

# Software Installation Guide



**Analyst® TF 1.5.1 Software**

Part Number: 5012964 A

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**AB SCIEX**

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The Analyst® TF 1.5.1 software supports the AB SCIEX TripleTOF™ 5600 system.

This guide provides information about, and procedures for, installing the Analyst TF 1.5.1 software. This guide also includes information on supported peripheral devices and firmware and troubleshooting installation.

For information about new software features, enhancements, and known issues, see the *Release Notes* for the Analyst TF 1.5.1 software included with the Analyst TF 1.5.1 software package.

## Important Information to Know Before Installing

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**CAUTION! Do not replace** the API Instrument folder. If you must back up a folder, then only back up the Preferences folder, Instrument Data folder, and the Parameter Settings folder found in the Analyst Data\API Instrument Folder. You can back up these folders prior to installation and replace them after the Analyst TF 1.5.1 software is installed. **Backing up folders is not necessary as the Analyst TF 1.5.1 software installer has been designed to safely upgrade users from Analyst TF 1.5 (including any patches) to Analyst TF 1.5.1 software.**

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**CAUTION!** Potential Loss of Data. Do not install the Analyst® TF 1.5 Patch for Instrument Optimization or the Analyst® TF 1.5 Patch for Precursor Ion Scan on top of the Analyst TF 1.5.1 software.

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To make sure that your software installation is successful, read the following points carefully before you start any of the procedures in this guide:

- You need to have a valid Analyst TF 1.5.1 software license to legally run the software.
- Do not attempt to install the software without following the installation instructions provided in this guide.

- For a list of peripheral devices supported in the Analyst TF 1.5.1 software, see [Peripheral Devices and Firmware on page 21](#).
- The Analyst TF 1.5.1 software cannot be installed on the same computer as the Analyst Administrator Console (AAC) server software or installed on a computer that has a previous version of the Analyst software installed other than Analyst TF 1.5 software.
- For more information about the compatibility of the Analyst TF 1.5.1 software with other software applications, see [Compatibility with Other Software on page 8](#).

## Support

At AB SCIEX, we are committed to providing the highest level of support for Analyst TF 1.5.1 software users. To obtain answers to questions about any of our products, report issues, or suggest improvements, visit the Web site at [www.absciex.com](http://www.absciex.com). For on-site service, support, and training, contact your local AB SCIEX Sales Representative or FSE.

This section explains the operating system, hardware, and software requirements that acquisition and processing workstations must meet for the Analyst® TF 1.5.1 software to operate.

## Operating System Requirements

The Analyst TF 1.5.1 software requires Microsoft Windows XP SP3 operating system. The Analyst TF software does not currently support any other operating system.

## Acquisition Workstation Requirements

For acquisition workstations, AB SCIEX recommends a minimum of a Pentium Core 2 Duo 3.0-GHz-based system with a minimum of 3 GB of RAM and at least 250 GB of hard disk space. AB SCIEX recommends that the Windows XP SP3 operating system is installed.

The Analyst TF 1.5.1 software has been qualified for acquisition on the current PC configuration. See [Current Shipping Configuration for the Dell Precision T3500 Acquisition Workstation on page 8](#).

The system includes the following:

- Flat panel monitor
- Cronologic TDC PCI Adapter card, for use with the Time-to-Digital Converter (TDCx8) (installed)

## Processing Workstation Requirements

For data processing workstations, AB SCIEX recommends a minimum of a Pentium Core 2 Duo 3.0-GHz-based system with a minimum of 4 GB of RAM and at least 250 GB of hard disk space. The system must have the Windows XP SP3 operating system installed.

Some AB SCIEX add-on software requires additional memory, disk space, and processing speed. For more information, see the documentation included with that software.

## Supported Acquisition Computer Models

As of the software release date, the Analyst TF 1.5.1 software has been tested and verified for compatibility with the DELL Precision T3500 computer.

Newer systems might be available. For more information, contact your FSE.

## Current Shipping Configuration for the Dell Precision T3500 Acquisition Workstation

The configured system comes preinstalled with the Windows XP SP3 operating system, Internet Explorer 6.0 SP3, and all driver software for the cards.

It includes the following peripherals:

- National Instruments USB to GPIB
- Cronologic TDC card
- EdgePort USB to serial converter (optional)
- Intel Pro Network card - Dual Port (optional)
- National Instruments 16-bit ADC kit, required for analog signal measurement



**Note:** Do not change the power management settings in the BIOS. Changing the power management settings might interfere with batch acquisition by introducing long delay times between samples.

