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Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide  
**Contents**

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**Installing the Agilent 7500 Series  
ChemStation Software**

## Installing the Agilent 7500 Series ChemStation Software

This section explains how to set up the computer and install the ChemStation software G1834B (Rev. B.03.05 or later) for Windows XP.

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### WARNING



**Many computers have voltage selection switches, check for the correct setting according to your local supply before inserting the power cord.**

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### NOTE

Confirm the instrument is in shutdown mode before installing ChemStation. If the instrument is in standby mode, put the instrument into shutdown mode by pressing the shutdown switch on the underside of the right instrument cover. The instrument then transfers to shutdown mode (it takes approximately 5 minutes). When the instrument is in shutdown mode, the LED status indicator on the cover turns off.

If you are upgrading the ChemStation software from a previous version or reinstalling the ChemStation software put the instrument into shutdown mode via ChemStation before uninstalling ChemStation Software.

It is necessary to turn the instrument power on to download the firmware after installing the ChemStation Software.

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### CAUTION



The setup procedure in this section is a typical example. The procedure depends on the computer and printer.

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## Windows XP Configuration

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**NOTE** If the O/S is Windows 2000 / XP selectable install Windows XP.

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**NOTE** The partition for the ChemStation should be NTFS format.

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### Windows XP Configuration

#### 1 Turn on the computer and check the following BIOS settings.

- Power setting: Disabled (for example: Auto Suspend Timeout, Hard Drive Timeout, Modem Ring)
- Plug and Play: Enable

---

**NOTE** All items will not always appear.

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**NOTE** Refer to the computer's manual for the BIOS setting.

---

Following is a typical example.

Select F2 (F8 for VL420, F10 for Evo D510) during computer initialization, check that the following settings are correct. BIOS settings need not be changed for the dc7600, dc7100, dc7700 and D530.

**Table 1-1 BIOS Settings for Vectra VL400**

| Items                         | Setting  |
|-------------------------------|----------|
| Power >> Auto Suspend Timeout | Disabled |
| Power >> Modem Ring           | Disabled |
| Advanced > Plug & Play O/S    | Yes      |

## Installing the Agilent 7500 Series ChemStation Software

**Table 1-2 BIOS Settings for Vectra VL420**

| Items          | Setting |
|----------------|---------|
| Main >> PnP OS | YES     |

**Table 1-3 BIOS Settings for Evo D510**

| Items                       | Setting |
|-----------------------------|---------|
| Power >> Hard Drive Timeout | Never   |
| Power >> System Timeout     | Never   |

Exit and save the settings.

### 2 Start Windows XP.

The first time Windows XP is started, the setup wizard appears. Follow the instructions.

When you have completed the wizard steps, the computer will automatically restart.

### 3 Logon as Administrator.

User name: Administrator

Password: 3000hanover or blank

*(Depending on the computer)*

### 4 Setting display

Double-click **Display** in the Control Panel.

Select the **Theme** tab and confirm the following settings:

|       |            |
|-------|------------|
| Theme | Windows XP |
|-------|------------|

Select the **Screen Saver** tab and confirm the following settings:

|              |      |
|--------------|------|
| Screen Saver | None |
|--------------|------|



## Installing the Agilent 7500 Series ChemStation Software

Select the **Power** button and confirm the following settings.

|                     |       |
|---------------------|-------|
| Turn off monitor    | Never |
| Turn off hard disks | Never |
| System standby      | Never |

Select the **Settings** tab in Display Properties and confirm the following settings:

|                   |                     |
|-------------------|---------------------|
| Screen resolution | 1280 by 1024 pixels |
| Color quality     | Medium (16 bit)     |

Select the **Advanced** button in the Setting tab, and confirm the following settings.

|                     |          |
|---------------------|----------|
| Screen refresh rate | 75 Hertz |
|---------------------|----------|

\* If 75 Hertz does not work correctly, select OS default setting.

## 5 Setting taskbar

Double-click **Taskbar and Start Menu** in the Control Panel.

Select the **Start Menu** tab, and select the Start Menu.

Click OK.



## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software

#### 6 Folder Options

Right-click **Start** and open **Explore**.

Select **Tools>>Folder Options**.

Select the **View** tab and confirm the following settings:

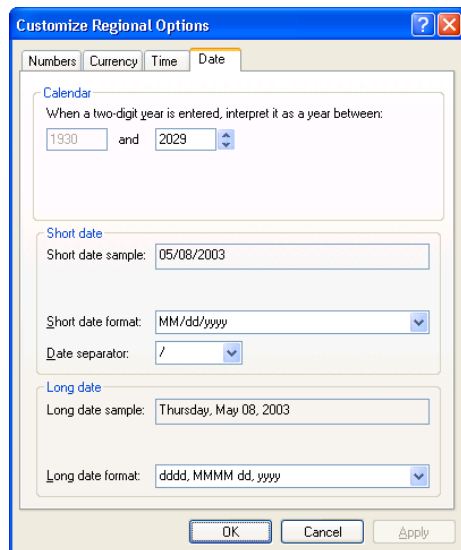
|         |                                           |
|---------|-------------------------------------------|
| Select  | Do not show hidden files and folders      |
| Set ON  | Hide file extensions for known file types |
| Set ON  | Hide protected operating system files     |
| Set OFF | Use simple file sharing                   |

#### 7 Format Day/Time

Double click the **Regional and Language Options** icon in the Control Panel.

Click the **Customize** button in the Regional and Language Options.

Select the **Date** tab and select **MM/dd/yyyy** in the Short Date Style box.



## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software

Select the **Time** tab and select **HH:mm:ss**.

The screenshot shows the 'Customize Regional Options' dialog box with the 'Time' tab selected. The 'Sample' section displays a time sample of '06:14:04'. Below this, the 'Time format' is set to 'HH:mm:ss', the 'Time separator' is ':', the 'AM symbol' is 'AM', and the 'PM symbol' is 'PM'. A text box provides 'Time format notation' with examples: 'h = hour', 'm = minute', 's = second', 't = am or pm'; 'h = 12 hour', 'H = 24 hour'; 'hh, mm, ss = leading zero'; and 'h, m, s = no leading zero'. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

Click on the **Number** tab and Select “.” (**Dot**) in the Decimal Symbol box.

The screenshot shows the 'Customize Regional Options' dialog box with the 'Numbers' tab selected. The 'Sample' section shows 'Positive: 123,456,789.00' and 'Negative: -123,456,789.00'. Below this, several settings are configured: 'Decimal symbol' is '.', 'No. of digits after decimal' is '2', 'Digit grouping symbol' is ',', 'Digit grouping' is '123,456,789', 'Negative sign symbol' is '-', 'Negative number format' is '-1.1', 'Display leading zeros' is '0.7', 'List separator' is ',', and 'Measurement system' is 'U.S.'. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

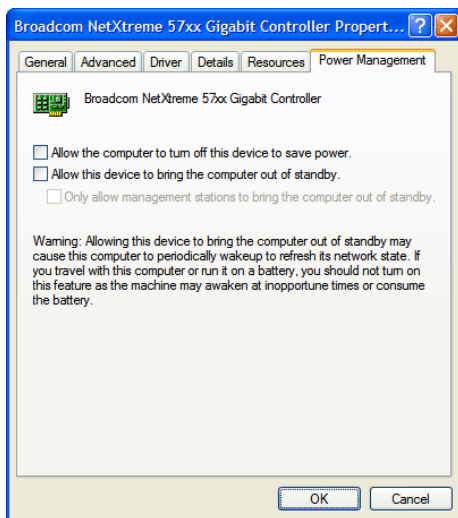
Click **OK**.

## Installing the Agilent 7500 Series ChemStation Software

8 Logon to Support, Chemist, and User. And set the same setting of step 4 through step 7.

### 9 Internet Protocol (TCP / IP) Properties

- 1 Logon as Administrator.
- 2 Double click *Network Connections* icon in the Control Panel.
- 3 Right click *Local Area Connection*, select *Properties*.
- 4 Click *Configure...* under *Connect using*.
- 5 Click the *Power management* tab.
- 6 Uncheck the *Allow this computer to turn off the device to save power* checkbox and click OK.



