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Using the Kinect Kiosk

The Kinect Kiosk software is the software that will be running on the computer in the Kinect Station for the FRC 2012 season. This software is intended to provide visual feedback to the player in the Kinect Station. The display will provide a number of indicators including the number of players detected, an image of the detected skeleton, and the current values being sent for all 6 available axes and all 12 available buttons for both Kinect Sticks.

The Kinect Kiosk has been tested on Windows XP and Windows 7, but may work on Windows Vista as well. The Kiosk has been designed to operate on a PC with screen resolution of 1280x720 or greater.
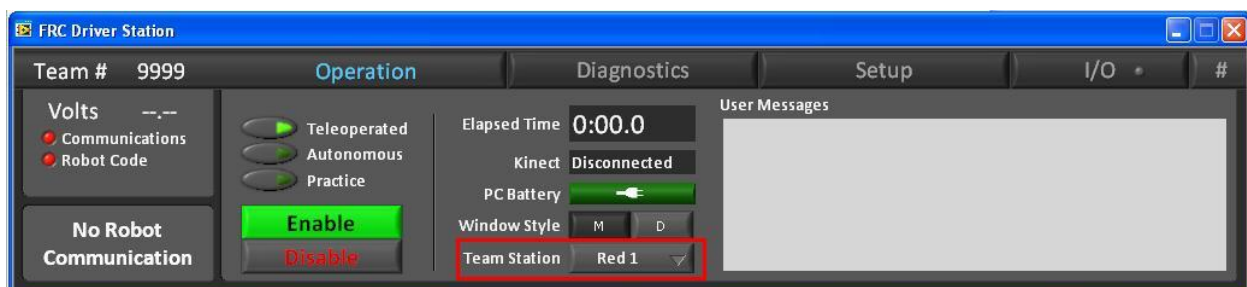
Installing the Kinect Kiosk

The Kinect Kiosk requires the LabVIEW 2011 Runtime Engine in order to operate. Any computer that has been set up to use the 2012 FRC Tools or 2012 Driver's Station will have the necessary components installed. There are three ways to get the Kinect Kiosk file on the target computer:

1. Copy the KinectKiosk.exe file from **Program Files\FRC Kinect Server** on a computer with the Kinect Server installed (**Program Files(x86)** on 64-bit machines)
2. Download the standalone Kinect Kiosk zip file from [FIRSTForge](#) and unzip the Kiosk to the desired directory.
3. Install the full Kinect Server setup on the machine following the "Getting Started with Microsoft Kinect for FRC" document.

Setting Alliance Color

To properly utilize the Kinect Kiosk, you must first set the alliance color on your Driver Station. To do this:

1. Open the Driver Station application on your Driver Station computer
2. Locate the **Team Station** box on the **Operation** tab.

3. Click the arrow to open the pull-down menu and select the desired station. Note whether the station you have selected is **Red** or **Blue**, you will need this information to setup the Kinect Kiosk.

