



# MultiScan MS 5800<sup>TM</sup> Communication Quick Setup Guide

DMTA021-01EN — Revision A  
April 2007



Olympus NDT, 48 Woerd Avenue, Waltham, MA 02453, USA

This manual and the product and programs it describes are protected by the Copyright Act of Canada, by laws of other countries, and by international treaties, and therefore may not be reproduced in whole or in part, whether for sale or not, without the prior written consent from Olympus NDT Canada Inc. Under copyright law, copying includes translation into another language or format.

© 2007 by Olympus NDT. All rights reserved.

This document was prepared with particular attention to usage to ensure the accuracy of the information contained therein. It corresponds to the version of the product manufactured prior to the date appearing on the title page. There may, however, be some differences between the manual and the product if the product has been modified thereafter.

The information contained in this document is subject to change without notice.

Part number: DMTA021-01EN

Revision A

April 2007

Printed in Canada

---

## Trademarks

Olympus and the Olympus logo are registered trademarks of Olympus Corporation. R/D Tech, and the R/D Tech logo are registered trademarks, and “Innovation in NDT,” MultiScan MS5800, MultiView, and TomoView are trademarks of Olympus NDT Corporation in Canada, the United States, and/or other countries. Microsoft, Windows, Windows NT, and Windows logo are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Other company or product names mentioned in this document may be trademarks or registered trademarks of their respective owners.

## Technical Support

Olympus NDT Canada Inc. is firmly committed to providing the highest level of customer service and product support. If you experience any difficulties when using our product, or if it fails to operate as described in the documentation, we suggest you first consult the user’s manual, and then, if you are still in need of assistance, contact our After-Sales Service by using the information provided at the end of this manual.

## Safety Symbols



Hazard symbol referring to the instruction manual: the product is marked with this symbol when it is necessary for you to refer to the instruction manual in order to protect yourself against personal injury or to protect against damage to the product. If applicable, this symbol denotes an electric shock hazard lower than 1,000 volts. (To find the safety notices in the instruction manual, consult the Index under “Warnings” and “Cautions” entries.)



Hazardous high-voltage symbol referring to the instruction manual: the product is marked with this symbol when it is necessary for you to refer to the instruction manual in order to protect yourself against an electric shock hazard higher than 1,000 volts. (To find the safety notices in the instruction manual, consult the Index under “Warnings” and “Cautions” entries.)



### WARNING

The WARNING sign denotes a hazard. It calls attention to a procedure, practice, or the like, which, if not correctly performed or adhered to, could result in personal injury. Do not proceed beyond a WARNING sign until the indicated conditions are fully understood and met.



### CAUTION

The CAUTION sign denotes a hazard. It calls attention to an operating procedure, practice, or the like, which, if not correctly performed or adhered to, could result in material damage, particularly to the product, destruction of part or all of the product, or loss of data. Do not proceed beyond a CAUTION sign until the indicated conditions are fully understood and met.



### Note

The Note sign calls attention to an operating procedure, practice, or the like, that requires special attention. A Note also denotes related, parenthetical information that is useful but not imperative.



### IMPORTANT

The IMPORTANT sign calls attention to a note that provides important information or information essential to the completion of a task.



### Tip

The Tip sign calls attention to a type of note that helps you apply the techniques and procedures described in the manual to your specific needs, or that provides hints on how to use effectively the capabilities of the product.

## **Conventions**

In a procedure containing several steps, the operations that the user has to execute are numbered 1, 2, 3... The symbol “◆” is used to indicate a procedure containing only one step, or secondary steps. Lowercase letters (*a*, *b*, *c*...) can also be used to indicate secondary steps in a complex procedure.

The abbreviation “NC” is used to indicate *no connection*.

SMALL CAPITALS are used to identify any term marked as is on the instrument, such as the names of connectors,

buttons, indicator lights, etc. SMALL CAPITALS are also used to identify key names of the computer keyboard.

All the terms that are used by the software, such as the names of menus, commands, dialog boxes, text boxes, and options, are presented in **bold** print.

