OVERVIEW	
INSTALLATION	
CONNECTING WEDGE TO AN INDICATOR:	
TOOLBAR: FILE	4
TOOLBAR: DATABASE EXPLORER	5
TOOLBAR: TOOLS	5
TOOLBAR: HELP	6
HelpSend Feedback	
HelpWedge User Guide HelpAbout	7
SUMMARY WINDOW	
SET UP A SERIAL INDICATOR	9
RS232	
RS485	
SET UP AN ETHERNET CONNECTION	
RETRIEVING A SERIAL NUMBER FROM AN	INDICATOR 12
RECEIVING DATABASES	
VIEWING DATABASE	
MANIPULATING DATABASE	
EXPORT DATA	
Import Data	
SENDING A DATABASE	
DATABASE ERRORS	
DATA COLLECTION	
SETTING UP DATA COLLECTION FOR AN INDICATOR	

Standard Scale & Supply Company 313-255-6700 * dawright@standardscale.com

DATA FORMAT	
Enable Data Logger	
DATA TEMPLATE	
START DATA COLLECTION	
STOP DATA COLLECTION	
WEDGE ACTIVEX CLIENT	
Control Toolbox	
ACTIVEX CONTROLS	
VIEW CODE	
SAMPLE VBA CODE FOR EXCEL & ACCESS:	
Sample VBA Code for Excel: Sample VBA Code for Access:	
Sumple VDA Coue for Excel.	

Overview

The Wedge software was developed to help users upload and download database(s) to or from the 60 Series indicators, including the 675 and 672 indicators.

It can also be used to collect data from an indicator (i.e. Custom transmits) into a comma-delimited format (a database format). A program such as Microsoft Excel can then view this data.

The Power of ActiveX lets you view, write data at the same time, which is coming from an indicator into an Excel spreadsheet, Access Database.

Installation

There are 2 components of Wedge to be installed. First install **Wedge Server**. This is the main Wedge program.

Then install **Wedge Active X Client**. The Active X client allows you to manipulate data using Microsoft Visual Basic. This installation is optional.

Follow the prompts to install each piece of the software.

Connecting Wedge to an indicator:

The Wedge can be connected to the indicator(s) via RS-232, RS485 or Ethernet.

Serial RS-232: Connect the indicator to the computer through any available RS232 port using a standard RS232 cable.

RS-485: The indicator must be set up for this option. RS-485 option cards are available through GSE Scale Systems.

Ethernet: The computer and the indicator must be set up for this option. The Ethernet options can be purchased through GSE Scale Systems.

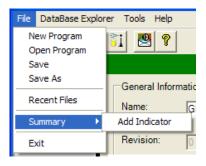
When using Wedge software, make sure that the indicator has the recommended firmware version. If it does not, it may look like it's working, but it will not have full functionality. Re-flash software and files can be downloaded from the web site: www.gse-inc.com

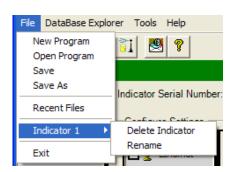
Toolbar: File

The File Menu is similar to windows. Within the File menu, the following choices are available:

New Program:	-Start a new application
Open Program:	-Open an existing application
Save:	-Save the current application
Save As:	-Save the application as a different name
Recent Files:	-Open the most recently used files
Summary > Add Indicator:	-Add an indicator to the Wedge list. Note that
	File menu shows Summary when SUMMARY
	is highlighted in the main window. Otherwise it
	shows the Indicator (see examples below)
Summary > Indicator:	-Delete or Rename the selected indicator. The
	Indicator option is only shown when the
	INDICATOR is highlighted in the main window.
	(See examples below)
Exit:	-Exit out of Wedge

Exit:





Toolbar: Database Explorer

The **DataBase Explorer** menu allows you to receive or send databases. This menu is discussed later in the *Wedge Reference Guide*.

DataBase Explorer	Tools	ŀ		
Receive Databas	e(s)	Ì		
Send Database(s)				

Toolbar: Tools

The **Tools...Options** menu gives a list of options.



