CUBIC.

Operations Manual for StreetSync, a Module or ATMS

Ver 4.x



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Table Of Contents

Table Of Contents	3
Introduction	5
Purpose	5
Product Scope	
Overall Description	5
Product Perspective	5
Product Functions	
Operating Environment	
Traffic Controller Support	
StreetSync Versions	
StreetSync Enterprise	
Database structure <i>Permanent File</i>	
Permanent File Upload File	
1	
Installing StreetSync	
Starting StreetSync	
Quick Action Tool Bar	
Selection Drop-Down Menu	
New City/Jurisdiction	
Viewing all City/Jurisdictions	
Switch to another City/Jurisdiction	
File Properties	
Open File Location	
Options Menu	
Configuration	
ATMS	
Ethernet (Available for Controllers using Patriot [V76.x] or Scout [V85.x] software ONLY)	
Controller Menu	
Sync	
Considerations: Synchronizing Software	
Initial Screen	30
Controller Section	32
Add	32
Delete	33
Delete All	33
<i>A</i> - <i>Z</i> Sort ↓	
Database Section	35
View	35
Edit	37
Save	37
Compare	40
Diagnostics	43
Action Section	
Upload / Download	45

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

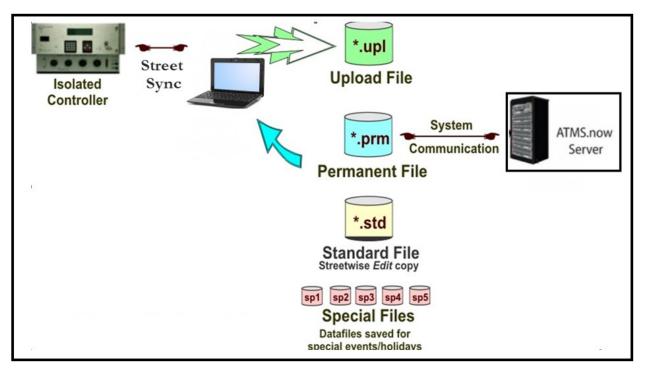
The Permanent File is transferred to StreetSync during the synchronization procedure. This insures that StreetSync carries the last successful download to the field.

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. (<u>After installation, internet access is not necessary</u>). 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:

- <u>Release Notes</u>
- <u>User Guides</u>

Prerequisites:

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

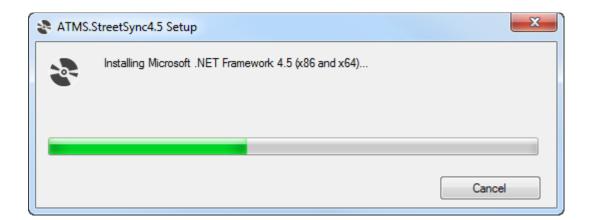
Installation steps:

- Install .Net Framework 4.8
- Install SQL Server Compact 4.0 SP1
- <u>Install StreetSync</u>
- · 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.
 o 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

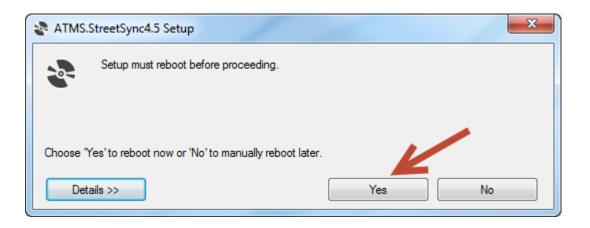
1. The CD or link provided by Cubic | Trafficware should automatically start the install of StreetSync. If not browse the CD and run the file labeled **setup.exe** to begin the installation.

And Station	- /									×
🔵 🗢 📙 🕨 Compu	ter > OS (C:) > NaztecWork	 StreetSync + release 	.8 ► StreetSync4.5	5 >		• * j	Search StreetSyn	c4.5		
ganize 👻 📑 Ope	n Burn New folder							855 💌		0
퉬 2070Testbo 4	Name	Di	ate modified	Туре	Size					
2070Testbo	Application Files	11	/14/2013 11:07	File folder						
2070Utilitie	ATMS.StreetSync4.5.ap		L/13/2013 5:09 PM	ClickOnce Applica	6 KB					
2070Utilitie	autorun.inf		/13/2013 5:09 PM	Setup Information	1 KB					
2070Utilitie	📄 index.html 🥒		/13/2013 5:09 PM	HTML Document	8 KB					
la 2070Utilitie	💸 setup.exe	11	/13/2013 5:09 PM	Application	780 KB					
ATCUtilitie:	StreetSync.application	6/	20/2013 10:27 AM	ClickOnce Applica	6 KB					
ATCUtilitie:	StreetSync4.5.applicati	ion 8/	22/2013 2:43 PM	ClickOnce Applica	6 KB					
ATCUtilitie:										
🔒 ATMS Lapt										
🐌 ATSI Testbo	1									
BIU Testing										
CamVid										
CDBF										
b ChronoMa										
bownProm										
Dropbox										
EDICcom										
FMS_Adapt										
퉬 Las Vegas										
MMU_Utilii										
MMU_Utilit										
Naztec_Res										
NaztecDoc –										
New folder										
🌗 РРТ										
PPT2012										
PPT2013										
Spreadshee										
Spreadshee										
Spreadshee										
Spreadshee										
Spreadshee										
StreetSync										
l-dotnetf										
퉬 2-SQL Sei										
3-StreetSy										
lease.8										
🔒 release.8.										
StreetWise *										
C:\NaztecWork\St.	- 🐼 🔿 📢	ATMS.StreetSync					- 🖻 🔁 🌒 🎙	11:12 A	M	

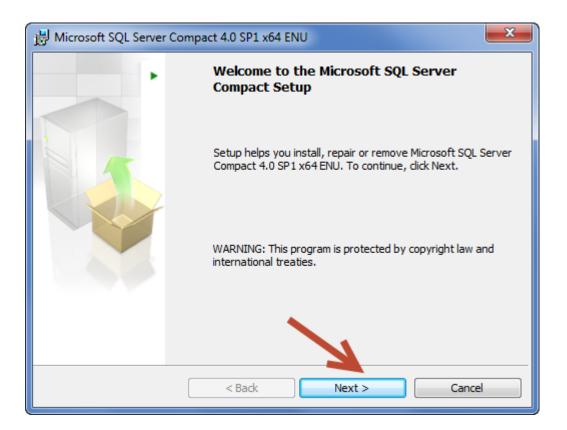
2. The setup will begin and you should see a screen similar to the one below while StreetSync is installing.



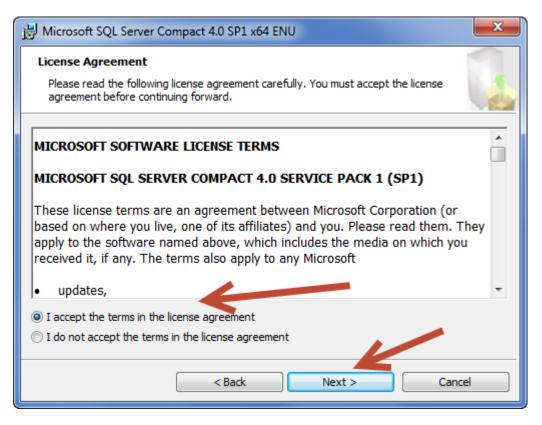
3. When the initial installation is completed, the following screen will request a hardware reboot. Please answer **Yes** to reboot your PC, laptop, or tablet.



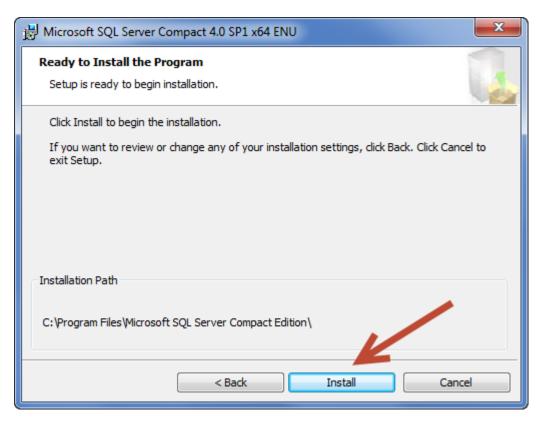
4. Upon restart the following screen may be displayed depending on what has been previously installed on your PC/Laptop/Tablet computer. If this screen is displayed, then the setup will now install Microsoft SQL Compact Database software otherwise it has previously been installed. If this screen is not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

😸 Microsof	t SQL Server Compact 4.0 SP1 x64 ENU
Installing	Microsoft SQL Server Compact
The prog	gram features you selected are being installed.
P	Please wait while the Setup installs Microsoft SQL Server Compact. This may take several minutes.
	Status:
	Copying new files
	< Back Next > Cancel

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

B Microsoft SQL Server Co	ompact 4.0 SP1 x64 ENU
	Completing the Microsoft SQL Server Compact 4.0 SP1 x64 ENU Setup
	Setup has installed Microsoft SQL Server Compact successfully. Click Finish to exit.
	Finish

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.

Application Install - Security Warning	×
Publisher cannot be verified. Are you sure you want to install this application?	₽
Name: StreetSync From (Hover over the string below to see the full domain): online.trafficware.com Publisher:	
Unknown Publisher	
Install Don'	t Install
While applications from the Internet can be useful, they can potentially harm your comp you do not trust the source, do not install this software. <u>More Information</u>	uter. If

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

(2%) Insta	Iling StreetSync	_	□ ×
This	g StreetSync may take several minutes. You can use you g the installation.	ur computer to do other tasks	(
7	Name: <u>StreetSync</u>		
	From: online.trafficware.com		
	Downloading: 5.97 MB of 245 MB		
			Cancel

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:

🗾 🛛 📄 🗍 City Nane.twss - StreetSync v4.0	11.0 (AzureAD\AlBonificio@NETS4622AB) professional	– 🗆 ×
Controller Tools Option	s Help	0
	are @ Print ostics ≥ Export base	
ID Name		
	TYPE DATE MODIFIED	
		Count = 0

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.

Controller Tools Options Help					0
A Controller Controller Better Controller Bette	nt Scan Download Local	Split Volume HiRes	Upload Download Retrieve R Database Database Coal Event Action	History Vol/Occ HiRes	Move Bulk Bulk Delete Export DataSets
Controller Tools Options He	In				
8	*				
Flash Modem Firmware String					
Software Update					
Controller Tools Options Help					
Ç ∎ License					
Configuration					
Option					
Controller Tools Options Help					
Orechnical support Help Pechnical support Help Check for upd About	ates				
Help About					

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.*

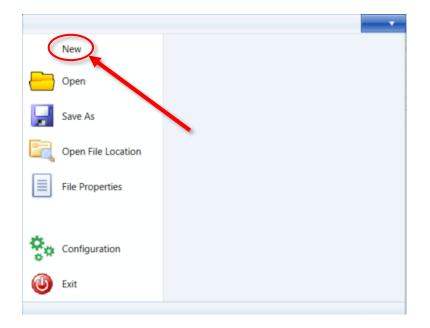
Buy Software License
Purchase Details
Information send to Trafficware Inc.
B8AC6FC97949
Enter License Key received from Trafficware Inc.
You are authorized to use this software on this machine.
Save

Once licensed, the following screen will appear:

🗾 🛛 🚽 🗍 City Nane.twss - StreetSync	v4.0.11.0 (AzureAD\AlBonificio@NETS4622A) professional			– 🗆 X
Controller Tools C	Options Help				0
Sort Save	Edit IIView Compare Print Diagnostics SExport Realtime Realtime	Local Split Volume Event History Occupancy Data Database	Download Retrieve Retrieve Split Local Event History Action	eve Sync Move Bulk Bulk	
ID Name		CU	BIC. Trafficware .		
	ID NAME TYPE DATE MODIFIED IP]		
					Count = 0

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.

🚺 New Documen	t		×
Agency Name:			
		ОК	Cancel
77 New Document			×
Mew Document	Bexar County		×

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.

