

# Connect 2 Windows XP laptops without cables

Connecting two laptops, or connecting two computers without cables you will need to go through several setup steps. To connect 2 desktops, 2 computers must have a WiFi transceiver.

**Do you think you and your colleagues in the agency can share data, chat or play together easily? Actually, with 2 laptops with wireless and Windows XP operating system, you can do this without going through a network.**

Most laptops have wireless (wireless) connectivity, so two laptop computers in the same organization can completely network with each other to work together without having to purchase another device. Any other. There are 2 ways to do this.

## Method 1: Create ad-hoc networks with integrated computers

This method is only available for laptops, desktop computers capable of receiving and transmitting WiFi. Ad hoc networks need at least 2 computers, in this example we will use two computers, named computers A and B.

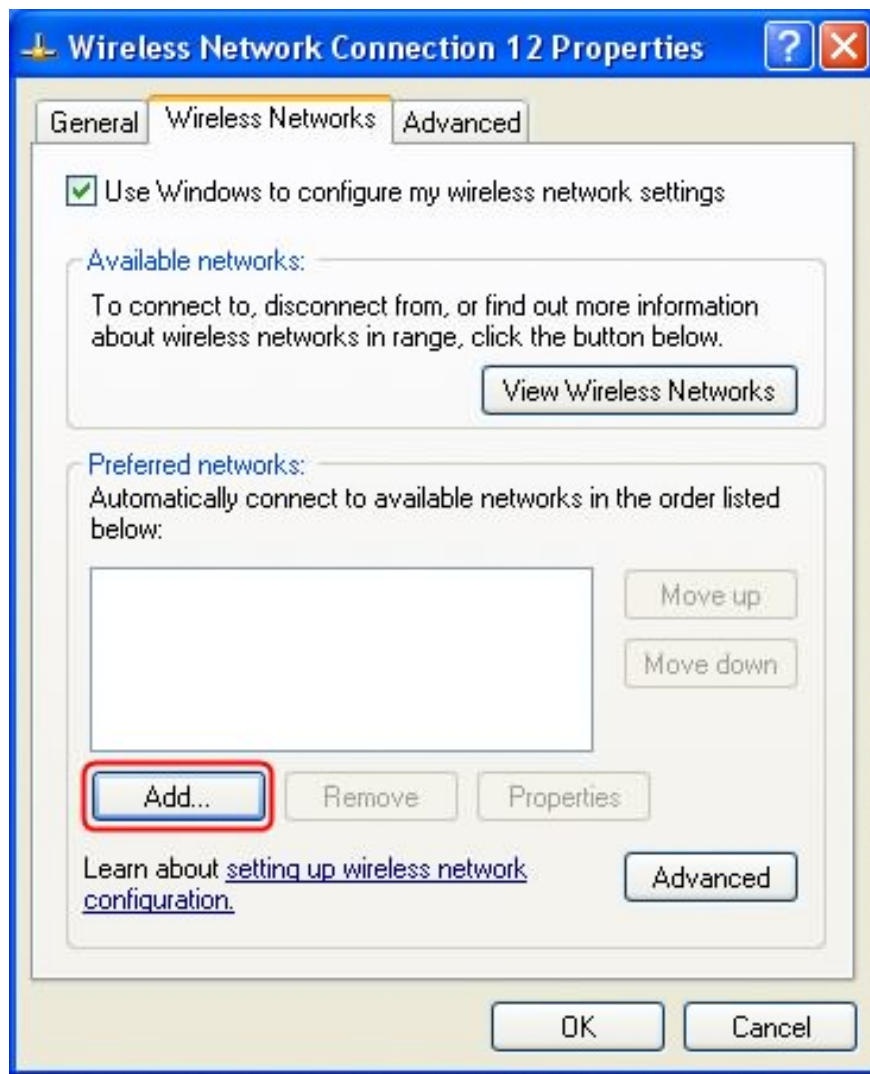
NOTE: Before proceeding, please ensure that Windows Zero Configuration (WZC) service has been started. If you are not sure about this, [click here](#) to check the installation.

### Part 1: Create an Ad Hoc network configuration on computer A

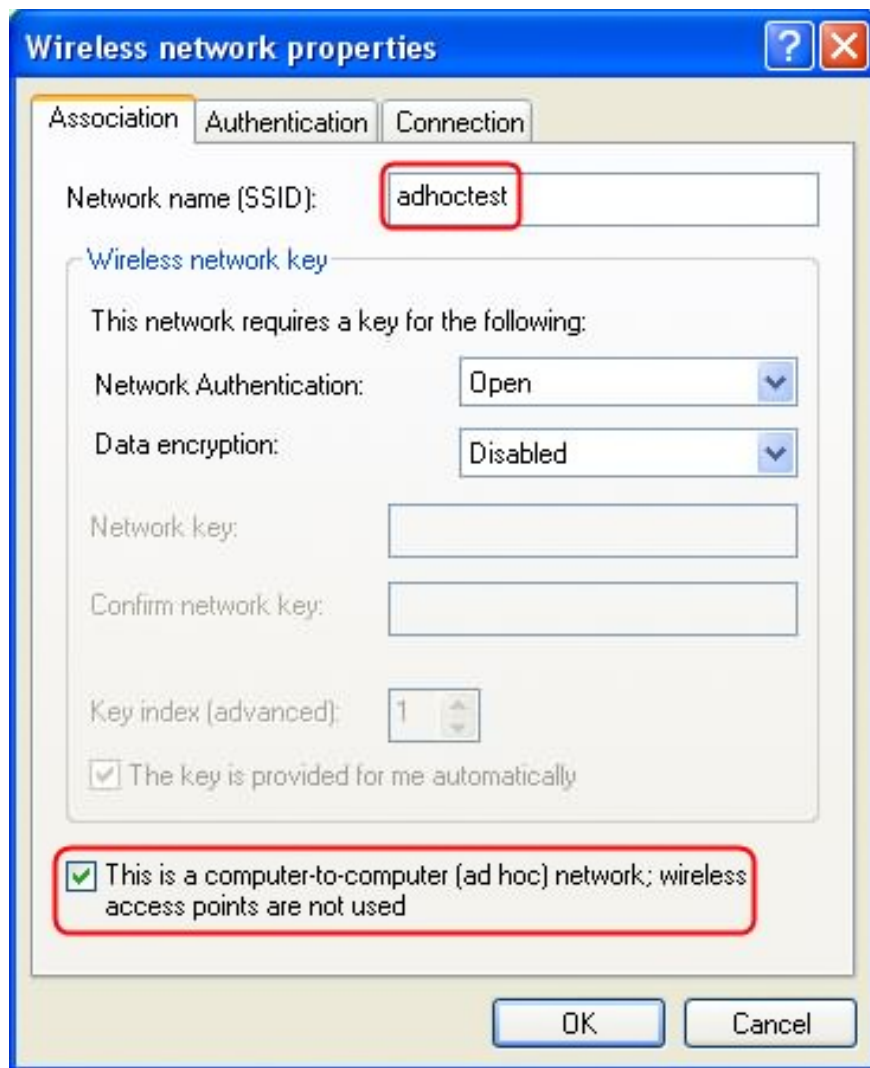
**Step 1: Go to Control Panel > Network Connections** and find **Wireless Network Connection** . Right-click **Wireless Network Connection** and select **Properties** .