- The **EventLog** options are only used for software troubleshooting.
- The **Enable/disable XP Themes** allows you to enable or disable any windows XP themes on the Wedge software.

Options
Enable/Disable XP Themes
EventLog Image: Second secon
T Database T Miscellaneous
Select All Unselect All
OK Cancel

Toolbar: Help

Wedge Help has a few options:

- To send feedback
- View User's guide
- Check the software details.

Help..Send Feedback

To send feedback to GSE Scale Systems regarding the Wedge program, click on **Help...Send Feedback**

Help		
Se	nd FeedBack	
	edgee User Guide (HTML) edgee User Guide (pdf)	F1 Ctrl+F1
Ab	out Wedgee	

Or the *Send Feedback* button



4	SMTP Server:	
ľ	From	[]
١	То	feedback@gsescales.spx.com
F	Subject	Wedgee FeedBack 1.0 (Build 4)
	Attachment	
	Send EMail	
ļ		
I		

Help..Wedge User Guide

To see the Reference Guides, Click on **Help...Wedge user guide** Or Click on the "?" button



Help..About

The **About Box** details the software name, version number, indicator firmware revision and the copyright.



Summary Window

To use database features of Wedge, the indicators must first be set up to upload and download databases. The indicators can be set up from the main **Summary** window. The Summary window is the first window that is opened when Wedge starts up.

By default, one (1) indicator is opened. The indicator is shown on the left side of the window. More indicators can be added.

The main summary window allows you to enter in general information about the indicator(s) you are connected to.

To name the application, type in the **Name** entry (A).

File DataBase Explorer Tools	Help			S	ummary	(A) Name the application here
E Indextor 1	General Info Name: Revision: Modfied On Comments:	Test Indicators	a test for the Wedgee enal and ethemet.	efm)		(B) Type Comments here
		ime 2 Test INdicator	Serial Number ???	Communication Serial	Communication Settings COM1,9600,8,0,N,None,0	

For application comments, type in the (B) **Comments** entry window.

To Rename an indicator,

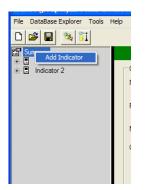
Highlight the indicator name on the left, and right-click the mouse. Click on **Rename.** Type in the new name for the indicator.

To Delete an indicator,

Highlight the indicator name on the left, and right-click the mouse. Click on **Delete Indicator**. The application must have a minimum of one indicator.

To add an indicator,

Highlight "Summary" on the left, and right-click the mouse. Click on **Add Indicator.**



Set up a Serial Indicator

RS232

If the computer and indicator are hooked up through an RS232 port, make sure to set up the PC Port Settings to match the indicator's port settings. The default settings are set up to match the default indicator settings. To change any of the settings click on the drop down box, and select the appropriate option.

File DataBase Expl	orer Tools Help							
D 😂 🖬 🔌	51 🕙 🔋							
Summary	Indicator Serial Number	,		Serial Number	Indicator 1			
	Serial	PC Port Settings Serial Port: Data Bits:	COM1 Eight	•	Baud Rate: Stop Bits:	9600 One	•	
		Parity: 	None	• Enabled	Handshake:	None	•	
		Address:		Disabled	Y			
		Line Delay durin	g transmissior	n: 0 🛨	MilliSeconds			

If the USB port is connected to the serial port, and an OVERRUN error occurs, change the Line Delay to 50ms or 100ms. This will slow down the information passing from Wedge to the indicator.

RS485

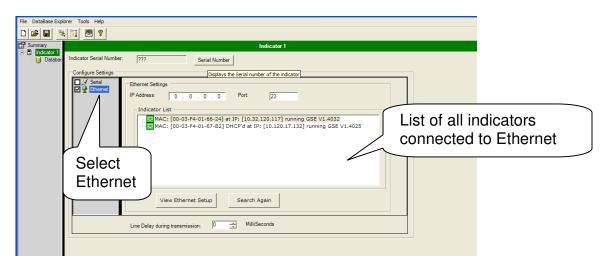
The RS-485 option allows multi-drop communications using RF wireless module hooked up to multiple indicators with different addressing. By having single adapter connected to the PC's comm. port, this software can talk to multiple indicators with RS-485 enabled.

