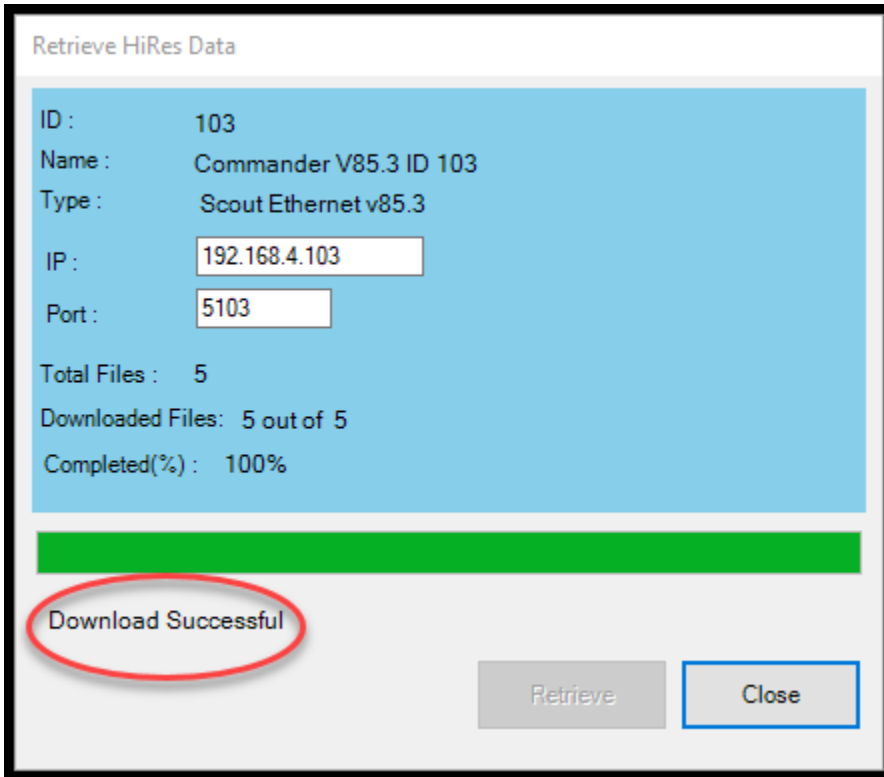
Retrieve Close

Retrieve HiRes Data

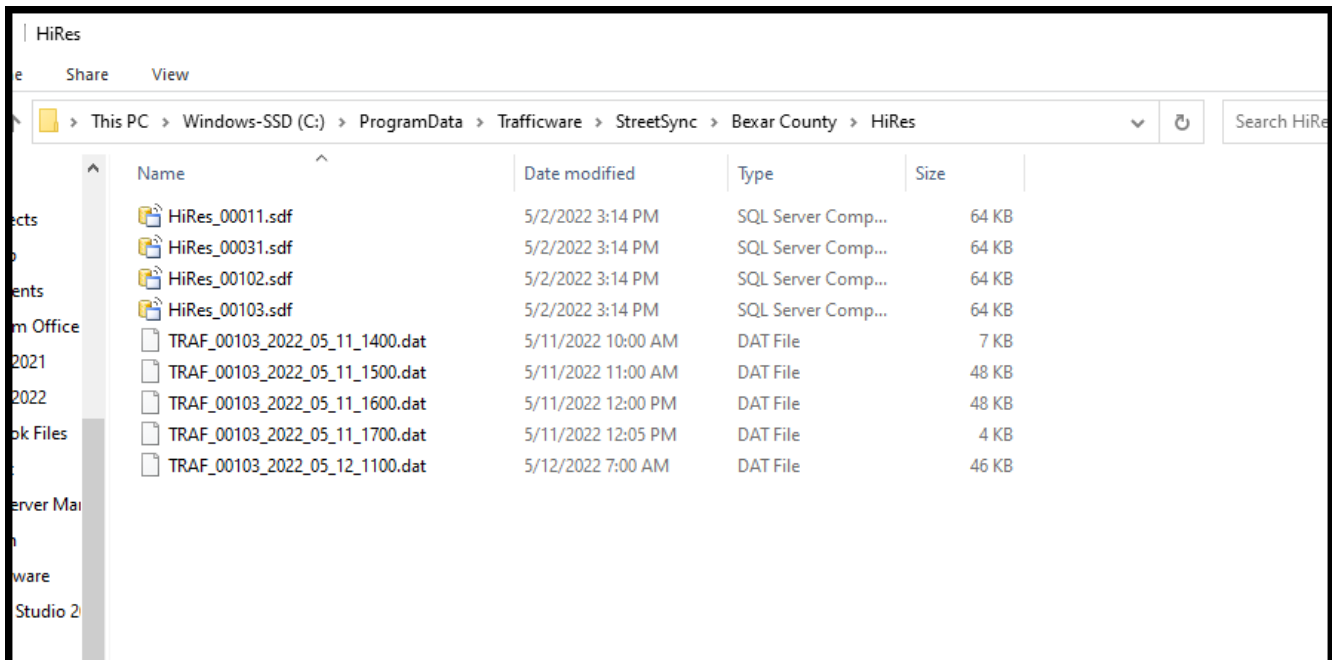
ID : 103
Name : Commander V85.3 ID 103
Type : Scout Ethernet v85.3
IP : 192.168.4.103
Port : 5103
Total Files :
Downloaded Files:
Completed(%) : 0%