🗾 📄 Bexar County.twss - StreetSync v4.0.11.0 (AzureAD)	NBonificio@NETS4622AB) professional	– 🗆 X
Controller Tools Options Help		0
Add ○ Delete Sort ○ Delete All Controller ○ Database	Realtime Event History Occupancy Data Database Database Local Event History Vol/Occ HiRes	Move Move ATMS Move Bulk Bulk Delete Export DataSets
ID Name		
	CUBIC. Trafficware.	
	ID	
	NAME	
	TYPE	
	DATE MODIFIED	
	IP	
		Count = 0

Viewing all City/Jurisdictions

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

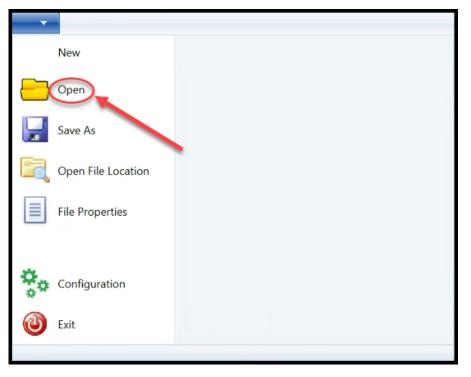
*	
New	
Open	
Save As	
Open File Location	
File Properties	
Configuration	
🕲 Exit	

The following browser screen will be displayed.

🚺 Open	Traff	licwar	ne		x
Comp	uter OS (C:) ProgramData Trafficware	StreetSync	✓ Search :	StreetSync	٩
Organize 🔻 New fo	older				
🔆 Favorites	Name	Date modified	Туре	Size	
🥅 Desktop	Bexar County.twss	11/14/2013 12:31	StreetSync Docum	468 KB	
🐌 Downloads	Sugar Land.twss	11/14/2013 12:31	StreetSync Docum	468 KB	
💝 Dropbox					
	=				
land SkyDrive					
Desktop					
Documents					
Music					
NaztecWork					
Pictures					
Videos					
强 Al Bonificio					
🖳 Computer	•				
File	e name:		- StreetSyr	nc documents (.tw	/ss) (' 🔻
			Open	Car	ncel

Switch to another City/Jurisdiction

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



The following browser screen will be displayed.

Dpen Open	Tri Tri	rfficwar	10		X
Com	nputer 🕨 OS (C:) 🕨 ProgramData 🕨 Trafficv	vare 🕨 StreetSync	✓ ⁴ → Search S	StreetSync	م
Organize 🔻 New	folder				
쑦 Favorites	▲ Name	Date modified	Туре	Size	
🧮 Desktop	Bexar County.twss	11/14/2013 12:31	StreetSync Docum	468 KB	
🗼 Downloads	Sugar Land.twss	11/14/2013 12:31	StreetSync Docum	468 KB	
💝 Dropbox					
📃 Recent Places	=				
le SkyDrive					
💻 Desktop					
🥽 Libraries					
Documents					
👌 Music					
NaztecWork					
Pictures					
📑 Videos					
😹 Al Bonificio					
🖳 Computer	v				
F	ile name:		✓ StreetSyn	c documents (.t	wss) (' 🔻
			Open	▼ C	ancel

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.

Dpen Open			Traff	ficwar	ne -			x
Corr	nputer	 OS (C:) ProgramDat 	ta 🕨 Trafficware 🕨	StreetSync	- + Search :	StreetSync		٩
Organize 🔻 New	folder							0
🔆 Favorites	<u> </u>	Name		Date modified	Туре	Size		
🧮 Desktop		Bexar County.twss		11/14/2013 12:31	StreetSync Docum	468 KB		
🐌 Downloads		Sugar Land.twss		11/14/2013 12:31	StreetSync Docum	468 KB		
💠 Dropbox								
📃 Recent Places	=							
land SkyDrive								
Desktop								
🕞 Libraries								
Documents								
J Music								
Pictures Videos								
Al Bonificio								
Computer	-							
· · · ·	Ŧ		K					_
F	File nam	e: Bexar County.twss			✓ StreetSyn	nc documents (twss) (` -
					Open		Cancel	

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

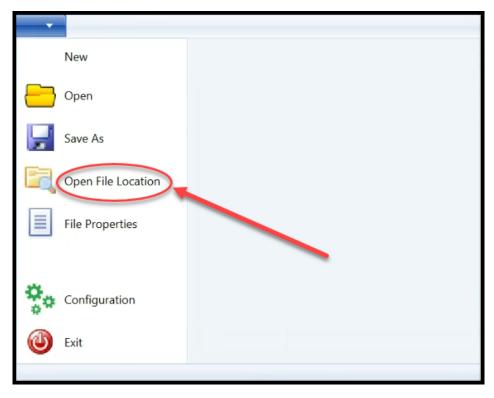
File Properties

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.

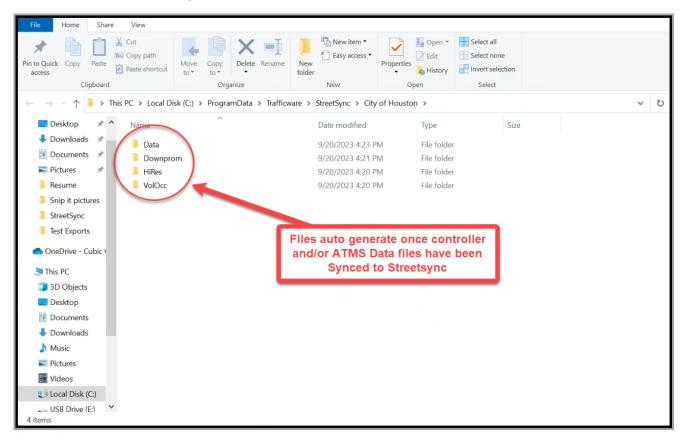
New Open	Bexar County.twss Properties	x
Save As	StreetSync Version: v3.0,47.3	
Open File Location	Agency Name: Bexar County The Document Version: v3.0.30.0	
File Properties	Required Document Version: v3.0.30.0	
Configuration	Upgrade Document Close	

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).

	Configuratio	on					x
ì	ATMS R	S-232 Ethernet	Other				
Ε	Host: Port:	192.168 80	.100.81	A آ	TMS Server IF	⁹ Addiess	
					Save	Close	

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.

(Configuration			x
	ATMS RS-232 E	thernet Other		
	Baud Rate : COM Port: Flash Baud: Message Size: Comm Channel	9600 ↓ COM3 ↓ 57600 ↓ 1024 ↓ F5232 ↓	Down prom message data length	
		RS232 Bluetooth	Save Close	

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.

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 is 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 that RS232.

Configuratio	on			×
ATMS R	5-232 Ethern	et Other		
- SNMP M	lanager			
Host:	172.22.152.2	54 🗸	local host IP address	
Port:	10004	any port not used by other applications		
Timeout:	8000	ms, databas	e upload/download timeout.	
Interval:	1000	ms, scan bu	iffer polling interval	
Disable SNMP <i>if checked, communication with controller through RS232</i>				
Save Close				

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.

Configuration	×
ATMS RS-232 Ethernet Other	
Upload Confirmation <i>if checked, database uploading must be confirmed</i> Download Confirmation <i>if checked, database downloading must be confirmed</i>	
Enable all controller types if checked, all controller types can be supported.	
Save Close	

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.

Confirmation	×	Confirmation X
Do you want to save the uploaded database of "2990 : Long Point @ Silber"?		Are you sure to download database of "2990 : Long Point @ Silber"?
UPLOAD Yes No		DOWNLOAD Yes No

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.



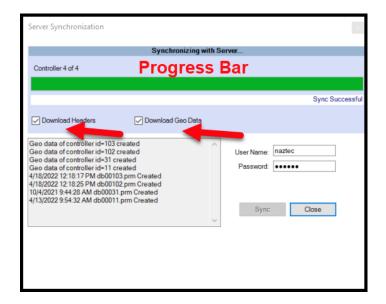
When the user clicks the **Sync** action in the ATMS section, the system will display the Sync action item as shown below.

Server Synchronization		x
	Synchronize w	ith Server
Download Headers	Download Geo Data	
		User Name: Password:
		Sync Close

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.

Server Synchronization		×
	Synchronize with Server	
Download Headers	Download Geo Data	
	User Name: nazlec Password:	
	Sync Close	

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.



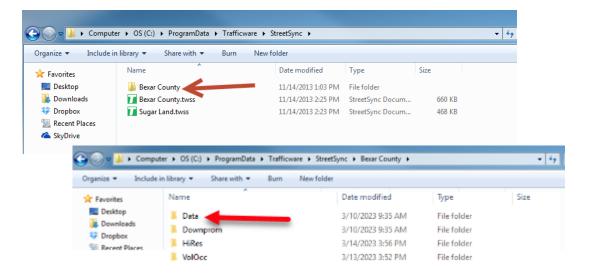
Please note that the user can select Download Headers if it is desired to download firmware to TS2 controllers or MMU's. StreetSync will search for the server directory **...Naztec/Nazserv/Downprom** for the TS2 firmware data and header files and place it in the **Downprom** folder of the StreetSync 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. If the timestamp of the Permanent file 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.



Organize 👻 Include in		New folder		
	×			
🔆 Favorites	Name	Date modified	Туре	Size
Nesktop	db00003.prm	11/14/2013 1:03 PM	PRM File	19 KB
\rm Downloads	db00004.prm	11/14/2013 1:03 PM	PRM File	19 KB
💝 Dropbox	📄 db00005.prm	11/14/2013 1:03 PM	PRM File	19 KB
📃 Recent Places	db00006.prm	11/14/2013 1:03 PM	PRM File	19 KB
💪 SkyDrive	db00007.prm	11/14/2013 1:03 PM	PRM File	19 KB
	db00008.prm	11/14/2013 1:03 PM	PRM File	19 KB
🧮 Desktop	db00148.prm	11/14/2013 1:03 PM	PRM File	20 KB
🧊 Libraries	db00149.prm	11/14/2013 1:03 PM	PRM File	19 KB
Documents	db00150.prm	11/14/2013 1:03 PM	PRM File	19 KB
🌙 Music	db00151.prm	11/14/2013 1:03 PM	PRM File	19 KB
NaztecWork	db00152.prm	11/14/2013 1:03 PM	PRM File	19 KB
Pictures	db00153.prm	11/14/2013 1:03 PM	PRM File	19 KB
😸 Videos	db00154.prm	11/14/2013 1:03 PM	PRM File	19 KB
强 Al Bonificio	db00155.prm	11/14/2013 1:03 PM	PRM File	19 KB
👰 Computer	db00156.prm	11/14/2013 1:03 PM	PRM File	19 KB
📬 Network	db00157.prm	11/14/2013 1:03 PM	PRM File	19 KB
💷 Control Panel	db00158.prm	11/14/2013 1:03 PM	PRM File	19 KB
🗑 Recycle Bin	db00159.prm	11/14/2013 1:03 PM	PRM File	19 KB
9808-City_of_Galves	db00160.prm	11/14/2013 1:03 PM	PRM File	19 KB
퉬 CamStudio 2.6	db00161.prm	11/14/2013 1:03 PM	PRM File	19 KB

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.