The abbreviation “N/A” is used to indicate either *not applicable* or *not available* at time of press.

# **Table of Contents**

<b>1. Introduction .....</b>	<b>1</b>
<b>2. Removing the Current BOOTP Server .....</b>	<b>2</b>
<b>3. Installing the BOOTP Server .....</b>	<b>4</b>
<b>4. Setting the TCP/IP Configuration .....</b>	<b>8</b>
<b>5. Configuring the BOOTP Server .....</b>	<b>11</b>
<b>6. Disabling the Windows® Firewall .....</b>	<b>13</b>



# 1. Introduction

This document presents a quick procedure for fixing a MultiScan MS 5800™ communication problem.

Following a typical installation, the BOOTP server must be configured specifically to handle the communication process between MultiView™, TomoView™, and the MultiScan MS 5800.

Refer to the “Bootp Installation and Communication Troubleshooting Guide” for a complete description of the BOOTP server.



## IMPORTANT

This procedure requires MultiView version 6.0 or higher, and TomoView version 2.4 or higher.

You must also have administrator rights on the computer to perform the tasks described in this guide.

## 2. Removing the Current BOOTP Server

The MultiScan MS5800™ uses a BOOTP server to communicate with MultiView™ and TomoView™ software. This process requires that a specific version of the software be present on the computer used to perform inspections with a MultiScan MS 5800.

If a BOOTP server is already present on the computer, it must be removed before an up-to-date version is installed.

### To remove the current BOOTP server

1. On the computer, press CTRL+ALT+DEL.
2. In the **Windows® Security** dialog box, click **Task Manager**.
3. In the **Windows Task Manager** dialog box (see Figure 2-1 on page 2), click the **Processes** tab.

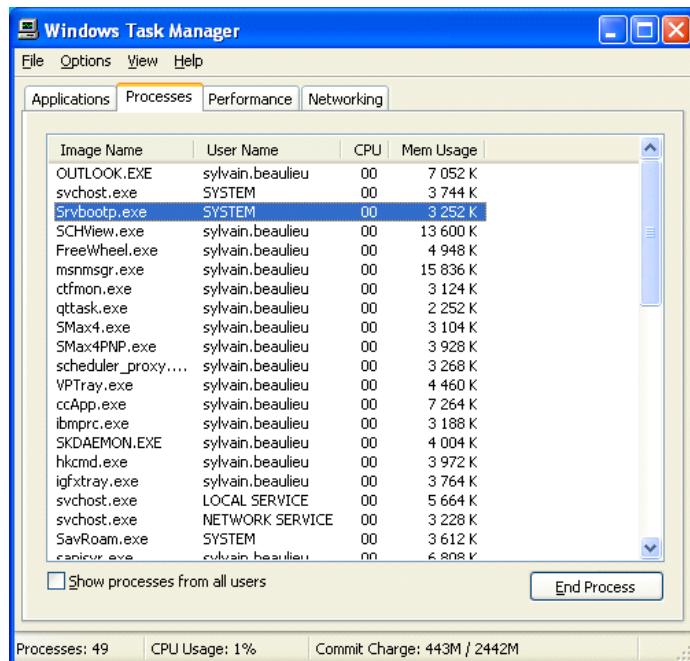


Figure 2-1 Windows Task Manager dialog box

4. Select the **Srvbootp.exe** process before clicking **End Process**.
5. Close the **Windows Task Manager**.
6. Press the Windows logo key ( + E to open a Windows Explorer window (see Figure 2-2 on page 3).

