



TS MANAGER

OPERATIONS MANUAL

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Introduction

Touch Screen Manager (TS Manager) allows a Windows-based workstation to connect to and access data from an SSi touch screen. Connected to a compatible touch screen, TS Manager provides a rich set of features, such as the following:

- Remote touch screen setup
- Downloading log data (1 min. interval)
- Downloading notes
- Database backups
- Managing maintenance items
- Passing notes to SuperDATA
- Reviewing notes, charts, and tabular data.

Prerequisites

Your SSi controller's touch screen interface should be connected to the plant Ethernet network on the same subnet as the PC that is going to interface via Touch Screen Manager. (A USB connection with ActiveSync or Mobile Device Center can also be used to download data and view trends.) Prerequisites for using TS Manager include .NET Framework 2.0, SQL CE 3.5, Microsoft .NET 2.0 Redistributable, and either ActiveSync or Windows Mobile Device Center. The setup.exe program will check to make sure that these prerequisites are installed and, if necessary, install them.

Getting Started

Install Touch Screen Manager from the provided CD. Run Touch Screen Manager from the provided shortcut. Touch Screen Manager will open to this screen:

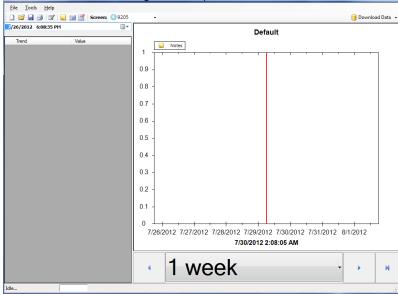


Figure 1 - First screen that will appear in TS Manager

To interface with a screen, select Tools \rightarrow Communications \rightarrow Setup.

Screens				8
9205 9220 e-Trim MGA6010				
Add	9205	Edit	Delete	
Model	9205			
IP Address				
Identifier				
			ОК	

From this screen, select Add.

Figure 2 - Screen selection menu

Screens	E
9205 9220 e-Trim MGA6010	
Add	Edit Delete
Name TS Scr	reen
IP Address Scan	for IP>
Save	Cancel
	ОК

Figure 3 - Screen selection menu (scan IP function)

Assign the screen a name by typing it in the box next to Name (use furnace name for unique identification). Click the button to scan the network for IP Addresses. Select the IP address that corresponds to the screen and press **OK**. This will return the display to the previous screen, and the IP Address box should show the selected address. Press **Save** to return to the following screen with the IP address and Identifier assigned.

If you need to identify the IP address of the screen (such as a situation where you have two or more similar screens on the network), there is often more than one way to do it, depending on the software running on the Touch Screen. One way to check the IP address on most Touch Screens is first to shut down the Touch Screen software that you are running, and then to double tap on the network icon (

For specific instructions on how to identify the IP address of the screen within the Touch Screen software or how to shut down the Touch Screen software that is running, refer to the manual for that specific product.

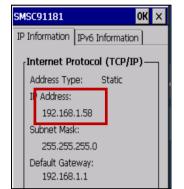


Figure 4 - Network Settings display on Touch Screen device

1	C TS Screen Scanner	
	Network To Scan	•
	[192.168.1.58] 9205 MAC: 00-D0-C9-A1-F1-29-00-00	
	Scan	OK Done

Figure 5 - Selecting a screen by IP address

Screens	×
9205 9220 e-Trim MGA6010 TS Screen TS Screen TS Screen	
Add	Edit Delete
Name	9205
Model	9205
IP Address	192.168.1.58
Identifier	00-D0-C9-A1-F1-29-00-00
	ОК

Figure 6 - Screen selection menu (populated with additional screens)

Press **OK** to interface with the selected screen. If a screen that is already added is assigned a new IP address, select that screen and press **Edit.** Then, follow the same procedure for setting up a new screen (scan for IP address and save).

Menu File

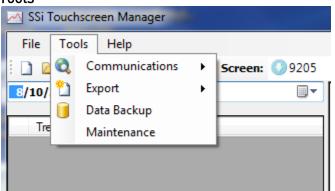


Figure 7 - File Menu

File contains the following options: New: Create a new chart Open: Open a saved chart Save: Save a chart Save as: Save a chart with a new location/name Print: Print either the chart or the corresponding notes Print Preview: Preview the chart or the corresponding notes for printing.