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".

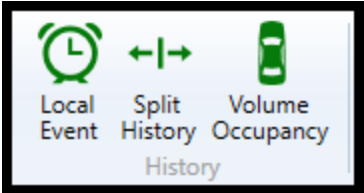


High resolution data is found on the hard drive under the Program Data directory's Trafficware folder as shown below.



History Section

The History section will allow the user to view already retrieved logs including local events, split history and volume and occupancy data.



Local Event

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

Alarm					
Pattern Preempt Transit					
Time	#	Description	Status	Data	
5/12/2022 12:12:59 PM	73	Controller Access	1	2	
5/12/2022 12:13:39 PM	47	Coord Active	0	0	
5/12/2022 12:13:39 PM	48	Preempt Active	1	1	
5/12/2022 12:13:39 PM	49	HP Preempt 1	1	0	
5/12/2022 12:13:42 PM	73	Controller Access	0	2	
5/12/2022 12:13:48 PM	73	Controller Access	1	2	
5/12/2022 12:14:10 PM	73	Controller Access	0	2	
5/12/2022 12:14:12 PM	47	Coord Active	1	15	
5/12/2022 12:14:12 PM	61	Coord in Transition	1	2	
5/12/2022 12:14:17 PM	48	Preempt Active	0	0	
5/12/2022 12:14:17 PM	49	HP Preempt 1	0	0	

Clear

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

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	5/11/2022 10:13:22 AM	72	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
2	5/11/2022 10:15:02 AM	73	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
3	5/11/2022 10:16:42 AM	74	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
4	5/11/2022 10:18:22 AM	75	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
5	5/11/2022 10:20:02 AM	76	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
6	5/11/2022 10:21:42 AM	77	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
7	5/11/2022 10:23:22 AM	78	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
8	5/11/2022 10:25:02 AM	79	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
9	5/11/2022 10:26:42 AM	80	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
10	5/11/2022 10:28:22 AM	81	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
11	5/11/2022 10:30:02 AM	82	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
12	5/11/2022 10:31:42 AM	83	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
13	5/11/2022 10:33:22 AM	84	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
14	5/11/2022 10:35:02 AM	85	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
15	5/11/2022 10:36:42 AM	86	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
16	5/11/2022 10:38:22 AM	87	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
17	5/11/2022 10:40:02 AM	88	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
18	5/11/2022 10:41:42 AM	89	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
19	5/11/2022 10:43:22 AM	90	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
20	5/11/2022 10:45:02 AM	91	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
21	5/11/2022 10:46:42 AM	92	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
22	5/11/2022 10:48:22 AM	93	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
23	5/11/2022 10:50:02 AM	94	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
24	5/11/2022 10:51:42 AM	95	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
25	5/11/2022 10:53:22 AM	96	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
26	5/11/2022 10:55:02 AM	97	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
27	5/11/2022 10:56:42 AM	98	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
28	5/11/2022 10:58:23 AM	99	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
29	5/11/2022 11:00:03 AM	100	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
30	5/11/2022 11:01:43 AM	101	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
31	5/11/2022 11:03:23 AM	102	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
32	5/11/2022 11:05:03 AM	103	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
33	5/11/2022 11:06:43 AM	104	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
34	5/11/2022 11:08:23 AM	105	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
35	5/11/2022 11:10:03 AM	106	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
36	5/11/2022 11:11:43 AM	107	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
37	5/11/2022 11:13:23 AM	108	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
38	5/11/2022 11:15:03 AM	109	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
39	5/11/2022 11:16:43 AM	110	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
40	5/11/2022 11:18:23 AM	111	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
41	5/11/2022 11:20:03 AM	112	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	
42	5/11/2022 11:21:43 AM	113	1	100	0	20/U	30/U	20/U	30/U	20/U	30/U	20/U	30/U	

