Acuity 4.0 Installation Guide

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VERIFICATION

THIS PROGRAM IS EXTENSIVELY TESTED BEFORE DISTRIBUITON. NEVERTHELESS, RESEARCHERS SHOULD INDEPENDENTLY VERIFY ITS PERFORMANCE USING KNOWN DATA.

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About this Installation Guide

- This Installation Guide has four sections:
 - 1. Notes on installing Acuity
 - 2. How to install Microsoft SQL Server Desktop Engine (MSDE) as shipped with Acuity 4.0
 - 3. Three separate installation scenarios for Acuity 4.0
 - 4. Appendices

Appendix A contains notes for SQL Server 2000 installation.

Appendix B has installation notes for Network Hardware Protection Key support.

Appendix C lists instructions to install the PDF Printer Driver.

Appendix D lists instructions for installing the Affymetrix File Support pack.

Appendix E is a checklist for a complete installation.

2 • About this Installation Guide

Note: Installing SQL Server 2000 is normally the function of a Systems Administrator and should be treated with the care and preparation it deserves. While we provide a possible installation scenario in Appendix A, this is only a guide and each installation will vary depending on your organization's needs. Therefore, it is strongly advised that prior to installation you contact your Systems Administration for advice on installing and configuring SQL Server 2000.

Installing Acuity

This manual has three separate installation scenarios for Acuity.

- Installing the Client and Database on a local machine.
- Installing the Client software only, to link to a database server.
- Updating a previously installed version of Acuity.

Each of these installation scenarios is dealt with separately in this document.

- Installing the Client and Database on a local machine. This configuration is most common for stand-alone users who will not be sharing data with others, or for users who may share files with other users on remote client machines. If there will be many users, a dedicated server machine would be recommended.
- Installing the Client software only, to link to a database server. Where the Acuity database has been installed on a (remote) server machine, the Client software will access this database.
- Updating an earlier version of Acuity and the Acuity database to the latest version.

It may be helpful to note the term 'Database' as referred to in this installation guide. 'Database' as used here and in the Acuity installer will refer to the Acuity database, which will contain the Acuity data, and is not to be confused with Microsoft SQL Server, MSDE or any other database application.

These installation scenarios require that a database application be installed prior to installing Acuity. The Acuity installation CD contains one such application, the Microsoft SQL Server Desktop Engine (MSDE). MSDE is a version of Microsoft SQL Server 2000 suitable for single-user desktop operation, for databases up to 2 GB. For multi-user Acuity installations or for databases larger than 2 GB, customers must purchase Microsoft SQL Server 2000 separately. For guidelines on the best choices to make when choosing between MSDE and Microsoft SQL Server 2000, please contact your Systems Administrator or Axon Technical Support.

When installing Acuity version 4.0, great care must be given to security considerations. If you have sensitive data that you wish to keep secure, then perhaps installing your Acuity database locally on your computer is the best option. If you want to share your data with peers on a network, then installing onto a shared database server could the correct choice. Axon Technical Support will be happy to assist you in these choices and again, we strongly suggest that your Systems Administrator be involved in this decision process. Whichever configuration you choose, please **use a non-empty password** for the database application to avoid security breaches.

Installing MSDE

Axon Instruments includes a copy of Microsoft SQL Server Desktop Engine (MSDE) with the Acuity installer. If you choose to use MSDE, for your database application, or for testing the demo version, then this is the first step of installation. If you have chosen to use SQL Server 2000, then ignore this step and proceed to Appendix A for details on installing SQL Server 2000.

• Insert the Acuity CD into your CD drive. (If the Installer program does not start automatically, open "My Computer", open the CD-drive and double-click on the Setup icon.)

• The following dialog appears:

Setup	Acui	ty 4.0	×
Weld optio	come t ins bel	o the Axon Acuity Installer. Please choose from the ow.	;
lf yor plea:	u are <u>o</u> se do s	joing to install Microsoft SQL Server Desktop Engir so before installing Acuity.	ne,
	- Insta	JI	
	<u>1</u> .	Microsoft SQL Server Desktop Engine	
	<u>2</u> .	Acuity 4.0	
	<u>3</u> .	PDF Printer Driver	
	<u>4</u> .	Affymetrix File Support Pack	
		<u> </u>	

• Click on 1. Microsoft SQL Server Desktop Edition.