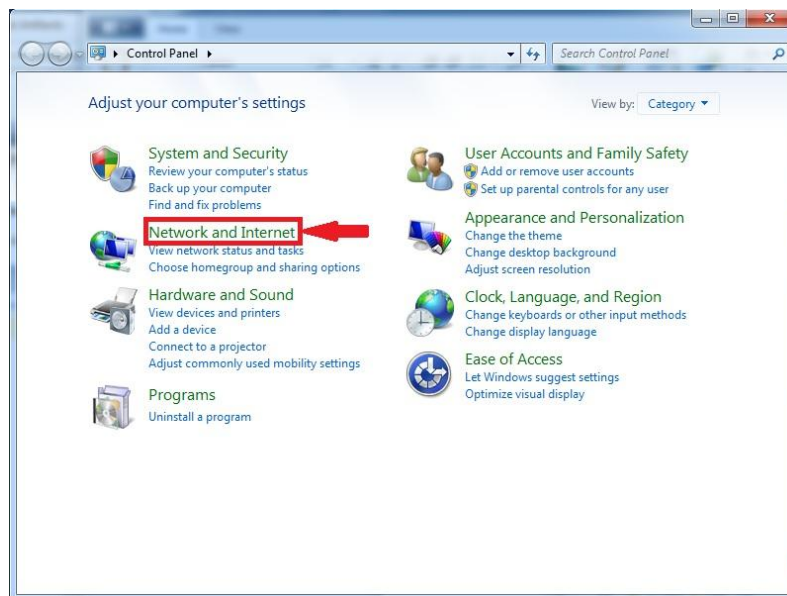v1.0 – December 19th, 2011

Connect the Kiosk PC to the Network

The Kinect Kiosk PC must be connected to the same network as the Driver Station PC and robot. In the default network configuration described in **Getting Started with the 2012 Control System**, this should be done by connecting the Kiosk PC to the wireless network broadcast by the D-Link DAP1522.
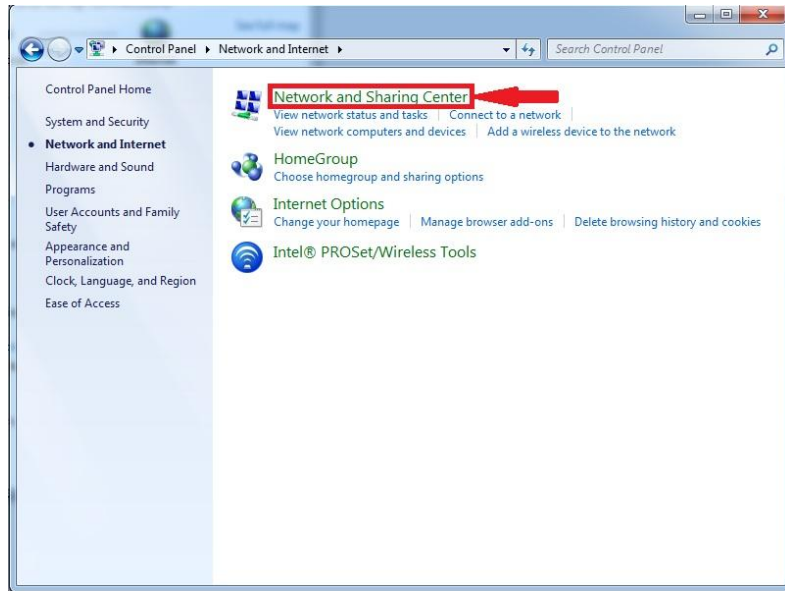
Set the Kiosk IP address

The IP address of the computer running the Kinect Kiosk must be set for proper operation of the Kiosk.
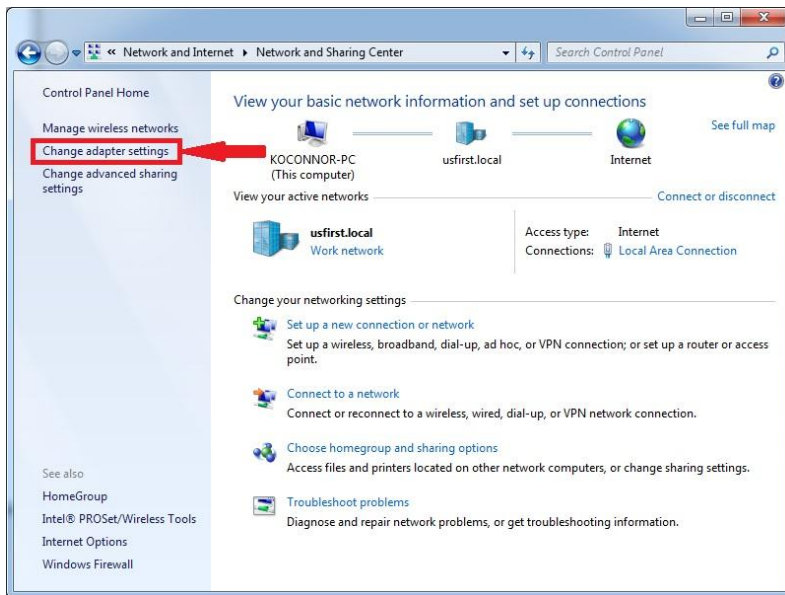
Windows 7