Legends

U: Unknown

G: Gap out

M: Max out

F: Force Off

Clear

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

Volume /Occupancy

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

	Time	Interval	V1	V2	V3	V4	V5	V6	V7	V8	O1	O2	O3	O4	O5	O6	O7	O8	
1	4/12/2022 9:45:28 AM	877	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	4/12/2022 10:00:27 AM	875	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	4/12/2022 10:15:27 AM	876	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	4/12/2022 10:30:28 AM	876	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	4/12/2022 10:45:27 AM	875	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	4/12/2022 11:00:28 AM	876	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	4/12/2022 11:15:21 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	4/12/2022 11:30:28 AM	882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	4/12/2022 11:45:27 AM	875	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	4/12/2022 12:00:28 PM	876	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	4/12/2022 12:15:28 PM	876	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	4/12/2022 12:30:27 PM	875	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	4/12/2022 12:40:28 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	4/12/2022 12:45:03 PM	275	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	4/12/2022 1:00:03 PM	900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	4/12/2022 1:15:03 PM	900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	4/12/2022 1:30:03 PM	900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	4/12/2022 1:45:02 PM	900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	4/12/2022 2:00:03 PM	901	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	4/12/2022 2:14:23 PM	900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	4/12/2022 2:15:02 PM	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	4/12/2022 2:29:53 PM	901	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	4/12/2022 2:30:03 PM	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	4/12/2022 2:44:54 PM	900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	4/12/2022 2:45:02 PM	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	4/12/2022 3:14:34 PM	899	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	4/12/2022 3:15:03 PM	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	4/12/2022 3:30:15 PM	900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	4/12/2022 3:45:15 PM	888	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	4/12/2022 4:00:14 PM	888	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	4/12/2022 4:15:15 PM	889	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
32	4/12/2022 4:30:14 PM	888	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	4/12/2022 4:45:15 PM	889	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	4/12/2022 5:00:14 PM	888	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
35	4/12/2022 5:15:15 PM	889	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
36	4/12/2022 5:30:15 PM	888	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
37	4/12/2022 5:45:14 PM	888	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
38	4/12/2022 6:00:18 PM	889	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
39	4/12/2022 6:15:15 PM	885	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
40	4/13/2022 9:24:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
41	4/13/2022 9:29:56 AM	353	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
42	4/13/2022 9:30:03 AM	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Legends
P: Pedestrian
V: Volume
O: Occupancy

Clear

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

Move

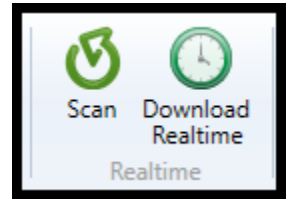
Move is found in the ATMS section of the controller menu. It is used to transfer the StreetSync retrieved databases into the specific ATMS SQL database. The following selection screen is used for this transfer.