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## Supported Cards and Driver Versions

The Analyst TF 1.5.1 software has been tested with the following cards and driver versions, which are included with the Analyst TF 1.5.1 software DVD.

**Table 2-1** Supported Cards and Drivers

Card Name	Driver Version
National Instruments USB to GPIB	2.5
Cronologic TDC	3.0
Edgeport USB-to-Serial Converter box	4.2
Intel Pro Network Card - Dual Port	9.3
National Instruments 16-bit ADC kit	8.3

## Compatibility with Other Software

At the time of this release, the following AB SCIEX software releases are compatible with the Analyst TF 1.5.1 software. Some of the software might need to be ordered from AB SCIEX before beginning the installation. For the most recent AB SCIEX software versions, visit the Web site at [www.absciex.com](http://www.absciex.com).

- BioAnalyst™ for Analyst TF 1.5.1 software



- FormulaFinder 2.0.0, 2.0.1, and 2.0.2 software
- LipidView™ 1.1 software
- MarkerView™ 1.2.1 software
- MetabolitePilot™ 1.0 software
- MRMPilot™ 2.1 software
- MultiQuant™ 2.0, 2.0.1, and 2.0.2 software
- PeakView™ 1.1 and 1.1.1 software
- ProteinPilot™ 4.0 software

To inquire about the compatibility of software not included in this list, contact your AB SCIEX support or sales representative.

## **Content of the Analyst TF 1.5.1 Software DVD**

The following software applications, files, folders, and documents are included on the Analyst TF 1.5.1 software DVD:

- Analyst TF 1.5.1 software
- Drivers folder containing the ADC, Cronologic, Edgeport Driver, and GPIB 2.5 driver folders. These folders contain the software for all supported cards
- An Extras folder containing the following subfolders:
  - AAO: Contains the Analyst Access Object release notes and user guide.
  - ACROREAD: Contains the Adobe Acrobat Reader 9.1 installer.
  - Agilent Ethernet Networking (BOOTP) Package: Contains instructions and a utility to control the Agilent LC devices using Ethernet.
  - ConfigUpdater: Contains the Configuration Updater Utility that is used to update the firmware and configuration table located on the instrument.
  - Examples: Contains sample .mol files.
  - Formula Finder: Contains the Formula Finder installer.
  - Net Framework 3.5 SP1: Contains the Net Framework 3.5 SP1 installer.
  - PeakView: Contains the PeakView software installer, documentation, and extra utilities.
  - ResetSystemController: Contains a utility software for resetting the instrument controller.
  - Scripting Cookbook: Contains a guide that provides information for writing applications to extend the functionality of the Analyst TF 1.5.1 software.

- The *Release Notes* for the Analyst TF 1.5.1 software
- The *Software Installation Guide* for the Analyst TF 1.5.1 software (this document)
- An Install folder that includes the subfolder Scripts, which contains a collection of scripts you can install, and the instrument documentation. The scripts are experimental and provide research-grade functionality that can be added to the software. The contents in this folder will be copied to the computer after software installation. All documents will be accessible via the Start > Program menu.
  - Hardware Guides: Contains the *Hardware Overview*, *CDS User Guide*, and the *Qualified Maintenance Person's Guide*.
  - Ion Source Guides: Contains the operator's guides for the DuoSpray™, NanoSpray®, and Turbo V™ ion source guides as well as the *Ion Source Specifications Guide*.
  - Safety Guides: Contains the instrument safety guide, translated in seven languages.
  - Software Guides: Contains the software guides and tutorials.

This section provides procedures for installing the Analyst® TF 1.5.1 software on acquisition and processing workstations. If you are upgrading the Analyst TF 1.5 software, then go to [Upgrading the Analyst TF 1.5 Software](#); if you are not upgrading the software, then go to [Installing the Analyst TF 1.5.1 Software on page 13](#).

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**CAUTION! Do not replace** the API Instrument folder. If you must back up a folder, then only back up the Preferences folder, Instrument Data folder, and the Parameter Settings folder found in the Analyst Data\API Instrument Folder. You can back up these folders prior to installation and replace them after the Analyst TF 1.5.1 software is installed. **Backing up folders is not necessary as the Analyst TF 1.5.1 software installer has been designed to safely upgrade users from Analyst TF 1.5 (including any patches) to Analyst TF 1.5.1 software.**

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**CAUTION!** Potential Loss of Data. Do not install the Analyst® TF 1.5 Patch for Instrument Optimization or the Analyst® TF 1.5 Patch for Precursor Ion Scan on top of the Analyst TF 1.5.1 software.