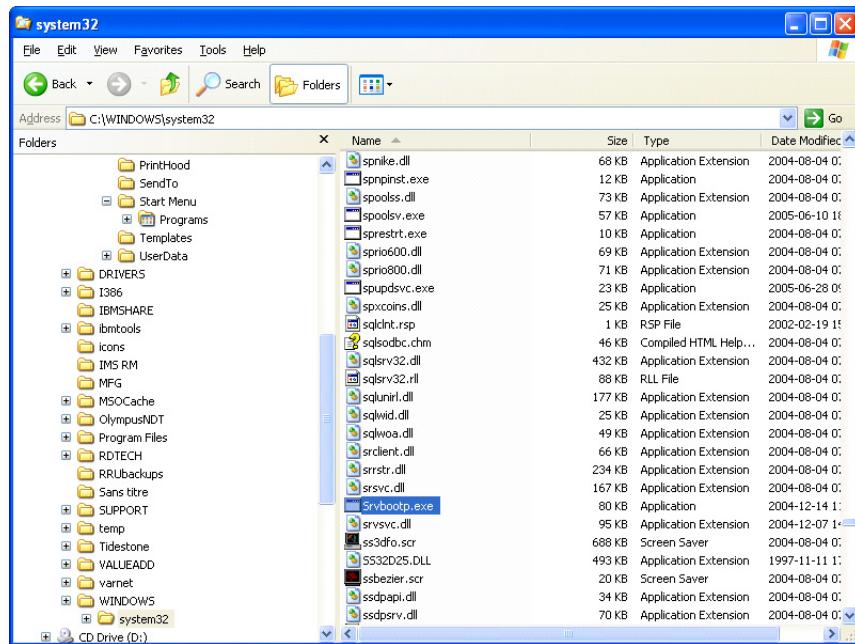


Figure 2-2 Windows Explorer window

7. On the **Local Disk (C:)**, select the **Windows\system32** directory.
8. Delete the file named **Srvbootp.exe**.

### 3. Installing the BOOTP Server

This section describes the procedure for installing the BOOTP server program.

#### To install the BOOTP server

1. Locate the executable file for the BOOTP server installer (InstallBootpServer-5.1xx.exe where *xx* represents the build version) on the distribution disk of your Olympus NDT software.
2. Start the installation program by double-clicking the InstallBootpServer-5.1xx.exe file.
3. In the **Bootp FTP root** dialog box, select the root folder, and then click **OK** (see Figure 3-1 on page 4).

Olympus NDT recommends using the C:\OlympusNDT folder for the BOOTP FTP root. If you need to use another folder, make sure that no spaces or special characters are present in the path.