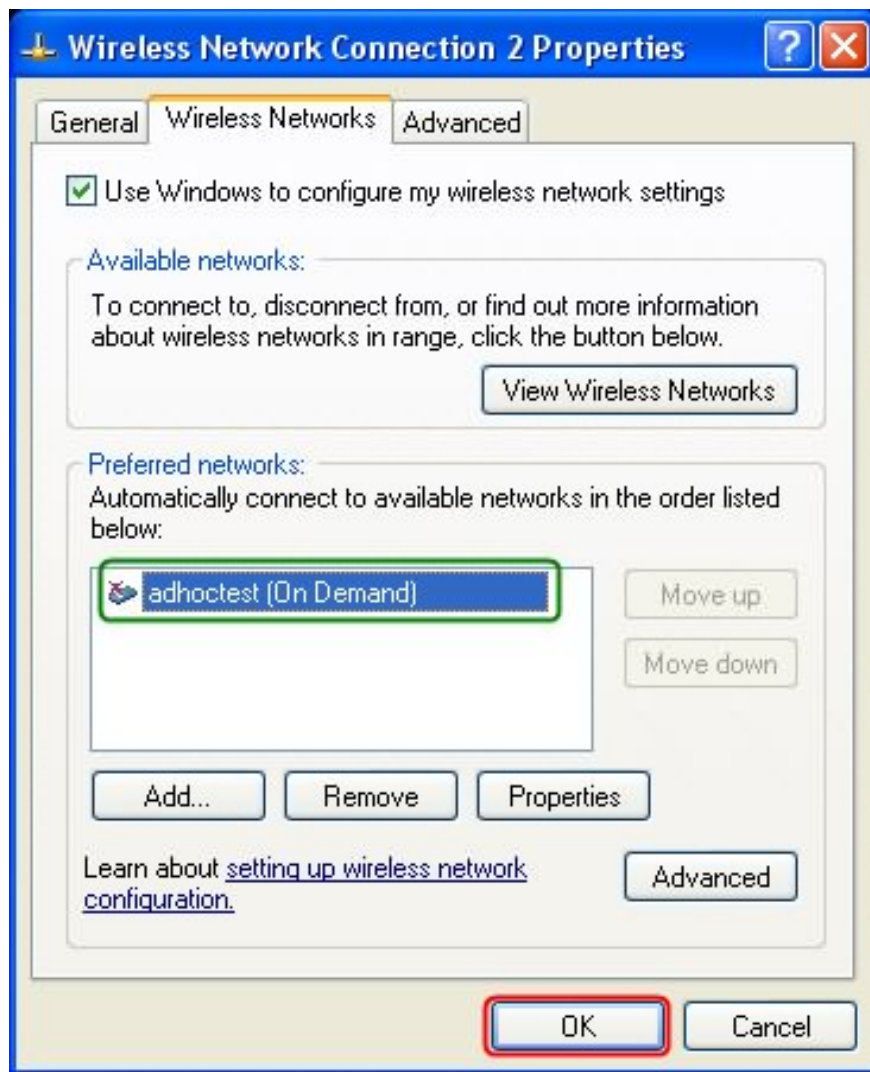
**Step 2:** On the **Wireless Networks** tab, click the **Add** button.



**Step 3:** On the **Association** tab of the **Wireless network properties** window enter a name for the network in **Network Name [SSID]** . Here we set is adhocstest. Check **This is a computer-to-computer [ad hoc] network;** **wireless access points are not used** at the bottom of the window, then click **OK** .