_										
7 🗆 🖂	Bexar County.twss - StreetSy	ync v4.0.11.0 (AzureAD\/	AlBonificio@NETS4622A	.B) professional					- 0	×
-	Controller Tools Op	ptions Help								0
	Cave Save 🍓 D	dit III View Compare G Print Diagnostics Export Database	Scan Download Realtime	Coal Local Event History Occupancy History History	 rieve Retrieve Split Ret	trieve VOcc HiRes	Sync Move	Bulk Delete Export DataSets		
	Name V76x Virtual Controller ID V853 VController ID 31 Edgewood V65x 2070 Enet Edgewood V65x 2070 Enet Edgewood V65x 2070 Enet Edgewood V65x 2070 Enet Palo Alto Demo ID 101 V V76 2070 ID 102 Commander V853 ID 103 V853 Scout Enet controller CHOFT Lab V8.199 (E) New Haven MLK © Church Edgewood V76x ATC Enet Edgewood V76x ATC Enet Edgewod V76x ATC	r ID * * V85 ID 4 ID 4 ID 4 ID 4 ID 4 ID 4 ID 4 ID 4 ID 4 ID 5 * ID 4 * ID 4 * ID 4 * ID 4 * ID 4 * ID 4 * ID 5 * ID	ID NAME TYPE DATE MODIFIED IP	90 Edgewood V65.x 2070 Enet ID 90 Scout Ethernet v85.3/v85.4 22727023 12.04.44 PM 192.168.2.90.5090 Overview Pane	fficware.					
Controlle	er ID=90 Name=Edgewood V65	5.x 2070 Enet ID 90							C	Count = 35

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

Add South South	Controller 1	Tools Options Help				0
	ZV Sort	Compare 📑 Print	Local Split Volume HiRes	Upload Download Retrieve Retrieve Split Ret	Image: State Stress Image: State Stres Image: State Stress Image: State Stre	

	Bexar County.twss - StreetSync v4.0.11	.0 (AzureAD\AlBonificio@NET54622AB) professional – 🗆 🗙
-	Controller Tools Options	Help 😡
A	Add 🛛 🚺 🔝 Edit	
Z≁	Delete Compare	
Sort	Save Save Mignostics	Scan Download Local Split Volume Hirkes Upload Download Retrieve Retrieve Split Retrieve Retrieve Retrieve Split Retrieve Retrieve Retrieve Retrieve Split Retrieve Retrieve Retrieve Split Retrieve Retriev
	ntroller Database	Realine History Action ATMS DataSet
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 Ethemet v85:3/v85.4
90	Edgewood V65.x 2070 Enet ID 90	S/1/2/22 95323 AM Scott themet vo3.3/v854 CUBIC. Trafficware.
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 Ethemet 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 ID 103
102	V76 2070 ID 102	3/10/2023 9:35:23 AM NTCIP 76.x 2070 Ethernet NAME Commander V85.3 ID 103
103	Commander V85.3 ID 103	3/10/2022 0.25-22 AM Commit V85.3/V85.4
104	V85.3 Scout Enet controller ID 104	3/ Upload ernet v85.3/v85.4 TYPE Scout Ethernet v85.3/v85.4
105	CTDOT Lab V8.169 (E)	3/ Download emet DATE MODIFIED 2/7/2023 10:13:29 AM
304	New Haven MLK @ Church V85.1	3/ Edit ernet
448	Edgewood V76.x ATC Enet ID 448	3/ III View x ATC Ethernet IP 192.168.4.103:5103
449	Edgewood V76.x ATC Enet ID 449	3/ Compare x ATC Ethernet
450	Edgewood V76.x ATC Enet ID 450	📝 🦥 Diagnostics 🛛 🗴 ATC Ethernet
451	Edgewood V76.x ATC Enet JD 451	3/ 🕑 Scan 🛛 XATC Ethernet
452	Edgewood V76x Arc Enet ID 452	3/ Retrieve k ATC Ethernet
453	Edgewood V76.x ATC Enet ID 453	3/ View Hitter
1448	Edgewood V61.x TS2 E-net ID 448	3/ Kinswith 474/5 k TS2 Ethernet
1449	Edgewood V61.x TS2 E-net ID 449	3/ x IS2 Ethernet
1450	Edgewood V61.x TS2 E-net ID 450	3/ Move xTS2 Ethernet
1451	Edgewood V61.x TS2 E-net ID 451	3/ Delete Data x TS2 Ethernet
1452	Edgewood V61.x TS2 E-net ID 452	3/ Export Data k TS2 Ethernet
1453	Edgewood V61.x TS2 E-net ID 453	3/10/2023 9:35:23 AM NTCIP 61:x TS2 Ethernet
3060	NYSDOT-R7-SG ID 3060	3/10/2023 9:35:23 AM NTCIP 76 x 2070 Ethernet

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.

Ac	dd Nev	/ Controller				×
C		Details	_			
	ID: Name:					
	Type:	Scout Ethernet v85	.3		~	-
	IP:]		
	Port:					
				Ok	Cancel	

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:

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

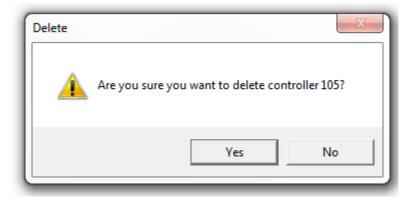
Port: is the windows port number used when communicating with StreetSync.

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 #.



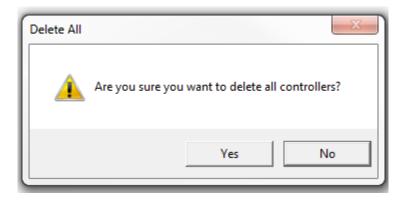
Delete

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.



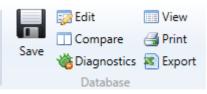
A-Z Sort ↓

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.

1	Bexar County.twss - StreetSync v4.0.1	11.0 (AzureAD\AlBonificio@NETS4622	2AB) professional – 🗆	×
	Controller Tools Options	Help		0
	Add Sort Delete Sort Delete All Delete All Databasi	ics Export Scan Download Realtime	Coll Split Volume HiRes Upload Download Retrieve Retrieve Retrieve Retrieve Retrieve Split Bulk Bul	
	Name ^			
2↓Sort By Name 2↓Sort By Date Modified	V76.x Virtual Controller ID 11		CUBIC. Trafficware.	
90	0 Edgewood V65.x 2070 Enet ID			
91	5			
92	-			
93	Edgewood V65.x 2070 Enet ID Palo Alto Demo ID 101 V76		11	
	102 V76 2070 ID 102	ID		
	103 Commander V85.3 ID 103	NAME	V76.x Virtual Controller ID 11	
10	104 V85.3 Scout Enet controller ID 1	TYPE	v76 Ethernet Virtual Controller	
10	105 CTDOT Lab V8.169 (E)	DATE MODIFIED	4/13/2022 9:54:32 AM	
	304 New Haven MLK @ Church V85	IP	127.0.0.1:5011	
	448 Edgewood V76.x ATC Enet ID 44	PI IP	127.00.13011	
	449 Edgewood V76.x ATC Enet ID 44			
	450 Edgewood V76.x ATC Enet ID 4			
	451 Edgewood V76.x ATC Enet ID 4 452 Edgewood V76.x ATC Enet ID 4			
	452 Edgewood V76.x ATC Enet ID 4: 453 Edgewood V76.x ATC Enet ID 4:			
	1448 Edgewood V61.x TS2 E-net ID 4			
	1449 Edgewood V61.x TS2 E-net ID 4			
14	1450 Edgewood V61.x TS2 E-net ID 4			
14	1451 Edgewood V61.x TS2 E-net ID 4			
14	1452 Edgewood V61.x TS2 E-net ID			
14	1453 Edgewood V61.x TS2 E-net ID 4			
Con	ntroller ID=11 Name=V76.x Virtual Controller	ID 11		Count = 35

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.

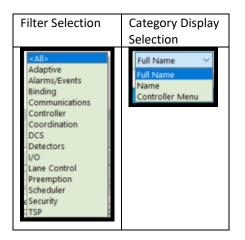


NOTE: The Database Section is enabled using a machine specific license key. **Contact your Cubic | Trafficware** representative on information on acquiring this capability.

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).

7 🛃	Bexar County.twss - StreetSync v4.0.	11.0 (AzureAD\AlBoni	ificio@NE	ETS4622	AB) prof	fessional											-		×
AI	Controller Tools Options	Help	2 /		6	.					6.5								0
Z↓	Delete	🔄 🗿 Print 📐 🔍	り(5	Œ			E Provincia de la companya de la com		Ŷ	((•))			S .		_			
Sort	Save	ics 🕱 Export 🛛 Sc	an Dow Rea	vnload altime	Loca Even	al Split nt History (Volur Occup	ne HiRes ancv Data	Upload Database	Download Database	Retrieve Local Even	Retrieve Split Re t History Vo	trieve Retrieve	Sync Move		Bulk Export			
Co	ontroller Databas	e	Realtim				tory	·				tion		ATMS		taSets			
ID	Name ^	Controller #10	02 - Ph	ase T	imes	and Opti	ons(1.1.1/1.1.2)										
11	V76.x Virtual Controller ID 11																		
31	V85.3 VController ID 31	Phase Min Green	n Gan Evt	May1 I	Jav2 Val	llow Cir Ped (Tr Wa	lk Ped Clearan	a Pad Pava	t Added Initia	Max Initia	I Time Before Reduce	a Care Refore Peduc	Time To Reduc	a Paduca B	Min Gar	Dynamic		
90	Edgewood V65.x 2070 Enet ID	Phase 1 5	1.5		50 3.5		0	0	0	0	0	0		0	0	0	0		
91	Edgewood V65.x 2070 Enet ID S	Phase 2 5	2		50 3.5		5	10	0	0	0	0	0	0	0	0	0		
92	Edgewood V65.x 2070 Enet ID 9	Phase 3 5	1.5		50 3.5		0	0	0	0	0	0	0	0	0	0	0		
93	Edgewood V65.x 2070 Enet ID S	Phase 4 5	2		50 3.5		5	10	0	0	0	0	0	0	0	0	0		
101	Palo Alto Demo ID 101 V76 E	Phase 5 5	1.5		50 5.3		0	0	0	0	0	0	0	0	0	0	0		
102	V76 2070 ID 102	Phase 6 5	2		50 3.5		5	10	0	0	0	0	0	0	0	0	0		
103	Commander V85.3 ID 103 V85.3 Scout Enet controller ID 1		1.5		50 5.3		0	0	0	0	0	0	0	0	0	0	0		
104	CTDOT Lab V8.169 (E)	Phase 7 5					5	-	0	0	-	0		0	-	-	0		
304	New Haven MLK @ Church V85	Phase 8 5	2		50 3.5			10	-	-	0		0	•	0	0	0		
448	Edgewood V76.x ATC Enet ID 4	Phase 9 0	0	-	0 3.5		0	0	0	0	0	0	0	0	0	0	-		
449	Edgewood V76.x ATC Enet ID 4	Phase 10 0	0		0 3.5		0	0	0	0	0	0	0	0	0	0	0		
450	Edgewood V76.x ATC Enet ID 4	Phase 11 0	0	-	0 3.5		0	0	0	0	0	0	0	0	0	0	0		
451	Edgewood V76.x ATC Enet ID 4!	Phase 12 0	0		0 3.5		0	0	0	0	0	0	0	0	0	0	0		
452	Edgewood V76.x ATC Enet ID 4	Phase 13 0	0		0 3.5		0	0	0	0	0	0	0	0	0	0	0		
453	Edgewood V76.x ATC Enet ID 4	Phase 14 0	0	-	0 3.5		0	0	0	0	0	0	0	0	0	0	0		
1448	Edgewood V61.x TS2 E-net ID 4	Phase 15 0	0		0 3.5		0	0	0	0	0	0	0	0	0	0	0		
1449	Edgewood V61.x TS2 E-net ID 4	Phase 16 0	0	0	0 3.5	5 1.5	0	0	0	0	0	0	0	0	0	0	0		
1450	Edgewood V61.x TS2 E-net ID 4																		
1451	Edgewood V61.x TS2 E-net ID 4																		
1452	Edgewood V61.x TS2 E-net ID	<															>		
1453 3060	Edgewood V61.x TS2 E-net ID 4 NYSDOT-R7-SG ID 3060	Table 1																	
3060	NYSDOT-R7-SG-ID 3060 NYSDOT-R7-SG-ID 3061																		
3070	Test V85 - 1C	Adv Warning(1.1.9)	X Auto Fl	lash Parr	ms(1.4.1)	X Auto Flash	(1.4.2)	Call Inhibit R	direct Alt(1.)	I.6.3) / Chann	el Parms(1.8) Channels Assignr	ments Plus(1.8.4/1.8.5	i) / Channels Ass	ignments(1	.8.1/1.8.2)	Console	Parms(*	1.2.1) /
3078	NYSDOT-R7-SG-ID 3078											nate(15,2) / Overlap							
3079	NYSDOT-R7-SG-ID 3079	· · · ·									·/\	Times and Options() Phase Ti	mes+ and	d Options+	(1.1.3)	
3080	NYSDOT-R7-SG-ID 3080	Phase Times+(1.1.7) / Purdu	e Ring	g Input N	Map(1.2.5)	ing Se	quences(1.2.4)	SDLC Devic	es(1.3.7)	LC Parms(1	.3.4) TOD Paramete	ers(4.6) Unit Parms	(1.2.1)					
< 1000		Filter Con	troller	-				Category Di	splay Full	Name	~								
Controller	ID=102 Name=V76 2070 ID 102																	Cou	unt = 35