Exit: Quit TS Manager

Tools



Tools contain several useful features of SSi's TS Manager program.

Figure 8 - Tools Menu

Communications: Communications consists of **Setup, Advanced Download & Maintenance,** and **Online Screen Configuration**.

SSi Touchscreen Manager		-	-
File Tools Help			
🗋 🔽 🔍 Communications	•		Setup
8/10/ 1 Export	•	R	Advanced Download & Maintenance
📃 🧻 📔 Data Backup			Online Screen Configuration
Tre Maintenance		_	Notes

Figure 9 - Tools > Communications Menu

Setup

allows the

user to add and edit screens to interface with TS Manager. Instructions for this are outlined in the Getting Started portion of the manual.

Advanced Download & Maintenance

Advanced Download and Maintenance contains two tabs: Transfer Data and Maintenance.

9205 👻	Screen Source	•	
Al Data 🗸	Chart Templates All Templates SSi 9205.ctm		 ✓ ✓ All Device ✓ SSi 9205.DW9205 ✓ maintenance.sdf ✓ Probe.sdf ✓ mb.sdf ✓ DW9205DB.sdf

Transfer Data

Figure 10 - Data Transfer screen

This option determines what information will be downloaded to TS Manager. There are two drop down menus. The first lists all the screens that have been set up. To download data from a particular screen, select it from this menu.

Т	ransfer Data Maintenance		
	9205 👻	Screen Source	-
	9205		
	9220		
	e-Trim	Chart Templates	-Notes -
	MGA6010	All Templates -	All Note
	TS Screen		
	TS Screen 3	SSi 9205.ctm	
	TS Screen2		
	▼ 7/27/2012		
	7/28/2012		
	Figure 11 - Transfer Data > 9	creen selection dron down hox	

Transfer Data > Screen selection drop down box

The second drop down menu contains the options of Screen Source, Disk Source, and View Local Files:

• Selecting Screen Source will download data stored on the screen.

- Selecting Disk Source will enable TS Manager to download data from a storage card, local hard drive, or other storage medium. You may direct TS Manager to access the appropriate data.
- Selecting View Local Files will direct TS Manager to open data copied from a 9000 Series screen to a local drive.

Transfer Data Maintenance		
9205	Screen Source	-
	Screen Source	
	Disk Source	
Logdata	^C View Local Files	otes
All Data 🔹	All Templates	 All Not
7/24/2012	SSi 9205.ctm	
Figure 12 - Transfer Data	> Source selection drop down bo	x

The Transfer Data tab also contains the sub menus of Logdata, Chart Templates, Notes, and Device.

Logdata: This drop down menu provides the option to download All Data, Selected Data, or Skip (download no logged data). If Selected Dates is chosen, the dates of logged data must be checked to be included in the download. To toggle between checked and unchecked, click the box corresponding to that date.

Chart Templates: This drop down menu provides the option to download All Templates, Selected Templates, or Skip (download no templates). If Selected Templates is chosen, the name of the template must be checked to be included in the download. To toggle between checked and unchecked, click the box corresponding to that template.

Notes: This drop down menu provides the option to download All Notes, Selected Notes, or Skip (download no Notes). If Selected Notes is chosen, the name of the note must be checked to be included in the download. To toggle between checked and unchecked, click the box corresponding to that note.

Device: This drop down menu provides the option to download data All Devices, Selected Devices, or Skip (download no Devices). If Selected Device is chosen, name of the template must be checked to be included in the download. To toggle between checked and unchecked, click the box corresponding to that device.

To download data, press the **Download** button. Press the **Done** button to exit the Advanced Download & Maintenance view. Once data has been downloaded, the default view of TS Manager will display the chart for the selected screen:

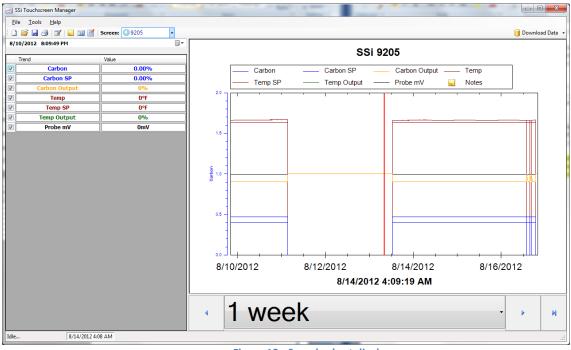


Figure 13 - Sample chart display

NOTE: the remainder of this section will use the default trend chart display. To view data in tabular form, click the icon.