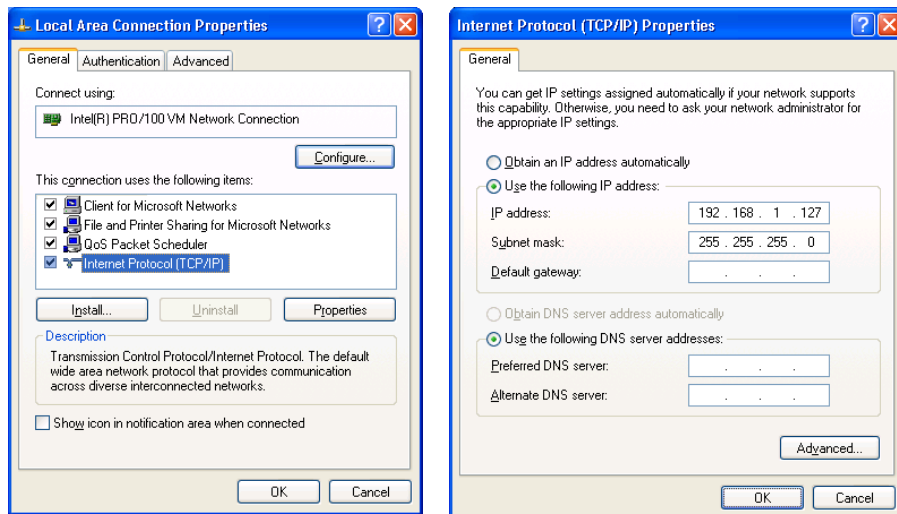
7 In the Local Area Connection Properties screen, select *Internet Protocol (TCP / IP)*, select *Properties*.

8 Input the following information for a simple direct connection.

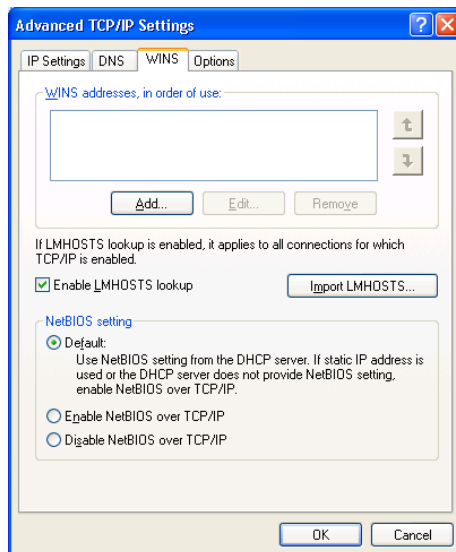
**IP address :** 192.168.1.127  
**Subnet mask :** 255.255.255.0

## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software



- 9 Click **Advanced** button, select **WINS** tab, then check the **Enable LMHOSTS lookup** box.



- 10 Click **OK**.

**Installing the Agilent 7500 Series ChemStation Software****NOTE**

If you connect the instrument to the local network, you will need to talk with the network administrator. You may want to call your local Agilent Call Center for additional assistance. Please refer also to Appendix E “Use of a Switching Hub” in the Agilent 7500 Series ICP-MS ChemStation Operator’s Manual.

To connect to site LAN, you are expected to understand the Windows XP operating system and TCP/IP networking, such as host name, IP address, subnet mask settings. You should also be familiar with the particular hardware devices and configurations of your organization's local area network.

Agilent Technologies is not responsible for any software problems, LAN configuration conflicts or performance problems that may result when a system is connected to a non-isolated LAN.

**Creating User Account**

Create User Account as follows:

| User Name     | Description                       | Password    | Password property                                                                            | Group          |
|---------------|-----------------------------------|-------------|----------------------------------------------------------------------------------------------|----------------|
| Support       | Product Support                   | HPCE        | Select <b><i>Password never expires</i></b> check box only. Do not select other check boxes. | Administrators |
| Chemist       | ChemStation Chemist               | hp          | Select <b><i>Password never expires</i></b> check box only. Do not select other check boxes. | Power Users    |
| User          | ChemStation User                  |             | Select <b><i>Password never expires</i></b> check box only. Do not select other check boxes. | Users          |
| Administrator | (keep the displayed description.) | 3000hanover | Select <b><i>Password never expires</i></b> check box only. Do not select other check boxes. | Administrators |

To create or modify the user account, complete the following steps:

- 1 Logon as Administrator.**
- 2 Select *Administrative Tools>>Computer Management* in the Control Panel.**
- 3 Select *Local Users and Groups>>Users* in the left area of the Computer Management.**

## Installing the Agilent 7500 Series ChemStation Software

- 4 Right-click the user name, then select *Set Password* and set the password for each user name.

---

**NOTE**

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To create a new user account, select *Action>>New User* menu in the Computer Management.

- 5 Right-click the user name, then select *Set Properties*.
- 6 Enter the Description and set the password properties.
- 7 Select *Member Of* tab, then click *Add* button.
- 8 Click *Advanced* button in Select Groups.
- 9 Click *Find Now* button, then select the group name and click *OK*.
- 10 Close the *Computer Management* after setting the users.

---

**NOTE**

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When creating a new user, set the same settings as sections 4 through section 7.

---

**CAUTION**

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The local user account in this section is a typical example. The information contained in this section is subject to change without notice.

# Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

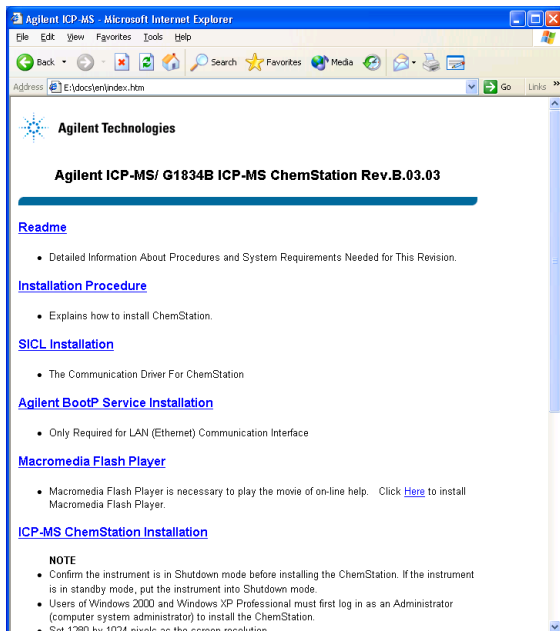
## Installing the Agilent 7500 Series ChemStation Software

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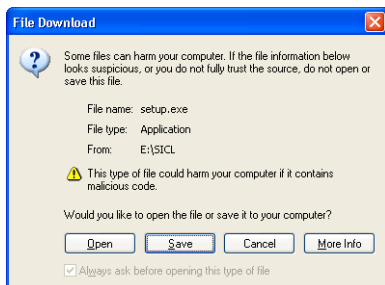
### I/O Library Setup

#### 1 Insert Agilent ICP-MS ChemStation System Disk into CD-ROM Drive.

Internet Explorer automatically appears. Click **SICL Installation**.



#### 2 Click **Open**.



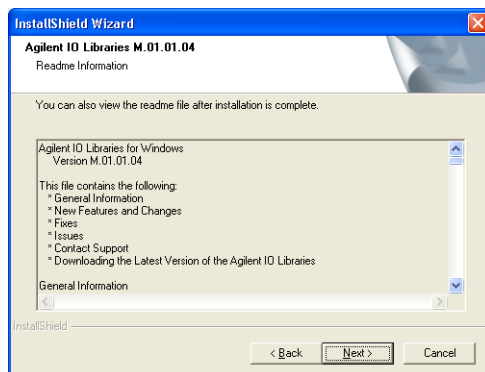
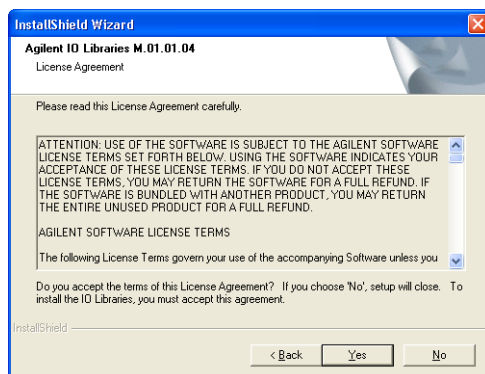
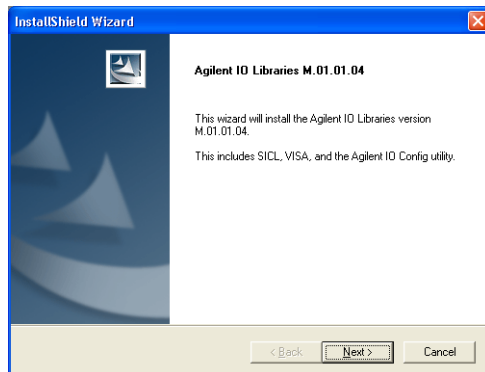


# Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

## Installing the Agilent 7500 Series ChemStation Software

### 3 InstallShield Wizard

Click *Next* or *Yes*

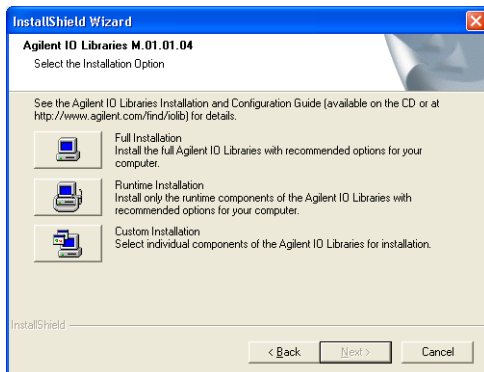


# Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

## Installing the Agilent 7500 Series ChemStation Software

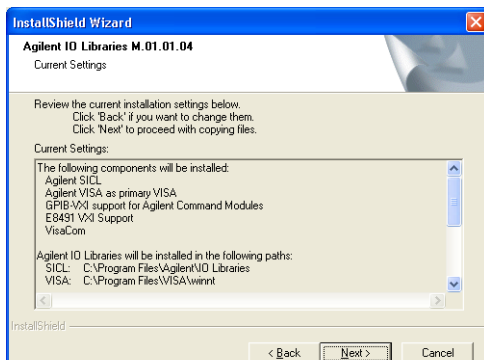
### 4 Select Installation Option

Select **Full Installation**. Then Click **Next**



### 5 Current Setting

Click **Next**



Installation status is shown. Wait until installation has completed.

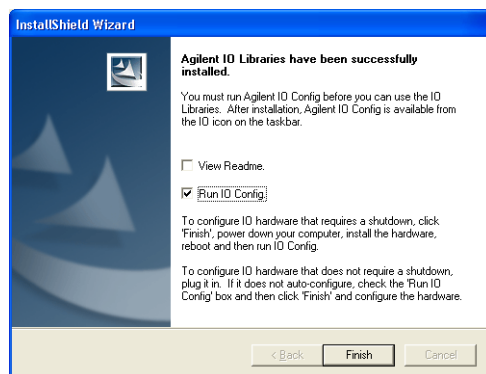
### 6 Installation Completion

When the installation is complete, the following dialog box will appear.

# Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

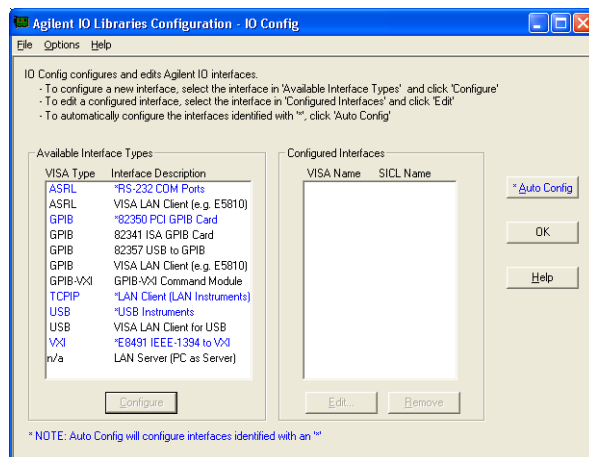
## Installing the Agilent 7500 Series ChemStation Software

Select [RUN IO Config]. And Click *Finish*.

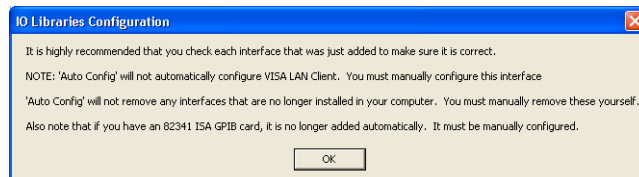


### 7 IO Config

Following dialog box will appear. Click [Auto Config].



Following message will appear. Click *OK*.



COM Port, Serial Port and LAN Setting is completed.

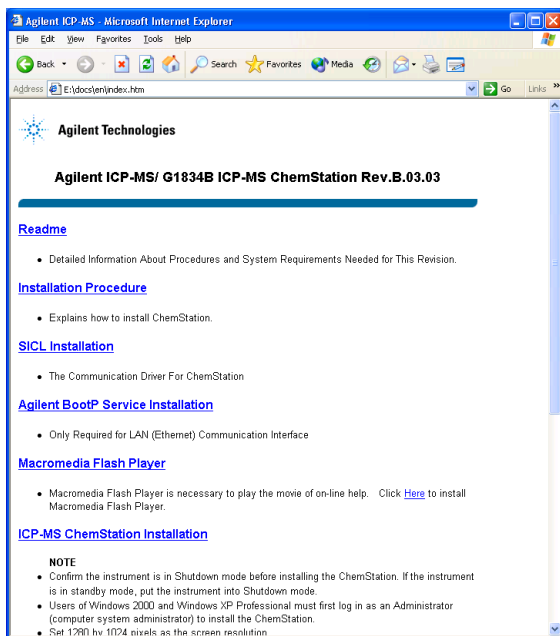
# Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

## Installing the Agilent 7500 Series ChemStation Software

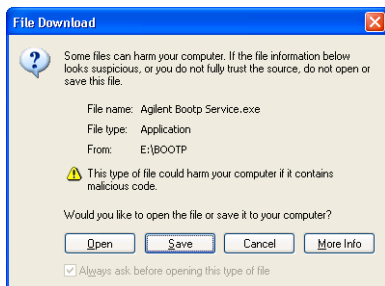
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## BootP Service Setup

### 1 Click *Agilent BootP Service Installation*.



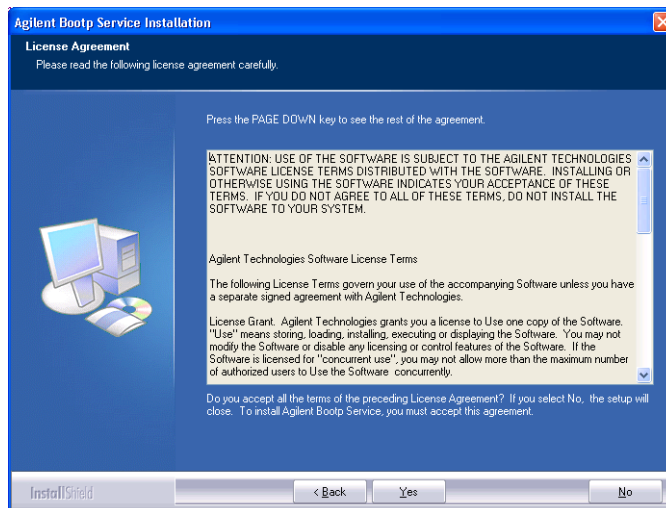
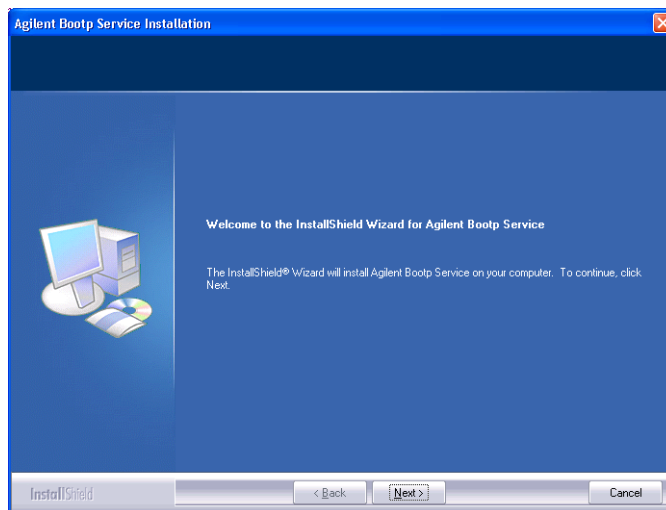
### 2 Click *Open*.



## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software

- 3 Installation Wizard will appear.**  
Click *Next* or *Yes*.



Installation status is shown. Wait until installation has completed.