The following installation screen appears as MSDE is installed:



Note: Time remaining' value will vary and is normally underestimated. This installation normally takes between 90 and 180 seconds. Once the MSDE installation is complete, the Setup Acuity 4.0 dialog reappears.

• Proceed with the Acuity 4.0 installation.

Installing the Client and Database on a Local Machine

This configuration is most common for stand-alone users who will not be sharing data with others, or for users who may share data with a small number of users on remote client machines. If there will be many users, a dedicated server machine would be recommended. This installation type applies to a dedicated server also.

It is assumed that at this point a database application (MSDE or SQL Server 2000) has been installed on this machine.

• Insert the Acuity CD into your CD drive. (If the Installer program does not start automatically, open "My Computer", open the CD-drive and double-click on the Setup icon.) The following dialog appears as shown on the following page.



• Click on 2. Acuity 4.0.



• Select Next.

Acuity Setup	X
Choose Setup Type	
Highlight the setup type you wish to install, then click Nex	«t.
Client and Database (Upgrades older databases) Client Only	Description This will 1) install the Acuity client program; 2) install the required database files or update an existing database. Use this option if you are a database administrator and you wish to install or update the database. SQL Server must already be installed.
InstallShield <u>< B</u> ac	ck <u>N</u> ext > Cancel

- Select Client and Database. (Note the Description in the dialog).
- Select Next.

Acuity Setup	×
Select Program Destination	A CA
Setup will install Axon Acuity 4.0 in the following folder.	
To install to this folder, click Next. To install to a different folder, click Brow another folder.	wse and select
R	
Destination Folder C:VAxon	Browse
InstallShield	
< <u>Back</u> <u>N</u> ext	> Cancel

- Select Program Destination (or accept defaults).
- Select Next.

Acuity Setup	×
Database Destination	No.
Axon Acuity 4.0 Setup needs to know where the database files sh	nould be installed.
These files will contain all the data in the database, and could gro a drive and location that has sufficient space. As with any Setup, previous database files are backed-up before continuing.	ow very large. Please choose please make sure any
	6
Destination Folder	
C: \Axon\Database\Acuity4	Browse
InstallShield	
(< <u>B</u> ack	<u>N</u> ext > Cancel

- Select database destination (or accept the default).
- Select Next.

Acuity Setup		×
Select Program Folder Please select a program folder.	4	
Setup will add program icons to the Progra name, or select one from the existing folde	am Folder listed below. You me ers list. Click Next to continue.	ay type a new folder
Program Folders:		
Axon Laboratory\Acuity 4.0		
, E <u>x</u> isting Folders:		
Accessories Administrative Tools Axon Laboratory Creative CyberLink PowerDVD Games		
HomeSite 4.5 Intel Network Adapters McAfee		•
InstallShield		
	< <u>B</u> ack <u>N</u> ex	t> Cancel

- Select a Program Folder for Acuity (or accept the default).
- Select Next.

Database Installation and Update	×
What do you want to do:	
C Create a new database on this computer	
Computer\SQL Instance: DAMIANXP	
New database name:	
Create database containing demo data	Create
C Create empty database only	
Update an existing database	
Undate a database on this sempluter	
Database Marsian Computer SOL Instance	
Acuity4Demo 1.31.0 DAMIANXP	N
	13
C Update a database on the network	
Data Source: Acuity3N_Laptop	Undate
< <u>B</u> ack Next >	Skip

- To create a new database, type in a name for it and click Create.
- To update an existing database, select "Update an existing database", select the database to update, and click Update.



- Click OK.
- Click Create to create a new data source name

Create Datasource	×
A Datasource is a link to a particular database on a particula computer or server.	ər
Creating a Datasource now will allow you to log in to the database shown below:	
Server: DAMIANXP	
Database: Test 📿	
Datasource Name: Test	
Create Cancel	

• Then click Next to finish the database installation dialog box.



The HASP device driver screen will appear. This may take a minute.

Acuity Setup	
	Setup Complete
	 Yes, I want to restart my computer now No, I will restart my computer later. Remove any disks from their drives, and then click Finish to complete setup.
	< <u>B</u> ack Finish

Then the following dialog appears:

• Select Finish to restart your computer.

Once the system has been restarted, the following shortcut should be added to your desktop:



Proceed to install the PDF Printer Driver, if required. – Appendix C. Install the Network License Manager software if required. - Appendix B.