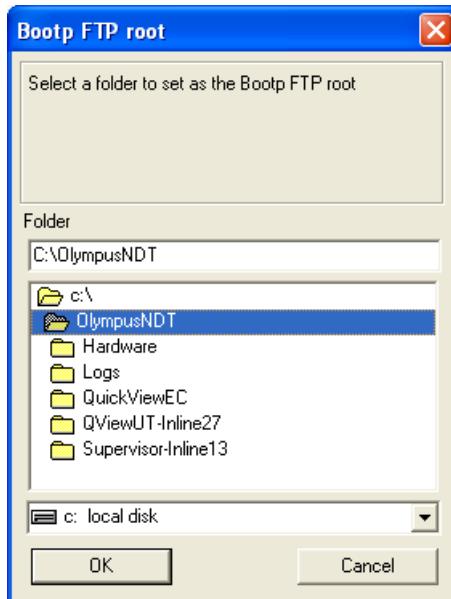


Figure 3-1 BOOTP FTP root dialog box

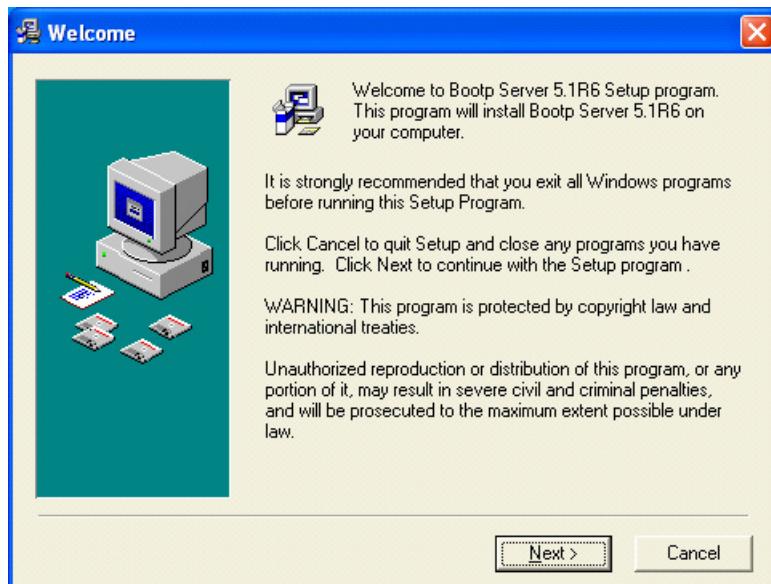


**Note:** The following message might appear (see Figure 3-2 on page 5). Click **OK** to continue.



**Figure 3-2 MSFpsvc service message**

4. In the **Welcome** dialog box, click **Next** (see Figure 3-3 on page 5).



**Figure 3-3 Welcome dialog box for the BOOTP server installation**

5. In the **Start Installation** dialog box, click **Next** (see Figure 3-4 on page 6).

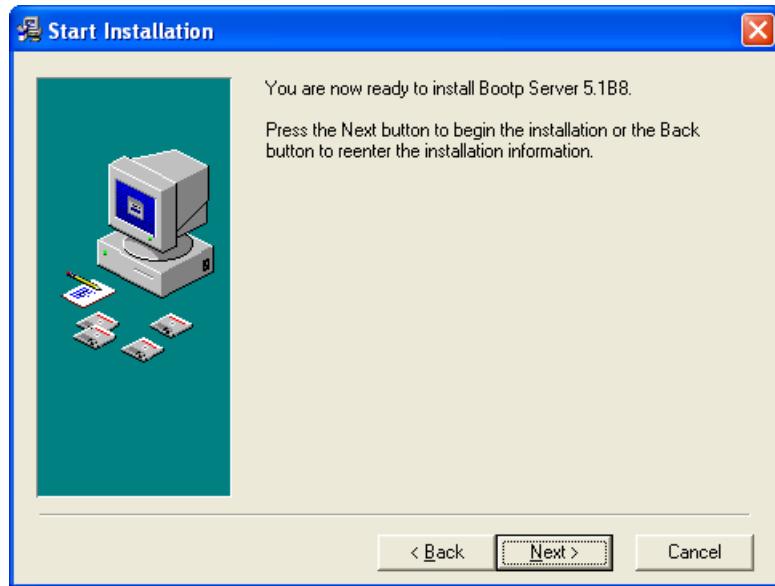


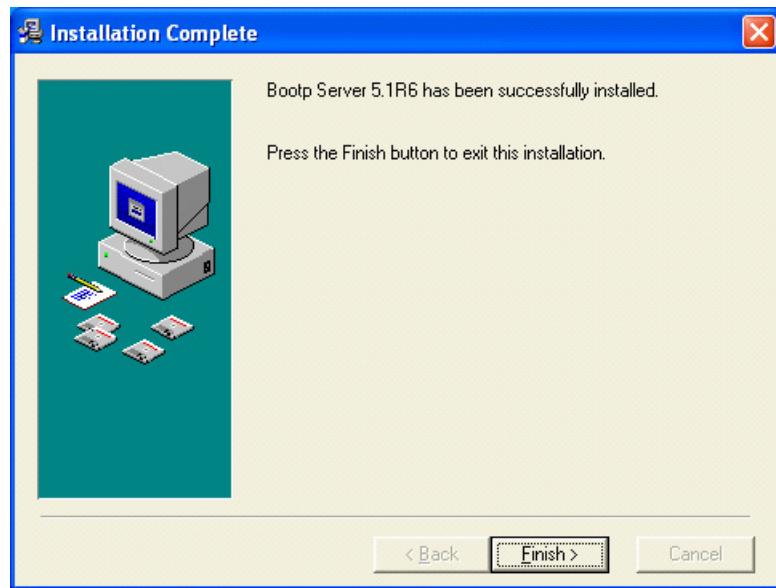
Figure 3-4 Start Installation dialog box

6. If a previous version of the BOOTP server is present on your computer, the installation program detects it and the **Bootp Installation** dialog box appears. Click **Yes, I want to upgrade it**, and then click **OK** (see Figure 3-5 on page 6).