- 4 The Bootp Settings dialog box appears.**

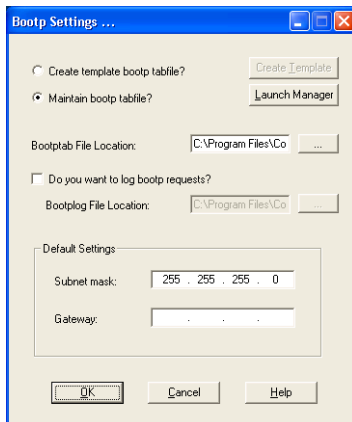
## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software

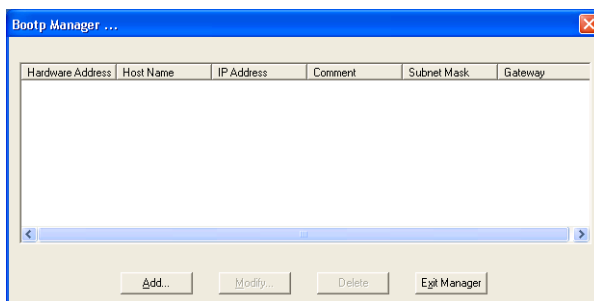
- 5 Select *Maintain bootp tabfile?*, enter the value of the Subnet mask, then click *Launch Manager*.

Subnet mask: 255.255.255.0

Keep the displayed location of the Bootptab File Location.



The BootP Manager appears.



- 6 Click *Add* button.
- 7 Enter the parameters.

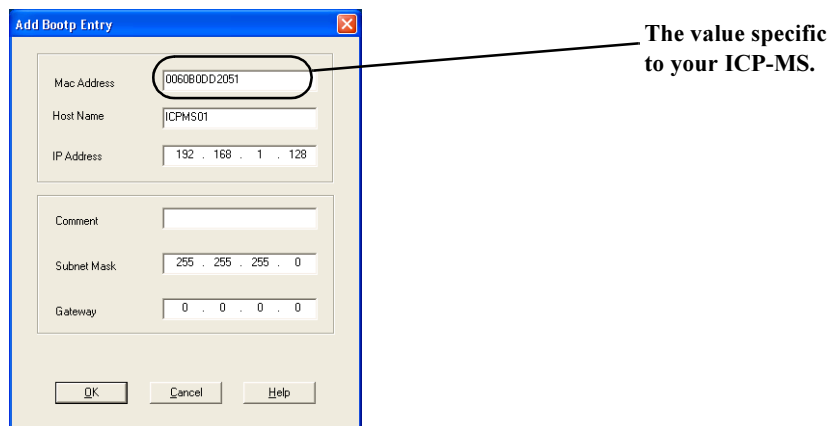
**MAC Address:** Enter the MAC Address of the Agilent 7500. Refer to the next step to find the MAC Address.

**Host Name:** any name

**IP Address:** 192.168.1.128 (default)

**Subnet Mask:** 255.255.255.0 (default)

## Installing the Agilent 7500 Series ChemStation Software



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### NOTE

After installing the ChemStation software, you must set the same IP address in the ICP-MS Configuration Window as set in the Bootp configuration window.

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### NOTE

The Host Name must be entered.

Host name is restricted to the following characters only:

alphabet (A-Z), digits (0-9), and hyphen (-).

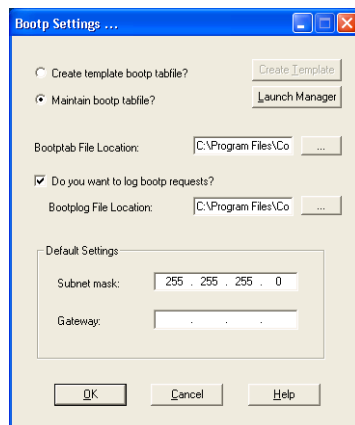
No distinction is made between upper and lower case. The first character must be an alpha character. The last character must not be a hyphen.

---

### 8 If a paper notification of the MAC Address is not attached, complete the following steps to get the MAC Address.

- 1 Select *Maintain bootp tabfile?*.
- 2 Select *Do you want to log bootp requests?*. Keep the displayed location of the **Bootplug File Location**.
- 3 Enter the *Subnet mask* (255.255.255.0).

## Installing the Agilent 7500 Series ChemStation Software



- 4 Click **OK**.
- 5 Reboot the computer.

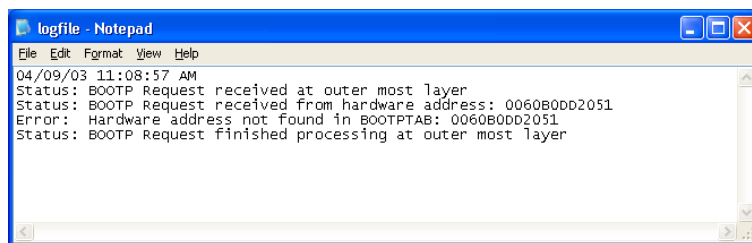
---

### NOTE

---

If the PC and the ICP-MS are connected to site LAN, disconnect the cable from site LAN. This will avoid having an incorrect MAC Address from other hardware.

- 6 Logon the computer as *Support*.
- 7 Turn off the power of the Agilent 7500, then turn on the power.
- 8 Right-click **Start** button, then select **Explore**.
- 9 Select *C:\ProgramFiles\CommonFiles\AgilentShared\BootP\bin\logfile*. Right-click **logfile**, select **Open**. Select Notepad in **Open With** screen, then click **OK**. MAC Address is shown after “Hardware Address” in the Notepad. MAC Address of the Agilent 7500 starts with “0060B0.... or 0030D0....”.





## Installing the Agilent 7500 Series ChemStation Software

**10** Select **Start>>All Programs>>Agilent BootP Service>>Edit BootP Settings**, then click **Launch Manager** button. Click **Add** in the Bootp Manager. Copy and paste the MAC Address from the logfile. Enter the Host Name, the IP Address, and the Subnet mask. Refer to the earlier steps.

**11** After setting, return to the **Bootp Settings**. Remove check at *Do you want to log bootp requests?*.

**9** Close the *Bootp Settings*.

**10** Reboot the computer.

---

**NOTE**

---

Reboot the computer after changing the Bootp Settings.

---

**NOTE**

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If you connect the instrument to the local network, you will need to talk with the network administrator. You may want to call your local Agilent Call Center for additional assistance. Please refer also to Appendix E “Use of a Switching Hub” in the Agilent 7500 Series ICP-MS ChemStation Operator’s Manual.

To connect to site LAN, you are expected to understand the Windows XP operating system and TCP/IP networking, such as host name, IP address, subnet mask settings. You should also be familiar with the particular hardware devices and configurations of your organization's local area network.

Agilent Technologies is not responsible for any software problems, LAN configuration conflicts or performance problems that may result when a system is connected to a non-isolated LAN.

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## Printer Setup

This section describes the printer setup.

The printer setup will execute automatically when you connect the printer and the computer with the cable and turn on the power. If the printer setup does not execute automatically, complete the following steps to setup the printer.

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**NOTE**

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Use the printer driver included in Windows XP.

## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software

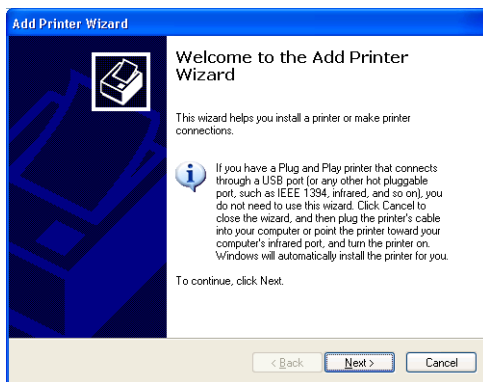
**1 Go to *Start>>Printers and Faxes*.**

The *Printers and Faxes* screen appears.

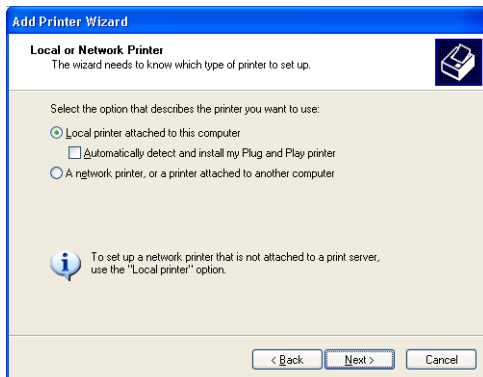
**2 Delete the *HP Laser Jet 4000 PCL5e* and the *HP Laser Jet*; if these printer drivers are pre installed.**

**3 Double-click *Add Printer*.**

The *Add Printer Wizard* appears. Click *Next*.