1. Open the Control Panel and select Network and Internet
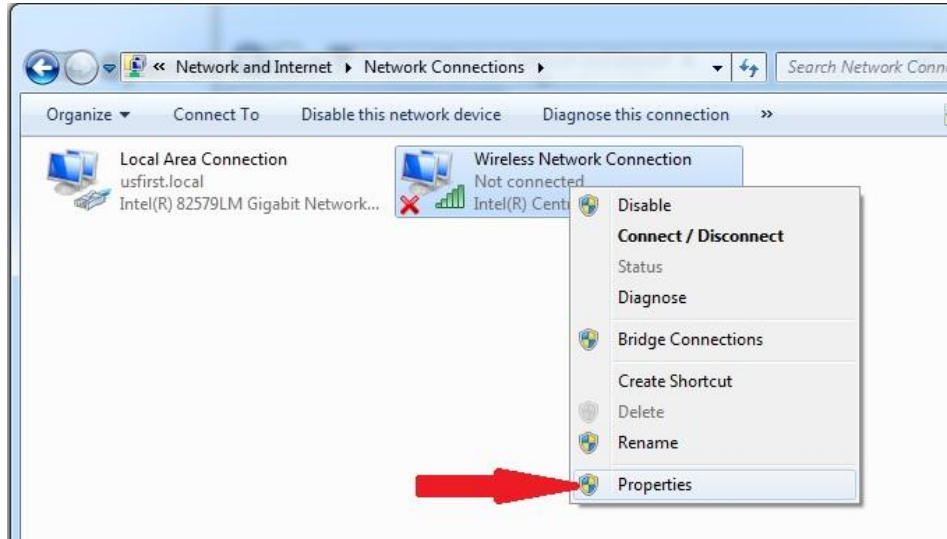
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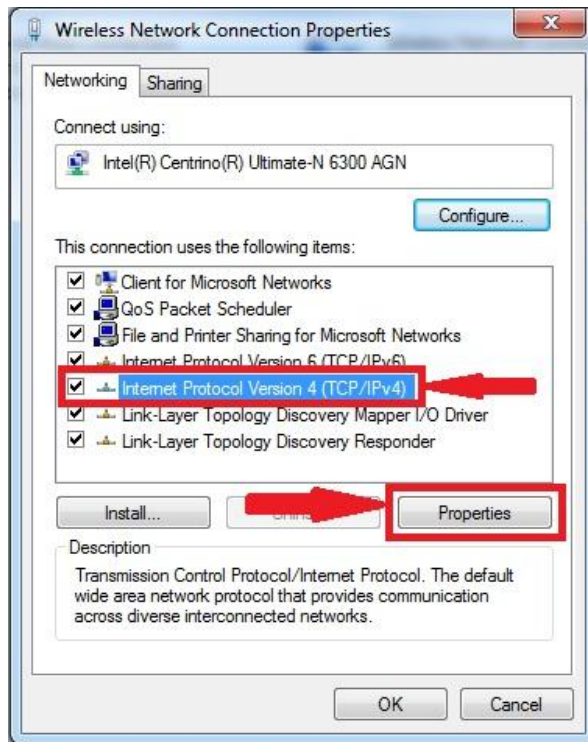2. Click Network and Sharing Center