Figure 3-5 Bootp Installation dialog box

7. In the **Installation Complete** dialog box, click **Finish** (see Figure 3-6 on page 7).



**Figure 3-6 Installation Complete dialog box**

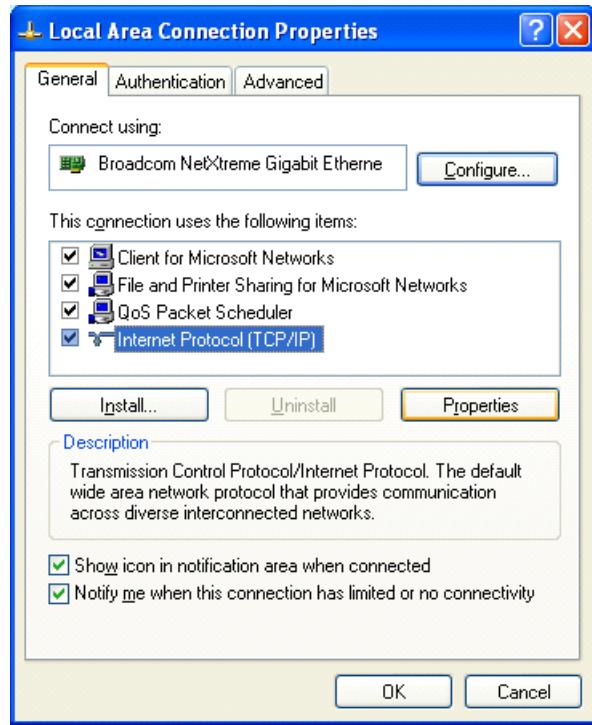
8. If a dialog box appears requesting that the computer be restarted to complete the installation, close all open applications and restart immediately.

## 4. Setting the TCP/IP Configuration

This section describes the procedure for setting up the TCP/IP protocol on the computer. The TCP/IP protocol must be installed and enabled on the computer to allow communication between R/D Tech® hardware and software products.

### To set the TCP/IP configuration

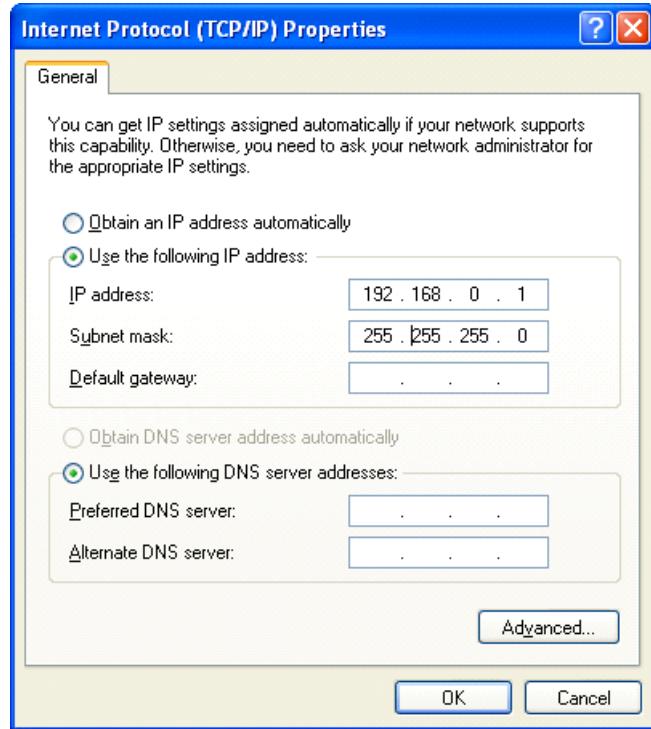
1. On the Windows® taskbar, click the **Start** button.
2. Click **Control Panel** and select **Network Connections**.
3. In the **LAN or High-Speed Internet** section, right-click on the name of the network adapter to which you are connecting the R/D Tech acquisition units, and then select **Properties** on the shortcut menu.
4. In the **Local Area Connection Properties** dialog box, click the **General** tab (see Figure 4-1 on page 9):
  - a) Verify that the **Internet Protocol (TCP/IP)** check box is present and selected.
  - b) If the **Internet Protocol (TCP/IP)** check box is not present in the list, you need to first install the **Internet Protocol (TCP/IP)** from the Windows XP CD. Refer to your Windows XP documentation for details.
  - c) If the **Internet Protocol (TCP/IP)** check box is present, select it, and then click **Properties**.