A screenshot of the 'Move History Data To Server' dialog box. The dialog has a title bar with a green 'T' icon and the text 'Move History Data To Server'. Inside, there's a section titled 'Select Data Type' with two columns of data type selections. The first column has 'Alarm' (11/0/11), 'Pattern' (1/0/1), 'Preempt' (2/0/2), and 'Transit' (0/0/0). The second column has 'Split' (175/0/175), 'Volume/Occupancy' (286/0/286), and 'Hi-Res Data' (5/0/5). Each item has a checked checkbox. Below these is a progress bar showing '0%'. At the bottom right are 'Move' and 'Close' buttons. A red arrow points to the 'Move' button. There are also checkboxes for 'ATMS' and 'Local' at the bottom right of the selection area. The 'ATMS' checkbox is selected.

The user can select which database to transfer to ATMS and then hit **Move** to add this data to the ATMS database.

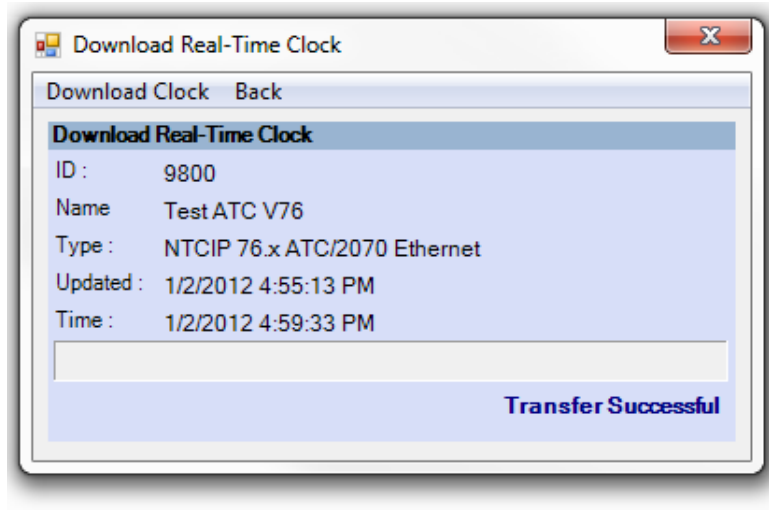
Realtime Section

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



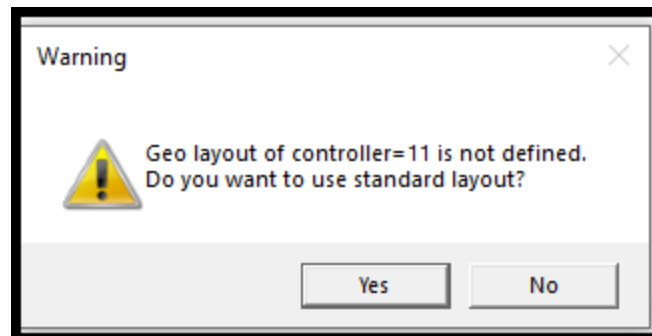
Download Real-Time

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**.