3.12 Yearlanest Manager	STREET, STREET	A real and the second s			A company of the
Fis Tarm risks			-	_	
C IF IF IF IF IF IF IF AND A STATE	1.1				
		0- Inthe	Tere:	Taxa W	Textilized
11		114/08/78 1848/74	194	194	10
Tend Vest			189.	101	m.
here a second	814	114/01/14/01/14	1997	49	181
Long M		110,0071,010,79	199	1910	38
Tame Indiged	10	11620162161	389.	1841	361
		1100110.0074	244	144	10
		1162073340078	281	89	81.
		119-0013-0019	191	184	191
		115-0116-0.076	794	39	201
		1103010310676	18.9	100	41
		215207534979	37	100	25
		1102071280076	1914	100	- 10.
		1102010300079	201	199	15.
		110.00710.0076	191	184	(9)
		110/071210079	281	184	38
		110/0718310/16	1914	100	(9)
		1102071340074	297	184	36
		118-0179-06/674	784	100	10
		114201338879	287	184	391
		116.0171110.010	197	1914	344
		110.0171.0.0174	197.	- 189	(21)
		116/07/1016/04	194	194	36
		119-20170-4040/74	287	194	ph.
		118-20178-41-00199	289	49	30
		210207342679	191	100	391
		216.017142-0194	289	184	38.
		110.01764.0176	191	144	10
		116-2017-0-40-00/19	34	189	30.
		115201540.079	184	184	195
		118/2018416/16	201	184	201
		140714011	184	144	(41)
		115207546076	37	44	- 10.
		116-28-78-86-85-96	191	144	an.
		1102071010199	201	198	- 95
		1-607100/019	141	14	191
		116.0111.0.4279	39	189	10
		118-007318-0079	181	144	10
		116001580674	194	144	
		118-3179-8-MPM	284	144	44
		Louis day in a lot one.	1.084		-

Figure 14 - Sample chart display in tabular form

The trendlines displayed can be customized by checking or unchecking the corresponding box. The amount of time can be changed by using the drop down menu showing **1 Week** in the figure, or by scrolling left and right with the arrows.

To zoom in on the image, you can use the left mouse button and click and hold and then drag the mouse to complete the area that you are looking to zoom in on.

By right clicking with a mouse on the chart you have options for Copy, Save Image, Page Setup, Print, Show Point Values, Un-Zoom, and Undo All Zoom/Pan.

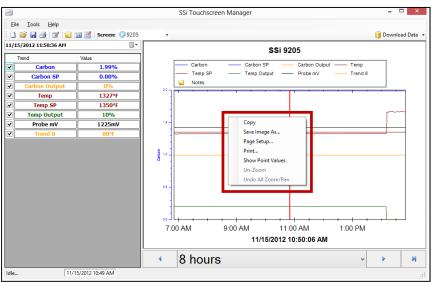
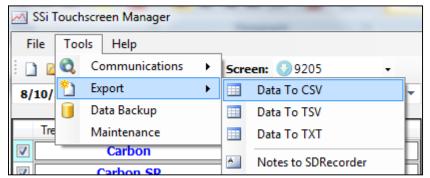


Figure 145 - Menu accessed by right-clicking on chart

Export



Export provides the option to save data as a .CSV, .TSV, or .TXT file. Also, notes from TS Manager can be exported to SDRecorder.

Figure 15 - Export options

Data Backup

Data Backup can be used to store data to an alternate location for security.

			Backup Data N	ow	
Automatic Backup)				
Automatically	/ Backup My Da	ta After Every D	ownload		
Location:					
Save Disk Space					
After downlo	ading data, dele	te redundant und	compressed log	data	
		his if you use TS ta to take up to \$			

Figure 17 - Data Backup screen

To back up data, press the **Backup Data Now** button at the top of the screen. The user will be asked to identify a folder where the backup data will be stored. Furthermore, the option to **Automatically Backup My Data After Every Download** can be checked, and a location can be

selected by pressing the button.