**Figure 4-1 Local Area Connection Properties dialog box**

5. In the **Internet Protocol (TCP/IP) Properties** dialog box, for the network adapter connecting the computer to R/D Tech acquisition units, Olympus NDT recommends using the configuration shown in Figure 4-2 on page 10.

The **IP address** 192.168.0.1 is part of a standard range of IP addresses reserved for local private networks.



**Figure 4-2 Internet Protocol (TCP/IP) Properties dialog box**

6. In the **Internet Protocol (TCP/IP) Properties** dialog box, click **OK**.
7. In the **Local Area Connection Properties** dialog box, click **OK**.

## 5. Configuring the BOOTP Server

The BOOTP server must be properly configured to allow communication between R/D Tech® hardware and software products.

### To configure the BOOTP server

1. On the Windows® taskbar, click the **Start** button.
2. Click **Control Panel** and double-click **Bootp server** in the **Control Panel** list.
3. In the **Bootp Server Configuration** dialog box (see Figure 5-1 on page 11), make sure that the IP address specified in the **Host server IP address** box is identical to the IP address of the network adapter connecting the computer to R/D Tech acquisition units, as recommended by Olympus NDT (see Figure 4-2 on page 10).

The BOOTP server will not start if the IP address specified in the **Host server IP address** box is different or missing.

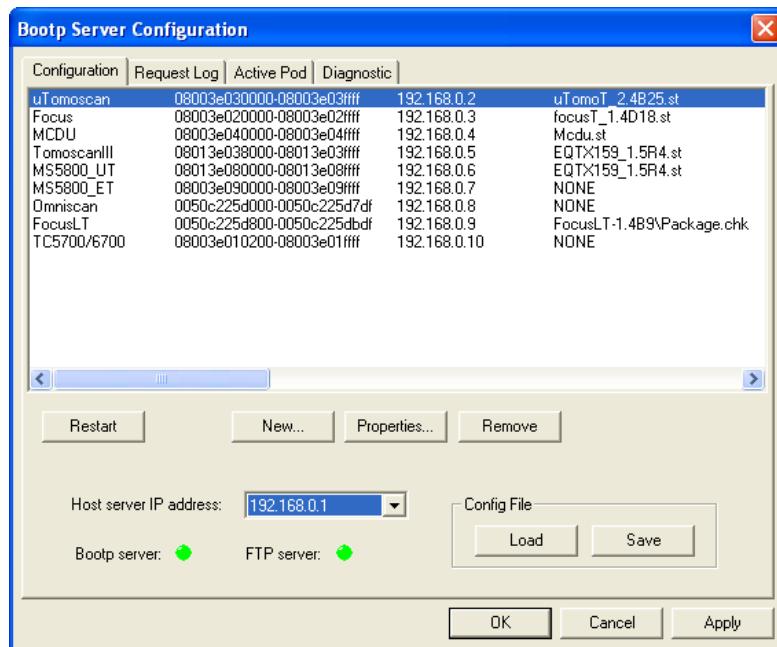
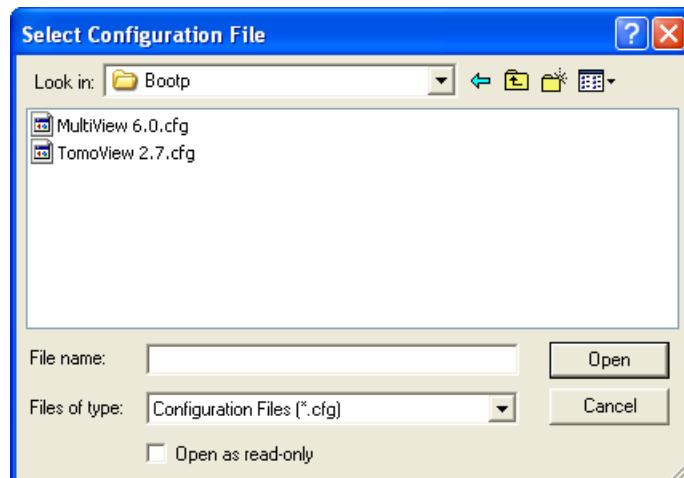