To use a RS485 network with Wedge, Click on the **Enabled** button, and select an address from the drop-down box.

File DataBase Expl	T 1 111										
D 📂 🖬 🔌	6 📬 🕙 😵										
Summary					Indicator 1						
E Indicator 1	Indicator Serial Number	r: 060677	S	erial Number							
	Configure Settings										
	Serial	PC Port Settings Serial Port:	COM1	•	Baud Rate:	9600	_				
		Data Bits:	Eight	•	Stop Bits:	One	•				
		Parity:	None	•	Handshake:	None	•				
		C Disabled		Enabled				Select	Enal	oled	
		Address:		Disabled Disabled	-						
				4 5		~					
		Line Delay durin	g transmission:	6 7 8 9 10	econds			Select	RS48	5 addı	ress

Set up an Ethernet connection

If the computer and indicator are hooked up using an ethernet connection then click on Ethernet under Configure Settings.



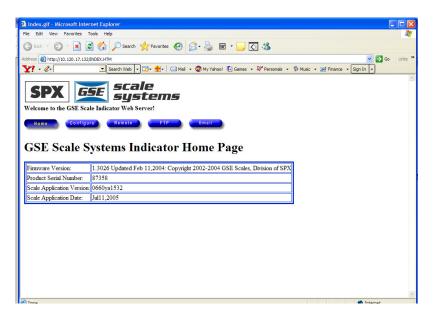
Once Ethernet is selected, the Ethernet settings window will be opened. A list of all available Ethernet connections to indicators is in the main window

If all indicators are not listed, check to make sure they are all connected and click on **Search Again**.

Once the correct Ethernet setting is found, type in the IP address in the top left box.

Summary	Indicator 1	
L 🕕 Databar	Indicator Serial Number: Configure Settings P Address: 10 , 120 , 17 , 132 Port: 23 Indicator List MACE: [00-03-F4-01-65-162] DHCP/d at IP: [10.120.17, 132] running GSE V1.4031 View Ethernet Setup Search Again Line Delay during transmission: 0 MilliSeconds	Type in the appropriate IP address and port

To view the Ethernet setup information about a particular indicator, click on the **View Ethernet Setup** button. The GSE Web Server website will open in a new window. The Ethernet can be verified or changed on this website.



Retrieving a serial number from an indicator

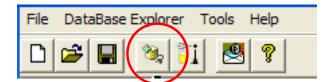
To retrieve the serial number of an indicator, click on the **Serial Number** button.

			Indic	ator 1					
Indicator Serial Number:	???		Serial Number						
Configure Settings			Displays the Seria	number of the indica	ator				
Serial	PC Port Settings								
	Serial Port:	COM1	-	Baud Rate:	9600	•			
	Data Bits:	Eight	•	Stop Bits:	One	•			
	Parity:	None	•	Handshake:	None	•			
	Line Delay during	transmission:	0 📫	MilliSeconds					
Indicator S	erial Numb	er:	08735	8		Serial Nu	ımber 🛛		

Wedge will get the serial number from the indicator and populate the entry window.

Receiving Databases

To receive a database, click on the **Receive Database** button



Or go to DataBase Explorer..Receive Database(s)



A new menu will open up. The first time a database is received from an indicator, ALL databases must be downloaded (received). Once the database(s) are downloaded into Wedge, databases can be selected to upload or download.

Verify the selections, and click on Continue >>

Receive Data	2-	
Details Name:	662 Test INdicator	
Status:	Connected	
Details:	10.120.17.132,23,0	
Database		
All Database	3	
C Currently Se	ected	
Cancel	(Continue >>

The data will download into the receive data window. Once all the data is received, this window will close and the information will be downloaded into Wedge.