Maintenance

The Maintenance option will keep track of regular operations performed by the system and allows you to perform edits to Maintenance items contained in the touch screen.

NOTE: Use of an **Ethernet** connection is <u>required</u> in order to use the Maintenance features of TS Manager. Maintenance features will not function using a USB connection with Active Sync or Mobile Device Center.

Maintenance Items

Maintenance Items		Add Maintenance Item
Item Name	Instructions	
c timer cc cc2 New Maintenance Item	instructions	Timed Event ▼ Name:
Add Edit Messages 8/2/2012 2:19:09 PM: Downloading I 8/2/2012 2:19:09 PM: Connected 8/2/2012 2:19:09 PM: Downloading I 8/2/2012 2:19:09 PM: Loading Text 8/2/2012 2:19:09 PM: Loading Text 8/2/2012 2:19:09 PM: Loading Text 8/2/2012 2:19:09 PM: Loading Main 8/2/2012 2:19:09 PM: Querying Main 8/2/2012 2:19:10 PM: Querying Main	tion Register Successful List tenance Items	Interval: Weekly Weeks: Instructions: OK Cancel

Figure 16 - Maintenance Items window

The Maintenance Items option allows the user to set up and edit maintenance events. The **Add** button will add a new maintenance item.

The type of event can be changed by using the drop-down menu at the top of this window. This will display the options of Timed Event, Conditional Timer Bit, Conditional Timer Data, Conditional Counter, and Total. Select the appropriate choice to add a new event. **Cancel** will return to the previous window without adding a new event.

Note that each Maintenance Item window contains an Instructions field. The text in this field will appear when the user selects **Complete** for a Maintenance Item shown in the Maintenance > Status menu on the product touch screen. Note that this action must be completed from the touch screen (not from TS Manager).

Timed Event: Selects the interval by using the dropdown menu. The choices are Hourly, Daily, Weekly, Monthly, and Yearly. Once the interval is selected, the user then decides how often this interval will be checked.

💀 Maintenance Items
Item Name In
2 🛃 Add Maintenance Item
New N Timed Event
Name:
Interval: Weekly 🔻
Weeks:
Instructions:
A
Messa OK Cancel
Figure 17 - Timed Event menu

Conditional Timer Bit: When setting up a conditional timer, the user assigns several parameters. First the user must assign the Register and the Bit. The Target determines the

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aggregated amount of time the bit has been on or off until maintenance is needed. The field 'Bit is:' determines whether the counter adds when the bit is turned on or adds when the bit is turned off without change.

Add Maintenance Item	
Conditional Timer Bit 💌	
Name:	
Register: 0 Select Register	
Bit: 0	
Target: Days: 0 Hours: 0 Minu	ites: 0
Bit Is: On	
Instructions:	
OK Cancel	

Figure 18 - Conditional Timer Bit menu

Conditional Timer Data: When setting up a conditional timer based on a data value, the user assigns several parameters. One parameter is the Target, which determines the aggregated amount of time the current value must remain in a certain state when compared to a reference value (defined in the To field) before maintenance is needed. When used, the Expression field defines a mathematical operation performed on the Register value before that value is compared to the value defined in the To field—for example, if x/10 is entered in the Expression field, the Register value will first be divided by 10 and then compared to the value defined in the To field.

🖳 Add Maintenance Item	1 March 199				X
Conditional Timer Da 💌					
Name:					
Register: 0	Select Reg	gister			
Target: Days: 0	Hour	s: 0	Minutes:	0	×
Data Is: EqualTo	▼ to: 0.000	×			
Expression:					
Instructions:					
OK Cancel					

Figure 19 - Conditional Timer Data menu

Conditional Counter: The Conditional Counter counts how many times a bit changes its status. The user assigns the Register, Bit, and Target. Once the Target value is reached, the maintenance item is due. The last field, bit, determines whether the target is counting the bit turning on, the bit turning off, or the bit changing either way.