**Step 4:** After step 3, we have a profile that is adhocetest in Preferred Networks. Click **OK** to save all settings.

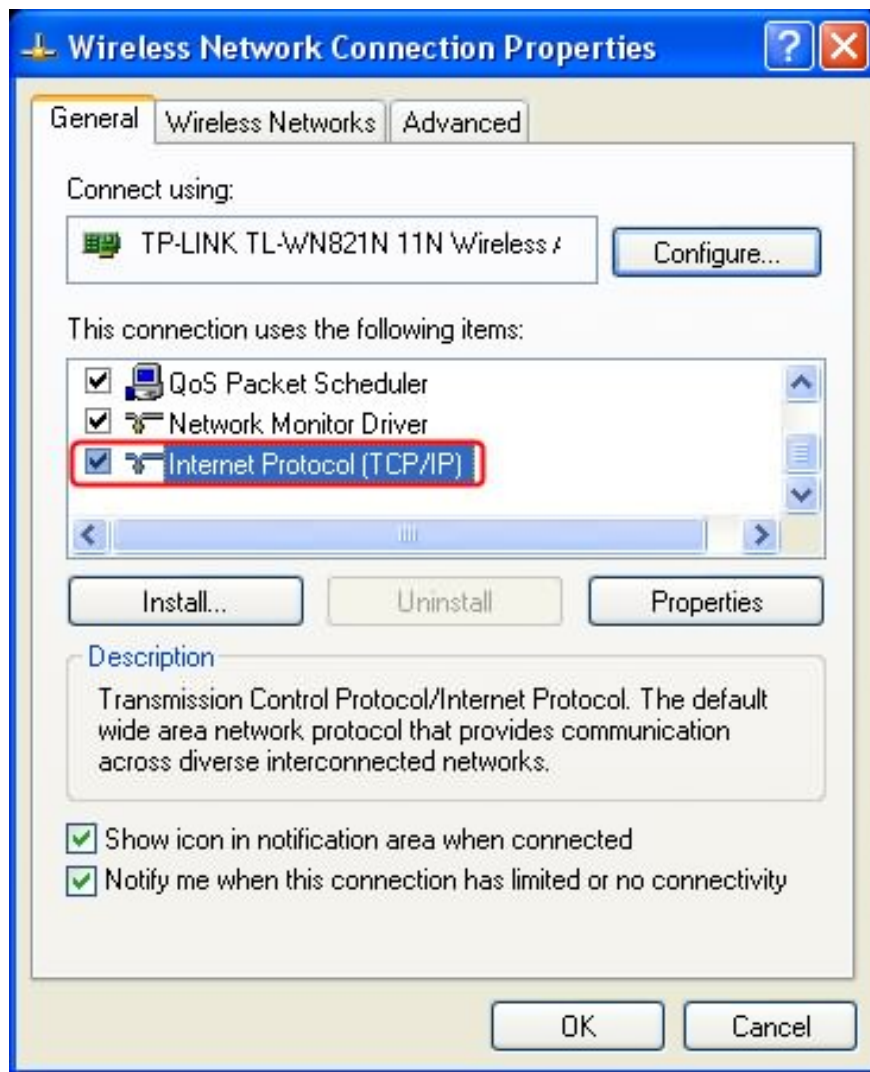


## Part 2: Configure the IP address manually on computer A

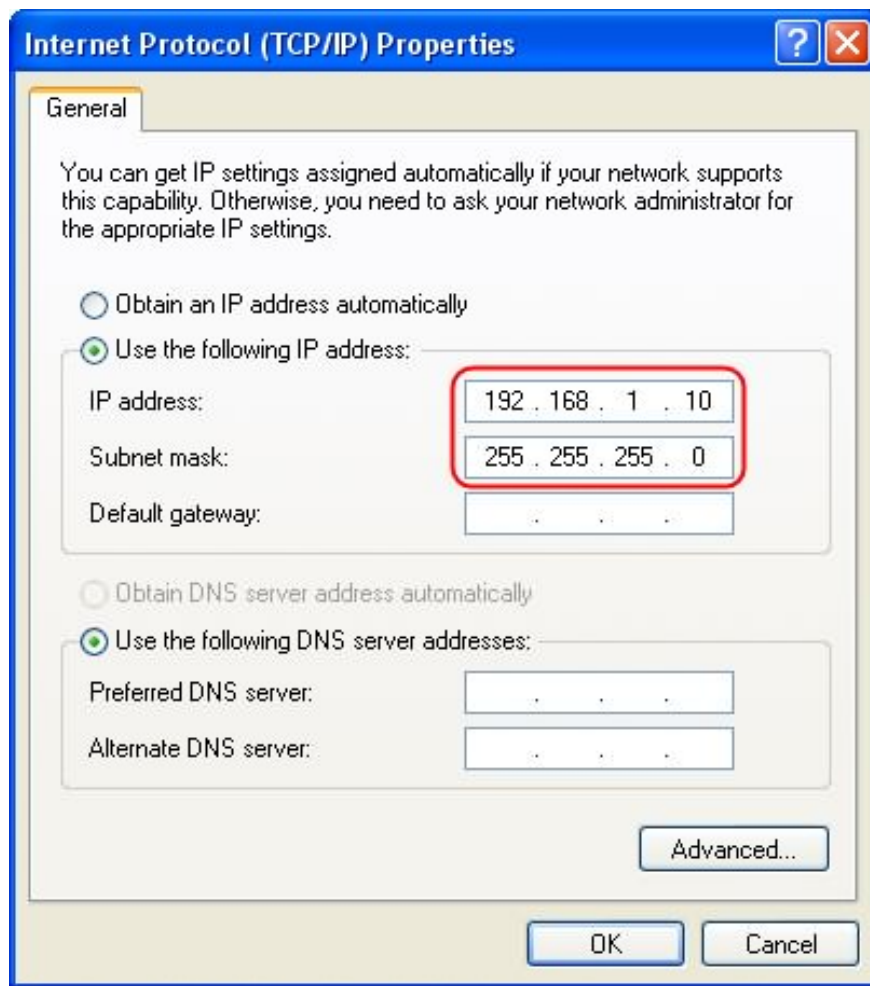
Step 5: Right-click **Wireless Network Connection** and select **Properties** .