Receive Data	
ENDorDDB 5,0697% = 0,0 Gross 0 122.00 19.00 ENDorDD ENDorDD ENDorDD 20,0 123.45.00 125.34.00 125.34.00 125.34.34 ENDorDD ENDORDD EN	
Downloading Data Cancel	

Viewing Database

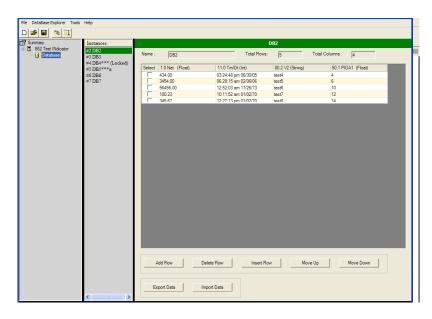
To view the database(s) click on database. If no databases have been received yet, Wedge will prompt you to "**Press the Receive Database Button**".

File DataBase Explorer Tools Help	
Summary Instances	No Data to Display
Database	
	Click on database to view
	the database(s)
	Wedgee Information
	Press the Receive Database button at the top
	OK

If database(s) have been received, they will be listed under **Instances.** In this example, there are 6 databases: #2 - #7.

A database can be LOCKED so that the user can view the data, but not change it. The locked database is specified by 3 asterisks (***).

To LOCK the database, when you name the database at Parameter 700, add *** to the end of the name. For example, to lock database 1 that's named "Truck ID", change the name to Truck ID***.



Manipulating Database

Once a database is downloaded into Wedge, the database can be managed. Unless the database is locked, you can:

Add Row:	-Add a row to the bottom of the database
Delete Row:	-Delete the selected row(s)
Insert Row:	-Insert a row above the selected row
Move up:	-Move the selected row up one
Move Down:	-Move the selected row down one.

Note: When editing the data,

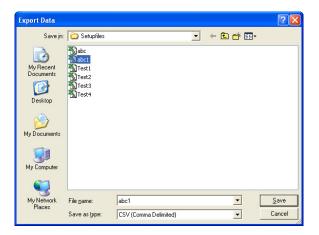
- Do not use double quotes (") in string values.
- Do not change the format of any date fields

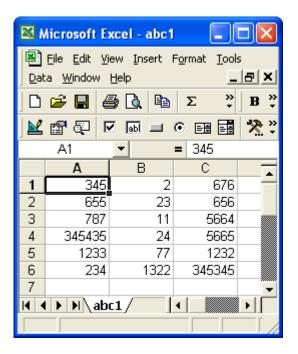
If you do, the data will not transfer to the indicator correctly.

Export Data

Any one of the databases can be exported as a comma delimited file. Once saved, a spreadsheet program, such as Excel or Access, can then open this file.

To export the database, Click on **Export Data**. Wedge will prompt to save the file.





Once the file is saved, you can open it in Excel (or Access). The data can be changed, and then sent back to Wedge.

Import Data

To Import data from a comma delimited file, such as Excel, click on the **Import Data** button in Wedge.

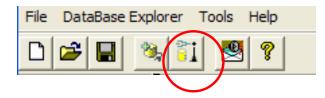
Import Data					? 🗙
Look jn:	C Setupfiles		-	← 🗈 💣 📰-	
My Recent Documents Desktop	abc abc1 Test1 Test2 Test3 Test4				
My Documents					
My Computer					
S					
My Network Places	File <u>n</u> ame:	Test2		•	<u>O</u> pen
	Files of type:	CSV (Comma Delimited)		•	Cancel

Select the correct file from the directory. The data will automatically import into Wedge. Once the data is imported, an information box will tell you that the database values were loaded successfully.