💀 Add Maintenance Item
Conditional Counter Name:
Name.
Register: 0 Select Register
Bit: 0
Target (Count):
Bit: On 🗸
Instructions:
OK Cancel

Figure 20 - Conditional Counter

Total. The Total function (Totalizer) works by checking the assigned Register every minute. Each minute, the current value of the register is added to the total. Once the Target is reached, the item is due for maintenance. The Expression field functions in the same way as the Expression field for the Conditional Timer Data maintenance item.

🖳 Add Maintenance Item 📃 💷	8
Total 👻	
Name:	
Register: 0 😒 Select Regi	ister
Target (total):	
Expression:	
Instructions:	
OK Cancel	
	Total ▼ Name: Register: 0 Target (total): 0 Expression: Instructions:

Figure 21 - Total Maintenance Item

To delete a maintenance item, simply highlight it, and press delete.

Maintenance Status

Maintenance Status				
] Due Only				
ltem	Status	Percent Complete	Total Completed	Total Remaining
c timer	ОК	0% complete	00:00:00 Completed	1.00:00:00 Remaining
сс	ОК	NaN% complete	0 Completed	0 Remaining
cc2	ОК	0% complete	0 Completed	5 Remaining
Unknown Maintenance Item	ОК	Unknown Maintenance Item	Unknown Maintenance Item	Unknown Maintenance Item
*				
Messages				
- 8/31/2012 9:25:43 AM: Querying Ma	intenance Items			
8/31/2012 9:25:44 AM: Success	_			
8/31/2012 9:25:44 AM: Creating the 8/31/2012 9:25:44 AM: Querying the	-			
8/31/2012 9:25:44 AM: Query Succe				

Figure 22 - Maintenance Status screen

The status screen will keep track of the maintenance events. The status column displays whether the defined events are OK (not due) or Due for maintenance. This view also shows the Percent Complete until maintenance is due, the Total Completed, and the Total Remaining until maintenance is due. The option to show only events that are due is available by checking the **Due Only** box in the top left-hand corner.

Maintenance Report

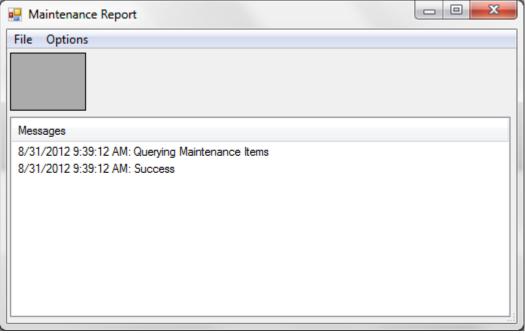


Figure 23 - Maintenance Report screen

Maintenance Report is the option to view or print out an overview of the maintenance operations. Clicking File \rightarrow Create Report will bring up a grid overview of the report fields. To change any of the included fields, click **Options** \rightarrow **Constraints** to toggle between displaying fields or not. **Options** \rightarrow **Sorting** will change the way the items are ordered and grouped.

🖳 Sorting		
Sort By	Descending	Used
start date	False	False
end date	False	False
completed date	False	False
last update date	False	False
status	False	False
Active	False	False
Item Type	False	False
ltem	False	False
Move Up Move Down	Toggle Descending Toggle	Used

Toggling between True and False under the Used column will determine which field is used to order the columns. The field at the top of the list is the field that will determine how the maintenance records are ordered first. The higher the field appears on the list, the higher the priority is given to that field in sorting records. The fields can be ordered by ascending date or descending date by toggling the field to True under the Descending column. Options → **Columns** to change the

Figure 24 - Sorting window

order of the columns, and **Options** \rightarrow **Sorting** to change the way the items are ordered and grouped. These changes will be shown when **File** \rightarrow **Create Report** is clicked again.

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Help

Help contains the options of Check for Updates and About...

Check for Updates: This is an important button to use as it will ensure that TS Manager is running the most recent version. SSi recommends checking for updates each time TS Manager is going to be used.

About... This will provide information about what version of TS Manager is running and what has been changed in the most recent updates.