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

	Adv Warning(1.1.9 / Auto Flash Parms(1.4.1) / Auto Flash Phase/Overlap (1.4.2) / Call Inhibit Redirect.Alt(1.1.6.3) / Channel Parms(1.2.1/1.8.3) / Channels Assignments Plus(1.8.4/18.5) / Channels Assignments(1.8.1/2) / CMU Permissives (1.3.9) / Detector Parms(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(1.3.8) / Overlap Confl Prog + (1.5.2.X.2) / Overlap Program Param+ + (1.5.2.X.3) / Overlap Programming(1.5.2.X.1) / Ped Parms(1.2.1.Ped) / Phase OptionsAtt(1.1.6.2) / Phase Times and Options(1.1.1/1.1.2/1.14) / 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 Parms(1.3.4) / Unit Parms(1.2.1) /
I	Filter Controller V CategoryDisplay Full Name V

Name

AdvWarning & Auto Flash Parms & Auto Flash Phase/Overlap & Call Inhibit Redirect Alt & Channel Parms & Channels Assignments & Channels Assignments & Channels Assignments & CMU Permissives & Detector Parms & General Overlap Parameters & ITS Cab Device & III Critical & Logging Purdue & MMU Permissives & MMU to Controller Mapping & Overlap Confl Prog+ & Overlap Program Paramet+ & Overlap Program Marms & CMU Permissives & Detector Parms & Overlap Program Parameters & ITS Cab Device & III Critical & Logging Purdue & MMU Permissives & MMU to Controller Mapping & Overlap Confl Prog+ & Overlap Program Params+ & Overlap Programming & Ped Parms & Phase Options Alt & Phase Times and Options & Phase Times+ & Phase Times+ Alt & Phase Times+ and Options+ & Ring Input Map & Ring Sequences & SDLC Pevrices & SDLC Parms & Unit Parms & Overlap Program & Overlap Programming & Parms & Overlap Programming & Ped Parms & Unit Parms & Overlap Programming & Phase Times+ & Phase Times+ & Phase Times+ & Alt & Phase Times+ and Options+ & Ring Input Map & Ring Sequences & SDLC Pevrices & SDLC Parms & Unit Parms & Overlap Programming & Ped Parms & Unit Parms & Overlap Programming & Ped Parms & Overlap Programming & Ped Parms & Overlap Programming & Phase Times+ & Phase Times+ & Alt & Phase Times+ and Options+ & Ring Input Map & Ring Sequences & SDLC Parms & Unit Parms & Overlap Programming & Ped Parms & Over
Filter Controller V Category Display Name

Controller Menu



Edit

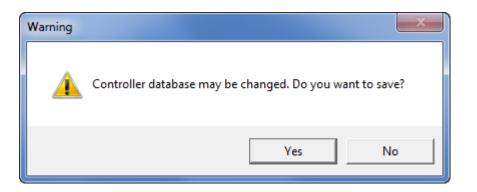
This selection allows the user to edit and modify data. The Save icon on the overview pane will be highlighted in Black when Edit is selected. StreetSync provides a database Filter for easy navigation to the specific database category of the selected database. The Filter categorizes the database according 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.

7 📮	Bexar County.twss - StreetSync v4.0.1	11.0 (AzureAD	AlBonificio@I	VETS462	2AB) p	rofessiona	al											_		\times
	Controller Tools Options	Help																		0
	Add 🗾 😡 Edit	View	R		19	ī) + (ī	-			î		((•))	الم	8_		R				
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11	V76.x Virtual Controller ID 11								-											
31	V85.3 VController ID 31								D 1 (2)					6 0 6 0 I						
90	Edgewood V65.x 2070 Enet ID													e Cars Before Reduc			· ·		IC	
91	Edgewood V65.x 2070 Enet ID 9	Phase 1 5	1.5	25		3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	_	
92	Edgewood V65.x 2070 Enet ID 9	Phase 2 5		25		3.5	1.5	5	10	0	0	0	0	0	0	0	0	0	-	
93	Edgewood V65.x 2070 Enet ID 9	Phase 3 5		25		3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	_	
101	Palo Alto Demo ID 101 V76 E	Phase 4 5		25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0	_	
102	V76 2070 ID 102	Phase 5 5		25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	_	
103	Commander V85.3 ID 103	Phase 6 5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0	_	
104	V85.3 Scout Enet controller ID 1	Phase 7 5	1.5	25	50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0		
105	CTDOT Lab V8.169 (E)	Phase 8 5	2	25	50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0		
304	New Haven MLK @ Church V85	Phase 9 0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	_	
448	Edgewood V76.x ATC Enet ID 4	Phase 10 0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	-	
449	Edgewood V76.x ATC Enet ID 4	Phase 11 0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	-	
450	Edgewood V76.x ATC Enet ID 4	Phase 12 0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	-	
451	Edgewood V76.x ATC Enet ID 4	Phase 13 0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	-	
452	Edgewood V76.x ATC Enet ID 4! Edgewood V76.x ATC Enet ID 4!	Phase 14 0	0	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	-	
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1448	Edgewood V61.x TS2 E-net ID 4 Edgewood V61.x TS2 E-net ID 4	Phase 16 0	-	0	0	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	-	
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1450	Edgewood V61.x TS2 E-net ID 4																			
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1453	Edgewood V61.x TS2 E-net ID 4	Table 1																,		
3060	NYSDOT-R7-SG ID 3060	able 1																		
3061	NYSDOT-R7-SG-ID 3061																			
3070	Test V85 - 1C	Adv Warning	g(1.1.9) 🛛 Auto	Flash Pa	rms(1.4	I.1) X Auto	Flash(1.4	4.2) 🐰	Call Inhibit Re	direct Alt(1.1	.6.3) Channe	I Parms(1.8	3) 🛛 Channels Assign	ments Plus(1.8.4/1.8.	5) Channels Ass	signments(1.8.1/1.8.2)	Conso	le Parms(1	.2.1) /
3078	NYSDOT-R7-SG-ID 3078													p Parms(1.5.1) Ove						
3079	NYSDOT-R7-SG-ID 3079													(1.1.1/1.1.2) / Phase) Phase T	imes+ and	d Options	\$+(1.1.3)	
3080	NYSDOT-R7-SG-ID 3080	Phase Times	s+(1.1.7) Purc	lue Rir	ng Inpu	rt Map(1.2.	5) X Ring	g Seq	uences(1.2.4)	SDLC Devic	es(1.3.7) X SD	LC Parms(1	.3.4) / TOD Paramet	terse V Unit Parm	s(1.2.1)					
< 1000		Filter	Controller		~				Category Dis	play Full I	lame	~								
Controller ID	D=102 Name=V76 2070 ID 102																		Cou	nt = 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.

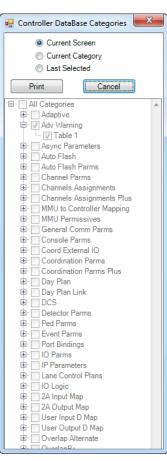
Print



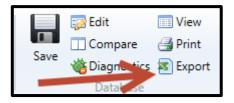
While you are still in the edit screen, the user may print out selected sheets via the **Print** command. This command will allow the user to select tabs to print out to a printer. When **Print** is selected a drop down menu appears as shown below.

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.

🖳 Controller Database Export
Current Screen Format
Current Category Excel
C Last Selected Excel
Text
Export Cancel
All Categories
👜 🗌 Adaptive
🛱 🗸 🗸 Adv Warning
Table 1
🕀 🖸 Async Parameters
🕀 🗌 Auto Flash
🕀 🗌 Auto Flash Parms
🕀 🗌 Channel Parms
🕀 🗌 Channels Assignments
🕀 🗌 Channels Assignments Plus
⊕ MMU to Controller Mapping
🕀 🖸 MMU Permissives
🕀 🗌 General Comm Parms
🕀 🗌 Console Parms
🕮 🗌 Coord External IO
🕀 🗌 Coordination Parms
Coordination Parms Plus
🕮 🗌 Day Plan
🕮 🗌 Day Plan Link
<u> <u> </u> </u>
⊡ Detector Parms
Ped Parms
Event Parms
Port Bindings
IP Parameters
En Control Plans
IO Logic
⊕ · _ 2A Input Map ⊕ · _ 2A Output Map
⊕ ⊡ 2A Output Map ⊕ ⊡ User Input D Map
⊕ · □ User Input D Map ⊕ · □ User Output D Map
⊕ · Overlap Alternate

Compare

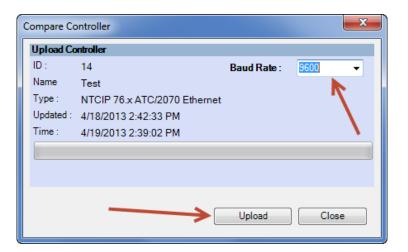
The user can compare the StreetSync database parameters with the controller's data. When accessing Compare, the Upload window will appear:

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

7	Bexar County.twss - StreetSync v4.0	.11.0 (AzureAD\AlB	Bonificio@NI	ETS4622AE) profession	al											-		\times
•	Controller Tools Options	Help																	0
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ID	Name ^	Controller #10	2 - Phase T	ïmes and	Options(1	.1.1/1.1	.2)												
11	V76.x Virtual Controller ID 11																		
31	V85.3 VController ID 31	Phase Min G	ireen Gap Ex	t Max1 Ma	x2 Yellow Cl	Red Clr	Walk F	Ped Clearance	Red Rever	Added Initia	Max Initial	Time Before Reduc	e Cars Before Reduc	e Time To Reduc	e Reduce B	y Min Gap	Dynamie		
90	Edgewood V65.x 2070 Enet ID	Phase 1 5	1.5	25 50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0		
91	Edgewood V65.x 2070 Enet ID S	Phase 2 5	2	25 50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0		
92	Edgewood V65.x 2070 Enet ID	Phase 3 5	1.5	25 50	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0		
93 101	Edgewood V65.x 2070 Enet ID 9 Palo Alto Demo ID 101 V76 E	Phase 4 5	2	25 50	3.5	1.5	5	10	0	0	0	0	0	0	0	0	0		
101	V76 2070 ID 102	Phase 5 5	1.5	25 50		Ether	rnet: Up	oload Control	ller			×	0	0	0	0	0		
102	Commander V85.3 ID 103	Phase 6 5	2	25 50									0	0	0	0	0		
104	V85.3 Scout Enet controller ID	Phase 7 5	1.5	25 50		D: Nam		102 V76 2070	UD 102				-	0	0	0	0		
105	CTDOT Lab V8.169 (E)	Phase 8 5	2	25 50		Type			x 2070 Eth	ernet			0	0	0	0	0		
304	New Haven MLK @ Church V85	Phase 9 0	0	0 0	3.5	IP:		192.168			-		0	0	0	0	0		
448	Edgewood V76.x ATC Enet ID 4	Phase 10 0	0	0 0	3.5	Port:		5102					0	0	0	0	0		
449	Edgewood V76.x ATC Enet ID 4	Phase 11 0	0	0 0	3.5	Upda	ated:	2/16/202	3 2:57:09 P	м			0	0	0	0	0		
450	Edgewood V76.x ATC Enet ID 4	Phase 12 0	0	0 0	3.5	Time	21	3/6/2023	4:00:04 PN	1			0	0	0	0	0		
451	Edgewood V76.x ATC Enet ID 4	Phase 12 0 Phase 13 0	0	0 0	3.5	-							0	0	0	0	0		
452	Edgewood V76.x ATC Enet ID 4.	Phase 13 0	0	0 0	3.5				09	6			0	0	0	0	0		
453	Edgewood V76.x ATC Enet ID 4	Phase 14 0 Phase 15 0	0	0 0	3.5	-							0	0	0	0	0		
1448	Edgewood V61.x TS2 E-net ID 4		0			-				oload	C	ose	0	0	0	0	-		
1449	Edgewood V61.x TS2 E-net ID 4	Phase 16 0	0	0 0	3.5				U	bioad	C	ose	0	0	0	0	0		
1450 1451	Edgewood V61.x TS2 E-net ID 4 Edgewood V61.x TS2 E-net ID 4																		
1451	Edgewood V61.x TS2 E-net ID 4																		
1452	Edgewood V61.x TS2 E-net ID 4	Table 1															>		
3060	NYSDOT-R7-SG ID 3060	Table I																	
3061	NYSDOT-R7-SG-ID 3061																		
3070	Test V85 - 1C	Adv Warning(1.	.1.9) 🛛 Auto F	lash Parms	(1.4.1) X Auto	Flash(1.4	4.2) X C	all Inhibit Red	lirect Alt(1.1	.6.3) Channe	I Parms(1.8)	Channels Assign	ments Plus(1.8.4/1.8.	5) Channels Ass	signments(1	.8.1/1.8.2)	Consol	e Parms(1.	2.1)
3078	NYSDOT-R7-SG-ID 3078	\										nate(1.5.2) Overlag							
3079	NYSDOT-R7-SG-ID 3079	A									·/\	Times and Options) / Phase Ti	mes+ and	Options	+(1.1.3)	
3080	NYSDOT-R7-SG-ID 3080	Phase Times+(1	Purdu	e King li	iput Map(1.2	SJ KING	g seque	ences(1.2.4)	SULC Devic	(1.3.7) SD	LC Parms(1.	3.4) TOD Paramet	Unit Parm	is(1.2.1)					
< 1000		Filter	Controller	~				Category Disp	olay Full f	lame	\sim								
Controller	r ID=102 Name=V76 2070 ID 102																	Coun	nt = 35

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.