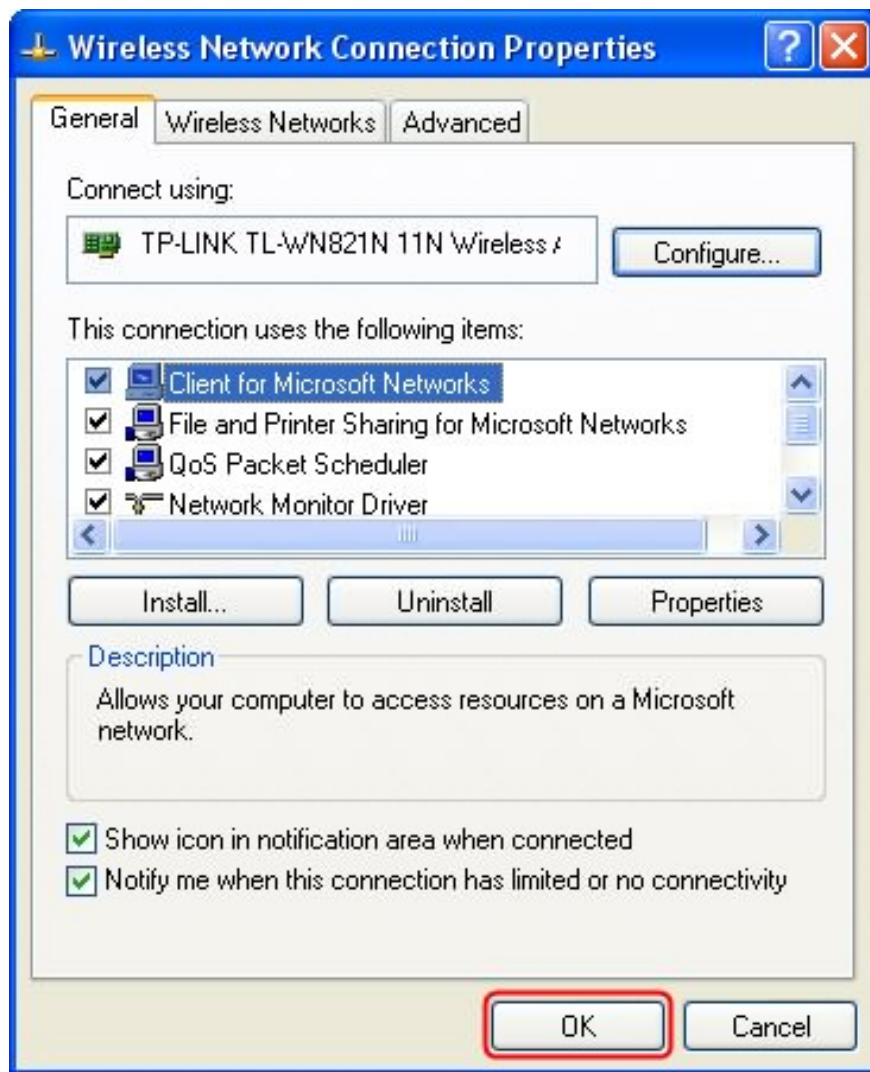
**Step 6:** On the **General** tab, double-click **Internet Protocol (TCP / IP)** .