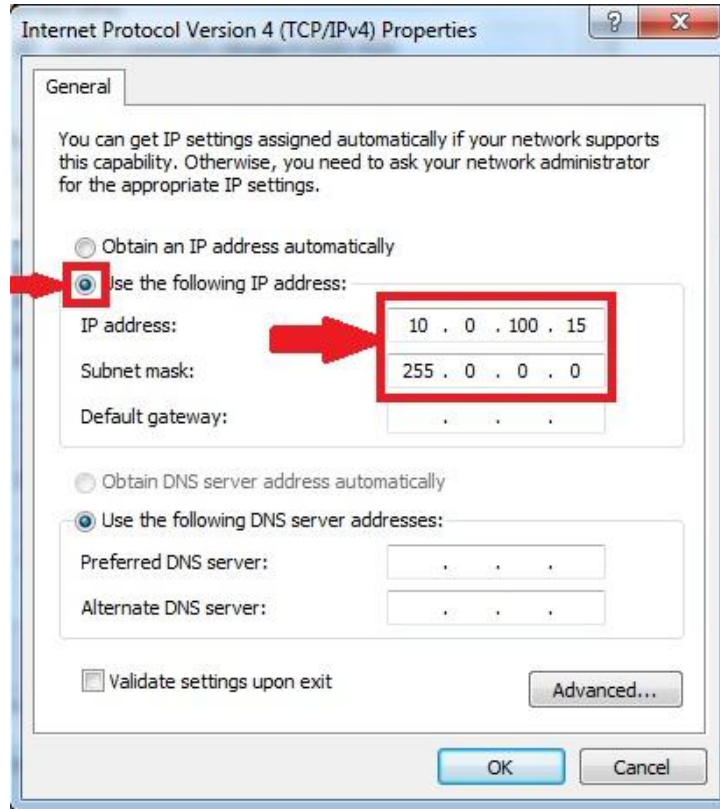
3. Click Change Adapter Settings

4. Right Click on your Wireless Adapter (typically Wireless Network Connection) and select Properties. Click Yes if a security prompt appears

5. Select Internet Protocol (TCP/IP) and click Properties
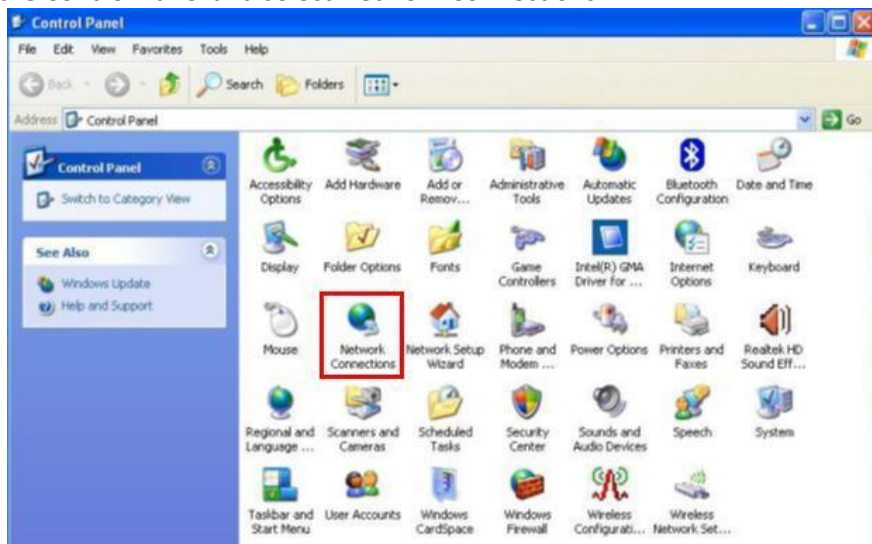
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6. Select **Use the following IP address** and enter **10.0.100.15** for a Blue kiosk or **10.0.100.16** for a Red kiosk. Enter a Subnet mask of **255.0.0.**0. Click Ok, the TCP/IP Properties window will then close.

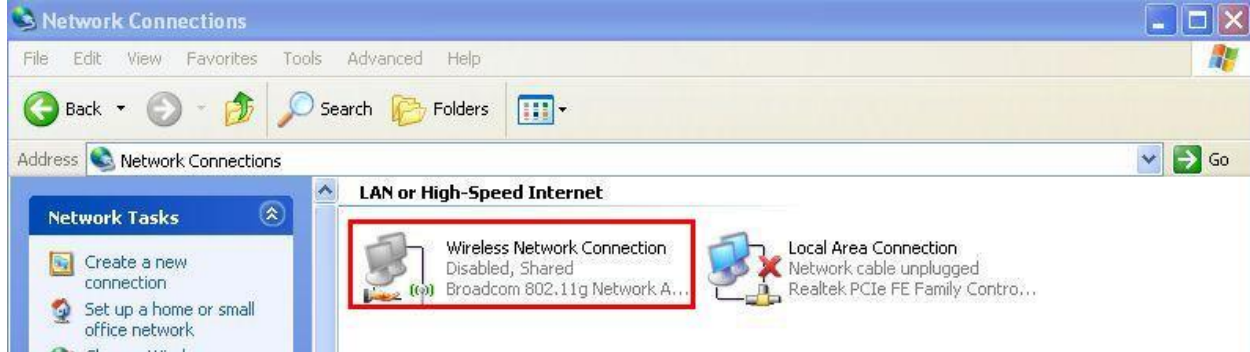1. Click **Ok** to close the Connection properties window