Ethernet: Up	Ethernet: Upload Controller												
ID:	102												
Name:	V76 2070 ID 102												
Туре:	NTCIP 76.x 2070 Ethernet												
IP:	192.168.4.102												
Port:	5102												
Updated:	5/11/2022 12:02:04 PM												
Time:	5/11/2022 2:00:07 PM												
	0%												
•	Upload Close												

Compare Co	ontroller		×
Upload Co	ntroller		
ID :	14	Baud Rate :	38400 👻
Name	Test		
Type :	NTCIP 76.x ATC/2070 Ethernet		
Updated :	4/18/2013 2:42:33 PM		
Time :	4/19/2013 2:40:50 PM		
			3660 of 30000
		Upload	Cancel

Compare Co	ontroller		×
Upload Co	ontroller		
ID :	14	Baud Rate :	38400 👻
Name	Test		
Type :	NTCIP 76.x ATC/2070 Ether	net	
Updated :	4/19/2013 2:42:19 PM		
Time :	4/19/2013 2:42:24 PM		
		Trar	nsfer Successful
		Upload	Close

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

	Bexar County.twss - StreetSync v4.0.1	11.0 (AzureAD\AlBonifici	o@NETS4	622AB) pro	fessional								- 0	×
-	Controller Tools Options	Help												0
A↓	Add Edit	View 🚯	Ŀ	Ć) +I→ 🚦	₽°	↑ ↓	((•))	۰∥⊦	ŧ⇔	S .	☑ 🖻		
Sort	Save	cs 🕸 Export Scan	Downloa Realtim		al Split Volume nt History Occupancy		abase Database	Retrieve F		Retrieve Retrieve /ol/Occ HiRes	Sync Move	Bulk Bulk Delete Export		
	ontroller Database		ealtime		History	5010 501	abase batabase	Actio		ion occontinues	ATMS	DataSets		
ID	Name ^	Controller Database	Compari	son - Pha	se Times and Optior	ns(1.1.1/1.1.2)								
11	V76.x Virtual Controller ID 11													
31	V85.3 VController ID 31		10.400	10.400										_
90	Edgewood V65.x 2070 Enet ID	Parameter	ID 102 PRM	ID 102 UPL										^
91	Edgewood V65.x 2070 Enet ID 9	1. Concur 7	0	0										
92	Edgewood V65.x 2070 Enet ID 9	1. Concur 8	0	0										
93	Edgewood V65.x 2070 Enet ID 9	2. Walk	5	5										
101	Palo Alto Demo ID 101 V76 I	2. Ped Clearance	10	10										
102	V76 2070 ID 102	2. Min Green	5	5										
103	Commander V85.3 ID 103 V85.3 Scout Enet controller ID 1	2. Gap Ext	2	3										
104	CTDOT Lab V8.169 (E)	2. Max1	25	25										
304	New Haven MLK @ Church V85	2. Max2	50	50										
448	Edgewood V76.x ATC Enet ID 4	2. Yellow Cir	3.5	3.5										
449	Edgewood V76.x ATC Enet ID 4	2. Red Clr	1.5	1.5										
450	Edgewood V76.x ATC Enet ID 4	2. Red Revert	0	0										
451	Edgewood V76.x ATC Enet ID 4	2. Added Initial	0	0										
452	Edgewood V76.x ATC Enet ID 4	2. Max Initial	0	0										
453	Edgewood V76.x ATC Enet ID 4	2. Time Before Reduce	0	0										
1448	Edgewood V61.x TS2 E-net ID 4	2. Cars Before Reduce	0	0										
1449	Edgewood V61.x TS2 E-net ID 4	2. Time To Reduce	0	0										
1450	Edgewood V61.x TS2 E-net ID 4	2. Reduce By	0	0										
1451 1452	Edgewood V61.x TS2 E-net ID 4 Edgewood V61.x TS2 E-net ID 4	2. Min Gap	0	0										
1452	Edgewood V61.x TS2 E-net ID 4			<u> </u>										~
3060	NYSDOT-R7-SG ID 3060	Table 1						-						
3061	NYSDOT-R7-SG-ID 3061													
3070	Test V85 - 1C	Overlap Plus Parms(1.5	.1) X Overl	ap Program	ming(1.5.2.X.1) 🛛 Overlag	+(1.5.2.X.2) X O	opB+(1.5.2.X.3)	Pattern B Plus((2.3) X Pattern Pl	us(2.5) X Patterns(2	4) 🛛 Ped Dets Alt(5.5	i.X.1) X Ped Dets(5.4) X Ped Parms	/ _
3078	NYSDOT-R7-SG-ID 3078				ase Times Alt(1.1.6.1) \setminus Pl									-
3079	NYSDOT-R7-SG-ID 3079	· · · · · · · · · · · · · · · · · · ·			Preempt AdvTimes/Ini									
3080	NYSDOT-R7-SG-ID 3080	Preempt+ 7-12(3.1.X.6)	/ Preemp	n+(3.1.X.6)	Preemption Events(3.2.	x) Preemption	Sequences(3.3.X)		input Map(1.2.5)	King Sequences(SDLC Devices	(1.5.7) SDLC Parm	IS(1.5.4)	
<		Database Configu	rations 👻						[Show Only Differ	ences			
Controlle	r ID=102 Name=V76 2070 ID 102												C	ount = 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.

Controller Controller Commender Controller Commender Controll	7 月	Bexar County.twss - StreetSync v4.0.	11.0 (AzureAD\AlBonificio@NETS4622AB) professional	-) ×
Image: Specific S		Controller Tools Ontions	Help		0
11 V76x Wrtual Controller ID 11 31 V333 VController ID 31 90 Edgewood V55x 2070 Enet ID 9 91 Edgewood V55x 2070 Enet ID 9 92 Edgewood V55x 2070 Enet ID 9 93 Edgewood V55x 2070 Enet ID 9 94 Edgewood V55x 2070 Enet ID 9 95 Edgewood V55x 2070 Enet ID 9 96 Edgewood V55x 2070 Enet ID 9 97 Nako Ener ID 10 1076 10 102 V76 2070 ID 102 103 Commander V853 ID 103 104 V83 Second V76x ATC Enet ID 4 105 CTDS Cut Enet ID 4 105 CTDS Cut Enet ID 4 106 Edgewood V76x ATC Enet ID 4 107 Edgewood V76x ATC Enet ID 4 108 Edgewood V76x ATC Enet ID 4 119 Edgewood V61x TS2 E-net ID 4 119 Edgewood V61x TS2 E-net ID 4 119 Edgewood V61x	Sort *	Add Image: Compare Save Image: Compare Save Image: Compare Save	Wiew Image: Wiew	Move Bulk B Delete Ex	Bulk
31 V853 VController ID 31 90 Edgewood V553 2070 Ent ID 52 91 Edgewood V553 2070 Ent ID 52 92 Edgewood V553 2070 Ent ID 52 93 Edgewood V553 2070 Ent ID 52 101 Palo Alto Demo ID 101 V76 102 V76 2070 ID 102 103 Commader V533 1D 103 104 V853 Scott Ent controller ID 7 105 CTDOT Lab V8169 (P) 106 Mark Haven MLK & Church V85 448 Edgewood V76x ATC Ent ID 4 450 Edgewood V76x ATC Ent ID 4 451 Edgewood V76x ATC Ent ID 4 452 Edgewood V76x ATC Ent ID 4 453 Edgewood V76x ATC Ent ID 4 454 Edgewood V76x ATC Ent ID 4 455 Edgewood V76x ATC Ent ID 4 456 Edgewood V76x ATC Ent ID 4 457 Edgewood V76x ATC Ent ID 4 458 Edgewood V76x ATC Ent ID 4 459 Edgewood V76x ATC Ent ID 4 453 Edgewood V76x ATC Ent ID 4 453 Edgewood V76x ATC Ent ID 4 454 Edgewood V76x ATC Ent ID 4 455 Edgewood V76x	ID	Name	Coordination Diagnostics		
90 Edgewood V85x 2070 Enet ID 91 Edgewood V85x 2070 Enet ID 92 Edgewood V85x 2070 Enet ID 93 Edgewood V85x 2070 Enet ID 91 Palo Alto Demo	11	V76.x Virtual Controller ID 11			
90 Edgewood V552 2070 Enet ID 5 91 Edgewood V552 2070 Enet ID 5 92 Edgewood V552 2070 Enet ID 5 93 Edgewood V553 2070 Enet ID 5 102 V75 2070 ID 102 103 Commander V533 ID 103 104 V653 Soot Enet controller ID 7 105 CTDC1 Lal V3.169 (B) 204 Edgewood V754 ATC Enet ID 4 449 Edgewood V764 ATC Enet ID 4 451 Edgewood V764 ATC Enet ID 4 452 Edgewood V764 ATC Enet ID 4 453 Edgewood V764 ATC Enet ID 4 454 Edgewood V764 ATC Enet ID 4 455 Edgewood V764 ATC Enet ID 4 456 Edgewood V764 ATC Enet ID 4 457 Edgewood V764 ATC Enet ID 4 458 Edgewood V764 ATC Enet ID 4 459 Edgewood V764 ATC Enet ID 4 451 Edgewood V764 ATC Enet ID 4 452 Edgewood V764 ATC Enet ID 4 453 Edgewood V764 ATC SE Enel D 4 454 Edgewood V61 X1 X2 Enet ID 4 455 Edgewood V61 X1 X2 Enet ID 4 456 Edgewood V61 X1 X2 Enet ID 4 456 <td>31</td> <td>V85.3 VController ID 31</td> <td>ID Many England</td> <td></td> <td></td>	31	V85.3 VController ID 31	ID Many England		
91 Edgewood V65x 2070 Enet ID 4 92 Edgewood V65x 2070 Enet ID 4 101 Palo Alto DemoD 101 V76 1 102 V75 2070 ID 102 103 Commander V853 ID 103 104 V853 Sout Enet controller ID 10 105 CTDC1 Lab V8.169 (B) 304 New Haven MLK @ Church V85 205 Edgewood V75x XC Enet ID 4 448 Edgewood V75x KT Enet 1D 4 450 Edgewood V75x ATC Enet ID 4 451 Edgewood V75x ATC Enet ID 4 452 Edgewood V75x ATC Enet ID 4 453 Edgewood V75x ATC Enet ID 4 454 Edgewood V75x ATC Enet ID 4 455 Edgewood V75x ATC Enet ID 4 456 Edgewood V75x ATC Enet ID 4 457 Edgewood V75x ATC Enet ID 4 458 Edgewood V61x TS2 E-net ID 4 459 Edgewood V61x TS2 E-net ID 4 450 Edgewood V61x TS2 E-net ID 4 451 Edgewood V61x TS2 E-net ID 4 452 Edgewood V61x TS2 E-net ID 4 453 Edgewood V61x TS2 E-net ID 4 454 Edgewood V61x TS2 E-net ID 4 455	90	Edgewood V65.x 2070 Enet ID			
93 Edgewood V65x 2070 Enet ID 1 101 Vac Akto Demo ID 101 V76 E 102 V76 2070 ID 02 103 Commander V853 ID 103 104 V853 Soci Enet controller ID 1 105 CTDC1 Lab V8.109 (E) 304 New Haven MLK @ Church V85 486 Edgewood V75x ATC Enet ID 4 495 Edgewood V75x ATC Enet ID 4 495 Edgewood V75x ATC Enet ID 4 495 Edgewood V75x ATC Enet ID 4 496 Edgewood V75x ATC Enet ID 4 497 Edgewood V75x ATC Enet ID 4 498 Edgewood V75x ATC Enet ID 4 499 Edgewood V75x ATC Enet ID 4 490 Edgewood V75x ATC Enet ID 4 491 Edgewood V75x ATC Enet ID 4 492 Edgewood V75x ATC Enet ID 4 493 Edgewood V75x TS Enet ID 4 494 Edgewood V75x TS Enet ID 4 495 Edgewood V75x TS Enet ID 4 496 Edgewood V75x TS Enet ID 4 497 Edgewood V75x TS Enet ID 4 498 Edgewood V75x TS Enet ID 4 499 Edgewood V75x TS Enet ID 4 490	91	Edgewood V65.x 2070 Enet ID 9	102 0/620/010/102 0		
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3070 Test V85 - 1C 3078 NYSDOT-R7-SG-ID 3078 3079 NYSDOT-R7-SG-ID 3079 Run Diagnostics					
3078 NYSDOT-R7-SG-ID 3078 3079 NYSDOT-R7-SG-ID 3079 <					
3079 NYSDOT-R7-SG-ID 3079 v C NYSDOT-R7-SG-ID 3079 v Run Diagnostics					
< Nun Diagnostics					
	5079	~		Run Diagnostics	
	Controlle				Count - 35