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**Note:** To install the Analyst TF 1.5.1 software, you must have Administrator privileges on the workstation.

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## Upgrading the Analyst TF 1.5 Software

If you have versions 2.0, 2.0.1, or 2.0.2 of the MultiQuant™ software installed, you must first uninstall the MultiQuant software before upgrading to the Analyst TF 1.5.1 software.

After you have upgraded to the Analyst TF 1.5.1 software, then install the version 2.0.2 of the MultiQuant software, which can be downloaded from the AB SCIEX Web site.



**Note:** If you are installing from the Web site, then you must have the Analyst TF 1.5 software installed before installing the Analyst TF 1.5.1 software.

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1. If required, locate any DVDs or CDs containing optional add-on software.
2. Log on to the computer as a user with Windows local administrator privileges.
3. Do one of the following:
  - If you are upgrading using the files on the AB SCIEX Web site, then download and unzip the Analyst TF 1.5.1 software installation files, browse to the Install folder, and then double-click setup.exe.
  - If you are upgrading using the Analyst TF 1.5.1 software DVD then insert the DVD and click **Install Analyst TF 1.5.1**.
4. Click **Next**.  
The License Agreement screen appears.
5. Click **I accept the terms in the license agreement** and then click **Next**.  
The Customer Information screen appears.
6. Type your **User Name** and **Organization** and then click **Next**.  
The Destination Folder screen appears.
7. To accept the default location of the program folder, click **Next**.  
The Installation Options screen appears.
8. Click **Install**.
9. Click **OK**.  
The Installing Analyst TF 1.5.1 software screen appears, providing information on the installation progress. When installation is complete, the InstallShield Wizard Completed screen appears.
10. Click **Finish**.

## Updating the Firmware and Configuration Tables

Use the Firmware/Configuration Table Update program to automatically determine if either firmware or configuration tables need to be updated on the system. The utility performs

only the necessary updates. The utility may also reset the mass spectrometer system controller; this is normal and is required by the update process.

Before running this utility, make sure that the instrument is powered on and the GPIB driver software is properly installed.

1. Do one of the following:
  - If you are upgrading using the files on the AB SCIEX Web site, then browse to the \Extras\ConfigUpdater\ folder in the unzipped Analyst TF 1.5.1 software installation files and then double-click **ConfigUpdater.exe**.
  - Insert the Analyst TF 1.5.1 software DVD. If the installation browser appears, click **Exit**. On the DVD drive, browse to the \Extras\ConfigUpdater folder and then double-click **ConfigUpdater.exe**.

The Firmware/Configuration Table Update Program page appears, identifying the new firmware version it will install.

2. To update the firmware and Configuration Table, click **Next**.
3. Follow the on-screen instructions to update your firmware and configuration tables.
4. Click **Finish** to exit the utility.
5. Manually restart the instrument.

## Installing the Analyst TF 1.5.1 Software

Complete the following procedure to install the Analyst TF 1.5.1 software on acquisition and processing workstations.



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**Tip!** If you are reinstalling the software, then to make the process faster, back up and then delete the contents in <drive>:\Analyst Data\Projects\API Instrument\Data folder and the API Instrument\Tuning Cache folder.

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**Note:** If the installation browser does not appear, then browse to the Install folder on the DVD and then double-click setup.exe.

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1. Locate the Analyst TF 1.5.1 software DVD required for the installation.
2. If required, locate any DVDs or CDs containing optional add-on software.

3. Log on to the computer as a user with Windows local administrator privileges.
4. Insert the Analyst TF 1.5.1 software DVD.  
The Analyst TF 1.5.1 software DVD navigation screen appears. If the screen does not appear, browse to the Install folder on the DVD and then double-click setup.exe.
5. Click **Install Analyst TF 1.5.1**.  
The Installshield Wizard for Analyst TF 1.5.1 software appears.
6. Click **Next**.  
The License Agreement screen appears.
7. Click **I accept the terms in the license agreement** and then click **Next**.  
The Customer Information screen appears.
8. Type your **User Name** and **Organization** and then click **Next**.  
The Destination Folder screen appears.
9. To accept the default location of the program folder, click **Next**.  
The Installation Options screen appears.
10. Click **Install**.  
After installation of the Analyst TF 1.5.1 software is complete, use the Analyst TF 1.5.1 software DVD to install the necessary drivers on the acquisition workstation.
11. Click **OK**.  
The Installing Analyst TF 1.5.1 software screen appears, providing information on the installation progress. When installation is complete, the InstallShield Wizard Completed screen appears.
12. Click **Finish**.