Windows XP

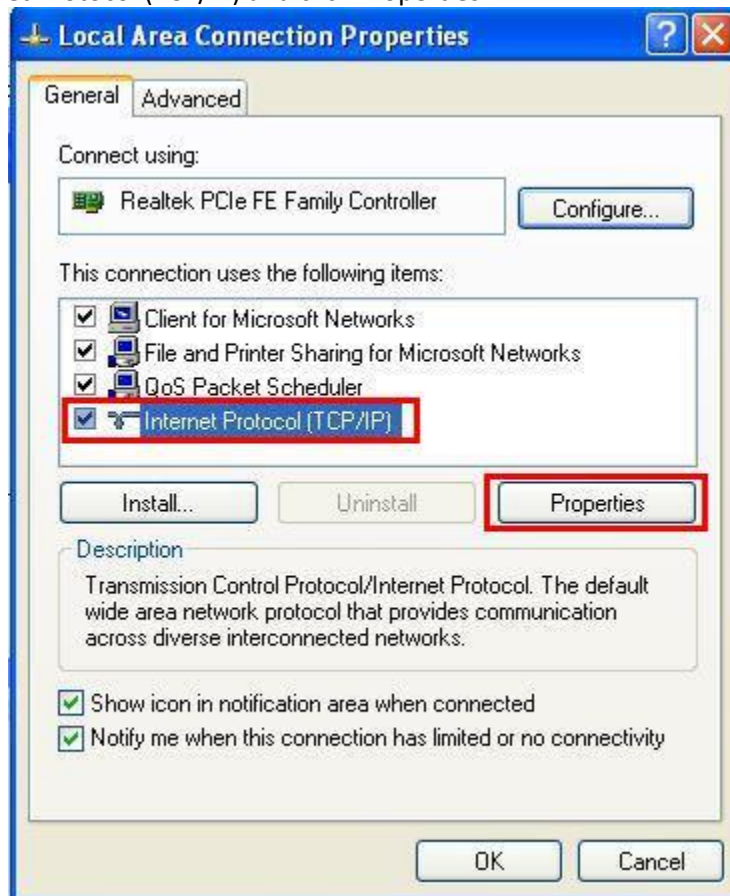2. Open the Control Panel and select Network Connections

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3. Right Click on the Wireless Network connection and select Properties
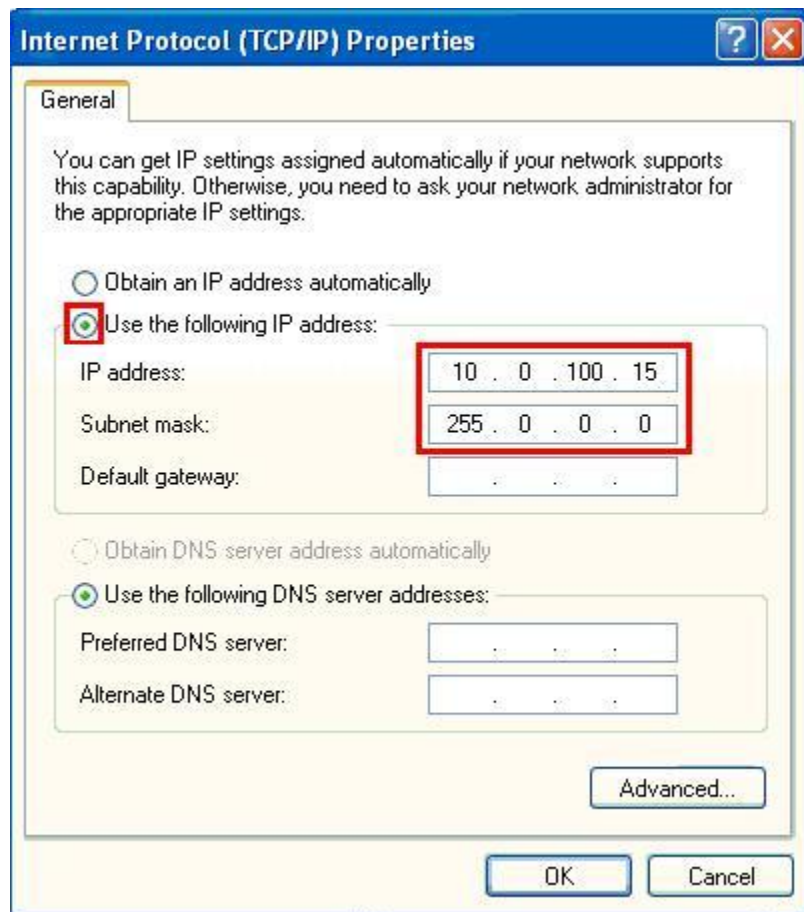