**Step 7:** Select **Use the following IP address** , and enter **IP address** and **Subnet mask** . Then click **OK** .

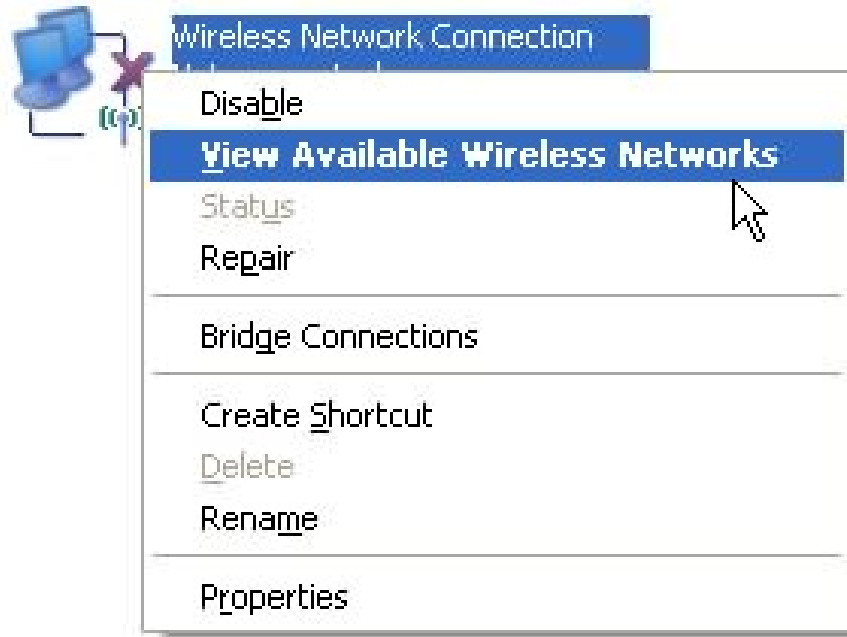


**Step 8:** Click **OK** on the **Properties Network Connection Wireless** window.

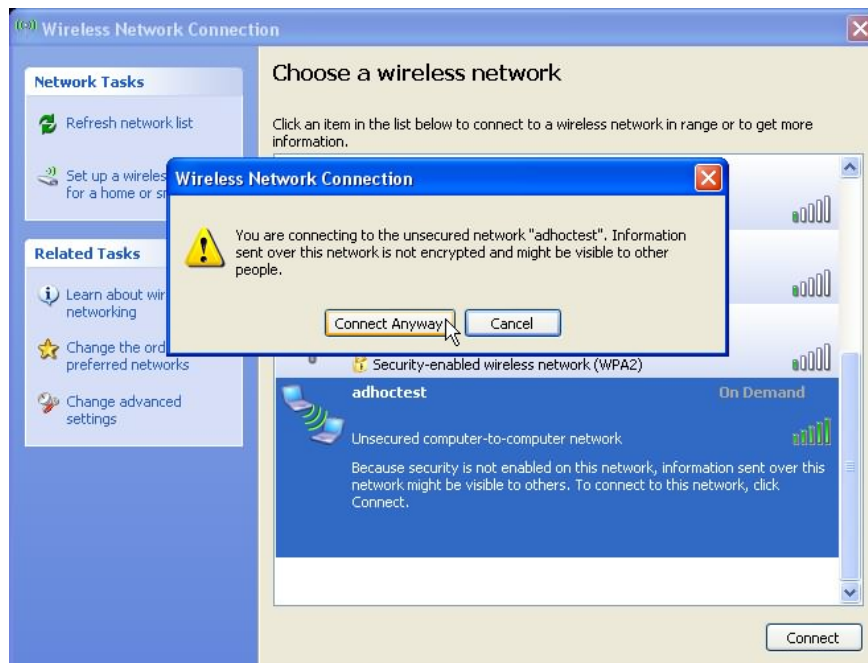


### Part 3: Search Ad Hoc networks on computer B.

Step 9: Right-click **Wireless Network Connection** , select **View available wireless networks** .

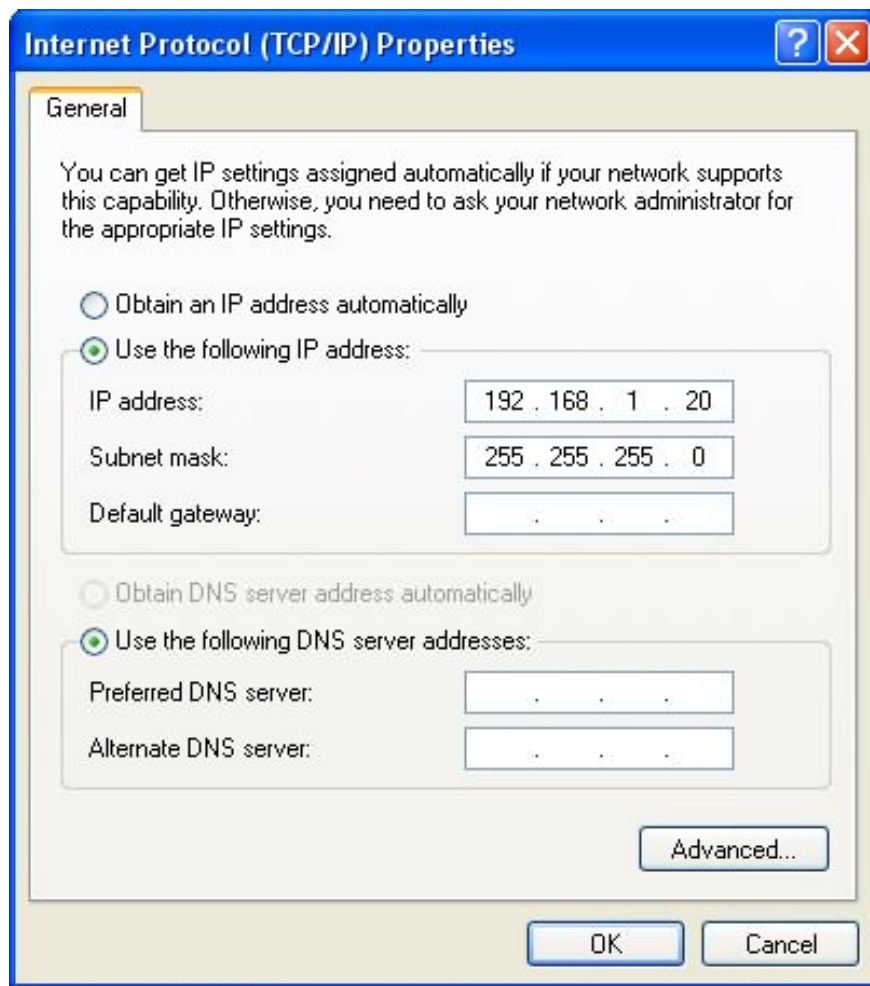


**Step 10:** Find the adhocstest network (set up on computer A) in the scan window. Then double-click it and click **Connect Anyway** .

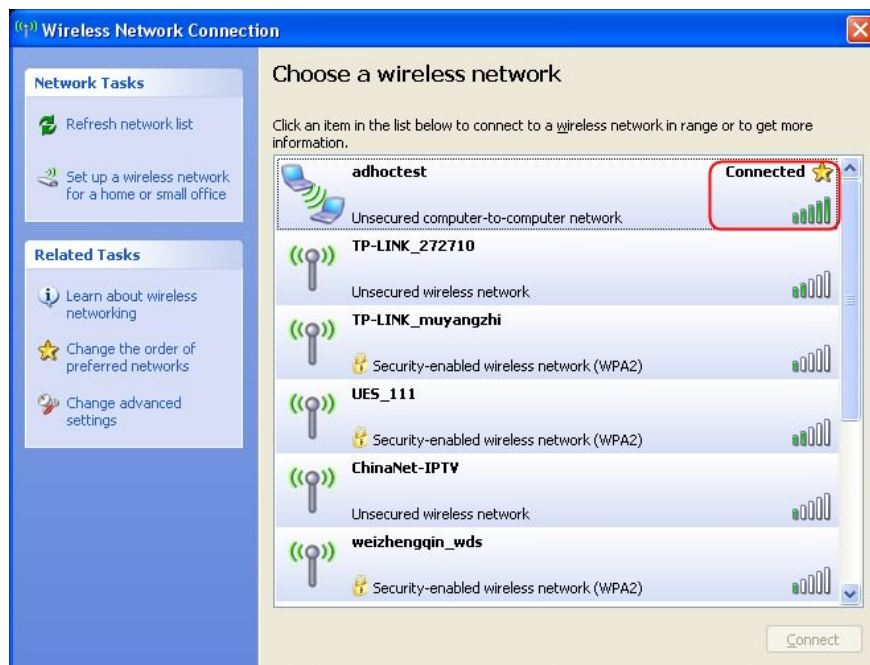


#### **Part 4: Configure IP addresses on computer B**

You do the same steps as you did on computer A (Step 5 to Step 8). The problem is that we need to specify a different IP address for computer B and it must be in the same subnet as computer A. In this example, we can get 192.168.1.20/255.255.255.0.