Select Run Diagnostics to run coordination diagnostics.

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

7 😡	Bexar County.twss - StreetSync v4.0.	11.0 (AzureAD\AlBonificio@NETS4622AB) professional	– 🗆 X
•	Controller Tools Options	Help	0
A	Add Balance		
ź₊	Delete		
Sort	Save	Scan Download Local Split Volume HiRes Upload Download Retrieve Retrieve Split Retrieve Retrieve Split Retrieve Sync Move ics 🗟 Export Realtime Event History Occupancy Data Database Database Local Event History Vol/Occ HiRes	Bulk Bulk Delete Export
c	ontroller Databas		DataSets
ID	Name	Coordination Diagnostics	
11	V76.x Virtual Controller ID 11		
31	V85.3 VController ID 31		
90	Edgewood V65.x 2070 Enet ID	ID Name Error Count	
91	Edgewood V65.x 2070 Enet ID S	102 V76 2070 ID 102 0	
92	Edgewood V65.x 2070 Enet ID S		
93	Edgewood V65.x 2070 Enet ID 9		
101	Palo Alto Demo ID 101 V76 I		
102	V76 2070 ID 102		
103	Commander V85.3 ID 103		
104	V85.3 Scout Enet controller ID 1		
105	CTDOT Lab V8.169 (E)		
304	New Haven MLK @ Church V85		
448	Edgewood V76.x ATC Enet ID 4		
449	Edgewood V76.x ATC Enet ID 44		
450	Edgewood V76.x ATC Enet ID 4!		
451	Edgewood V76.x ATC Enet ID 4!		
452	Edgewood V76.x ATC Enet ID 4!		
453	Edgewood V76.x ATC Enet ID 4!		
1448	Edgewood V61.x TS2 E-net ID 4		
1449	Edgewood V61.x TS2 E-net ID 4		
1450	Edgewood V61.x TS2 E-net ID 4		
1451	Edgewood V61.x TS2 E-net ID 4		
1452	Edgewood V61.x TS2 E-net ID		
1453	Edgewood V61.x TS2 E-net ID 4		
3060	NYSDOT-R7-SG ID 3060		
3061	NYSDOT-R7-SG-ID 3061		
3070	Test V85 - 1C		
3078	NYSDOT-R7-SG-ID 3078		
3079	NYSDOT-R7-SG-ID 3079		
<	>	Run Dia	agnostics
Controlle	er ID=102 Name=V76 2070 ID 102		Count = 35

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.

7 月	Bexar County.twss - StreetSync v4.0.1	11.0 (AzureAD\AlBonificio@NETS4622AB) professional	– 🗆 ×
-	Controller Tools Options	Help	0
A↓ Z↓ Sort	Add Belete	Urew Image: Sean Download Imag	Bulk Bulk
•			Delete Export
	Controller Database	·	DataSets
ID	Name ^	Coordination Diagnostics	
11	V76.x Virtual Controller ID 11		
31	V85.3 VController ID 31	ID Name Error Count	
90	Edgewood V65.x 2070 Enet ID	😑 102 V76 2070 ID 102 2	
91	Edgewood V65.x 2070 Enet ID 9	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.	
92 93	Edgewood V65.x 2070 Enet ID 9	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.	
101	Edgewood V65.x 2070 Enet ID 9 Palo Alto Demo ID 101 V76 E	Error, Phase spint Valuation - Calculated Phase Time (20) > the minimum spint - shortway and ment (16) with Actual spint 20 Fattern. This spint, 1 - Phase - 1.	
101	V76 2070 ID 102		
102	Commander V85.3 ID 103		
103	V85.3 Scout Enet controller ID 1		
104			
304	CTDOT Lab V8.169 (E) New Haven MLK @ Church V85		
448	Edgewood V76.x ATC Enet ID 4		
440	Edgewood V76.x ATC Enet ID 4 Edgewood V76.x ATC Enet ID 4		
450	Edgewood V76.x ATC Enet ID 4		
450	Edgewood V76.x ATC Enet ID 4:		
452	Edgewood V76.x ATC Enet ID 4		
453	Edgewood V76.x ATC Enet ID 4.		
1448	Edgewood V61.x TS2 E-net ID 4		
1440	Edgewood V61.x TS2 E-net ID 4		
1449	Edgewood V61.x TS2 E-net ID 4		
1451	Edgewood V61.x TS2 E-net ID 4		
1452	Edgewood V61.x TS2 E-net ID		
1453	Edgewood V61.x TS2 E-net ID 4		
3060	NYSDOT-R7-SG ID 3060		
3061	NYSDOT-R7-SG-ID 3061		
3070	Test V85 - 1C		
3078	NYSDOT-R7-SG-ID 3078		
3079	NYSDOT-R7-SG-ID 3079		
<	>	Run Diagne	ostics
	er ID=102 Name=V76 2070 ID 102 has b	Lenser saved	Count = 35
Controlle			000.00 = 55

Action Section

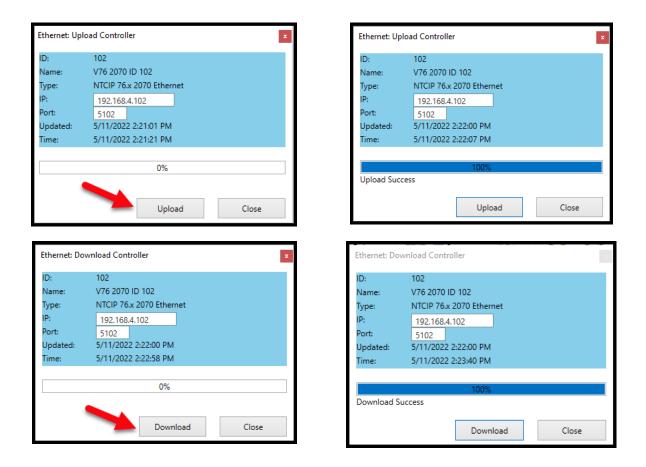
The Action menu will appear on the menu bar. All actions are "instance" actions, meaning that they are only enabled when a controller is selected.



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.



Ethernet: Loca	al Event
ID:	103
Name:	Commander V85.3 ID 103
Туре:	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: Loca	al Event x
Ethernet: Loca	al Event x
ID:	103
ID: Name:	103 Commander V85.3 ID 103
ID: Name: Type:	103 Commander V85.3 ID 103 Scout Ethernet v85.3
ID: Name: Type: IP: Port:	103 Commander V85.3 ID 103 Scout Ethernet v85.3 192.168.4.103 5103
ID: Name: Type: IP:	103 Commander V85.3 ID 103 Scout Ethernet v85.3 192.168.4.103
ID: Name: Type: IP: Port:	103 Commander V85.3 ID 103 Scout Ethernet v85.3 192.168.4.103 5103
ID: Name: Type: IP: Port: Time: 5/12/2022 1: 5/12/2022 1:	103 Commander V85.3 ID 103 Scout Ethernet v85.3 192.168.4.103 5103 5/12/2022 12:02:29 PM 100% 2:02:16 PM Transfering 2:02:16 PM Transfering
ID: Name: Type: IP: Port: Time: 5/12/2022 11 5/12/2022 11 5/12/2022 11	103 Commander V85.3 ID 103 Scout Ethernet v85.3 192.168.4.103 5103 5/12/2022 12:02:29 PM 100% 2:02:16 PM Transfering 2:02:17 PM buffer size=201 2:02:17 PM clear buffer
ID: Name: Type: IP: Port: Time: 5/12/2022 1: 5/12/2022 1: 5/12/2022 1: 5/12/2022 1:	103 Commander V85.3 ID 103 Scout Ethernet v85.3 192.168.4.103 5103 5/12/2022 12:02:29 PM 100% 2:02:16 PM Transfering 2:02:16 PM Transfering
ID: Name: Type: IP: Port: Time: 5/12/2022 1: 5/12/2022 1: 5/12/2022 1: 5/12/2022 1: 5/12/2022 1:	103 Commander V85.3 ID 103 Scout Ethernet v85.3 192.168.4.103 5103 5/12/2022 12:02:29 PM 100% 2:02:16 PM Transfering 2:02:17 PM buffer size=201 2:02:17 PM clear buffer 2:02:17 PM clear buffer 2:02:17 PM clear buffer 2:02:17 PM clear buffer

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. If data needs to remain in the controller bin, simply uncheck Clear Buffer.

Local Event

-	Controller Tools Options	Help						0
Z↓ Sort	Add Delete Delete All Introller	tics Export Scan Download Realtime	Local Split Volume Event History Occupancy History		vnload abase Local Event Retrieve Split R Action	Retrieve /ol/Occ HiRes	Sync Move	
ID 11	Name V76.x Virtual Controller ID 11	Alarm Pattern Preempt Trans	t					
31	V85.3 Virtual Controller ID 31	Time #	Description Sta	atus Data				
102	V76 2070 ID 102	5/11/2022 6:05:21 AM 61	Coord in Transition 0	0				
103	Commander V85.3 ID 103	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 5/12/2022 11:04:23 AM 47	Pattern Change 1	1				
		5/12/2022 11:04:23 AM 47 5/12/2022 11:04:23 AM 61	Coord Active 1 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				
								Clear
<	>							
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.

Ethernet: S	lit History	×
ID: Name: Type: IP: Port:	103 Commander V85.3 ID 103 Scout Ethernet v85.3 192.168.4.103	
Port: Time:	5103 5/12/2022 12:17:09 PM	
	0%	
<	Retrie	eve
Ethernet: S	blit History	x
Ethernet: S ID: Name: Type: IP: Port:	lit History 103 Commander V85.3 ID 103 Scout Ethernet v85.3 192.168.4.103 5103	×
ID: Name: Type: IP:	103 Commander V85.3 ID 103 Scout Ethernet v85.3 192.168.4.103	×
ID: Name: Type: IP: Port:	103 Commander V85.3 ID 103 Scout Ethernet v85.3 192.168.4.103 5103	X

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.

Retrieve Volume / Occupancy	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: Downloaded Files: Completed(%): 0%	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: 2 out of 23 Completed(%): 8%
Retrieve Close	Downloading Retrieve Cancel

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 Volu	me / Occupancy
IP : Port : Total Files :	Files: 23 out of 23
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.

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

Retrieve HiRe	s Data	Retrieve HiRe	is Data
ID : Name : Type : IP : Port : Total Files : Downloaded I Completed(%		ID : Name : Type : IP : Port : Total Files : Downloaded I Completed(%	
	Retrieve Close		Retrieve Close

Once selected the following screen will be displayed.

