How to Wirelessly Surf the Internet on your

TUNGSTEN™ T ™

Handheld via Bluetooth™

For Windows XP RAS
Version 1.2
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www.palminfocenter.com
forums

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Section 1: Desktop Configuration

This section instructs you how to configure your desktop. This is the basic configuration that works for most people with broadband internet connections, or LANs that use DHCP to assign IP addresses.

If your LAN uses manual IP addresses, you will need to find an open IP for your Tungsten (check with your Network Administrator) and follow the steps in the **Troubleshooting** section on how to configure your desktop to allow for your handheld to have a manual IP.

Step 1: Go into your Bluetooth Software and set all of the Local Services except Bluetooth Serial Port to manual.
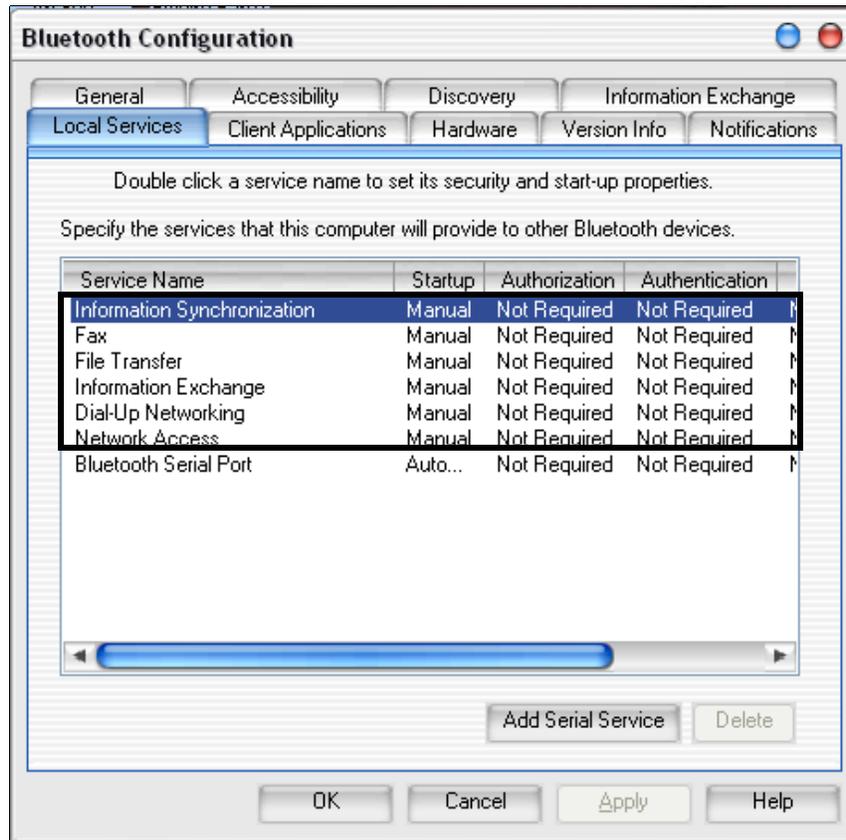

Take note of which COM port that the Bluetooth Serial Port driver is set to.
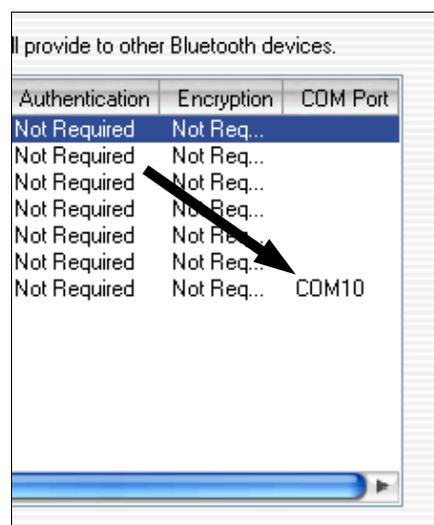
Step 2: Go into Client Applications in the configuration software, and delete Bluetooth Serial Port.