### (Optional) Installing Scripts

- A number of research-grade scripts are available to extend the functionality of the Analyst software. For more information on installing scripts, see the *Scripts User Guide* found in the Start Menu: All Programs > AB SCIEX > Analyst® TF 1.5.1 Software > Software Guides folder.

### (Optional) Installing PeakView™ 1.1.1 Software

Install the software from the DVD or from the installation files downloaded from the Web site.

1. Do one of the following:
  - If you are installing using the files on the AB SCIEX Web site, then browse to the \Extras\PeakView\ folder in the unzipped Analyst TF 1.5.1 software installation files.
  - If the Analyst TF 1.5.1 software DVD is not already in the DVD drive, insert it. Click **Install Companion software** and then click **PeakView**.



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**Note:** If the DVD launcher does not appear, then browse to the Extras folder on the DVD and then double-click setup.exe.

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2. Double-click setup.exe and then follow the instructions in the installation wizard to install the software.

## (Optional) Installing XIC Manager

Make sure that version 1.1.1 of the PeakView software is installed.

1. From the Help menu in the PeakView software, click Install XIC Manager.msi and then follow the instructions. The XIC Manager installer is included with the PeakView™ software, however, it is not automatically installed.
2. Exit and then restart the PeakView software.

The XIC Manager plug-in is launched from the Show menu, using either XIC Manager or XIC From Browser. These menu items are enabled only if the current pane contains data from at least one sample. XIC Manager launches the main XIC Manager table. XIC From Browser launches the same table as well as a panel that contains an Internet browser.

## (Optional) Installing Formula Finder 2.0.2 Software

Install the software from the DVD or from the installation files downloaded from the Web site.

1. Do one of the following:
  - If you are installing using the files on the AB SCIEX Web site, then browse to the \Extras\FormulaFinder\ folder in the unzipped Analyst TF 1.5.1 software installation files.
  - If the Analyst TF 1.5.1 software DVD is not already in the DVD drive, insert it. Click **Install**

Companion software and then click FormulaFinder.



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**Note:** If the DVD launcher does not appear, then browse to the Extras folder on the DVD and then double-click setup.exe.

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2. Double-click setup.exe and then follow the instructions in the installation wizard to install the software.

## Running the Analyst TF 1.5.1 Software for the First Time

1. Start the Analyst TF 1.5.1 software by double-clicking the icon on the desktop.
2. (For acquisition workstations) Configure and activate a hardware profile and then test the software to make sure that you are able to acquire data or process data.

## Registering the Analyst TF 1.5.1 Software

Ten days from the date of installation, the software prompts you to register the Analyst TF 1.5.1 software online. This online registration helps AB SCIEX offer better support, and allows for easier notification about the availability of upgrades and patches, as well as other software-related information.

After you install the Analyst TF 1.5.1 software, register your installation online at: [www.absciex.com/AnalystReg](http://www.absciex.com/AnalystReg).

You can register from any computer; it does not have to be the computer on which the software is installed. Your name and email address, and the name, address, and telephone number of the company licensing the software are required. Optional information includes some brief questions on how the Analyst software is used at the site, plus a section for comments. You can choose whether to be contacted for software updates, product information, or electronic surveys. Review the privacy statement and contact information on the Web site for details about the information collected and its usage.



This section describes some issues that you might encounter while installing the Analyst® TF 1.5.1 software. It suggests possible causes and offers solutions.

At AB SCIEX, we are committed to providing the highest level of support for Analyst software users. To obtain answers to questions about any of our products, report problems, or suggest improvements, visit the Web site at <http://www.absciex.com>.