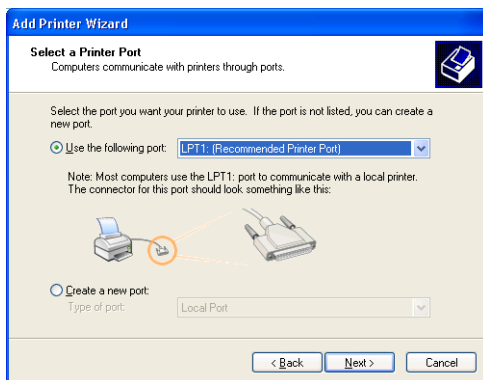
**4 Select *Local printer* and remove check at *Automatically detect and install my Plug and Play printer*. Then click *Next*.**



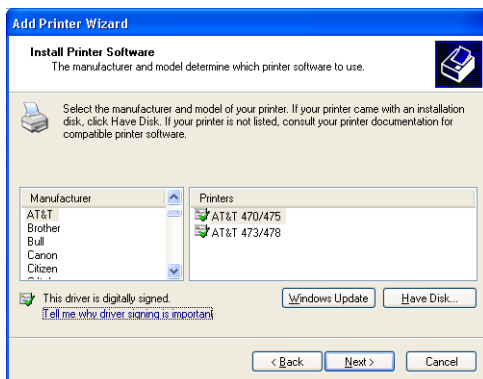
## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software

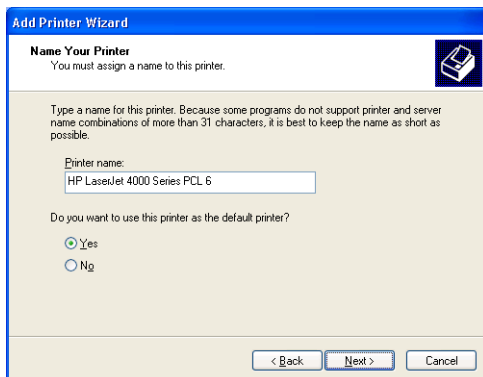
- 5 Depending on the cable attached to the printer, the selection of Printer Port is variable. If the attached cable is a Printer Cable, select LPT1 and click *Next*.**



- 6 Select the printer name and click *Next*.**



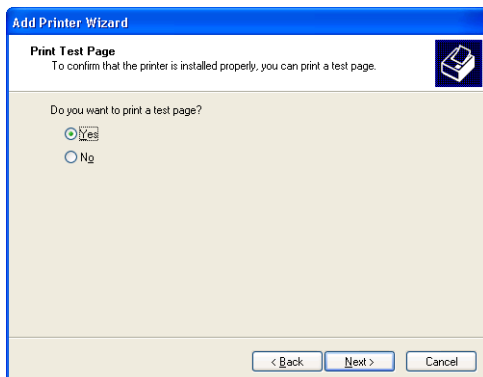
- 7 Select *Yes*.**



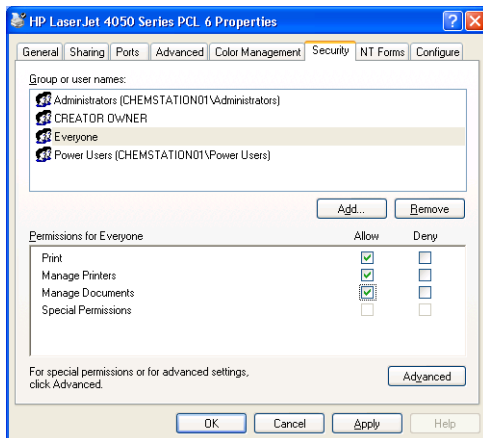
## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software

- 8 Select *Do not share this printer.*
- 9 Select *Yes* or *No* and click *Next*.  
If you select *Yes*, confirm *Test Page*.



- 10 Click *Finish* to complete driver installation.  
The printer driver is now installed.
- 11 Right-click the appropriate printer in the printer window, then select *properties*.
- 12 Select *Security* tab. Select *Everyone* in the Group or user name. Select *Allow* check box of Print, Manage Printers, and Manage Documents.



- 13 Click *OK*.

# Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

## Installing the Agilent 7500 Series ChemStation Software

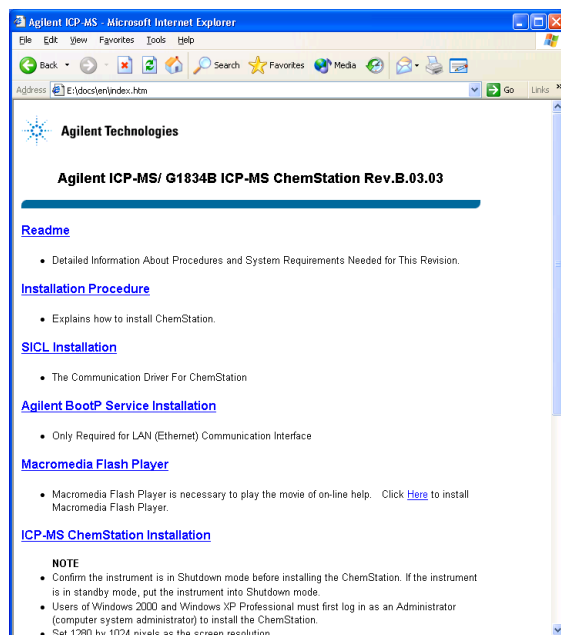
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### Installing the FlashPlayer

Macromedia Flash Player is necessary to play the movies in the on-line help.

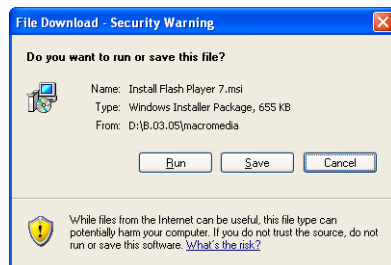
#### 1 Insert Agilent ICP-MS ChemStation System Disk into CD-ROM Drive.

Internet Explorer automatically appears. Click *Macromedia Flash Player*.



#### 2 Click *Run*.

FlashPlayer is now installed.



---

## **Installing the Agilent 7500 Series ChemStation Software**

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**NOTE**

Before installing the ICP-MS ChemStation software, the following must be installed.

- Microsoft Windows XP Service Pack 2
  - SICL driver (I/O Libraries ver. M.01.01.04 or later)
  - Agilent BootP Service
  - Internet Explorer 6 Service Pack 1
- 

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**NOTE**

To use the LC/GC ChemStation, install the LC/GC ChemStation before installing the ICP-MS ChemStation, or without installing the chromatographic software.

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**NOTE**

200 MB or more (hard disk space) is required to install the ChemStation software.

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**NOTE**

Confirm the instrument is in shutdown mode before installing ChemStation. If the instrument is in standby mode, put the instrument into shutdown mode by pressing the shutdown switch on the underside of the right instrument cover. The instrument then transfers to shutdown mode (it takes approximately 5 minutes). When the instrument is in shutdown mode, the LED status indicator on the cover turns off.

If you are upgrading the ChemStation software from a previous version or reinstalling the ChemStation software put the instrument into shutdown mode via ChemStation before uninstalling ChemStation Software.

It is necessary to turn the instrument power on to download the firmware after installing the ChemStation Software.

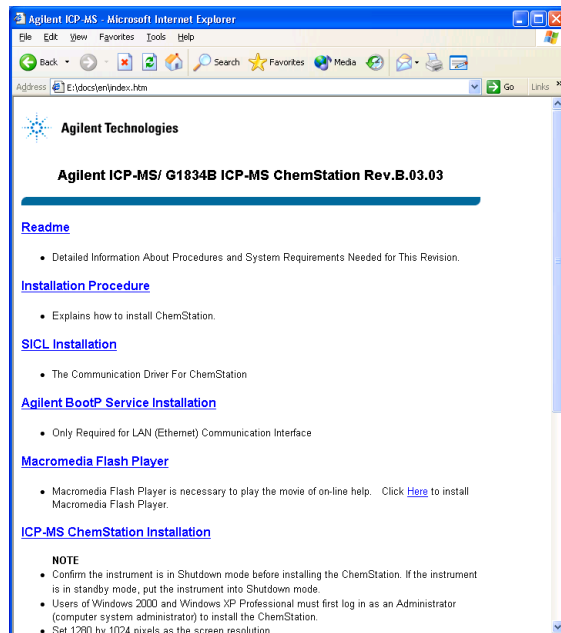
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# Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

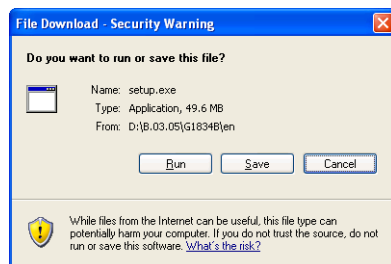
## Installing the Agilent 7500 Series ChemStation Software

### 1 Insert the ICP-MS ChemStation System Disk into the CD-ROM drive.

Internet Explorer automatically appears. Click **ICP-MS ChemStation Installation**.