Step 3: Go to Control Panel. Then go to Phone and Modem Options.
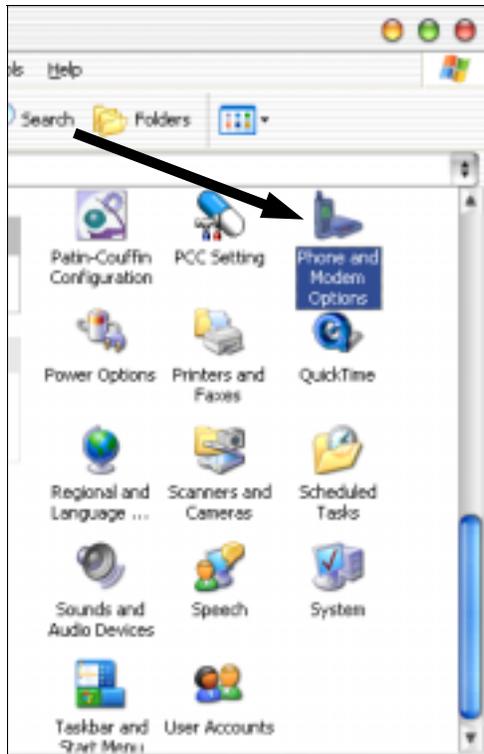
Click on the Modems Tab.
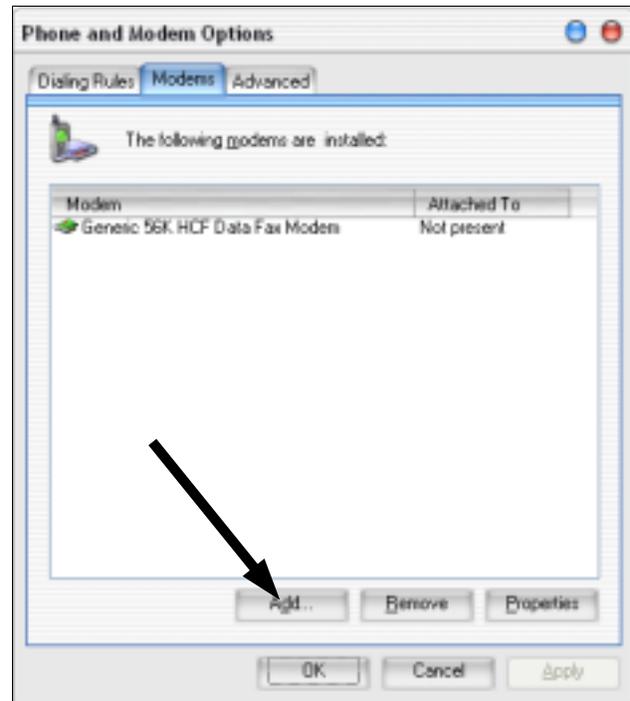