Name :	DB1	Total Rows:	5 Total Col	umns : 4
Select	99 None (String)	99 None (String)	99 None (String)	99 None (String)
	434.00	1120145088	test4	4
	3454.00	1139207295	test5	6
	56456.00	123123123	test6	10
	100.23	123112	test7	12
	345.67	131233	test8	14
	Wedgee Information	ded Succesfully :)	Success or Error will display here.	message

Sending a database

To send a database to the indicator, click on the **Send Database Seed Values** button



Or go to **DataBase Explorer..Send Database(s).**

Eile	<u>D</u> ataBase Explorer	<u>T</u> ools	Help
D	Receive Databas	e(s)	1
P 9	Send Database(s)	nsta

From the Send Data box, there are few options to send the database(s) to the indicator:

- Send all databases
- Send the current database
- Specify the database(s) to send.

Send Data	
Details	Indicator 1
Status:	Connected
Details:	COM1,9600,8,0,N,None,0
Database	
C All Databases	
Currently Selected	
C Specified	Note : Enter Database numbers and/or ranges seperated by commas. For example 1,3,5-12
Cancel	Continue >>

Remember, that if a database is locked, the values will NOT be updated in the indicator.

Send Data
18.7.0% 16.7.0% 1121821855,23.450 END₀DB
100 % Completed
Waiting for response from Indicator Cancel

If any errors occur, an information box will show an appropriate error message.

Database Errors

Below is a list of possible database errors

- Bad entry (invalid entry type)
- Invalid database specified (database not defined)
- Invalid column specified (column not defined)
- Record not found
- Not enough memory
- Checksum error (row contains corrupt data)
- List corrupt (bad link list of stored rows not intact)
- Operation aborted (i.e. search, print, sort, upload)
- ID too long (entry exceeds maximum string length)
- Data type mismatch
- Greater than maximum number of row allowed
- Invalid data type (string stored in numeric parameter; results in '0' stored for numeric parameter)
- Extra characters found (string characters found when numeric-only data was expected)
- Not enough columns / row received during database upload
- Too many columns / row received during database upload
- Greater than maximum number of columns found (likely due to missing <CR> at end of each data row)
- Value in column could not be recalled into the column's parameter (example: invalid parameter instance such as P90.1 where macro #1 is not menu enabled and therefore cannot be assigned a name).

Data Collection

To collect data, real time, from an indicator (usually through a custom transmit), use the Data Collection tool. It writes the data over an RS232 or Ethernet link to a .csv file. The data can be formatted to a comma-delimited format. The data can be saved to a file, or just tracked within Wedge's **Log Window**.

Setting up data collection for an indicator

To set up how the data will be collected, go to the indicator screen. The setup parameters are at the bottom half of the window.

Summary	Indicator 1 Indicator Serial Number: 7?? Serial Number	
	Configure Settings IP Address: 10,120,17,102 Port: 23 Indicator List Indicator List Indicator List Indicator List IMAC: [00-03:F4-01-66-1A] at IP: [10.120.17.36] running GSE V1.4025 MAC: [00-03:F4-01-66-24] at IP: [10.120.17.36] running GSE V1.4040 MAC: [00-03:F4-01-67-B2] DHCP'd at IP: [10.120.17.102] running GSE V1.4040 Indicator List	
	View Ethernet Setup Search Again Cline Delay during transmission: D 🚔 MilliSeconds	
	Delimiter: Comma Termination Character: #010 <lf> Enable Data Logger File Name:</lf>	
	Data Template Deter Column Det	

Change the parameters for the **Data Format**, the **Data Logger** and the **Data Template** as required

Data Format

To format how the data coming from the indicator is to be formatted (from text to a table format), use the Data Format parameters. The **Data Format** parameters ask for the delimiter and the Termination Character.

The choices for the Delimiter are:

- Comma
- Tab
- Semi Colon
- Space
- Other

If Other is specified, specify the character in the box to the right.

Data Format	
Delimiter: Other	Termination Character: #010 <lf></lf>
CE Enable Data Longer	

When Wedge receives the specified Termination Character from the indicator, then it will start a new line.

A common example would be to have the Termination Character set to a Carriage Return. Then every time the custom transmits sends a carriage returns, the data coming into wedge will start a new line.