**Table 4-1** Troubleshooting

Issue	Possible cause/solution
<p>The installation stops part way through the process.</p>	<p>Remove the partially installed software using Windows Add/Remove Programs. Leave the system off for at least 15 seconds after uninstalling. Try running the installation by navigating to the \Install folder on the DVD, and then double-clicking the Setup.exe file. If you cannot remove the partially installed software or you still cannot install the software, contact AB SCIEX technical support at <a href="http://www.absciex.com">www.absciex.com</a>.</p>
<p>The installation seems to be taking a long time to install.</p>	<p>There might be a large amount of data in the &lt;drive&gt;:\Analyst Data\Projects\API Instrument\Data folder. Before installing the software, backup and then delete the contents in &lt;drive&gt;:\Analyst Data\Projects\API Instrument\Data folder.</p>
<p>After I install the software and start the application, I experience a failure where the event log reports that the software is unable to open the security database.</p>	<p>Remove the installed software using Windows Add/Remove Programs, and then reinstall. Contact AB SCIEX technical support at <a href="http://www.absciex.com">www.absciex.com</a> to report the error.</p>

**Table 4-1** Troubleshooting (cont'd)

Issue	Possible cause/solution
After installing, I cannot log on to the Analyst TF 1.5.1 software.	Your user name might not have been successfully added to the security database. Log on to the computer as the local administrator, and then add your user name to the Analyst TF 1.5.1 software through the Security Configuration dialog.
I see the error message "Failed to load the parameter settings file" when I try to start a profile in the Analyst TF 1.5.1 software.	If you restored any files or folders from a DVD, or copied over files shipped with your instrument, these files might be set as read only. To use these files, remove the read-only setting from the files through Windows.

The following instrument firmware and configuration table versions are required for the Analyst® TF 1.5.1 software. These tables are for reference purposes only.

**Table A-1** Firmware Files

<b>Firmware</b>	<b>Version</b>
340 Main	M402001
332 Main	M3L2002

**Table A-2** Configuration Table File

<b>Instrument</b>	<b>Configuration table file</b>
AB SCIEX TripleTOF™ 5600 system	C7600801.fw



The Analyst® TF 1.5.1 software supports the peripheral devices listed in the following table. Firmware versions that have been fully qualified with the Analyst TF 1.5.1 software are listed without parentheses. Versions shown in parentheses have functioned acceptably in more limited testing.

In most cases, more recent firmware versions from the device manufacturer will work with the Analyst TF 1.5.1 software. If you encounter difficulties, change the device firmware to the version listed in this table. For information on checking and upgrading firmware, see the documentation provided by the peripheral device manufacturer. For information on installation and configuration of peripheral devices, see the *Peripheral Devices Setup Guide*.

**Table B-1** Agilent 1290

Peripheral device	Model	Tested firmware	Communication cable required
Binary	G4220A	B.06.23	WC024736*
Standard Autosampler	G4226A	A.06.15	WC024736
Column Oven	G1316C	A.06.14	WC024736
DAD	G4212A	B.06.23	WC024736
* WC024736 is a Standard Null Modem cable DB9/DB9 female			

**Table B-2** Agilent 1260

Peripheral device	Model	Tested firmware	Communication cable required
Isocratic Pump	G1310B	A.06.32	WC024736
Quaternary Pump	G1311B	A.06.32	WC024736
Binary Pump	G1312B	A.06.32	WC024736
High Performance Autosampler	G1367E	A.06.32	WC024736

**Table B-2** Agilent 1260 (cont'd)

Peripheral device	Model	Tested firmware	Communication cable required
TCC— Thermostatted Column Compartment	G1316A	A.06.32	WC024736
DAD— Diode Array Detector	G4212B	B.06.32	WC024736
* WC024736 is a Standard Null Modem cable DB9/DB9 female			

**Table B-3** Agilent 1200 Series

Peripheral device	Tested firmware (and other firmware)	Communication cable required
Isocratic Pump	A.06.02	WC024736
Quaternary Pump	A.06.02	WC024736
Binary Pump	A.06.02 A.06.04	WC024736
Binary SL Pump	A.06.02 A.06.04	WC024736
Capillary Pump	A.06.02	WC024736
Nanoflow Pump	A.06.02	WC024736
Standard Autosampler	A.06.02	WC024736
High Performance Autosampler	A.06.02 A.06.04	WC024736
High Performance Autosampler SL	A.06.02 A.06.04	WC024736
Micro Well-plate Autosampler	A.06.02	WC024736