Step 4: Click on Add. Check the "Don't Detect my modem; I will select it from a list." Then click "Next."
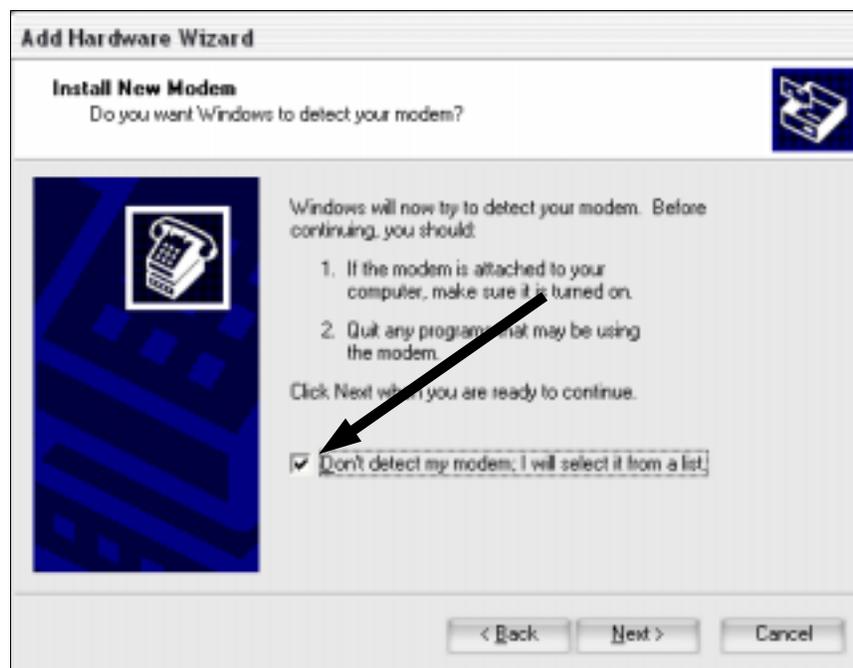
Step 5: Under (Standard Modem Types), choose "Communications cable between two computers, then click "Next."
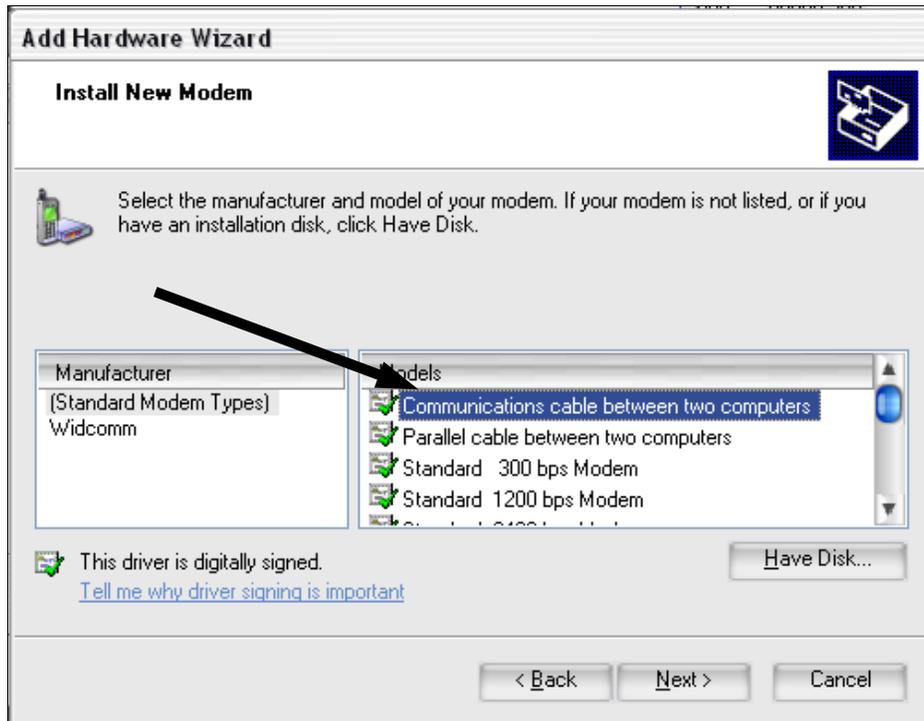
Step 6: Choose the COM port of the Bluetooth Serial Port driver that we noted earlier.
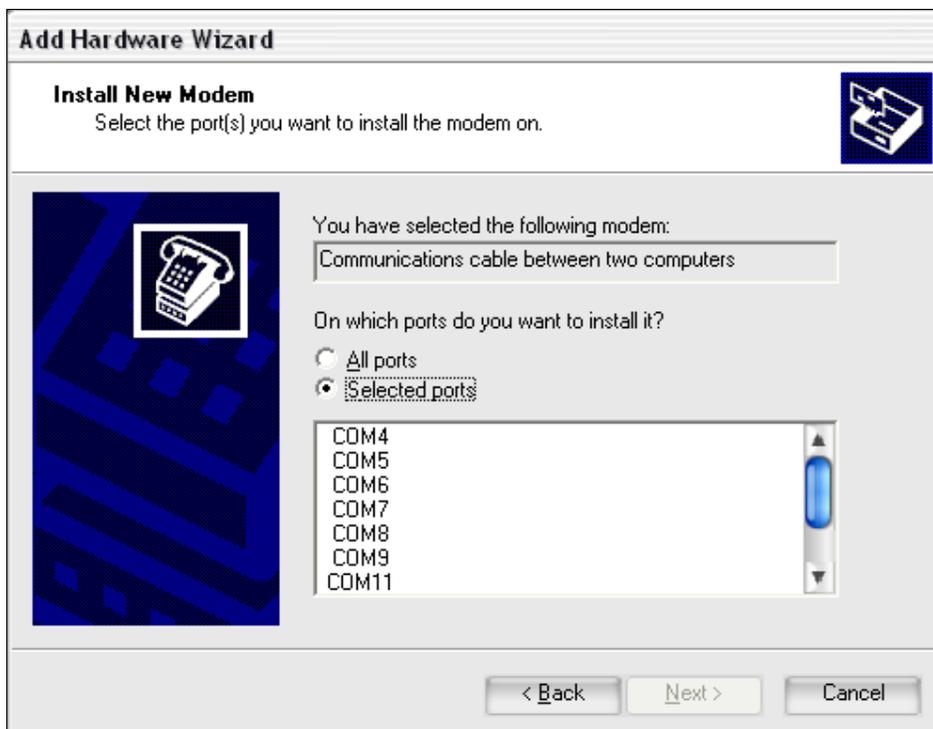
Then just click "Next." Once it finishes installing the "modem", click "Finish."
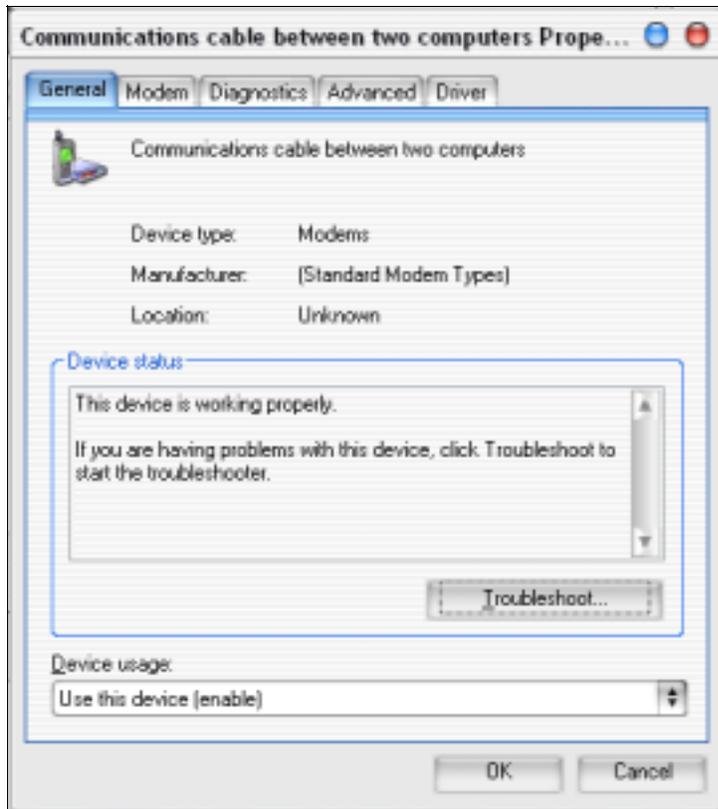
Step 7: Now go into Phone and Modem properties, and click on the Modems Tab. Once in there, double click on the "Communications cable between two computers" to bring up it's properties.