Toolbar 🗄 🗋 🚔 🛃 🕼 🔚 🖆 Screen: 📀 9205 🔹
The first toolbar item opens a new chart.
😂 Opens a chart.
😼 Saves a chart.
Prints a chart.
🗹 Opens Edit Custom Curves Menu.
Toggles between showing/hiding notes.
Toggles between chart view and data grid view.
Edit trend lines on a chart.
Screen: ③ 9205 • Drop down list of all controllers available.
Drop down calendar that enables historical access.
Download Data • Downloads data with options of using all screens, selected screen only,
☐ Download Data -
✓ All Screens
Selected Screen Only
Download Only Newer Files

Edit Custom Curves

Most types of inputs that are used in SSi controllers are already setup with a curve built for most every type of thermocouple available, certain vacuum sensors, etc. However, if an application calls for an input without a standard curve, the curve can be built using this option. Voltages can be paired with corresponding values to create a sensor curve based off of a provided equation or data. This allows the controller to make appropriate readings from the sensor.

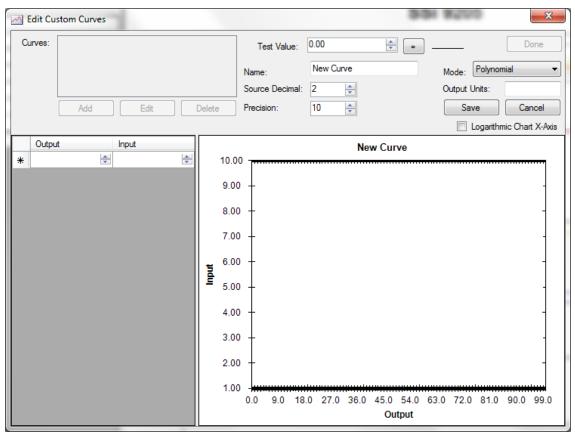


Figure 25 - Edit Custom Curves screen

Edit Trend Lines

The **Edit Trend Lines** feature allows you to edit the formatting and ranges of data for charts produced by TS Manager. This feature allows you to adjust the appearance and names of trend lines on the chart as well as the numerical ranges for each trend line displayed in the chart.

To access this feature, first toggle the **Edit Chart** button is on. The **Edit Trend Lines** screen will appear. You can then edit the fields shown below.

	Name	Data		Min		Max		Width	h	Format	Units	Expression		colTestValue	=	Total
Þ	Carbon	Loop 1	•	0	*	2	*	1	*	0.00	1	x*0.01	•	-1 🚖		-0.01%
	Carbon SP	Loop 1	-	0	*	2	*	2	*	0.00		x*0.01	•	-		
	Carbon Out	Loop 1	•	-100	*	100	*	1	*	0		x*0.1	•			
	Temp	Loop 2	•	0	*	2000	*	1	*	0		x	•			
	Temp SP	Loop 2	•	0	*	2000	*	2	*	0		x	•	-		
	Temp Output	Loop 2	•	0	*	100	*	1	*	0		x*0.1	•			
	Probe mV	Probe mV	•	800	*	1400	*	1	*	0		x*0.1	•			
*			•		*		*		*							

Figure 26 - Edit Trend Lines screen

- Name. The name of the trend line that will appear on the chart.
- Data. The selected data set from which data will be taken to create the trend line.

- Min. The minimum value displayed in the trend line on the chart.
- Max. The maximum value displayed in the trend line on the chart.
- Color (solid color shown). The color of the trend line as it will appear on the chart.
- Width. The width of the trend line.
- Format. The number of decimal places shown in the numerical values for that particular trend line.
- Units. The units shown for that particular trend line (degrees F, percentage, etc.).
- Expression. A mathematical operation performed on each value displayed on the trend line. *x* is the original value; the mathematical operation shown indicates the operation performed on *x* before the newly calculated value is included on the trend line.
- colTestValue. A test value entered to test the mathematical operation shown in the Expression field.
- Total. The value resulting from performing the mathematical operation shown in the Expression field on the value shown in colTestValue.

TS Manager Batch Mode (Applies to version 1.1.0.21 and higher)

Starting with TS Manager version 1.1.0.21 and up, there is an optional batch mode that will automatically download new data and export any new notes to SD Recorder without the need to start up the TS Manager software.