**Table B-3** Agilent 1200 Series (cont'd)

Peripheral device	Tested firmware (and other firmware)	Communication cable required
TCC – Thermostatted Column Compartment	A.06.02	WC024736
TCC SL – Thermostatted Column Compartment	A.06.02	WC024736
DAD – Diode Array Detector	A.06.02	Ethernet
DAD SL – Diode Array Detector SL	B.01.02	Ethernet

**Table B-4** Agilent 1100 Series

Peripheral device	Tested firmware (and other firmware)	Communication cable required
Binary Pump	A.05.06, 4.11 A.05.11	WC024736
Quarternary Pump	A.04.11 (5.04) A.05.11	WC024736
Isocratic Pump	A.04.11	WC024736
Capillary Pump	A.04.11	WC024736
Nano Pump	A.05.06, 5.04 (5.05)	WC024736
Standard Autosampler	A.04.10 (5.04) A.05.11	WC024736
Micro Autosampler	A.05.04 (4.10)	WC024736
Well-plate Autosampler	A.05.07, 4.14 (5.02)	WC024736
Micro Well-plate Autosampler	(A.05.09, 4.14)	WC024736

**Table B-4** Agilent 1100 Series (cont'd)

Peripheral device	Tested firmware (and other firmware)	Communication cable required
Thermostatted Column Compartment	A.05.06, 4.11 (5.05)	WC024736
DAD – Diode Array Detector	A.05.06 (5.09, 4.11)	Ethernet/GPIB
DAD – Diode Array Detector SL	B.01.01	Ethernet

**Table B-5** CTC

Peripheral device	Tested firmware (and other firmware)	Communication cable required
HTS PAL Autosampler	2.4.0, 2.3.6	WC024736
HTC PAL Autosampler	2.3.6	WC024736
LC PAL Autosampler	2.3.6	WC024736

**Table B-6** Gilson

Peripheral device	Tested firmware (and other firmware)	Communication cable required
215 Autosampler	2.20	WC024735**
with 819 Valve	1.00	Gilson GSIOC
233 Autosampler	BV1.11	WC024735
with 402 Syringe	SV1.10 (SV2.3)	Gilson GSIOC
** WC024735 is a Standard Modem cable DB25 male/DB9 female.		



**Table B-7** Harvard

Peripheral device	Tested firmware (and other firmware)	Communication cable required
Harvard	22 Syringe Pump	22.90

**Table B-8** LC Packings

Peripheral device	Tested firmware (and other firmware)	Communication cable required
UltiMate Integrated System	5.06 (6.00)	Cables available from LC Packings
Famos Autosampler (Well-plate)	2.02	Cables available from LC Packings
Famos Autosampler (Carousel)	1.14	Cables from LC Packings

**Table B-9** PE Series 200

Peripheral device	Tested firmware (and other firmware)	Communication cable required
Autosampler	1.08	WC024736
Column Oven	1134	WC024736
Micro Pump	2.43	WC024736
Quaternary Pumps	2.43	WC024736

**Table B-10** Shimadzu

Peripheral device	Tested firmware (and other firmware)	Communication cable required
SCL-10Avp System Controller	5.40 (5.33)	WC024736
SIL-10ADvp Autosampler	5.32	All other Shimadzu devices require 2-pin optical cables to connect to the System Controller. These are available from Shimadzu.
SIL-HTA Autosampler	6.02	
SIL-HTC Autosampler	6.02 (6.03)	
SIL-20ACXR Autosampler	1.20 or later	
SIL-20AXR Autosampler	1.20 or later	
SIL-20A Autosampler	—	
SIL-20AC Autosampler	1.04 or later	—
LC-6AD Pump	1.4	—
LC-8A Pump	1.5	—
LC-10AD Pump	3.1	—
LC-10AS Pump	3.1	—
LC-10AT Pump	3.1	—
LC-10Ai Pump	3.1	—
LC-10ADvp Pump	5.27, (5.25, 5.26)	—
LC-10ATvp Pump	5.27	—
LC-20ADXR Pump	1.20 or later	—
CTO-10A[C] Column Oven	3.0	—
CTO-10Avp Column Oven	5.24	—
CTO-10ACvp Column Oven	5.24	—