Step 8: Click on the Modem tab and set the maximum port speed to 115200.
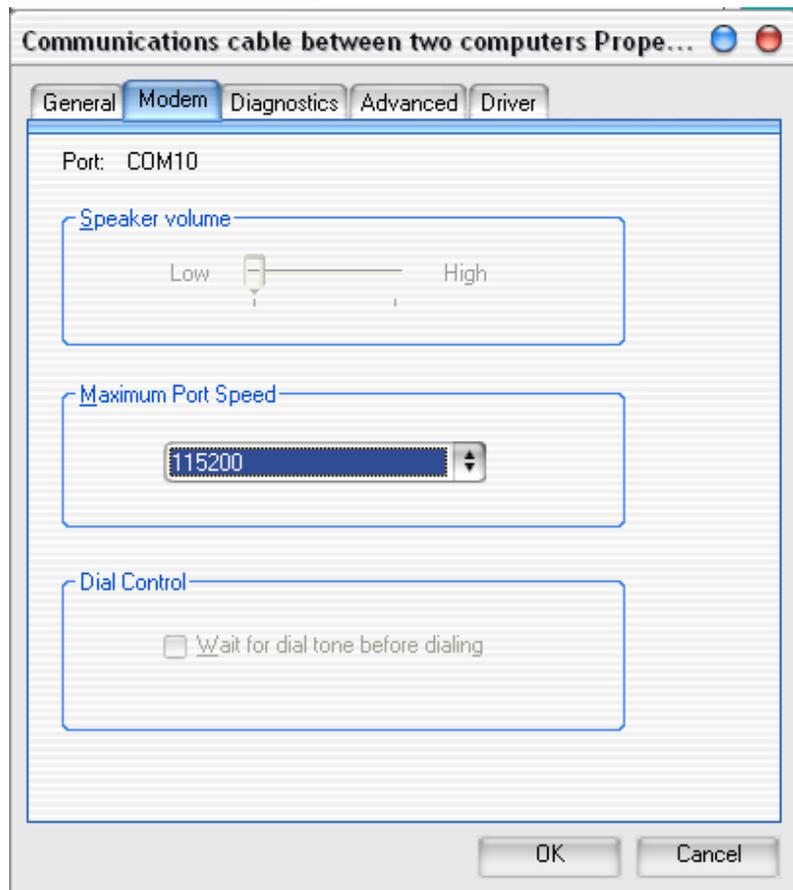
Step 9: Go into Network Connections and go to Create a new connection

Network Tasks

Create a new connection

Set up a home or small office network
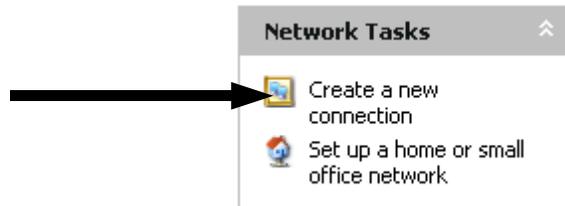
Step 10: Click next at the first dialog, in the next one, choose Setup an advanced connection then click next.

⊙ **Set up an advanced connection**

Connect directly to another computer using your serial, parallel, or infrared port, or set up this computer so that other computers can connect to it.
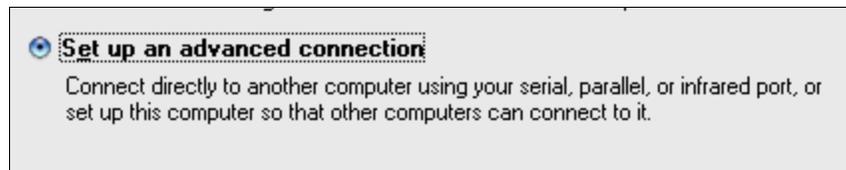
Step 11: Choose Accept incoming connections.

