

793 Windows 7 Controller Network Setup

Rev.	Author	Date	Comments
1.0	Curt Solie	04/09/09	Initial version.
1.1	Tim Anderson	08/10/09	Updates after installing on new version of Windows 7

This document will cover the settings for establishing a 793 Controller Network on the Windows 7 operating system. The Firewall for this network will not be enabled or handled as an Exception to the enabled Firewall. This document will cover settings for a single PC to controller. This document assumes the additional network card and appropriate drivers have been installed.

Single PC to Controller

(The following steps and screen captures are taken from a beta version of Windows 7)

1. Turn on IIS Services

- From the Control Panel go to Programs > Programs and Features.
- Under Programs and Features click on Turn Windows features on or off.
- Find the IIS (Internet Information Services) section.
- Expand this section by clicking on the + sign.
- Expand the FTP Server and Web Management Tools sections.
 - A. Enable FTP Service in the FTP Server section
 - B. Enable IIS Management Console in the Web Management Tools section
- Find and enable the Telnet Client (found further down in its own section).
- Click OK to install the new features.

2. Energize and Rename the Network.

- The NIC or Network Adapter (here to referred as the Adapter) to be used in the Controller Network will need to be connected to the controller and the controller turned on. The energized connection between PC and controller allows the OS to see the Adapter in the Network Sharing Center.
- From the Control Panel go to Network and Internet > Network and Sharing Center.
 - A. In the left pane Click on Change Adapter Settings.
 - B. Right click on the Adapter designated for the Controller.
 - C. Rename the Adapter (i.e. CtrlrNet).
 - D. Ensure the Adapter is enabled.
 - E. Click on Close to exit the window.

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3. Configure the Adapter IP Address and define its Profile.
 - Return to the Network Sharing Center
 - In the right pane you will see the Active Networks displayed.
 - This area will be divided into left and right sections.
 - The right side tells us the name of the Adapter (i.e. CtrlrNet) and provides access to its Status, Configuration and Properties.
 - A. Click on the Adapter name and go to its Status window.
 - B. Click on Properties.
 - C. Check Internet Protocol Version 4 (TCP/IPv4) and uncheck every other option in the list.
 - D. Highlight Internet Protocol Version 4 (TCP/IPv4) and click on Properties.
 - E. Select Use the following IP address.
 - F. Enter 148.150.203.190.
 - G. Set the Subnet Mask to 255.255.255.0.
 - H. Exit all windows with OK or Close. If you are asked to validate TCP/IP settings select Cancel, your settings will be saved.
 - The left side tells us from what location the network is defined for (i.e. Home, Work or Public) and provides access to define the location of the Network. Defining the location of the Network is critical. If the location is not set to Public, do the following:
 - A. Click on the current Location name.
 - B. Set the location to Public.
 - C. Click on Close to exit the window.
 - Corporate Networks should have their location set to Work.
4. Disable the Firewall for Public Networks.
 - From the Control Panel select System & Security > Windows Firewall.
 - In the left pane click on Advanced Settings.
 - In the center pane of this window, find the Overview section which lists the Firewall Profiles.
 - A. Click on Windows Firewall Properties at the bottom of this section.
 - B. Go to the Public Profile tab.
 - C. Turn off the Firewall for the Public Profile.
 - D. Close this window by clicking on OK.

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5. Add FTP Publishing.

- From the Control Panel select System & Security > Windows Firewall.
- Click on Administrative Tools.
- Double click on Internet Information Services Manager (IIS Manager)
 - A. In the left side expand the computer node.
 - B. Expand Sites.
 - C. Right click on the Default Web Site.
 - D. Select Add FTP Publishing...
 - E. On the Popup screen, check Start FTP site automatically.
 - F. Select Allow SSL.
 - G. Press the Next button.
 - H. Check Anonymous and Basic Authentication.
 - I. Allow access to All users.
 - J. Allow Read permission (optionally you can also select Write permission).
 - K. Select Finish.

6. Configure the Default FTP settings (to be done after the 793 installation).

- The 793 Installation program normally configures these settings.
- These settings can also be configured by using the Test PC application.
- To verify these settings or to configure them, go to Control Panel > System and Security > Administrative Tools > Internet Information Services Manager (IIS Manager).
 - A. Select Default Web Site on the left side (Expand Computer Name and Sites).
 - B. Under Actions on the right side, select Basic Settings.
 - C. Verify the Physical Path is the MTS ntbin directory (example below):

C:\Program Files\MTS 793\ntbin