The data will be collected in the Log Window at the bottom of the window.

Wedge - BETA unsavedfile DataBase Explorer Data Collection T	xds Help
😂 🖬 🔌 🏹 🔳 🛃 🕈	4
Summary Indicator Databa: Indicator Serial Number	Indicator 1
Databa: Indicator Serial Number	r. 777 Serial Number
Configure Settings	
Senal	Ethernet Settings
	IP Address: 10 . 120 . 17 . 36 Port: 23
	Indicator List MAC: [00-03-F4-01-66-24] at IP: [10.120.17.36] running GSE V1.4040
	Control for control and the front strand forming cost at some
	View Ethernet Setup Search Again
	Line Delay during transmission: 0 📑 MilliSeconds
Data Format	
Delimiter:	omma Termination Character: #013 <cr></cr>
Enable Data Logg	м
File Name:	
Data Template	
ID	Add Column Edit Column Insert Column Delete Column
name	
	†
	¥
>	
g Window	
pening All Valid Connections! 120.17.36.23.0 - Connection Opened Succ	setuly ()

Enable Data Logger

To save the incoming data to a file, enable the **DataLogger**, and provide a file name.

Enable Data L	.ogger
File Name:	C:\Program Files\GSE Scale Systems\Wedge Software\setupfiles\Test.CSV

Data Template

The **Data Template** allows you to format the incoming data into a table-format, including column headings.

Data Template	Add Column Edit Column Insert Column Delete Column
	<u>+</u>
	•

To add column headings, click on the **Add Column** button.

To change or edit a column heading, highlight the column you want to change and click on **Edit Column**.

To insert a column, highlight the column that's just below where you want to insert the column, then click **Insert Column**.

For example, to insert a column between ID and name, highlight name and click on **Insert Column**.

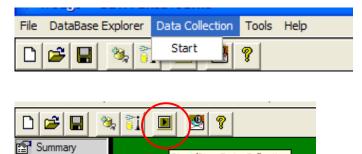
name	d Column Edit Column Insert Column Delete Column Column Name Default Name: Column 4 User Defined Name: Column 4	Click on Insert Column
	OK Cancel	Add the new column name

Data Template	
ID Inserted Column	Add Column Edit Column Insert Column Delete Column
name	 The inserted column in inserted before the originally highlighted column

To delete a column, highlight the column you want to delete, and click on **Delete Column.**

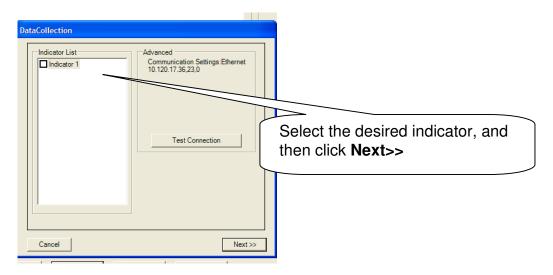
Start Data Collection

To start collecting data go to Data Collection in the toolbar, or click on the **Data Collection** button.



Start/Stop Data Collection

The Data Collection window will open. Select the indicator from the Indicator List, then click on the **Next>>** button.



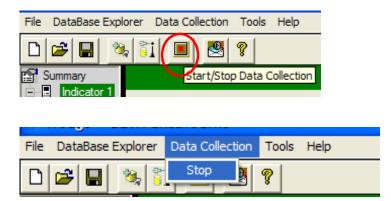
The Data Collection window will then show if the connection was successful. Click on the **Next>>** button.

DataCollection]
Validation Succesful!)	

The data will start being shown in the **DataLog** at the bottom of the window.

Stop Data Collection

To stop the data collection, click on the **Data Collection** button or the **Data Collection Menu...Stop**.



Wedge ActiveX Client

The Power of ActiveX lets you view, and write data at the same time, which is coming from an indicator into an Excel spreadsheet, or Access Database. ActiveX Client uses Visual Basic (VBA) commands supported by Microsoft office at the same time.