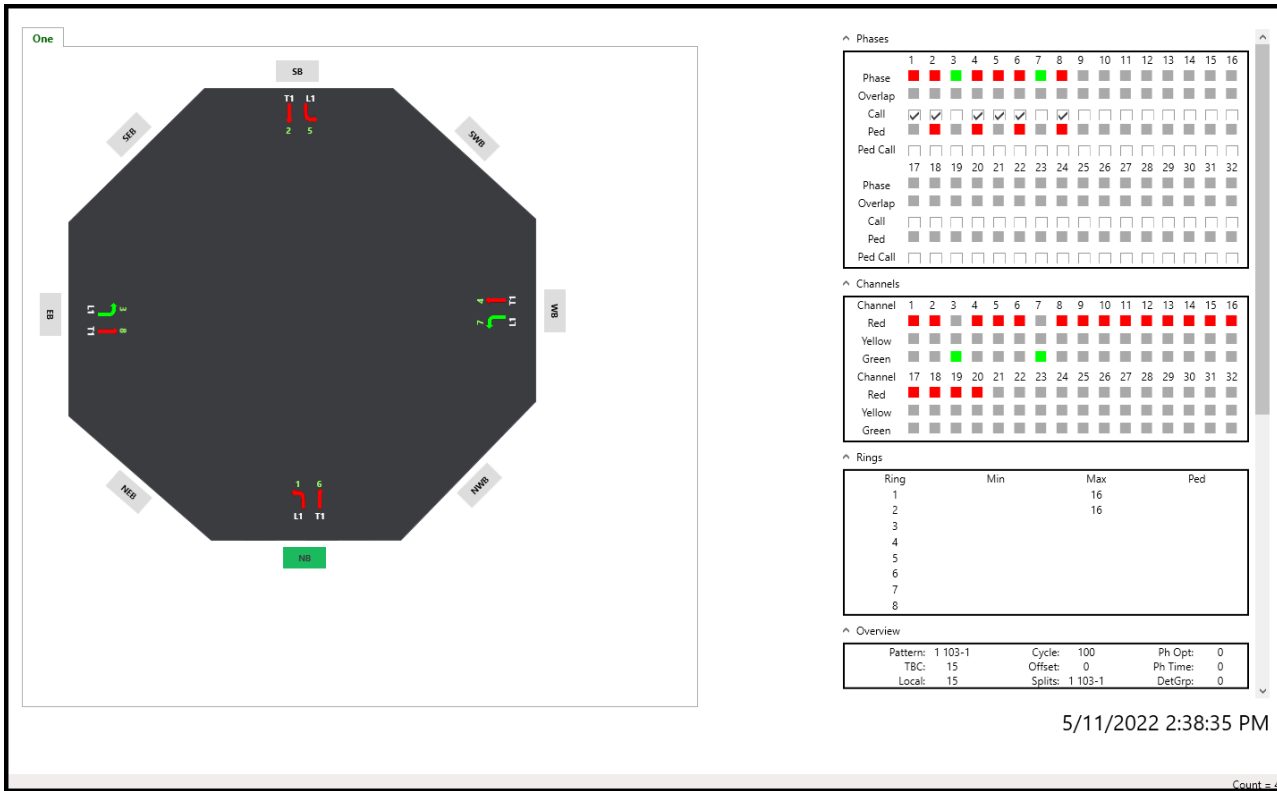


Scan

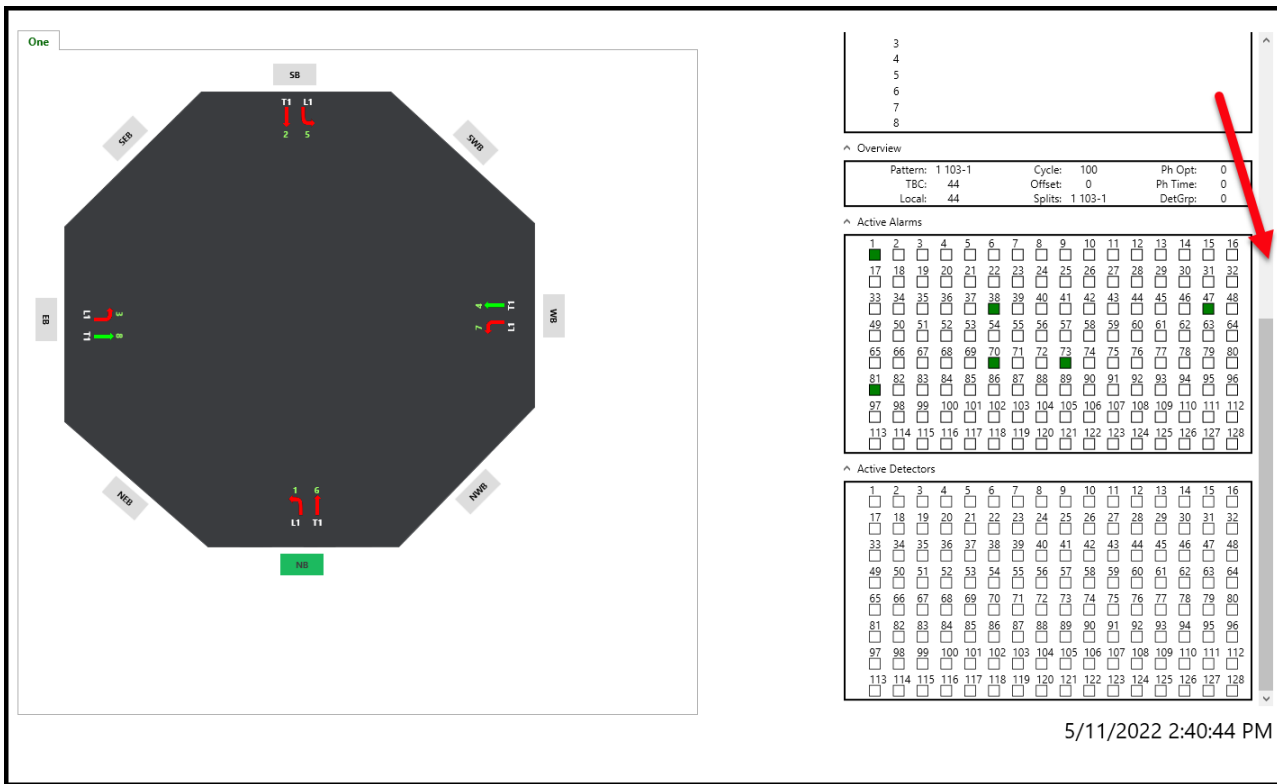
After selecting the intersection and connecting it to StreetSync the user can run a scan screen. The scan screen layout is dependent upon setting the **Intersection Layout** configuration screen in ATMS. If this is programmed in ATMS for the intersection that you are connected to the scan screen will 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 OK a scan background will occur like the default on below.

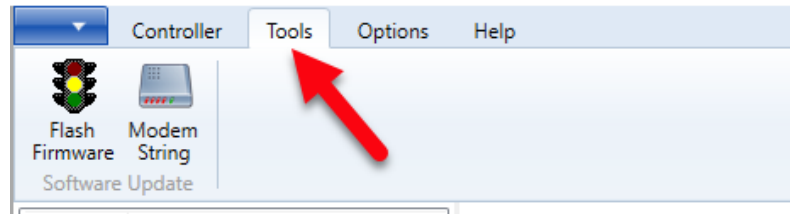


The scan screen will display Phase Red/Yellow/Green status, timing, Channel Outputs and coordination data so that the user can check the intersection from his PC while verifying field data. In addition, the user can view live alarm data as well as detection data by sliding down the bar on the right side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