4. Select Internet Protocol (TCP/IP) and click Properties

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5. Select **Use the following IP address** and enter **10.0.100.15** for a Blue kiosk or **10.0.100.16** for a Red kiosk. Enter a Subnet mask of **255.0.0.**0. Click Ok, the TCP/IP Properties window will then close.
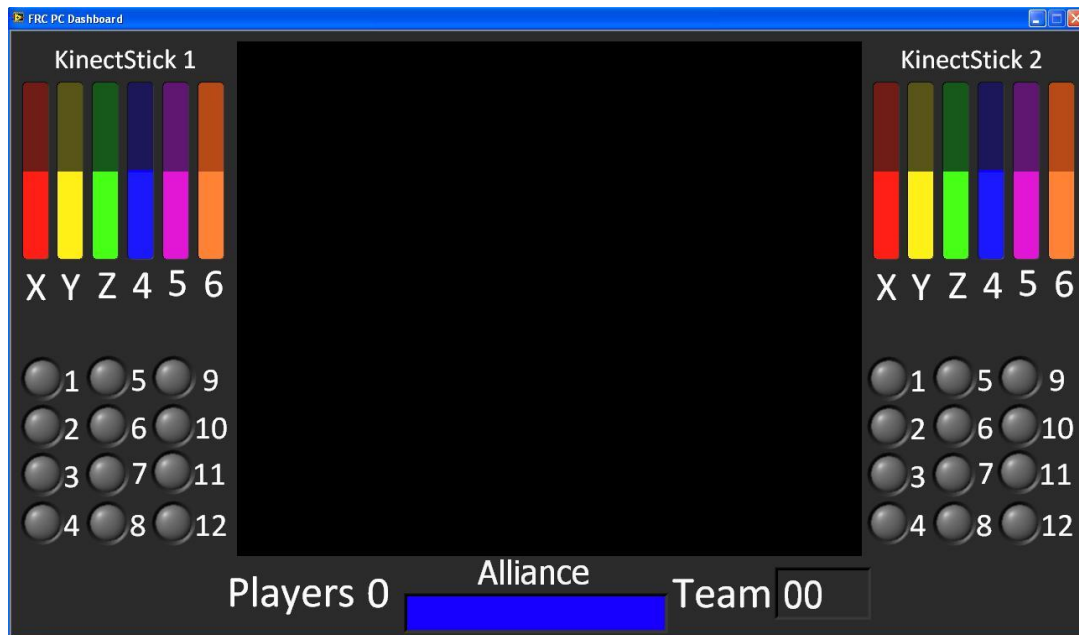

6. Click **Ok** to close the Connection properties window

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Running the Kinect Kiosk

Double click on the Kinect Kiosk. The following window will appear:

If your IP is properly configured, and you are connected to the network, the box under **Alliance** should match the color you set on the Driver Station. If the box is yellow, your IP is set incorrectly or the network adapter is disconnected.

Connecting the Driver Station

Connect your Kinect device to your Driver Station PC, start up your Driver Station Computer and launch the Driver Station application. The Kinect Kiosk should now display your team number in the **Team** box. If a person is recognized by the Kinect device, they will be displayed as a green skeleton.