Figure 5-1 Bootp Server Configuration dialog box

4. In the **Config File** group box, click **Load** (see Figure 5-1 on page 11).
5. In the **Select Configuration File** dialog box (see Figure 5-2 on page 12), locate the directory where the BOOTP configuration files are stored.



**Figure 5-2 Select Configuration File dialog box**

6. Select the MultiView 6.0 and TomoView 2.7 configuration files and click **Open**.
7. In the **Bootp Server Configuration** dialog box, click **OK**.

## 6. Disabling the Windows® Firewall

This chapter explains how to turn off the Windows® firewall. This measure is taken to avoid communication problems between software and acquisition units caused by the Windows firewall.

### Disabling the Windows firewall

1. On the taskbar, click **Start**.
2. On the **Start** menu, click **Control Panel**.
3. In the **Control Panel** list, double-click **Windows Firewall**.

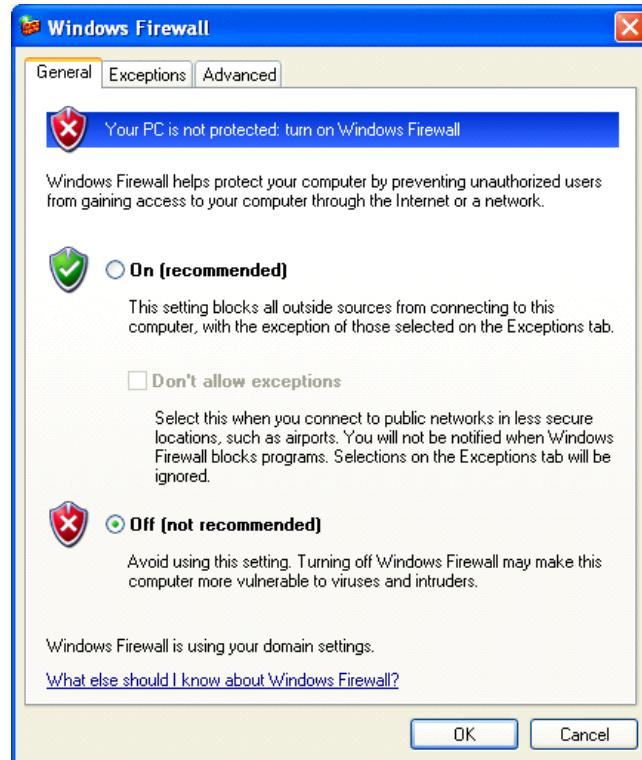


Figure 6-1 Windows Firewall dialog box

4. To disable the firewall for all programs, proceed as follows:
  - ◆ In the **Windows Firewall** dialog box, on the **General** tab, click **Off (not recommended)**, and then click **OK** (see Figure 6-1 on page 13).



**IMPORTANT**

Third-party firewalls or Internet worm protection, such as anti-virus software, might cause connection problems with the BOOTP server. They must also be turned off.

Your computer is now properly set up to work with MultiScan MS 5800™ systems.