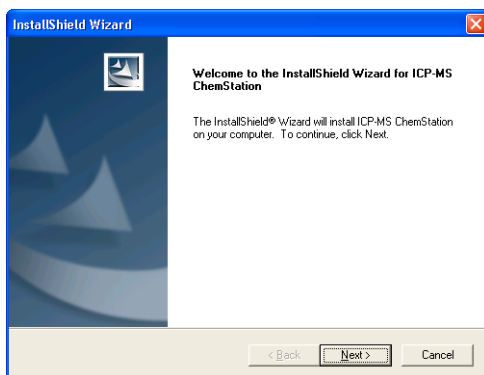
### 2 Click **Run**.



## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

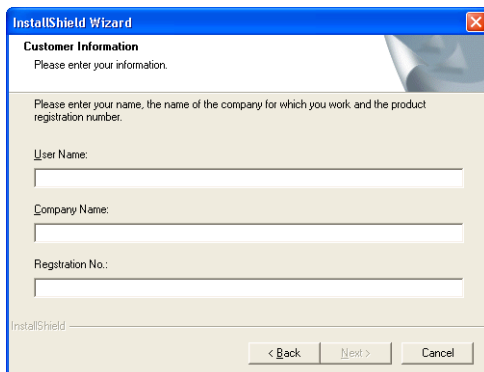
### Installing the Agilent 7500 Series ChemStation Software

#### 3 Click *Next*

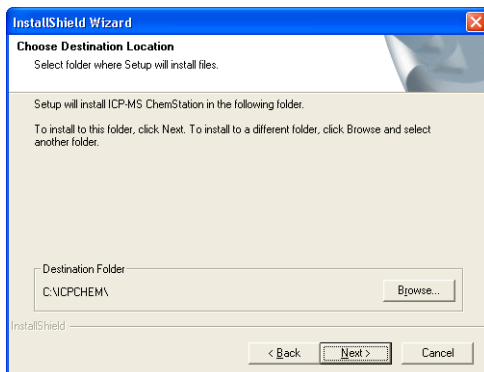


#### 4 Registration dialog box appears.

Enter the User Name and the Company Name.  
Input *Reg#* that is in the registration pack, then click *Next*.



#### 5 Select the destination folder, then click *Next*.





## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software

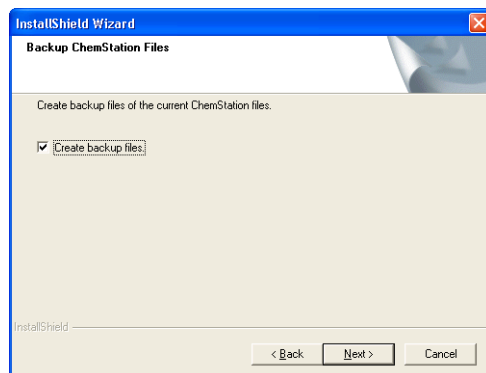
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**NOTE**

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If ChemStation is already installed, this screen does not appear.

#### 6 *Backup ChemStation Files* dialog box appears.



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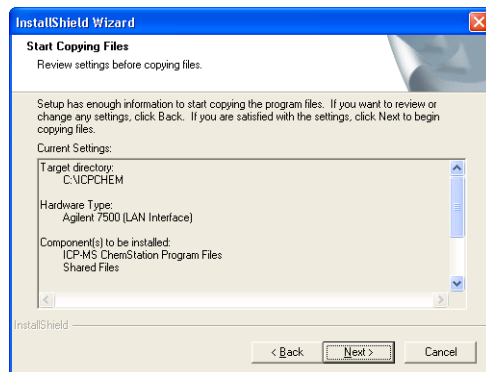
**NOTE**

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If ChemStation is not installed yet, this screen does not appear.

Please make a backup of the existing ChemStation. To backup the existing ChemStation, check Create Backup Files and click *Next* (When Create Backup Files is checked, specify the directory in which to create the backup in the next step). If the PC hard disk does not have sufficient free space, remove the check from Create Backup Files and click *Next*. In this case, files in the ICPCHEM folder will be deleted or overwritten.

#### 7 *Start Copying Files* dialog box appears.

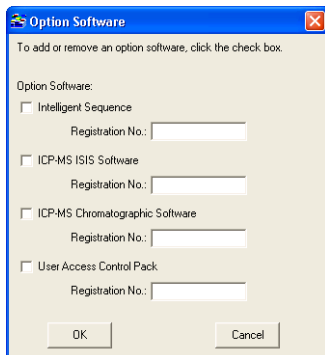


Click *Next*.

## Installing the Agilent 7500 Series ChemStation Software

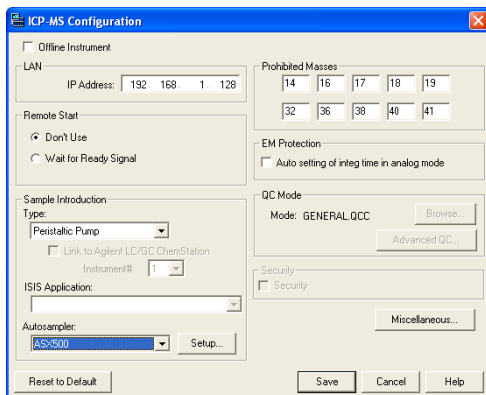
### 8 Follow the displayed message, install the ChemStation software and Help files.

After installation, the *Option Software* dialog box appears.



Select the optional software which is to be added and enter the registration numbers (they are in the registration pack when purchased).

### 9 Click *OK*, then *ICP-MS Configuration* dialog box appears.



### 10 Set the IP address for LAN connection.

ICP-MS and ChemStation are connected via LAN cable.

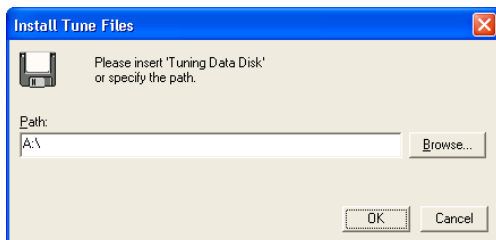
- The IP address must be the same as that set in the BootP configuration window.

If Offline Instrument is selected you cannot set the LAN address.

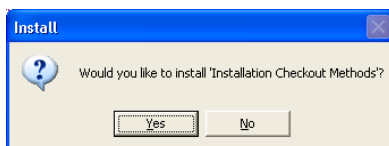
## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software

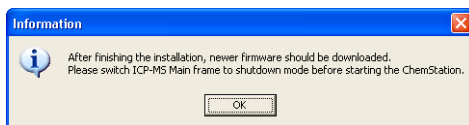
- 11 Insert G1833-60840 Parameter Disk Assy into Floppy disk driver and click **OK**.



- 12 Click **Yes** if you need the “Installation Checkout Method”.



- 13 The *Readme.txt* appear. Read the *Readme.txt* and Exit the *Readme.txt*.
- 14 The message asking for the Agilent 7500 to be placed in shutdown mode is displayed. Click **OK**.



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#### NOTE

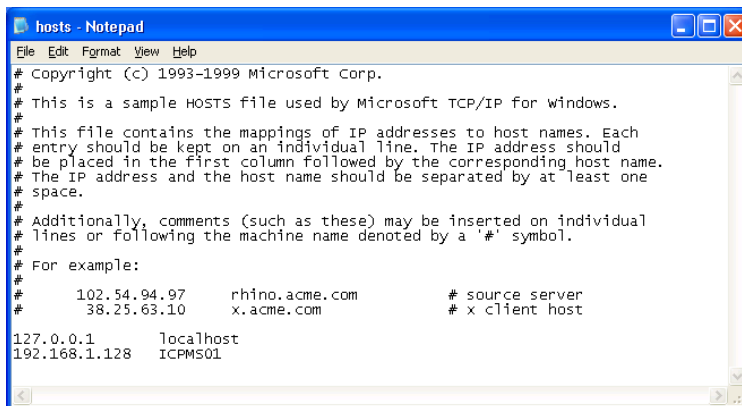
If the instrument is not in shutdown mode, press the shutdown switch on the underside of the right instrument cover. The instrument transfers to shutdown mode (it takes approximately 5 minutes). When it is in shutdown mode, the LED status indicator on the cover turns off.

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- 15 Reboot the computer.
- 16 Install the Patch File if necessary. Refer to the section “Installation of the Patch Files”.

## Installing the Agilent 7500 Series ChemStation Software

- 17 Select **Start>>All Programs>>ICP-MS ChemStation>>Edit hosts**. Enter the IP Address and the Host Name of Agilent 7500 which is setup in the BootP Service. Save the host file.