Adding the TS Manager Location to the System Path

The first step in setting up the batch mode for the TS Manager is to add the TS Manager's installation path to the system's Path variable. This will simplify the execution of the application. From the Start Menu, click on the "Control Panel" option.

In Windows XP: Once the Control Panel is opened, double-click on the "System" icon to open the System Properties screen.

In Windows Vista or Windows 7: Make sure that the View By option is set to Large Icons or Small



Icons, as shown at right (a Medium Icons option may also be present).

Then click on the System (

) icon, and then the Advanced System Settings option

(Advanced system settings) along the left of the screen.

There will be a few tabs across the top of the screen. Click on the "Advanced" tab to select it. From the "Advanced" tab, click on the **Environment Variables...** button (See Figure 27). A prompt asking whether you want to allow this action may appear; if it does, allow it.

ystem Properties	;				x
Computer Name	Hardware	Advanced	System Protection	Remote	
You must be lo	gged on as	an Administra	tor to make most of t	hese changes.	
Performance					
Visual effects	processor s	cheduling, m	emory usage, and vi	rtual memory	
			(Settings	
User Profiles					
Desktop settir	ngs related t	o your logon			
				Settings	
Startup and R	ecovery				
System startup	o, system fai	lure, and deb	ugging information		
				Settings	
			Environme	ent Variables	
		ОК	Cancel	Apply	

Figure 27 - Environment Variables button

On the "Environment Variables" screen, there will be a list of environment variables in the section labeled "System variables". Scroll down this list until the "Path" variable is visible. Select the "Path" variable and click on the **Edit** button within the "System variables" section. This will allow a user to modify the system's path variable. Click in the "Variable value:" field and use the right arrow button to scroll to the end of the variable (see Figure 28).

Computer Name	Hardware	Advanced	System Protection	Remote						
Environment	/ariables			(83					
User variable	es for jmerrit	t								
Variable	Va	alue								
TEMP	%	USERPROFIL	.E%\AppData\Loca	I\Temp						
TMP	%	USERPROFIL	.E%\AppData\Loca	l\Temp						
		New	Edit	Delete						
System varia	ables		Edit	Delete	Edi	it System Variab	le			
Variable	ables Va	lue	Edit			-				
	ables Va W	ilue				it System Variab ariable name:	le Path			
Variable	ables Va W. C:	ilue indows_NT \Program File	Edit	crosof	l va	-	Path	m Files\Tortoi	seSVN\bin;C	
Variable OS Path	ables Va W C: .C	alue indows_NT \Program File :OM;.EXE;.BA	es\Common Files\Mi	crosof	l va	ariable name:	Path	m Files\Tor toi	seSVN\bin;C	
Variable OS Path PATHEXT	ables Va V C: .C DR_A x8	alue indows_NT \Program File :OM;.EXE;.BA	es\Common Files\Mi	crosof	l va	ariable name:	Path	m Files\Tortoi		:\SSI\B ancel

Figure 28 - Editing the Path system variable

Add the following text to the end of the variable:

;<TS Install Location>\

Where <TS Install Location> is the location of the TS Manager software on the computer. For example, if the software were located at the following path: C:\SSi\TSManager\, then the text

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entered at the end of the variable would be ;C:\SS\TSManager\. It is important to include the semicolon (;) at the beginning, since the semicolon indicates separate variables to the computer. It is also important to keep the backslash (\) at the end of the text, since the backslash will allow the computer to add the proper location to the path variable.

Note: To avoid any future errors with other programs, make sure that none of the text in the "Variable value" field is highlighted when editing this value. Any highlighted text will be erased when the user begins to type in the new path text.

Click on the **OK** button to close out the "Edit System Variable" screen. Click on the **OK** button to close out the "Environment Variables" screen. Click on the **OK** button to close out the "System Properties" screen.

Adding the TS Manager's installation location to the system path is not necessary to run the TS Manager software in batch mode and should only be completed if the administrator wishes to simplify the execution of the application for the users.

