

Hyper Terminal for Windows Vista/7 Launching and Configuring for Communication with ESI Controls

Date: March 2, 2010

Revision: a

Summary

These are step by step instructions for downloading, launching, and configuring Hyper Terminal in Microsoft's Windows Vista and 7 allowing for serial communications to either an R2D7 or and RQ BRIDGE

Procedures

In order to communicate via serial connection to either the R2D7 or the RQ BRIDGE, there must be a functioning COM port configured on the PC.

In general, if there is a DE9 (commonly referred to as a DB9) connection on board the computer, it is *usually* assigned to COM1.

If a USB to Serial adaptor is to be used, drivers for the adaptor must be installed and the adaptor's COM Port must be known. This can be discovered through the Device Manager.



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Device Manager:

Go to the START menu and choose Control Panel then select System





Select Device Manager from the left side under Tasks

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	View basic information	an about your computer		
Device Manager	Windows edition			
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In Device Manager, select Ports (COM & LPT) from here the USB to Serial Port will be visible. This can also be done to double check the on-board COM Port assignment.



In the example above, the USB to Serial adaptor is on COM3 and the on-board DE9 is on COM1



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Installing Hyper Terminal:

Download Hyperterm for Vista: Please visit our website at here: <u>http://www.elec-solutions.com/images/stories/Downloads/Software/hyper_term.zip</u> and download the .zip file to your computer.



Extract all files from the .zip to your desktop (or other desired location)

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Open the folder named "hyperterm" and launch hyperterm.exe

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Set up new connection: You may name the connection anything you wish

Connection Description
New Connection
Enter a name and choose an icon for the connection:
Name:
ESI RQ Connection
lcon:
۰ III ا
OK Cancel

For a direct connection select the appropriate COM Port

ESI RQ Connection Properties
Connect To Settings
ESI RQ Connection Change Icon
Enter details for the phone number that you want to dial:
Country/region: United States (1)
Enter the area code without the long-distance prefix.
Arga code: 303
Phone number:
Cognect using: COM1 COM1 COM1 COM3 TCP/IP (Winsock)
Detect Carrier Loss Jule country/region code and area code Bedial on busy
OK Cancel

For an indirect connection via a known IP address for a serial to Ethernet adaptor such as the Sena LS 100, choose the TCP/IP (Winsock) from the drop down menu.

Connect To						
ESI RQ Connection						
Enter details for the phone number that you want to dial:						
Country/region: United States (1)						
Enter the area code without the long-distance prefix.						
Area code: 303						
Phone number:						
Connect using: COM1						
Detect Camer Loss ✓ Use country/region code and area code Redial on busy						
OK Cancel						

Select OK



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COM PORT Properties: 9600 bits/sec, 8 data bits, No Parity, 1 stop bit Software Flow Control: XOn/XOff

COM3 Properties	? 📈
Port Settings	
Bits per second:	9600 👻
<u>D</u> ata bits:	8 🔹
<u>P</u> arity:	None 👻
Stop bits:	1
Eow control:	None Von / Xoff
	Hardware None <u>R</u> estore Defaults
	K Cancel Apply

If at this time, you are unable to type into the blank window, follow these steps:

- 1 Go to the file menu of Hyper Terminal
- 2 Select "Properties"
- 3 Go to the Settings tab
- 4 Select "ASCII Setup..."
- 5 Check every box

Connect To Settings	ESI RQ Connection Properties
Function, arrow, and ctrl keys act as Image: Comparison of the set of the se	ASCEI Setup
Backspace key sends © Qrf+H © Qel © Qzf+H, Space, Qrf+H	ASCII Sending
Emulation: Auto detect Terminal Setup	Br Character delay: 0 milliseconds.
Tel <u>n</u> et terminal ID: ANSI	Te ASCII Receiving
Backscroll buffer lines: 500 -	Force incoming data to 76t ASCII Wrap lines that exceed terminal width
Input Translation	OK Cancel
OK Cancel	OK Cancel

Select OK

Conclusion

If these steps are followed correctly and the hardware has been properly wired with appropriate cables, communication with either the R2D7 or the RQ BRIDGE should be imminent.

Resources

RQ Systems: Quick Set Up Guide RP Systems: Quick Set Up Guide RQ Basic Implementation Guide