**Table B-10** Shimadzu (cont'd)

<b>Peripheral device</b>	<b>Tested firmware (and other firmware)</b>	<b>Communication cable required</b>
CTO-10ASvp Column Oven	5.24	—
SPD-10A Detector	3.0	—
SPD-10Ai Detector	3.0	—
SPD-10AV Detector	3.0	—
SPD-10AVi Detector	3.0	—
SPD-10Avp Detector	5.22	—
SPD-10AVvp Detector	5.23 (5.22)	—
SPD-20A UV-VIS Detector	—	—
SPD-20AV UV-VIS Detector	1.03	—
OptionBox-L Subcontroller	3.2	—
SubcontrollerVP	5.20	—
FCV-12AH Valve	N/A	—
FCV-13AL Valve	N/A	—
FCV-14AH Valve	N/A	—
CBM-20 A with Ethernet Switch (system controller with 8 fiber optic ports)	1.06 1.05 or later	—
CBM-20 A Lite with Ethernet Switch (system controller with 4 fiber optic ports; installs onto pump or autosampler)	—	—
LC-20AD Solvent Delivery Unit	1.07 1.04 or later	—

**Table B-10** Shimadzu (cont'd)

Peripheral device	Tested firmware (and other firmware)	Communication cable required
LC-20AB Binary Solvent Delivery Unit	—	—
LC-20AT Solvent Delivery Unit	—	—
Rack Changer	—	—
Rack Changer C	—	—
CTO-20A Column Oven	—	—
CTO-20AC Column Oven	1.04	—

**Table B-11** Spark-Holland

Peripheral device	Tested firmware (and other firmware)	Communication cable required
Endurance Autosampler	2.05	Requires Analyst Software Driver Kit p/n 0920-768 from Spark (sales@spark.nl)

**Table B-12** Valco

Peripheral device	Tested firmware (and other firmware)	Communication cable required
2 Position Valve	1-PD-EPX88RL	—

## Notes on Firmware for Agilent Users

It is recommended that Agilent users use the most recently distributed firmware from Agilent. Due to Agilent's frequent firmware release schedule, AB SCIEX cannot test all firmware on all devices in all Analyst TF software versions, but Agilent's releases are backward-compatible. If a problem occurs, downgrade the firmware indicated in the previous table.

Agilent CAN support requires that all firmware in the CAN-linked stack be of the same major revision (4.x, 5.x, etc.).

## Peripheral Devices Controlled via AAO Software Interface

The Analyst Access Object (AAO) is an interface to the Analyst TF 1.5.1 software that allows peripheral device vendors to develop device control software that can be plugged into the Analyst TF 1.5.1 software to enable integrated LC/MS control.

Vendors that have released AAO software are listed below. For additional information, contact vendors directly.

- Alcott Chromatography
- Cohesive Technologies
- Dionex Corp.
- Eksigent Technologies
- ESA Inc.
- Flux Instruments AG
- Jasco Inc.
- Leap Technologies
- Maylab Analytical Instruments
- Shimadzu
- Shiseido Co. Ltd.
- Spark Holland
- Waters Corp.

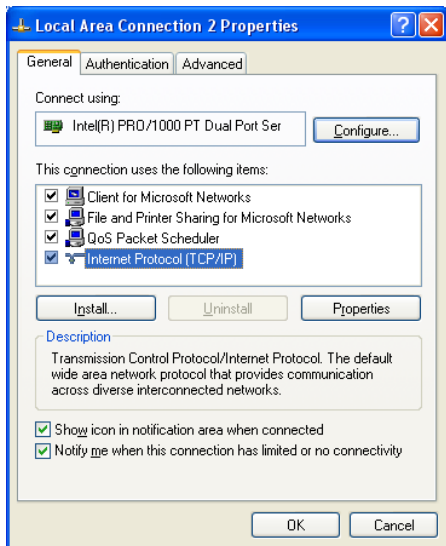


This section provides the steps for configuring the Intel Pro 1000/PT Dual Port Ethernet card.

This example is for an Agilent 1200 DAD system.

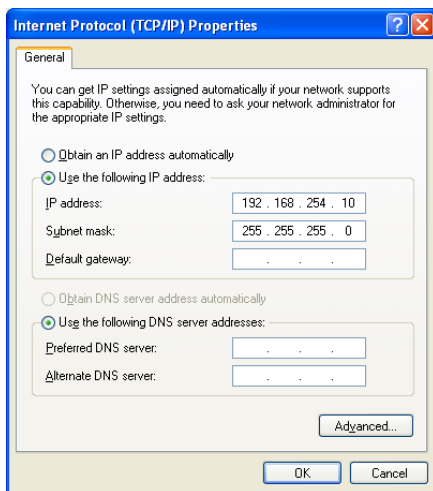
## Configuring the Card

1. On the Windows desktop, click **Start > Control Panel > Network and Internet Connections**.  
The Network and Internet Connections screen appears.
2. Click **Network Connections**.  
The Network Connections dialog box appears.
3. Right-click **Local Area Connection 2 or 3**.
4. Select **Properties**.  
The Local Area Connection 2 (or 3) Properties dialog box appears.