- 18 Reboot the computer.
- 19 Turn off the power of the Agilent 7500. Confirm the LAN cable connection between the Agilent 7500 and the computer. Then turn on the Agilent 7500.

### CAUTION



After restarting the computer, turn off and then turn on the Agilent 7500. For Windows XP SP2, firewall setting is required. For the setting, refer to the section “Changing Windows Firewall Settings to Run ICP-MS ChemStation Under Windows XP SP2”.

### CAUTION



Do not close the ICP-MS ChemStation or start any other application during the firmware download.

- 20 Start the ICP-MS ChemStation and download the firmware.

Double click ICP-MS Top.

When the *ICP-MS Top* window appears, download of the firmware starts automatically (it takes approximately 10 minutes).

- 21 Go to standby mode.

Select *Vacuum>>Vacuum ON* from the ICP-MS Instrument Control window to go to standby mode.

## Installing the Agilent 7500 Series ChemStation Software

### CAUTION



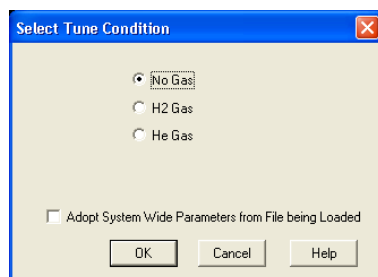
Do not specify \*.B, \*.D, \*.M, \*.C, or long file names as ChemStation installation destinations. If these are specified, there is a possibility that the various methods, data, data batch, and calibration cannot be loaded.

## Initialization of a Tune File to the Factory Default Condition

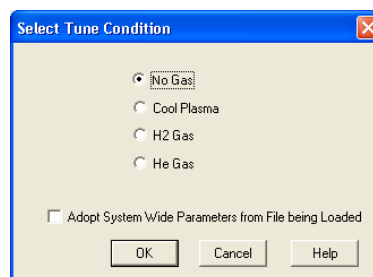
The following procedure allows initialization of a tune file to the factory default condition.

- 1 Select *Top* window >> *Instrument* >> *Tuning*.
- 2 Select *File* >> *Load Factory Defaults*.

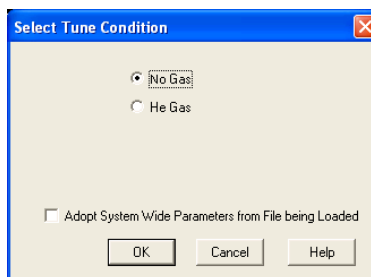
The *Select Tune Condition* dialog box will appear.



7500ce Display



7500cs Display



7500cx Display

## Installing the Agilent 7500 Series ChemStation Software

### 3 Select the tune file to return to the factory default condition.

The tune files displayed will vary depending upon the model.

- 7500a: No tune file is displayed.
- 7500ce: No Gas, H<sub>2</sub> Gas, He Gas
- 7500cs: No Gas, Cool Plasma, H<sub>2</sub> Gas, He Gas
- 7500cx: No Gas, He Gas, H<sub>2</sub> Gas (if H<sub>2</sub> gas option is installed)

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#### NOTE

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#### Adopt System Wide Parameters from File being Loaded

Check the box “Adopt System Wide Parameters from File being Loaded” to use the system wide parameters contained in the file being loaded (the factory defaults) and apply them as new system wide parameters. The system wide parameters present in the file to be loaded (the factory defaults) will overwrite and replace the current “system wide parameter” settings.

### 4 Click **OK**.

The selected tune file will be initialized to the factory default condition.

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## Installation of the Patch Files

When reinstalling ChemStation in which a patch file(s) had been installed, it is necessary to install the patch file(s) after reinstalling ChemStation.

You can update the ChemStation Revision by installing the patch file. You can download the patch file from following URL:

[http://www.chem.agilent.com/scripts/cag\\_checkreg.asp](http://www.chem.agilent.com/scripts/cag_checkreg.asp)

- 1 Verify the instrument is in shutdown mode. If the instrument is in standby mode, put the instrument in shutdown mode from the ChemStation, then close ChemStation.
- 2 Click **Configuration** and note the current Configuration settings (e.g. Auto Sampler, Tray setting, QC Mode). Configuration will be set to default settings after installing the Patch File.
- 3 Close ChemStation and reboot your PC.
- 4 Copy “arpatch.exe” to \icpchem\icpexe\.

## Installing the Agilent 7500 Series ChemStation Software

- 5 Copy the patch file “g1834b\_0X\_0X\_00X.ptf” in any temp directory e.g. \temp.
- 6 Select **Start >> Programs >> ICP-MS ChemStation >> Install Patch File**
- 7 Patch file installer for ChemStation window will open. Click **Patch files...** and select the patch file which has been copied in “Step 5”. Click **Install**.
- 8 ICP-MS Configuration dialog box will open, then click **Save**. The Readme.txt will open. Read the Readme.txt then close.
- 9 “Patch File were installed completely” dialog box will appear. Then Click OK.
- 10 Turn the instrument power OFF and ON.
- 11 Click Configuration and input the information recorded in step 2. Then Click **Save**.
- 12 Click **ICP-MS Top** and put the instrument in Standby mode.

Installation of the patch file is complete.

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### NOTE

The patch installer scans the suitability of the ChemStation software version and patch file, and only installs the necessary patch files.

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## Changing Windows Firewall Settings to Run ICP-MS ChemStation Under Windows XP SP2

### Introduction

This section describes the changes in settings that need to be made to run the ICP-MS ChemStation on PCs running Windows XP SP2.

Follow the description in this section to change your Windows Firewall settings and enable the ICP-MS program and Bootp Server/Client port communications.

Target Programs: icpacq.exe and icptune.exe

Target Ports: 67 TCP/UDP and 68 TCP/UDP

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### NOTE

It is NOT necessary to change Windows Firewall settings if Windows XP SP2 is not installed on your PC.

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## Installing the Agilent 7500 Series ChemStation Software

### CAUTION



If the Agilent 7500 is connected to the ICP-MS ChemStation through the site LAN, any change in settings may affect the entire network. Consult with your network administrator before changing the settings.

### CAUTION



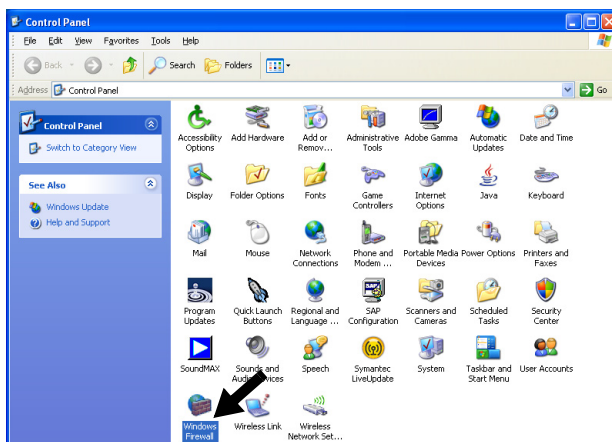
Change your Windows Firewall settings after installing the ICP-MS ChemStation (Install the ICP-MS ChemStation software if you have not yet done so).

## Changing the Windows Firewall Configuration

As described in the following steps, enable communications for programs icpacq.exe and icptune.exe and ports 67 and 68. The detailed port settings to be made are as follows:

| Name                | Port No. | TCP/UDP |
|---------------------|----------|---------|
| Bootp Client 68 TCP | 68       | TCP     |
| Bootp Client 68 UDP | 68       | UDP     |
| Bootp Server 67 TCP | 67       | TCP     |
| Bootp Server 67 UDP | 67       | UDP     |

- 1 Logon to Windows as a user with Administrator privileges.
- 2 Open the Control Panel from the Windows *Start* button and double-click the *Windows Firewall* icon.



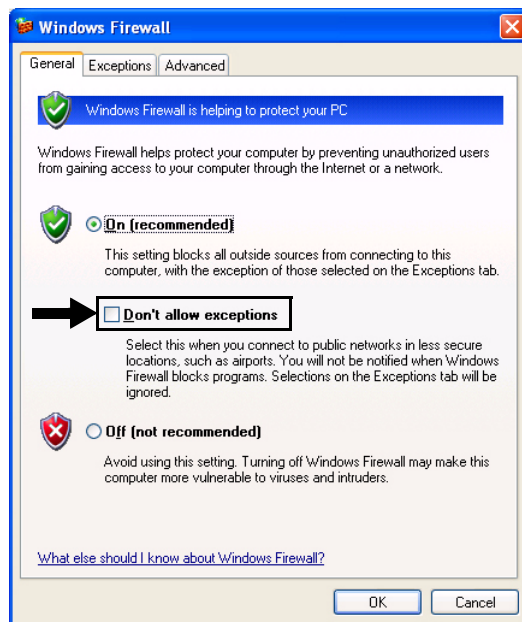
The *Windows Firewall* dialog box appears.