Select the connection type you want:

⊙ **Accept incoming connections**

Allow other computers to connect to this computer through the Internet, a phone line, or a direct cable connection.
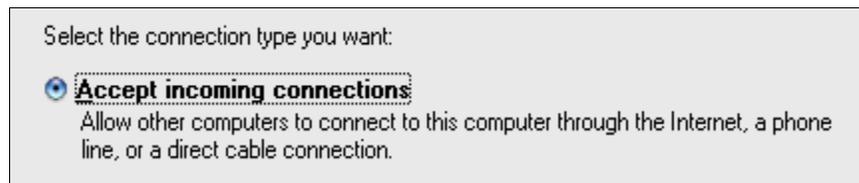
Step 12: Check off the "Communications cable between two computers", then click next.

Select the check box next to each device you want to use for incoming connections.

Connection devices:

☑ Communications cable between two computers (COM10)
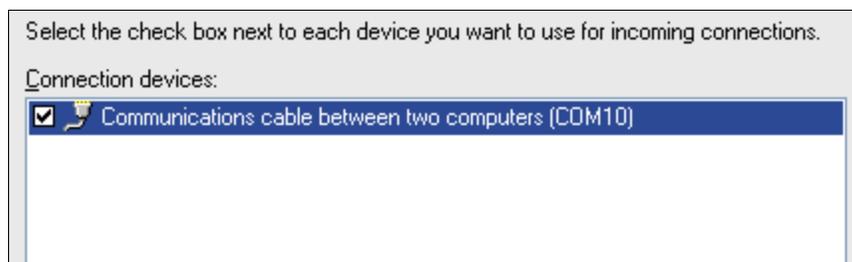
Step 13: Make sure that "Do not allow virtual private connections" is selected. Then click next.

Do you want to allow virtual private connections to this computer?

○ Allow virtual private connections

⊙ Do not allow virtual private connections
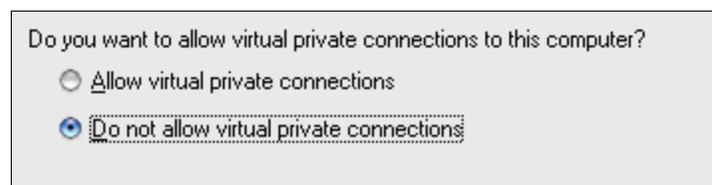
Step 14: You need to select the users who will have permission to log on through this connection. So you must have a user login with a password for this method to work properly (you may create the login after setup is complete and return to the connections properties to edit these settings).

Select the check box next to each user who should be allowed a connection to this computer. Note that other factors, such as a disabled user account, may affect a user's ability to connect.

Users allowed to connect:

☐ 👤 Administrator
☐ 👤 Guest
☐ 👤 HelpAssistant (Remote Desktop Help Assistant Account)
☑ 👤 Troy (Troy)
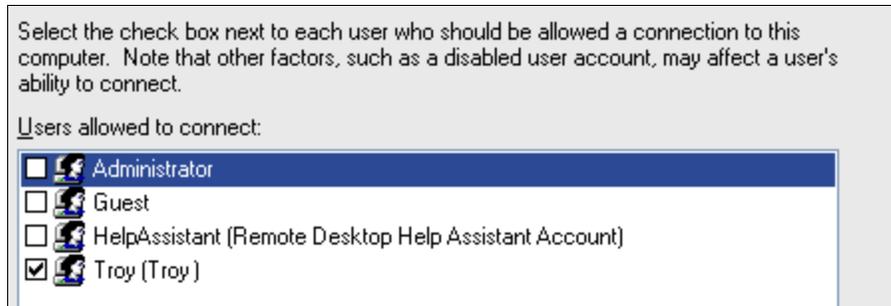
Step 15: Click next for the next screen, and this will bring you to the finish screen. Congratulations, you've finished the necessary steps to setup your desktop. All that is left is to restart your computer.

Section 2: Configuring your

TUNGSTEN™ | *T* ™

Here you will learn how to configure your handheld to work with the connection you created in Section 1. This is the basic configuration that works for most people with broadband internet connections, or shared internet connections from another computer or router.

If your LAN uses manual IP addresses, you will need to find an open IP for your Tungsten (check with your Network Administrator) and follow the steps in the **Troubleshooting** section on how to configure your handheld to use a manual IP.