Running the TS Manager Software in batch mode

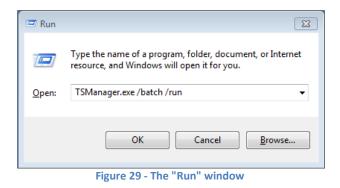
The batch mode operation can be started by using the "Run" screen for Windows. From the Start Menu, click on the "Run" menu option to open the "Run" screen, or press the Windows key

[1] + R. If the TS Manager's installation path was not added to the system's path variable, the user will have to enter the whole path to execute the batch mode. For example, to run the batch mode type the following the field on the "Run" screen and press the **OK** button or press the **Enter** key:

"C:\SS\TSManager\TSManager.exe" /batch <parameter>

Where <parameter> is <u>one or more</u> of the parameters shown in Table 1 - Batch Mode parameters and descriptions.

Note: The quotes are necessary if there is a space in the path for the TS Manager software. Therefore, "C:\SS\TS Manager\TSManager.exe" /batch /notes will require quotes around the TS Manager path and filename (TSManager.exe) because of the space in the "TS Manager" folder name. However, C:\SS\TS\TS\TSManager.exe /batch /notes will not require quotes, since there are no spaces in the path and filename.



If the TS Manager's path was included in the system's path variable (see *Adding the TS Manager Location to the System Path* section above), then all that would need to be entered would be the file name and parameters:

TSManager.exe /batch /notes

Running the TS Manager in batch mode will not actually open the TS Manager user interface. While the TS Manager is running in batch mode, the cursor will change to an hourglass. When the TS Manager has finished, the cursor will change back to an arrow.

IMPORTANT: In order for a batch mode command to execute, <u>both</u> the /batch parameter and a second parameter (see Table 1 - Batch Mode parameters and descriptions below) must be entered in the Run window after "TSManager.exe".

Error logging

The TS Manager will maintain an error log of the batch mode process in the installation location called "batch.log". This file will contain a step-by-step list of the batch mode, and it can be helpful when contacting Super Systems Inc. with any issues. The log will contain details on only the most recent batch run.

List of Batch Mode Parameters

Following is a list of batch mode parameters that work with TS Manager, along with a description of each mode's functionality. These parameters are entered after the batch parameter in the Run window.

Batch Mode	Description
/notes	Downloads all of the notes from each screen.
/exportnotes	Downloads all of the notes from each screen
	and exports them into SDRecorder.
/logdata	Downloads all log data from each screen.
/logdatanewonly	Downloads only log data that was not
	previously downloaded from each screen.
/trends	Downloads the .ctm files from the trends
	folder, which contain the trend lines, from
	each screen.
/database	Downloads each .sdf (database) file from
	each screen. TS Manager does not use this
	format, but it could be used for backup.
/device	Downloads files from the screen's device file
	and .cfg files. These contain configuration
	data for the screen setup. TS Manager uses
	the dw9xxx.cfg file to determine the names of
	the "Data" trendlines which can be found
	under "Data" in "Edit Chart". This function
	could also be used for backup.

 Table 1 - Batch Mode parameters and descriptions

APPENDIX A: Setting the IP Address on a device's Touchscreen

- 1. Obtain an IP address if necessary.
- 2. On your touchscreen, go to **Men**u and select Shutdown Application. This will take you back to a Windows CE desktop screen.
- 3. Click on the Windows **Start** button in the lower left hand corner.
- 4. Click on Settings.
- 5. Click on **Dial Up and Network Connections.**
- 6. You will see a few icons here. Tap on the icon that starts with the letters PCI and then some numbers.
- 7. You will see a window with tabs across the top.
- 8. Select the IP address tab.
- 9. Select the Radio button "Specify an IP address". Type in the Address, Subnet Mask and Gateway Address provided by your IT group.
- 10. Once you have the address set, Click **Back** on the Windows Start button.
- 11. Click on Programs.
- 12. Click on Advantech.
- 13. Click on **Registry Saver** and Save the registry. You should get a message that says "**Registry** saved successfully."
- 14. Reboot the screen by cycling power or tapping the reboot icon in the lower right hand corner (by the clock).

Revision History

Rev.	Description	Date	MCO #
-	Initial Release	03/27/2013	2118
А	Added instructions to set IP address on TS,	5/25/17	2214
	corrected inaccurate use of "controller" instead		
	of "screen" in Getting Started section		
В	Added interval info and tabular screenshot	8/20/2020	2298