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

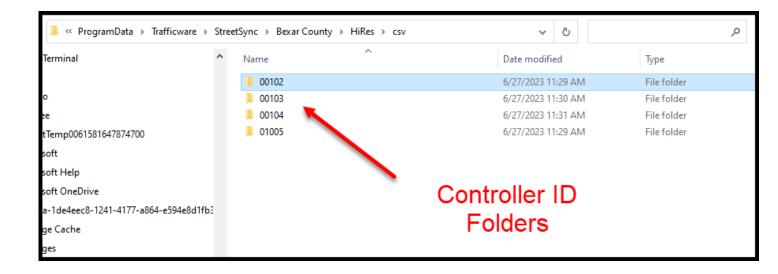
> Pr	> ProgramData > Trafficware > StreetSync > Bexar County > ^ Name ^ Date modified Type Size											
^	Name	Date modified	Туре	Size								
	📙 Data	3/10/2023 9:35 AM	File folder									
	📜 Downprom	3/10/2023 9:35 AM	File folder									
	📙 HiRes	3/13/2023 2:20 PM	File folder 🛛 🚽									
	VolOcc	3/7/2023 10:43 AM	File folder									

· · ·		-		
Name	Date modified	Туре	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	
皆 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

ProgramData > Trafficware > StreetSync > Bexa	ar County → HiRes → dat		✓ Ö Search dat
Name	Date modified	Туре	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:



📜 « ProgramData > Trafficware >	Stre	etSync > Bexar County > HiRes > csv > 00102		~	Ō	Search 00102	Q
ferminal	^	Name	Date mo	difi	ed	Туре	
		TRAF_00102_2023_06_26_1500.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
D		TRAF_00102_2023_06_26_1515.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
e		TRAF_00102_2023_06_26_1530.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
Temp0061581647874700		TRAF_00102_2023_06_26_1545.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
oft		💀 TRAF_00102_2023_06_26_1600.csv 🥌	6/27/202	23 11	1:29 AM	Microsoft Ex	cel Comma
oft Help		TRAF_00102_2023_06_26_1615.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
oft OneDrive		TRAF_00102_2023_06_26_1630.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
		TRAF_00102_2023_06_27_0900.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
a-1de4eec8-1241-4177-a864-e594e8d1fb3	1	TRAF_00102_2023_06_27_0915.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
je Cache		TRAF_00102_2023_06_27_0930.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
Jes		TRAF_00102_2023_06_27_0945.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
991-06.com.microsoft		TRAF_00102_2023_06_27_1000.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
el		TRAF_00102_2023_06_27_1015.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
reDistribution		TRAF_00102_2023_06_27_1030.csv	6/27/202	23 11	1:29 AM	Microsoft Ex	cel Comma
		TRAF_00102_2023_06_27_1045.csv	6/27/202	23 11	1:29 AM	Microsoft Exe	cel Comma
top		TRAF_00102_2023_06_27_1100.csv	6/27/202	23 11	1:29 AM	Microsoft Ex	cel Comma
nith							
vare							
tSvnc							

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	Filter
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	First Page
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	Prev Page
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	Next Page
27	06/26/2023 16:02:28.400	Phase Omit On	46	5	Next rage
28	06/26/2023 16:02:28.400	Phase Omit On	46	6	Last Day
29	06/26/2023 16:02:28.400	Phase Omit On	46	7	Last Page
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	Export
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	Delete
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	Delete All

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.

Time	#	Description	Status	Data		
/7/2023 9:16:24 AM	47	Coord Active	1	15		
/7/2023 9:16:24 AM	61	Coord in Transition	1	1		
/7/2023 9:16:29 AM	48	Preempt Active	0	0		
/7/2023 9:16:29 AM	49	HP Preempt 1	0	0		
/7/2023 9:16:32 AM	73	Controller Access	1	1		
/7/2023 9:23:48 AM	73	Controller Access	0	1		
/7/2023 9:23:50 AM	73	Controller Access	1	1		
/7/2023 9:24:05 AM	61	Coord in Transition	0	0		
/7/2023 9:24:24 AM	61	Coord in Transition	1	1		
/7/2023 9:24:24 AM	70	Internal Clock Jump	1	3		Filte
/7/2023 9:24:38 AM	61	Coord in Transition	0	0		_
/7/2023 9:25:00 AM	38	Pattern Change	1	1	Fi	rst P
/7/2023 9:25:00 AM	61	Coord in Transition	1	2		
/7/2023 9:28:54 AM	61	Coord in Transition	0	0	Pr	rev P
/7/2023 9:33:47 AM	73	Controller Access	0	1		CYT
/7/2023 9:51:49 AM	61	Coord in Transition	1	2		ext P
/7/2023 9:53:09 AM	61	Coord in Transition	0	0		EXT P
						ast Pa
						Ехро
						Delet
					Da	elete

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:

🚺 Select Time	e Range				\times
🔿 Last Hour					
🔿 Today					
○ Yesterday					
Time Range	ge				
From:	2/11/2023	15	00:00:00		
To:	3/13/2023	15	00:00:00		
Max Records:	50				
			ОК	Cancel]

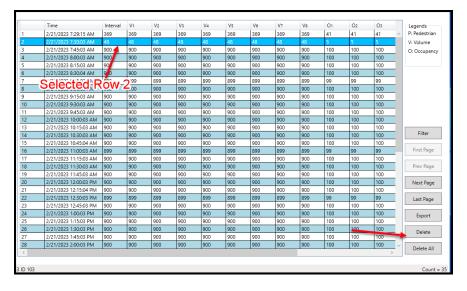
When selecting **Time Range**, the user can modify the maximum displayed records via the **Max Records** entry.

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.



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	01	O2	O3		Legends
	2/21/2023 7:29:15 AM	369	369	369	369	369	369	369	369	369	41	41	41	\sim	P: Pedestrian
	2/21/2023 7:30:03 AM	48	48	48	48	48	48	48	48	48	5	5	5		V: Volume
	2/21/2023 7:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	_	O: Occupancy
	2/21/2023 8:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100		
	2/21/2023 8:15:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	_	
	2/21/2023 8:30:04 AM	900	900	900	900	900	900	900	900	900	100	100	100	_	
	2/21/2023 8:45:03 AM	899	899	899	899	899	899	899	899	899	99	99	99		
	2/21/2023 9:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100		
	2/21/2023 9:15:03 AM	900	900	900	900	900	900	900	900	900	100	100	100		
0	2/21/2023 9:30:03 AM	900	900	900	900	900	900	900	900	900	100	100	100		
1	2/21/2023 9:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100		
2	2/21/2023 10:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100		
3	2/21/2023 10:15:03 AM	900	900	900	Warning						× •	100	100	_	
4	2/21/2023 10:30:03 AM	900	900	900							D	100	100		Filter
5	2/21/2023 10:45:04 AM	900	900	900					D	100	100				
6	2/21/2023 11:00:03 AM	899	899	899	(?)	Are you sure y records for co			cted volume	occupancy/		99	99	_	First Page
7	2/21/2023 11:15:03 AM	900	900	900		records for co	introner(s). i	05.			D	100	100	_	
8	2/21/2023 11:30:03 AM	900	900	900							D	100	100		Prev Page
9	2/21/2023 11:45:03 AM	900	900	900					Yes	No	1 0	100	100	_	
0	2/21/2023 12:00:03 PM	900	900	900							p	100	100		Next Page
1	2/21/2023 12:15:04 PM	900	900	900	900	900	900	900	900	900	100	100	100	_	
2	2/21/2023 12:30:03 PM	899	899	899	899	899	899	899	899	899	99	99	99		Last Page
3	2/21/2023 12:45:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	_	
4	2/21/2023 1:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100		Export
5	2/21/2023 1:15:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	_	
6	2/21/2023 1:30:03 PM	900	900	900	900	900	900	900	900	900	100	100	100		Delete
7	2/21/2023 1:45:03 PM	900	900	900	900	900	900	900	900	900	100	100	100		Delete
8	2/21/2023 2:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	\sim	Delete All
														>	Delete All

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

	Time	Interval	V1	V2	V3	V4	V5	V6	V7	V8	01	O2	O3	Legends
	2/21/2023 7:29:15 AM	369	369	369	369	369	369	369	369	369	41	41	41 ^	P: Pedestrian
	2/21/2023 7:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	V: Volume
	2/21/2023 8:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	O: Occupancy
	2/21/2023 8:15:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
	2/21/2023 8:30:04 AM	900	900	900	900	900	900	900	900	900	100	100	100	
	2/21/2023 8:45:03 AM	899	899	899	899	899	899	899	899	899	99	99	99	
	2/21/2023 9:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
	2/21/2023 9:15:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
	2/21/2023 9:30:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
0	2/21/2023 9:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
1	2/21/2023 10:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
2	2/21/2023 10:15:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
3	2/21/2023 10:30:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
4	2/21/2023 10:45:04 AM	900	900	900	900	900	900	900	900	900	100	100	100	Filter
5	2/21/2023 11:00:03 AM	899	899	899	899	899	899	899	899	899	99	99	99	
6	2/21/2023 11:15:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	First Page
7	2/21/2023 11:30:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	
8	2/21/2023 11:45:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	Prev Page
9	2/21/2023 12:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	
0	2/21/2023 12:15:04 PM	900	900	900	900	900	900	900	900	900	100	100	100	Next Page
1	2/21/2023 12:30:03 PM	899	899	899	899	899	899	899	899	899	99	99	99	
2	2/21/2023 12:45:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	Last Page
3	2/21/2023 1:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	
4	2/21/2023 1:15:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	Export
5	2/21/2023 1:30:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	
6	2/21/2023 1:45:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	Delete
7	2/21/2023 2:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	
8	2/21/2023 2:15:03 PM	900	900	900	900	900	900	900	900	900	100	100	100 🗸	Delete All
													>	Delete All

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	Øз	Ø4	Ø5	Ø6	Ø7	Øs	- Legends -
1	3/6/2023 4:44:16 PM	0	254	53	0	28/U	25/U			28/U	25/U			 U: Unknov
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	G: Gap ou
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	M: Max ou
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	F: Force O
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	1. Toice O
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	Filter
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	First Page
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	Prev Page
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	Next Page
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	Last Page
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	Export
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	Delete
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	Delete
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	Dalata
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	Delete Al

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	01	O2	O3	Legends
I	12/7/2022 8:38:33 AM	485	485	485	485	485	485	485	485	485	53	53	53 /	P: Pedestrian
2	12/7/2022 8:45:03 AM	390	390	390	390	390	390	390	390	390	43	43	43	V: Volume
3	12/7/2022 9:00:03 AM	900	900	900	900	900	900	900	900	900	100	100	100	🗸 O: Occupanc
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	Filter
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	First Page
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	Prev Page
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	Next Page
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	Last Page
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	Export
23	12/7/2022 2:00:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	chport
24	12/7/2022 2:15:04 PM	900	900	900	900	900	900	900	900	900	100	100	100	Delete
25	12/7/2022 2:30:03 PM	899	899	899	899	899	899	899	899	899	99	99	99	Derete
26	12/7/2022 2:45:03 PM	900	900	900	900	900	900	900	900	900	100	100	100	Delete All
<	•												>	Delete All

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.

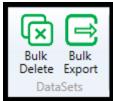
Bulk Exporting and Deleting of Retrieved Data

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.

ID	Na	ame	^					
35	Conv 35							
36	Conv 36							
53	City of Loveland	Test V76						
54	City of Loveland	2 V76						
67	US441 & NW 10				1			
70	Conv 70	Upload			I			
71	Conv 71 🖡	Download						
72	Conv 72 V8 😺	Edit				ID	53	
73	Conv 73	View			L	NAME	City of	Loveland T
74	Con 74	Compare				NAME	city of	
75	Conv 75 🛛 📸	Diagnostics	5		L	TYPE	Scout E	thernet v8
76	Conv 76	Scan			I		7 4 4 4 10	
77	Conv 77	Retrieve		Þ		DATE MODIFIED	7/18/2	023 9:25:45
80	Conv 80					IP	10.10.1	0.65:5001
103	DB103	View Histor	-	*				
104	SG 104 Free	Sync with A	(IM)		1			
105	SG 105 Free	Move		+				
106	SC 106 Free	Delete Data		•				1
107	SG 107 Free	Export Data	9	•	((•))	Local Event		
108	SG 108 Freemon	t			-	Split History		
109	SG 109 Freemont	t			9	Volume/Occupany		
110	SG 110 Freemon				₽"	Hi-Res Data		
111	SG 111 Freemon	t 🔤	~			All		
			~		μ.			