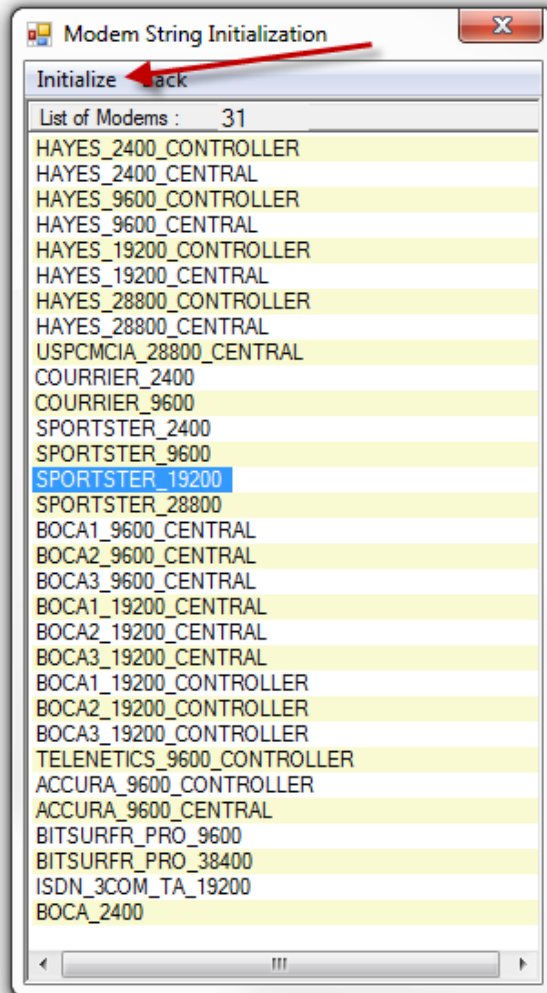
Tools Menu

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

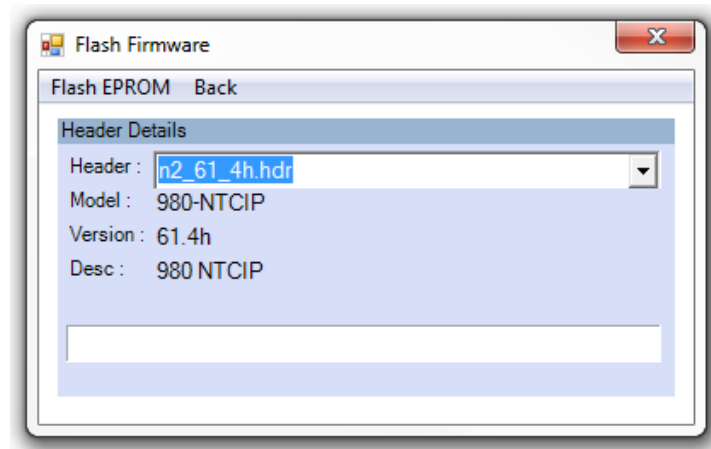
The user can connect the laptop to a modem to initialize it with setup data if needed. Select the **Modem String** Action and chose the modem type that you plan to initialize.



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

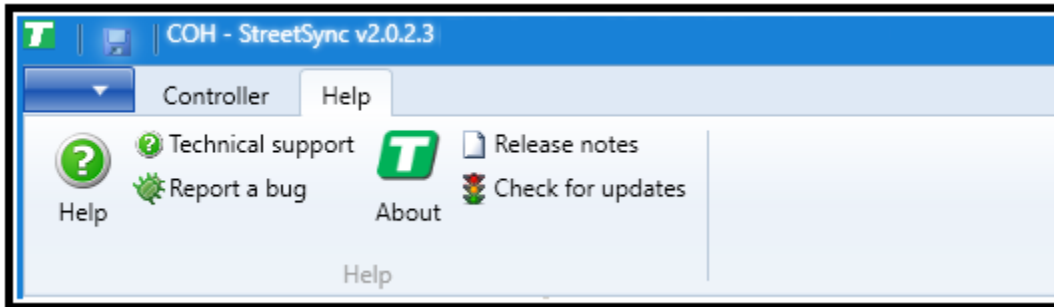
Flash Firmware

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



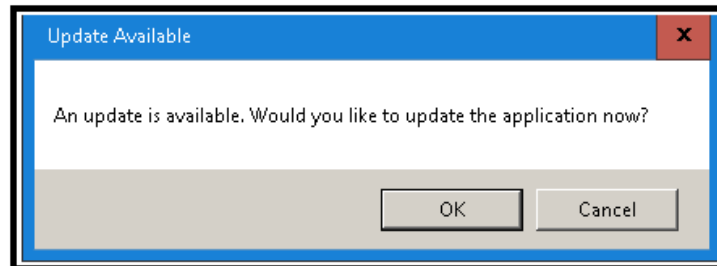
Click on the pull down menu to select the firmware header file. A list will appear, with the available Proms to download. Select the desired EPROM. Finally, Select **FlashEPROM** from the menu to begin the download. The header files must be located on the ATMS server under the directory: **...Naztec/Nazserv/Downprom.**