To use the Active X control, start Excel or MS Access.

Control Toolbox

If the control toolbox is not visible, turn it on by using the **View** menu. Go to the **Toolbars** submenu and select the **Control Toolbox** (it should have a check beside it if it is selected).

Excel - Book1	
View Insert Format Tools	Data Window Help Dup
Mormal Page Break Preview	х № - ∞ - ∞ 10 а = = = 1
Toolbars •	✓ Standard
✓ Eormula Bar	✓ Formatting
✓ Status Bar	Chart
Header and Footer	Clipboard
Comments	Control Toolbox
Ca Connents	Drawing
Custom Views	Exit Design Mode
🔲 Fyll Screen	External Data
<u>Z</u> oom	Forms
	Picture
	PivotTable
	Reviewing
	Visual Basic
	Web
	WordArt
	<u>C</u> ustomize

A toolbar with several control buttons should appear. These are the standard controls and tool buttons from Visual Basic in Excel.

 Control Toolbox 	×
🔛 🗗 🖓 🖬	🗄 A 🖾 🞘

Use the design mode button

1	- Contra	Toolbo	c		1	!		×
	🔛 🖻		🔲 📕	•		\$	Α 🖾	*
	Design N	lode						

To switch to design mode (it should change appearance when you click on it and the tool tip should read "Exit Design mode" now because it will exit design mode if you click on it again!)

- Control Toolbox								
Exit Design Mode								

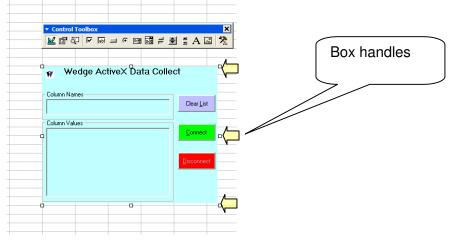
Once you are in design mode, click on the **More Controls** button (hammer and wrench).

 Control Toolbox Mathematical Structure Mathematical Structure	= 🛢 🖁 A 🗔	
		Tabular Davis Control TaskSymbol Class ThumbCtl Class TreeUI Control TrialEnd Class TSHOOTCtrl Class VideoRenderCtl Class Volo View CatalogView VpList Control VpStore Control WebViewFolderIcon Class Wedge.ActiveXDataCollect 178 controls

ActiveX Controls

A list of all of the ActiveX controls registered to the PC will appear. You should be able to scroll through the list and find '**Wedge.ActivexDataCollect**' control

To add a control, double click on the **Wedge.ActiveXDataCollect.** A copy of the control should then appear in the spreadsheet. (The box handles indicate that you are still in design mode and the control has focus)



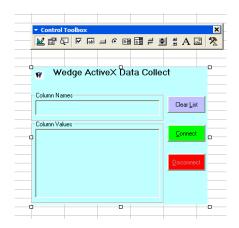
When the control has focus, you should be able to click on the **Properties** button (the finger pointing to the page) and the properties for the selected control should appear.

	Properties	X								3 dots t ge of A	to view	the
	ActiveXDa	ta ActiveXDataC 💌						поре	ityia	ye or P	CIVEN	
	Alphabetic	Categorized			Toolbox				×			
	(Custom) (Name)	ActiveXDataCollect1										
	AltHTML	ActiveAbatacollects										
	AutoLoad	False		\sim	operties							
	Enabled	True							0			
	Height	203.25		🕡 We	edge Ac	tiveX Da	ta Colle	ct				
	Left	288		.,								
_	Locked	True		ст. н.								
	Placement	2		Column Na	mes							
	PrintObject	True						Clear <u>L</u> ist				
	Shadow	False		I								
	Тор	192		Column Val	ues				_			
	Visible	True						Connect	o			
	Width	258.75	- 0									
		·										
								Disconnec	3			
								Disconnec				
				, 								
			-0			0			0			
_												
	<u> </u>											

Wedge.ActiveXDataCollect Properties	×
Configuration Screen	
During startup connect to Wedge Server	
Wedge Server IP Address:	
OK Cancel <u>A</u> pply	

The Wedge ActiveX Property page contains Configuration Screen that has 2 properties.