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.

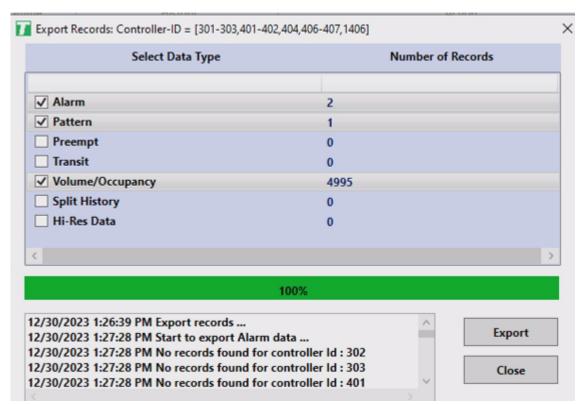
ID		Name		Date Modified	Туре		
11	V76	x Virtual Controller ID 11	З,	/10/2023 9:35:23 AM	v76 Ethernet Virtual Controller		
31	V85	3 VController ID 31	3,	/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4		
90	Edg	ewood V65.x 2070 Enet ID 90	3,	/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4		
91	Edg	ewood V65.x 2070 Enet ID 91	3,	/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4		
92	Edg	ewood V65.x 2070 Enet ID 92	3,	/10/2023 9:35:23 AM	Scout Ethernet v85.3/v85.4		
93	Edg	ewood 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-n	et 3,	/10/2023 9:35:23 AM	NTCIP 76.x 2070 Ethernet	ID	10
102	V76	2070 ID 102	3,	/10/2023 9:35:23 AM	NTCIP 76.x 2070 Ethernet	NAME	V
103	Соп	nmander V85.3 ID 103		/10/2022 0.25.22 AM	C-put Ethernet v85.3/v85.4	NAME	• •
104	V85	.3 Scout Enet controller ID 1	Î	Upload	out Ethernet v85.3/v85.4	ТҮРЕ	N
105	CTD	OT Lab V8.169 (E)	1	Download	out Ethernet	DATE MODIFIED	2/
304	Nev	/ Haven MLK @ Church V85.1	-22	Edit	out Ethernet		
448	Edg	ewood V76.x ATC Enet ID 448		View	CIP 76.x ATC Ethernet	IP	19
449	Edg	ewood V76.x ATC Enet ID 449		Compare	CIP 76.x ATC Ethernet		
450	Edg	ewood V76.x ATC Enet ID 450	1	Diagnostics	CIP 76.x ATC Ethernet		
451	Edg	ewood V76.x ATC Enet ID 451	ଷ	Scan	CIP 76.x ATC Ethernet		
452	Edg	ewood V76.x ATC Enet ID 452	-	Retrieve	CIP 76.x ATC Ethernet		
453	Edg	ewood V76.x ATC Enet ID 453			CIP 76.x ATC Ethernet		
1448	Edg	ewood V61.x TS2 E-net ID 448		View History	CIP 61.x TS2 Ethernet		
1449	Edg	ewood V61.x TS2 E-net ID 449		Sync with ATMS	CIP 61.x TS2 Ethernet		
1450	Edg	ewood V61.x TS2 E-net ID 450		Move	CIP 61.x TS2 Ethernet		
1451		ewood V61 v TS2 E-pet ID 451		Delete Data	📥 CIP 61.x TS2 Ethernet		
1452	((-))	Local Event		Export Data	CIP 61.x TS2 Ethernet		
1453	-II-	Split History	3,	/10/2023 9:35:23 AM	NTCIP 61.x TS2 Ethernet		
3060	ą.	Volume/Occupany	З,	/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	NVS	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.

II Export Records: Controller-ID = [11,31,90-93,101-105,304,448-453,1448-1453,3060-3061,3070,3078-3080... \times Number of Records Select Data Type Alarm 61 Pattern 4 Preempt 0 Transit 0 Volume/Occupancy 0 Split History 154 Hi-Res Data 14 0% Export Close

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

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



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							
🗸 Alarm		0	108	108							
Pattern		0	7	7							
Preempt		0	0	0							
✓ Transit		0	0	0							
Split History		0	359	359							
Volume/Occupancy		0	95	95							
✓ Hi-Res Data		0	96	96							
\checkmark	0%										
			^	Move							
			~	Close							
<			>								

Please note that the files are ONLY moved to ATMS.

Realtime Section

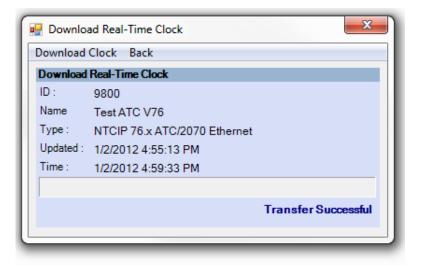
The Real time section allows the user to update the clock time for a controller or to scan a connected controller to view Red/Yellow/Green status

Download Real-Time

The Download Real Time screen works the same way as the existing ATMS Partner

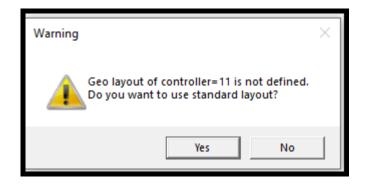
screen. The user selects a controller from the list, then chooses **Download Real Time** menu item. The app then displays the screen depicted below, indicating the selected controller. The user may then click the **Download Clock** button to transfer time data between the device and the controller. When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



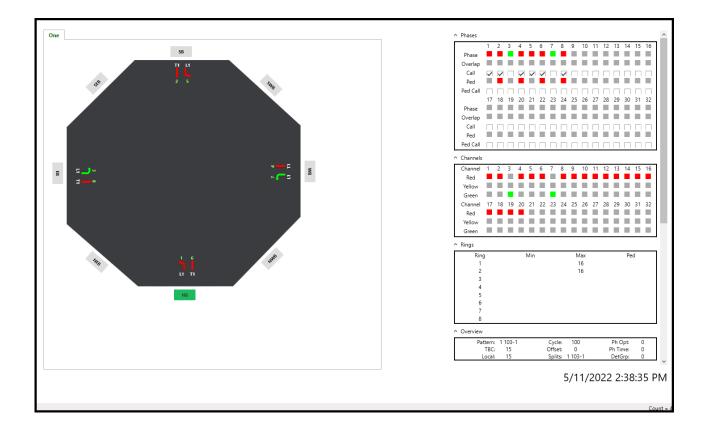


Scan

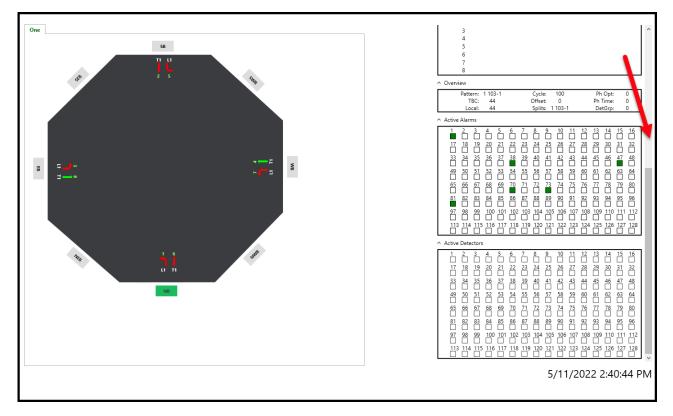
After selecting the intersection and connecting it to StreetSync the user can run a scan screen. The scan screen layout is dependent upon setting the **Intersection Layout** configuration screen in ATMS. If this is programmed in ATMS for the intersection that you are connected to the scan screen will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

Initialize ack	
List of Modems : 31	
HAYES 2400 CONTROLLER	
HAYES_2400_CENTRAL	
HAYES_9600_CONTROLLER	
HAYES_9600_CENTRAL	
HAYES_19200_CONTROLLER HAYES_19200_CENTRAL	
HAYES_19200_CENTRAL	
HAYES_28800_CONTROLLER	
HAYES_28800_CENTRAL	
USPCMCIA_28800_CENTRAL	
COURRIER_2400	
COURRIER_9600	
SPORTSTER_2400	
SPORTSTER_9600 SPORTSTER_19200	
SPORTSTER_19200	
BOCA1 9600 CENTRAL	
BOCA2 9600 CENTRAL	
BOCA3_9600_CENTRAL	
BOCA1 19200 CENTRAL	
BOCA2_19200_CENTRAL	
BOCA3_19200_CENTRAL	
BOCA1 19200 CONTROLLER	
BOCA2_19200_CONTROLLER	
BOCA3_19200_CONTROLLER	
TELENETICS_9600_CONTROLLER	
ACCURA_9600_CONTROLLER	
ACCURA_9600_CENTRAL	
BITSURFR_PRO_9600	
BITSURFR_PRO_38400	
ISDN_3COM_TA_19200	
BOCA_2400	

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

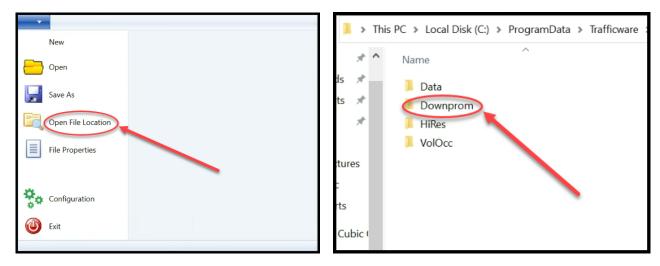
Flash Firmware

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.

•	Flash Fir	mware	x									
FI	Flash EPROM Back											
H	Header De	tails										
	Header :	n2_61_4h.hdr	-									
	Model :	980-NTCIP										
	Version :	61.4h										
	Desc :	980 NTCIP										
L]									

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)

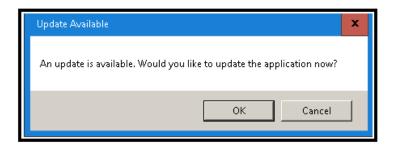
Release Notes

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

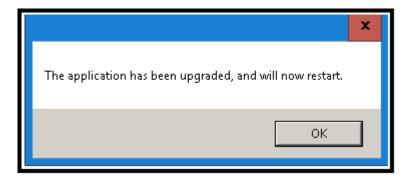
Check for Updates

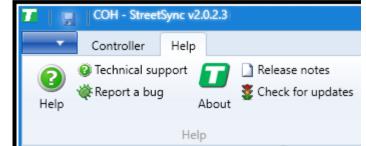
Among the features of the StreetSync *Help* section is access to this manual, release notes and an automatic update check feature.

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:

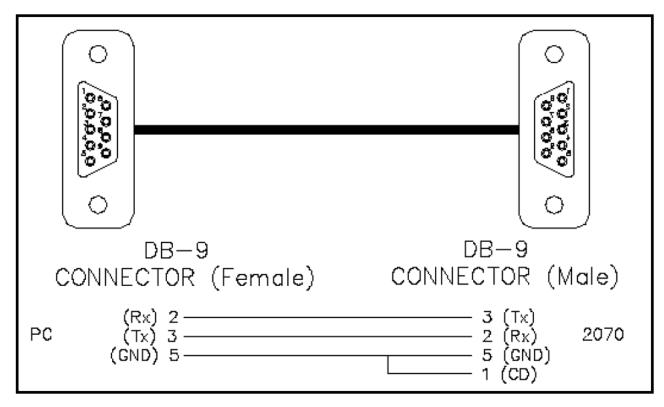




Hardware considerations

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

	Syster	n (P-	A)	 +	·	System	Up (F	γ-A)		System Down (P-B)			
Pin			Pin					Pin	Function	Pin	Function		
1	Earth Ground	7	Signal Ground		1	Earth Ground	7	Signal Ground		1	Earth Ground	5	CTS
2	тх	8	DCD		2	тх	8	DCD		2	тх	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			I	1	
									ī.				

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.