Step 1: Go into Prefs and Communication.
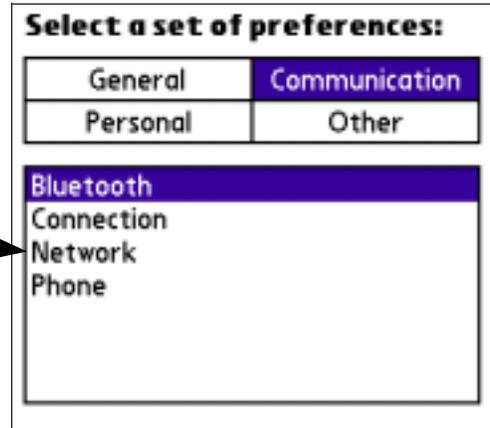

Step 2: Select Network.
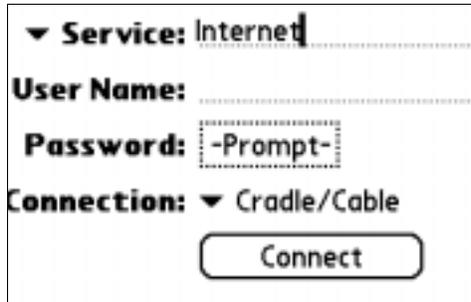
Step 3: Now create a connection, naming it some-thing. For my example, I'm going to use Internet.

Step 4: Fill in the User name and password
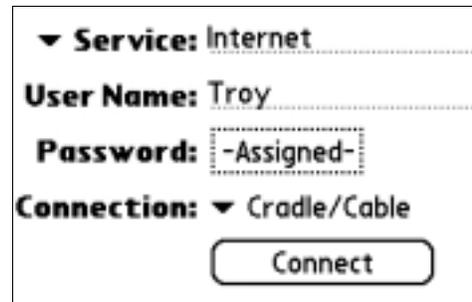
Step 5: Go to Connection, and choose edit connections, tap New
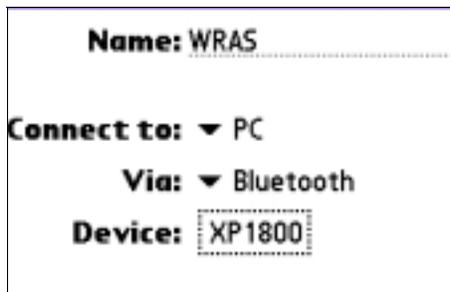

Step 6: Name the new connection "WRAS", under "Connect to" choose PC then tap "Via" and select Bluetooth. Then tap "Tap to find" and choose the computer you want to connect through.

Step 7: Tap Details and change the speed to 115,200 bps

Speed: ▼ 115,200 bps

Flow Ctl: ▼ Automatic

Step 8: Tap "Ok", and 'Ok' again, then tap Done to return to the Network connection window

Step 9: Select the connection we just created, then tap "Details", make sure the "Connection type" is "PPP", the idle timeout is "Never" and that "Query DNS" and "IP Address" are both checked.

Connection type: ▼ PPP

Idle timeout: ▼ 1 Minute

Query DNS: ☑

IP Address: ☑ Automatic
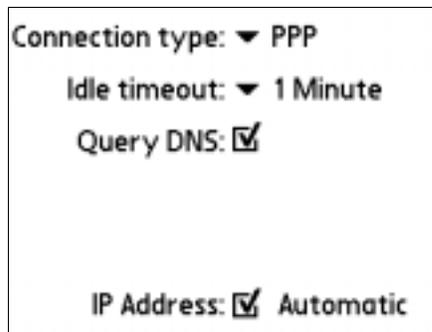
Step 10: Now tap Script and tap End, choose Send then make the script look like this.

Send: CLIENT
Send: CLIENT
Wait for: CLIENTSERVER
End:

▼ Send: CLIENT|
▼ Send: CLIENT
▼ Wait For: CLIENTSERVER
▼ End:
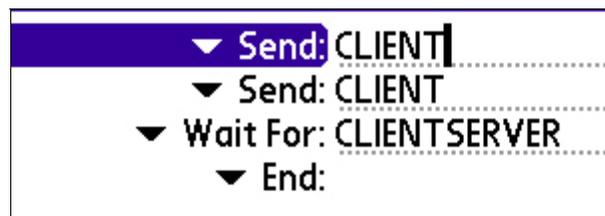
Congratulations!
You have now finished setting up
wireless access to
the internet through Bluetooth for your
Palm™ Tungsten™ T PDA.

Section 3:
How To Network
Sync™ over Bluetooth™

This section instructs you how to configure your handheld to Network Sync™ over the Bluetooth™ connection you created.