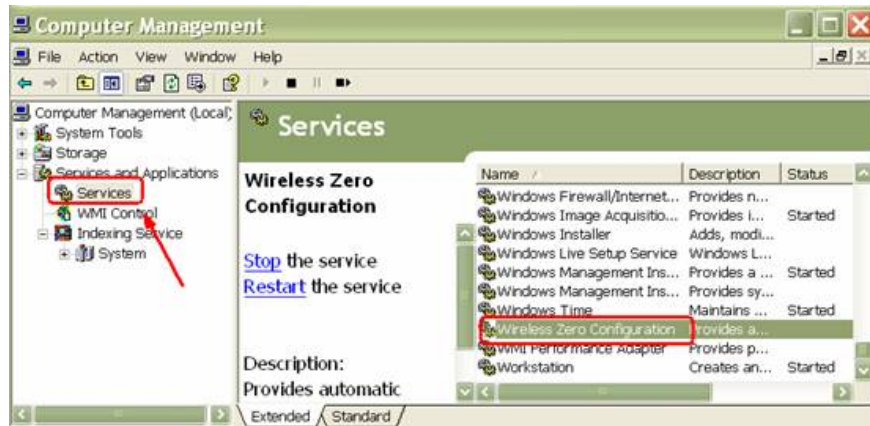


At this point, all basic settings for building Ad Hoc network have been completed. If we reopen the network scan window, we can see the adhoc test network is Connected.

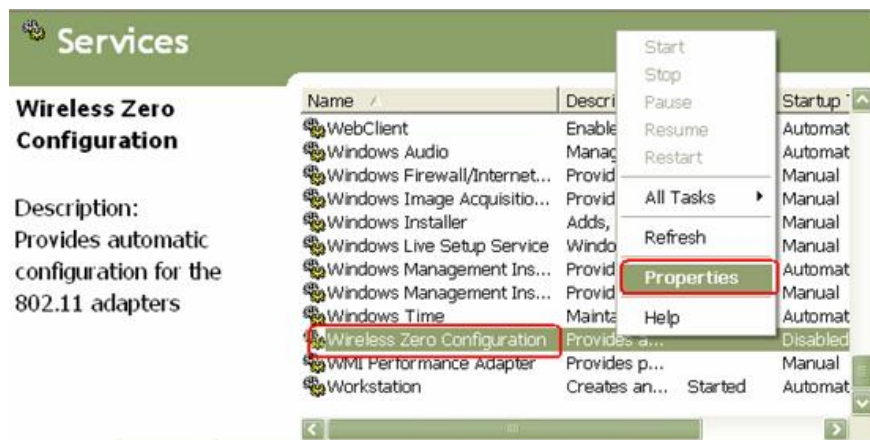


Turn on Windows Zero Configuration (WZC):

1. Right-click **My Computer** > **Manage** > **Services and Applications**> **Services** , find **Wireless Zero Configuration** in the right pane.



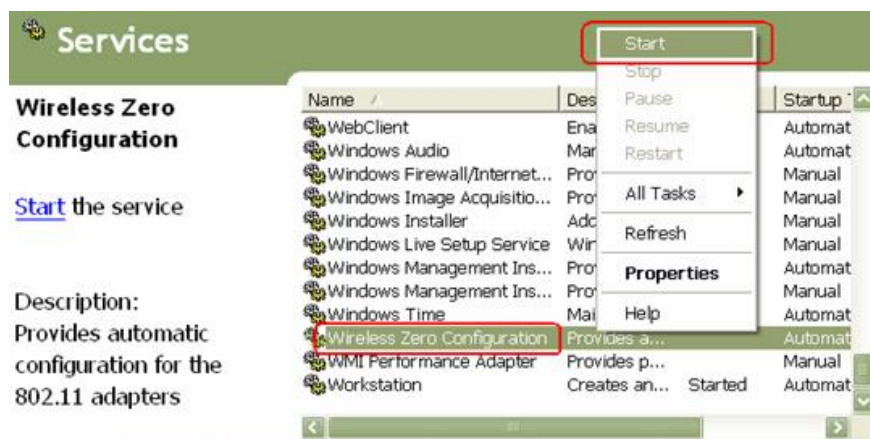
1. Chuot must go to **Wireless Zero Configuration** > **Properties**