5. Click **Internet Protocol**.
6. Click **Properties**.

The Internet Protocol dialog box appears.



7. Select **Use the following IP address**.
8. In the IP address field, type the default IP address.
9. Press **TAB**.  
The Subnet mask field is automatically filled.
10. Click **OK**, and then close the Local Area Connection 2 (or 3) Properties dialog box.

### Checking the DAD Settings

1. Make sure that the DAD unit is connected to the Ethernet Port A (if using Local Area Connection 2) or Port B (if using Local Area Connection 3).
2. On the back of the DAD unit, check the Initializing Mode switches. The switches should be set as follows: SW 6 OFF, SW 7 ON, SW 8 ON. For more information, see the Agilent 1200 Series Diode Array and Multiple Wavelength Detector SL User Manual.
3. Make sure that the DAD is using the default LAN settings (IP address 192.168.254.11).
4. To confirm the connection between the workstation and the DAD, from Windows, click **Start**, and then select **Run**.  
The Run dialog box appears.



5. In the **Open** box, type ping 192.168.254.11-t, and then click **OK**.
  - If you receive the message: "Request Timed Out" the communication has failed. Check your connections, IP settings, and cables, and then repeat steps 1 to 5.
  - If you receive the message: "Reply from 192.168.254.11" the communication is successful. Continue to step 6.
6. Using the Analyst® TF 1.5.1 software, add the DAD to a hardware profile. For more information, see the operator's guide that comes with the instrument.



Several documents are installed with the Analyst® TF 1.5.1 software to help you in your work. The following tables provide a list of available documents and where they can be found after you have installed the software.

**Start Menu:** All Programs > AB SCIEX > Analyst® TF 1.5.1 Software

- Hardware Guides
- Ion Sources Guides
- Safety Guides
- Software Guides

**Table D-1** Software Guides and Tutorials

Document	Description
<i>Getting Started Guide</i>	Provides procedures for setting up and using the Analyst TF 1.5.1 software to create methods, acquire samples, and analyze data.
<i>Software Reference Guide</i>	Describes the features and functionality of the Analyst software.
<i>Scripts User Guide</i>	Provides procedures for installing and using the Analyst TF 1.5.1 software scripts.
<i>Mass Calibration Tutorial</i>	Provides procedures for calibrating your instrument.
<i>Manual Optimization Tutorial</i>	Provides procedures for manually optimizing the instrument for a particular analyte.
<i>IDA Tutorial</i>	Provides procedures for using the Acquisition Method Editor to create an IDA experiment.
<i>Template Methods in Analyst TF Software</i>	Provides information about template methods and parameters.
<i>Peripheral Devices Setup Guide</i>	Provides procedures for connecting peripheral devices to the computer and instrument.
<i>Release Notes</i>	Provides information about new software features and notes on use, known issues, and limitations.
<i>Software Installation Guide</i>	Provides information, requirements, and procedures for installing the software.

**Table D-2** Hardware Guides

<b>Document</b>	<b>Description</b>
<i>Hardware Guide</i>	Provides information about the instrument.
<i>Safety Practices</i>	Provides information (in seven languages: English, Chinese, German, Spanish, French, Italian, and Spanish) about regulatory compliance, instrument safety, and safety requirements for the laboratory.
<i>Qualified Maintenance Procedures</i>	Provides procedures for cleaning and maintaining the instrument. <b>Note:</b> Only trained operators should perform any cleaning or maintenance procedure.
<i>CDS User Guide</i>	Provides procedures for installing and using the CDS (calibrant delivery system).
<i>Ion Source Specifications</i>	Provides parameters and specifications for the ion sources.
<i>Turbo V™ Ion Source Guide</i>	Provides procedures for installation and testing the ion source.
<i>DuoSpray™ Ion Source Guide</i>	Provides procedures for installation and testing the ion source.
<i>NanoSpray® Ion Source Guide</i>	Provides procedures for installation and testing the ion source.