Step 1: On your Tungsten, go to the HotSync App. Set Modem Sync Preferences to "Network"

Step 2: Set Modem Sync Preferences to "Network"
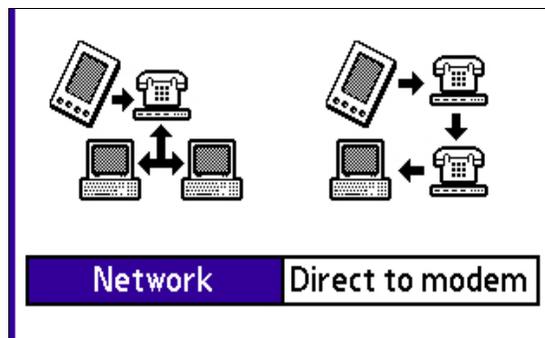
Step 3: Under LanSync set it to "LanSync"
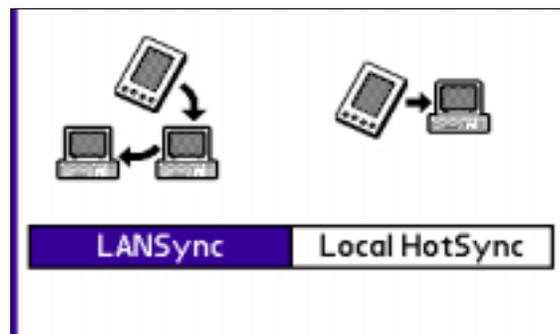
Step 4: On your desktop, right click on the hotsync icon in the   system tray and click on N̲etwork.

Step 5: A dialog box will pop up asking you to choose a user to network hotsync and to configure the TCP/IP settings
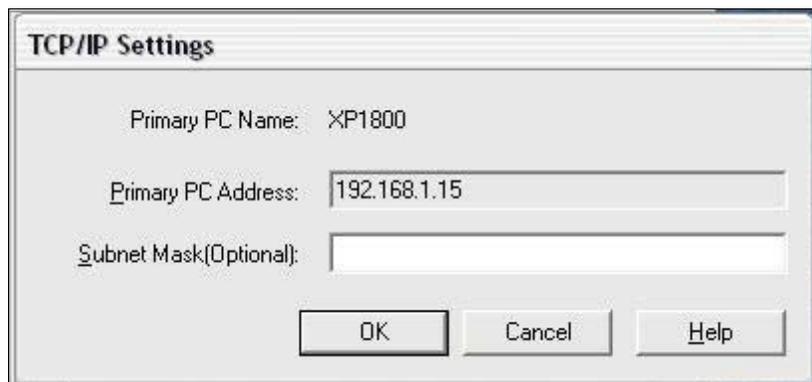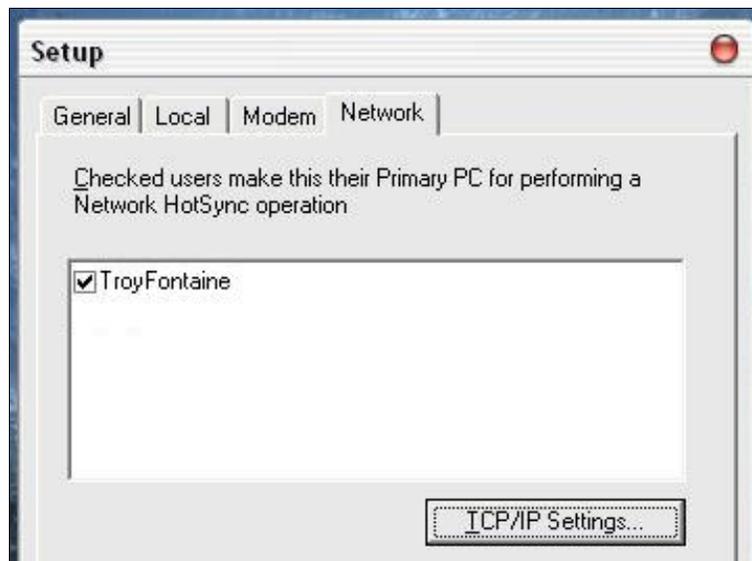
Step 4: Once your desktop is configured, the necessary Primary PC information will be sent to your Tungsten on the next HotSync. Please Note: Due to a bug in the current version of Network HotSync (Version 4.0) it is necessary before every HotSync to delete the Primary PC Name.

Primary PC Name:

....

Primary PC Address:
192.168.1.15

Subnet Mask(optional):
255.255.255.0

Step 5: At the main HotSync screen choose "Modem".