1. Change **Startup type** to **Automatic** and click **OK**



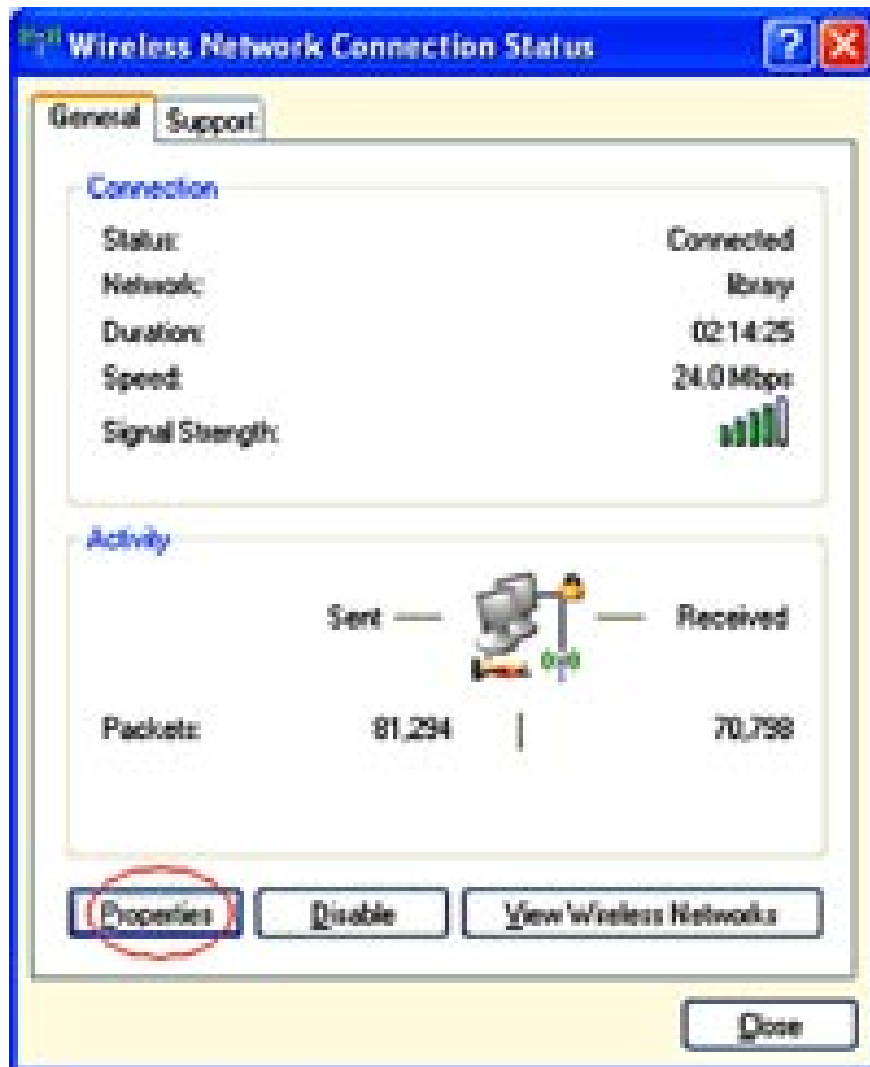
1. Right-click **Wireless Zero Configuration** and select **Start**

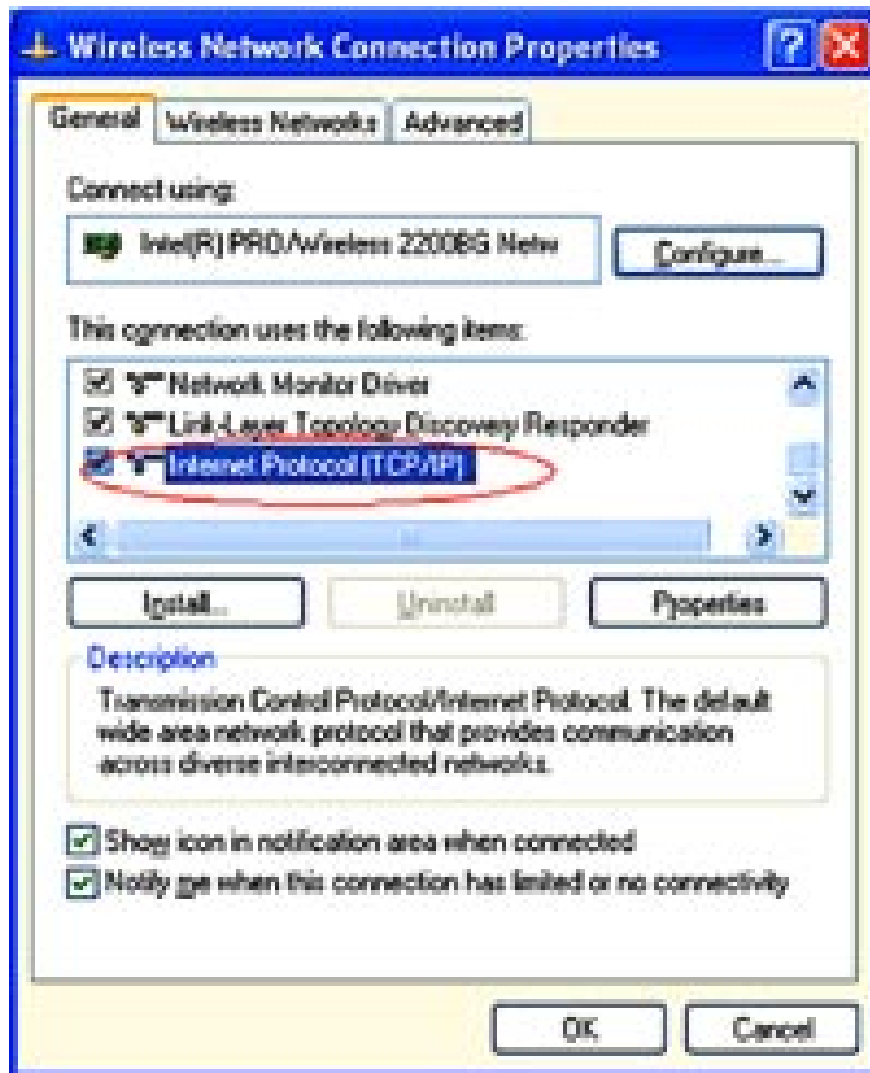


## Method 2: Create peer connections between two computers

To solve the problem, you need to create a peer to peer connection between the two machines. But because there is no access point, IP is not automatically granted, but you must manually assign it. Therefore, the first step is to manually assign the IP and the next steps are as follows:

## 1. Self-assign IP to 2 machines





In this step you need to perform on both machines to give them the same IP class. Do as follows:

- Go to the wireless connection status window (Figure 1) by double clicking on the network icon to the right of the screen.
- Click on **Properties** , the next window will appear (Figure 2).
- Double-click the **Internet Protocol (TCP / IP)** line and set **IP** for both laptop computers. You can assign arbitrary but it is required that both machines must be in the same class and the same Subnet mask. Specific examples:

#### **Machine 1**

IP: 10.0.0.45

Subnet mask: 255.255.255.0 **Machine 2**

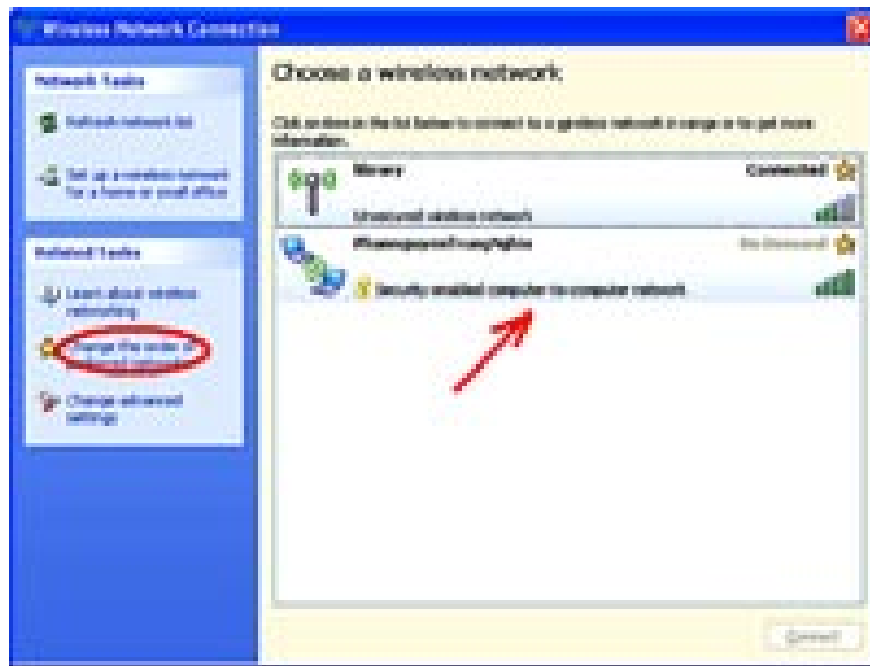
IP: 10.0.0.46

Subnet mask: 255.255.255.0

Other lines are left blank.

So you have completed step 1, now the step to connect for 2 machines.

## 2. Create a wireless connection between the two devices



In this step you will make two transmitters and receivers of each other. Do as follows:

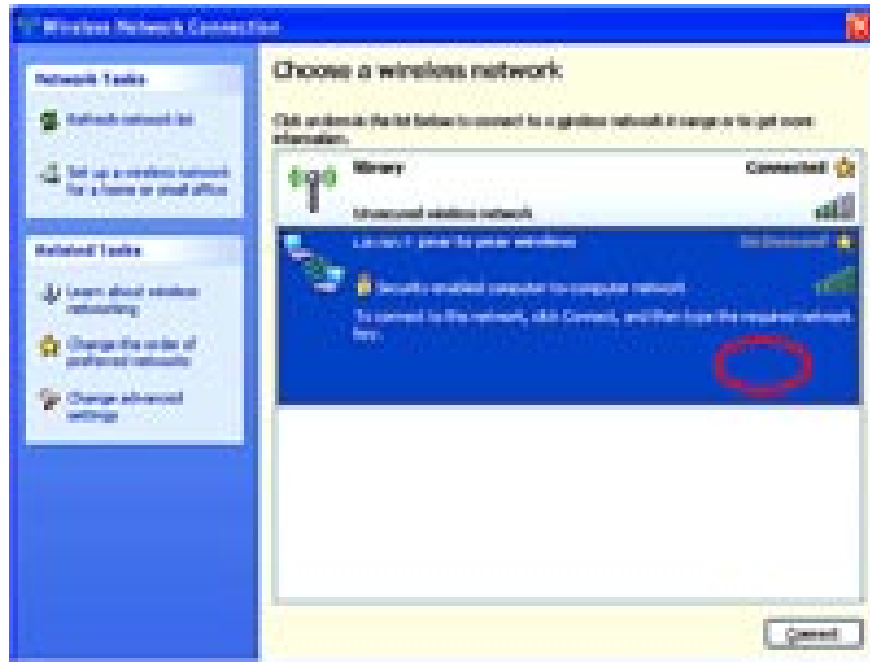
- Right click on **Wireless Network Connection** icon under taskbar, select **View Available Wireless Network** . Click on the **Change the order of preferred networks line** in the dialog box that appears (Figure 3).

- Continue to click the **Add** button to create a new network (Figure 4).

- Name your network in the **Network name** line.

- Set a password to access the network at the **Network key** line. Note that you must select the line **This is a computer to computer** . At this point, you have completed step 2.

## 3. Go to the network



- Click the Wireless icon on the right of the screen. Select the **View wireless network** button.
- Click on **Connect** . Machine 1 will now generate a signal and wait for device 2 to connect. If machine 2 detects the network at this time, it will see the network of machine 1. The computer clicks **Connect** then both machines will connect to each other (Figure 5).

#### 4. Application

You can now share the file so that the other computer can receive it, or you can chat directly between the two computers, send the file directly using Windows' Net meeting utility (Figure 6) by going to **Run** , enter the conf command to open it. Get this utility, or you can play games like in a LAN.

#### Phan Ngh?a

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