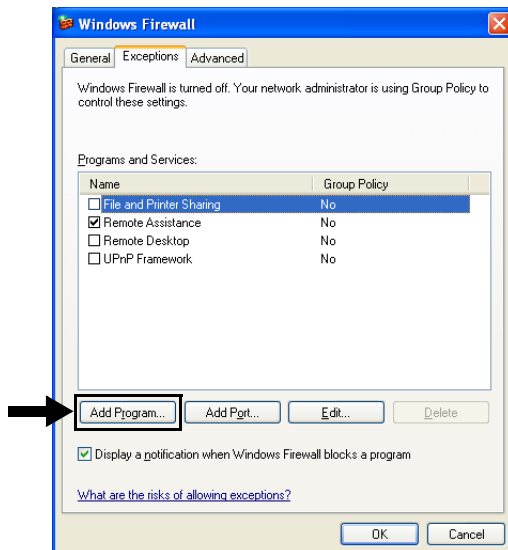
## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software

- 3 Click the **General** tab, then select **On (recommended)** and uncheck the **Don't allow exceptions** checkbox.



- 4 Click the **Exceptions** tab first, then the **Add Program...**

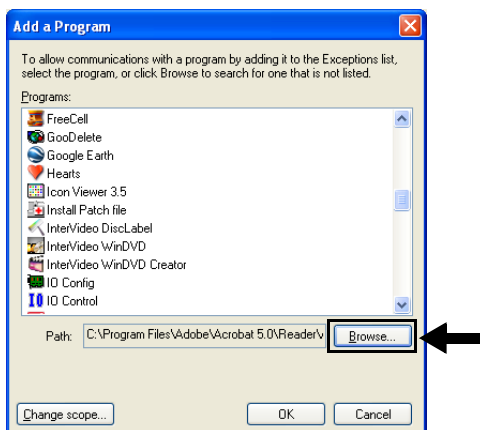


The **Add a Program** dialog box appears.

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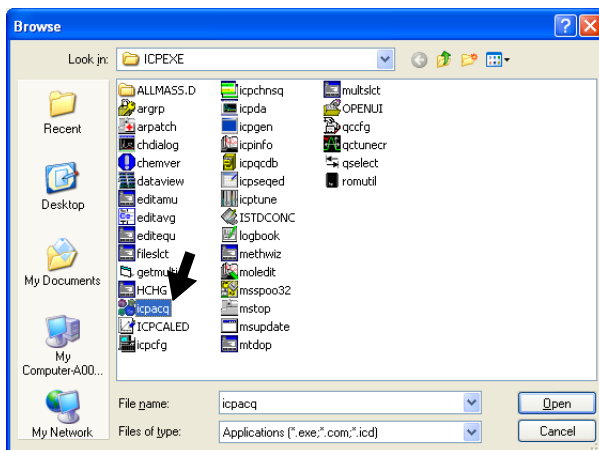
### Installing the Agilent 7500 Series ChemStation Software

#### 5 Click **Browse....**



The **Browse** dialog box appears.

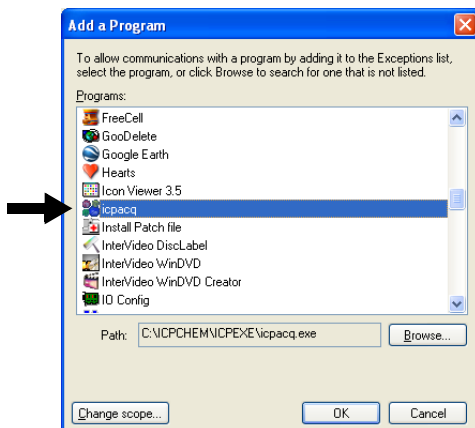
#### 6 Click **My Computer** from the list on the left hand side of the **Browse** dialog box. Select **(C:) --> ICPCHEM --> ICPEXE --> icpacq.exe** from the list on the right. Confirm selection of “icpacq.exe” as shown in the screen below, then click **Open**. If the ChemStation has been installed into a drive other than C:, specify the correct drive.



The **Add a Program** dialog box appears.

## Installing the Agilent 7500 Series ChemStation Software

- 7 Confirm “icpacq.exe” is listed in the *Add a Program* dialog box, then select “icpacq.exe” and click *OK*.



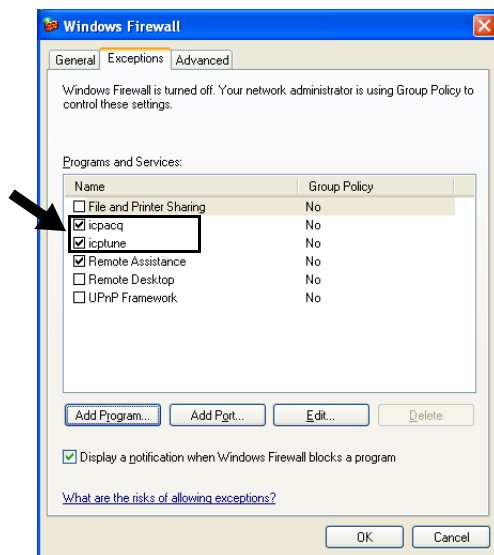
The *Windows Firewall* dialog box appears.

- 8 Confirm “icpacq.exe” is added to *Program and Services* in the *Windows Firewall* dialog box.
- 9 Add “icptune.exe” in the same way as described in steps 4 to 8.
- 10 Confirm that “icpacq.exe” and “icptune.exe” have been added to the *Windows Firewall* dialog box.

## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software

#### 11 Click the *Add Port....*

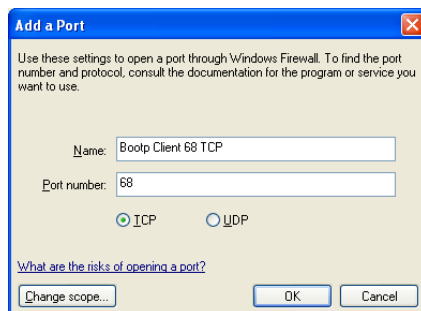


The *Add a Port* dialog box appears.

Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide  
**Installing the Agilent 7500 Series ChemStation Software**

**12 Set the following items and click *OK*.**

- Name: Type in “Bootp Client 68 TCP.”
- Port Number: Type in “68.”
- Click to select TCP or UDP. Here, select TCP.



**13 Follow Steps 11 and 12 to add three more ports.**

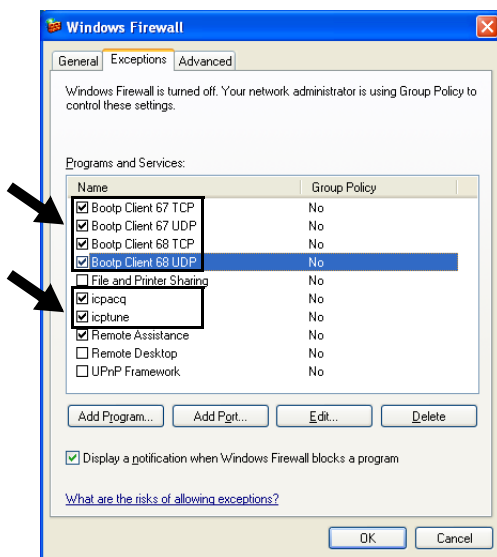
| Name                | Port No. | TCP/UDP |      |
|---------------------|----------|---------|------|
| Bootp Client 68 TCP | 68       | TCP     | Done |
| Bootp Client 68 UDP | 68       | UDP     | Add  |
| Bootp Server 67 TCP | 67       | TCP     | Add  |
| Bootp Server 67 UDP | 67       | UDP     | Add  |

**14 Confirm that all of the following items have been added in the *Windows Firewall* dialog box. Click *OK*.**

- Bootp Client 68 TCP
- Bootp Client 68 UDP
- Bootp Server 67 TCP
- Bootp Server 67 UDP
- icpacq.exe
- icptune.exe

## Agilent 7500 Series ICP-MS ChemStation (G1834B) Install Guide

### Installing the Agilent 7500 Series ChemStation Software



Changes to the firewall settings are now complete.

- 15 Open the ICP-MS ChemStation and confirm that communication with the Agilent 7500 is possible.**