## ComSniff Usage

Download the ComSniff Utility by clicking on this link: <u>ftp://ftp.comtrol.com/contribs/utilities/comtrol/comsniff/comsniff\_utility\_1.04.msi</u> ComSniff will capture to a log file, all of the communications between the application that collects the serial data, and the Comtrol driver.

Save the file to your favorite save folder.

Once saved, run the msi file to install the utility.







If desired, change the default installation folder. Click "<u>N</u>ext>".



🛃 ComSniff Utility Setup	$\mathbf{X}$
Configure Shortcuts Create application shortcuts	<b>COMTROL</b>
Create shortcuts for ComSniff Utility in the following locations:	
✓ Desktop	
V Start Menu Programs folder	
Advanced Installer	
< <u>B</u> ack Nex	t > Cancel

Select the desired options. Defaults are shown here. Click "<u>N</u>ext>".





## Click "Install"

Click "Finish"



You will be presented this blank window.

At this point you will need to stop the application that is collecting data from the serial port if you have not already done so.

← ComSniff		
File View Help		
New Capture Window Ctrl+N	1 / C 1	
Open Ctrl+O		
Print Setup		
Exit		
Create a new Capture Window		NU IM

Click on the file drop down menu and select "New Capture Window"

Open ports	Open ports	
COM1 : RpshSi19 COM2 : RpshSi20 COM3 : RpshSi21 COM4 : RpshSi22 COM5 : RpshSi23 COM6 : RpshSi24 COM7 : RpshSi25 COM8 : RpshSi26 COM9 : RpshSi27 COM10 : RpshSi28 COM11 : RpshSi29 COM12 : RpshSi30	COM1 :: RpshSi19 COM2 :: RpshSi20 COM3 :: RpshSi21 COM4 :: RpshSi22 COM5 :: RpshSi23 COM6 :: RpshSi24 COM7 :: RpshSi25 COM8 :: RpshSi26 COM9 :: RpshSi27 COM10 :: RpshSi28 COM11 :: RpshSi29 COM12 :: RpshSi30	OK Cancel

Select the com port you wish to capture by highlighting and pressing "OK".



Default settings will work in most cases. Your Comtrol Support Representative may ask you to change some of these in certain situations.

You may use the help file to see the options and what they do by clicking on the Help Drop Down menu or by using the F1 key.

The ComSniff utility may now be minimized if desired.

Start your application and run until the issue is presented. Close your application

Please note: It is important that the application is started and stopped <u>while</u> ComSniff is running, as this will show the port Open and Close calls from the application to confirm that these processes are correct.

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File	Edic Capture	<u>O</u> ptions <u>w</u> indow <u>r</u>					
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4	1 0.0000838	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
4	2 0.00001173	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
4	3 0.00001034	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
4	4 0.00001034	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
4	5 0.00001173	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
4	6 0.00001006	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
4	7 0.00001229	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
4	8 0.00001453	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
4	9 0.00000754	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
5	0.00001062	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
5	0.00001201	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
5	0.00001145	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
5	3 0.00000838	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
5	4 0.00000643	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
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5	6 0.00001425	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
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5	8 0.00000587	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
5	9 0.00001117	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		_
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6	1 0.00000475	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
6	2 0.00000559	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
6	3 0.00000643	WCom2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
6	4 0.00000754	WCom2.exe	IRP_MJ_CLEANUP	RpshSi23	SUCCESS		
6	5 0.01977430	WCom2.exe	IRP_MJ_CLOSE	RpshSi23	SUCCESS		×
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ComSniff will have captured data looking something like this.

ComSniff - COM5							
File Edit Capture Options Window Help							
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47 0.00001229	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
48 0.00001453	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
49 0.00000754	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
50 0.00001062	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
51 0.00001201	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
52 0.00001145	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
53 0.00000838	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
54 0.00000643	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
55 0.00000866	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
56 0.00001425	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
57 0.00000531	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
58 0.00000587	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
59 0.00001117	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		_
60 0.00001425	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
61 0.00000475	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
62 0.00000559	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
63 0.00000643	WCom2	2.exe	IOCTL_SERIAL_GET_COMMSTATUS	RpshSi23	SUCCESS		
64 0.00000754	WCom2	2.exe	IRP_MJ_CLEANUP	RpshSi23	SUCCESS		
65 0.01977430	WCom2	2.exe	IRP_MJ_CLOSE	RpshSi23	SUCCESS		×
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Save the active documer	nt with a new r	name				NUM	

From the "File" drop down menu Select "Save As..."

Save As						2 ? 🛛
Save in:	ComSniff Utility	   	•	← 🗈	💣 🎟 -	
My Recent Documents Desktop						
My Documents						
My Computer						
<b></b>	File <u>n</u> ame:	case1234			•	<u>S</u> ave
My Network Places	Save as <u>t</u> ype:	ComSniff Data(*.log)			-	Cancel

Use your case number as the file name. Click "Save"

Close ComSniff Send the log file to your Comtrol Support Representative.

If you would like to uninstall ComSniff

Open Control Panel and Select the "Add or Remove Programs" applet.



## Locate the ComSniff Utility and select "Remove"



Respond "Yes"