Last HotSync 1/2/03, 6:35 pm using Cradle/Cable

Local Modem

▼ Cradle/Cable

(Log) (Help)
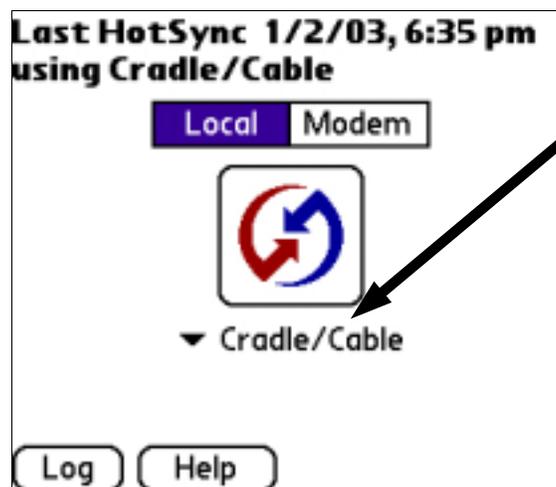
Tap the choose network area. Choose the connection you created earlier.

Step 6 (Optional): If you would like to Network HotSync through a firewall, configure your firewall to allow traffic through **TCP port 14237 and UDP port 14238. If using a router, follow its   instructions on how to forward those ports to the desktop that you wish to HotSync with.**

Congratulations, you have now finished configuring your Tungsten to network HotSync.

Troubleshooting: A Variety of Tricks

In this section, we'll go over several settings on the desktop and the handheld attempting to solve any connection problems that may be occurring.

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If at this point your connection does not work, it may be due to several factors. If you are using a Router, you may have to manually assign an IP to your handheld.

If it still does not work, you can try to set the Tungsten's DNS settings.

If at this point your connection does not work, it may be due to several factors. If you are using a Router, you may have to manually assign an IP to your Palm (and/or the DNS's IP). If your ISP does not automatically assign IP addresses (DHCP) or allow you to use more than 1 IP address, then you may be unable to utilize RAS without a Router. Some people have reported issues relating to their router being incompatible with the RAS method, the only method to determine which one works though is by trial and error.

# How to manually assign an IP address to your Tungsten T ™

Step 1: Go to Network Connections, right click Incoming Connections and go to Properties
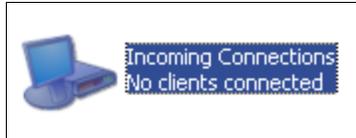
Step 2: Click on the Networking Tab, and click on Internet Protocol (TCP/IP) then click on Properties.
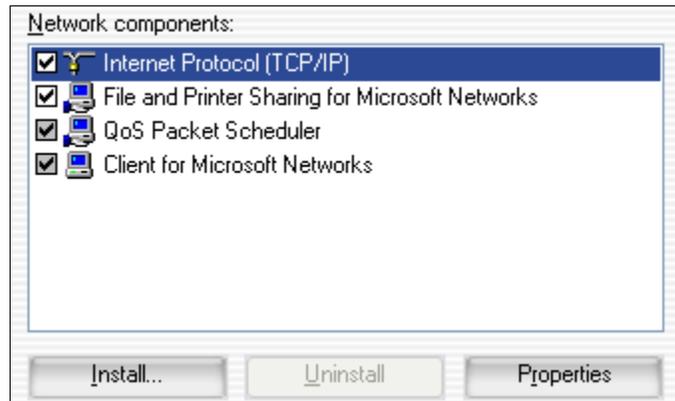
Step 3: Click on "Specify TCP/IP addresses and set a few aside for the Palm. As well, check off "Allow calling computer to specify its own IP address".
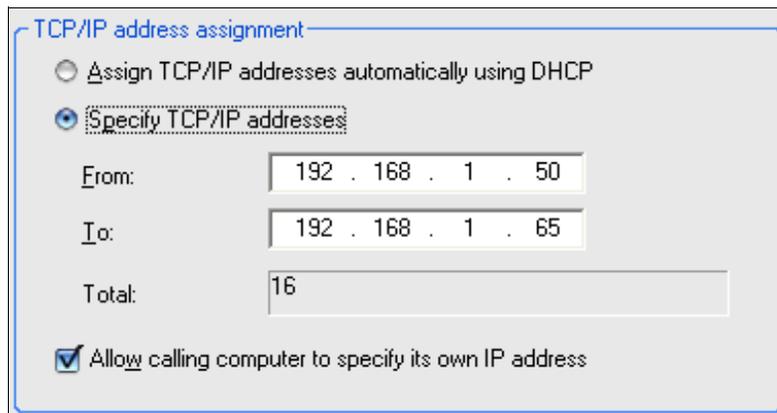
Restart Windows.

Step 4: On your Tungsten™ T, go to 'Prefs", "Communication" and then Tap on "Network".

Step 5: Choose your Bluetooth Connection, and tap "Details".

Step 6: Uncheck 'IP Address Automatic" and then enter an IP address that is within the range you set in the "Incoming connections" TCP/IP configuration.

How to set your Tungsten T™'s DNS addresses

Step 1: To determine your DNS's IP address go to Network Connections and right click on your Internet connection, and choose "Status."

Step 2: Click the tab labeled "Support." Next, click on "Details" Write down the DNS IP addresses.