Help Menu

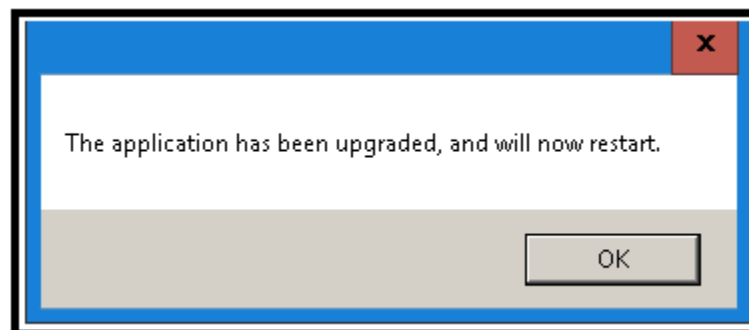


Among the features of the StreetSync **Help** section is access to this manual, release notes and an automatic update check feature.

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:



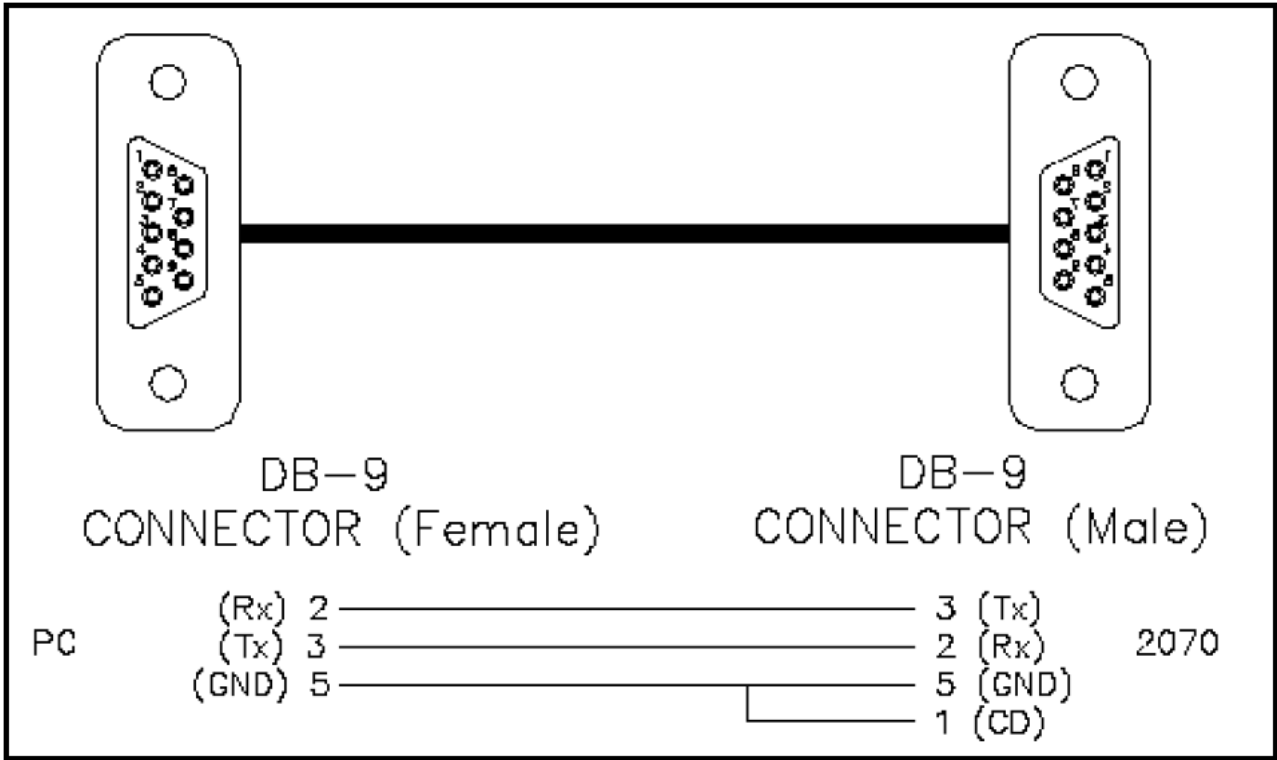
During the update process, StreetSync will not display any confirmation screen. Please wait until you see the following confirmation screen be displayed that insures that StreetSync was updated:



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.