- **During startup connect to Wedge Server**: As the name implies this property will let the Wedge ActiveX Client try to connect to the Wedge Server during Startup if is running.
- Wedge Server IP Address: The Wedge ActiveX client can run in the same machine where the Server is running or in a different machine. For it to run in a different machine the user has to specify the IP Address of the PC on which Wedge Server is running before clickin the Connect Button.



View Code

The **View Code** (magnifying glass over a page) is used to write commands back (by using command button "click" events) to the indicator through the **Wedge.ActivexDataCollect.**

Click on the View Code button.



The display window will switch to a VBA code view. The cursor will appear in the command button code area.

It will read something like:

"Private Sub ActiveXDataCollect1_FireRealDataValues(ByVal strScaleName As String, ByVal arrValues As Variant)".

The cursor will be inside this code area.

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ThisWorkbook End Sub	
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You can now write code to execute the required command. This is standard VB syntax for code written for any ActiveX control.

To return to the Excel spreadsheet, click on the **Excel** button on the toolbar under the menu bar.

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Once you have added all the controls and code that you wish to use, exit the design mode by clicking on the Design Mode button again. Click the **Connect button** that takes the ActiveX control to "live" mode and you should receive data.

Sample VBA Code for Excel & Access:

Below are examples of Visual Basic code. One is for Excel, and the next one is for Access.

Sample VBA Code for Excel:

Dim nSheetRow1 Dim CellRange Dim RowCount, ColumnCount Private Sub ActiveXDataCollect1_FireColumnNames(ByVal strScaleName As String, ByVal arrColumns As Variant) Dim FirstCol As Integer

Dim nColRow As Integer Dim strColName As String FirstCol = 1 nColRow = 1 Dim element As Variant For Each element In arrColumns strColName = element Sheet1.Cells(nColRow, FirstCol) = strColName FirstCol = FirstCol + 1 Next element End Sub

Private Sub ActiveXDataCollect1_FireRealDataValues(ByVal strScaleName As String, ByVal arrValues As Variant) Dim StartCol As Integer Dim strColVal As String StartCol = 1 Set CellRange = Sheet1.UsedRange RowCount = CellRange.Rows.Count ColumnCount = CellRange.Columns.Count

If nSheetRow1 = 0 Then nSheetRow1 = 2 End If If nSheetRow1 = RowCount Then Debug.Print "Reached Maximum" GoSub 1 End If Dim element As Variant For Each element In arrValues strColVal = element Sheet1.Cells(nSheetRow1, StartCol) = strColVal StartCol = StartCol + 1 Next element nSheetRow1 = nSheetRow1 + 1 Worksheets("Sheet1").Activate

ActiveWindow.SmallScroll down:=1 1: 'Don't do anything End Sub

Private Sub ActiveXDataCollect1_FireServerStatus(ByVal bRunning As Boolean) If (bRunning = False) Then Debug.Print "Server is Down" End If End Sub

Sample VBA Code for Access:

Option Compare Database Private Sub GeneralInfo1_FireRealDataValues(ByVal strScaleName As String, ByVal arrValues As Variant) Dim db As DAO.Database Dim rs As DAO.Recordset

Set db = CurrentDb Set rs = db.OpenRecordset("General") If (rs.RecordCount > 0) Then rs.MoveLast End If

rs.AddNew rs("ScaleName") = strScaleName Dim element As Variant Dim strTemp As String For Each element In arrValues If strTemp = "" Then strTemp = element Else strTemp = strTemp + "," + element End If Next element rs("ScaleValues") = strTemp rs.Update rs.Close db.Close End Sub

Private Sub GeneralInfo1_FireServerStatus(ByVal bRunning As Boolean) If (bRunning = False) Then MsgBox "Server is Down" End If End Sub