Running Acuity for the First Time

• Run Acuity either by double clicking on the desktop icon, or selecting Acuity from the Axon Laboratory program folder. You will see the Welcome to Acuity dialog:

📲 Welcome to Acuity 4.0
Please select which data source you would like to connect to.
The Login Name and Password are those assigned to you by the database administrator.
If you installed the Demo version of Acuity, type your 'sa' password and click 'OK.'
Data Source: Acuity4Demo
Login Name: sa
Password: <u> Remember my login name and password</u> <u> View-only mode</u>
Not sure where to connect? Click here: <u>N</u> ew Connection
Forgot your 'sa' password? Click here: Change Password
OK Cancel <u>H</u> elp

A Data Source is used to connect to a given Acuity database. There may be multiple data sources for multiple databases on different servers.

See "Creating a Data Source" in the table of contents for greater detail.

- The Data Source Acuity2 was created automatically by the installer, and is for connecting to the Acuity database.
- The user name "sa" was also created automatically.
- Enter the password (if assigned). Select OK.

If this is the first time Acuity has been run, or if there is no password assigned for the database, the following dialog appears as shown on the following page.

Acuity 3.0	
?	For security reasons we recommend that you do not use a blank password to log in to Acuity. A blank password makes it possible for unauthorized users to access your computer.
	Do you want to change your password now?
	Yes No

We strongly urge you to assign a password. There is a security risk if you do not. If you choose no password, this dialog appears each time you run Acuity.

• Click Yes to create a password.

Change Password	×
Login:	sa
Old Password:	
New Password:	
Confirm Password:	
ОК	Cancel

- Enter Old Password.
- Enter New Password, Confirm Password.
- Click OK.

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Your new password is assigned.

• Click OK.

Acuity should be up and running. Please refer to the User's Guide.

Installing the Acuity 4.0 Client to Link to a Server

This configuration is the most common Acuity installation scenario, where the database has been installed on a (remote) server machine and the Client software will access this database. For example, if a Client and Database installation were completed as in 1., above, then this Client installation could link to the Acuity database on that other PC.

Insert the Acuity CD into your CD drive. (If the Installer program does not start automatically open "My Computer", open the CD-drive and double-click on the Setup icon.) The following dialog appears as shown on the following page.

24 • Installing the Acuity 3.0 Client to Link to a Server



• Select 2. Acuity 4.0.



• Select Next.

Acuity Setup		X
Choose Setup Type	\mathbb{R}	
Highlight the setup type you wish to install, then	click Next.	
Client and Database (Upgrades older database Client Only		Description This will 1) install the Acuity client program; 2) install the required database files or update an existing database. Use this option if you are a database administrator and you wish to install or update the database. SQL Server must already be installed.
InstallShield		
	< <u>B</u> ack	Next > Cancel

- Select Client Only.
- Select Next.

Acuity Setup	×
Select Program Destination	No.
Setup will install Axon Acuity 4.0 in the following folder.	
To install to this folder, click Next. To install to a different folder, click Brow another folder.	ise and select
ß	
Destination Folder C:\Axon	Biowse
InstallShield (<u>KBack</u>) <u>N</u> ext >	Cancel

- Select Program Destination (or accept the default).
- Select Next.

Acuity Setup		x
Select Program Folder Rease select a program folder.		
Setup will add program icons to the Program F name, or select one from the existing folders lis	Folder listed below. You may type a new folder ist. Click Next to continue.	
Program Folders:		
Axon Laboratory\Acuity 4.0		
Existing Folders: Accessories Administrativo Toolo	<u> </u>	
Administrative Fools Axon Laboratory Creative CyberLink PowerDVD		
Games HomeSite 4.5 Intel Network Adapters	~ I	
Imcaree		
InstallShield		-
	< Back Next > Cancel	

- Select a Program Folder (or accept the default).
- Select Next.

HASP Device Driver Install Utility Installing the device driver for the hardware copy protection key. Please wait... Note: if this is taking longer than a fereness seconds, please disable all virus protection areas.

The HASP device driver screen will appear. This may take a few minutes.



• Select Finish to restart your computer.

Once the system has been restarted, the following shortcut should be added to your desktop:



Proceed to install the PDF Printer Driver. – Appendix C.
Chapter 7

Creating a Data Source

Run Acuity either by double clicking on the desktop icon, or selecting Acuity from the Axon Laboratory program folder. You will see the Welcome to Acuity dialog:

📲 Welcome to Acuity 4.0
Please select which data source you would like to connect to.
The Login Name and Password are those assigned to you by the database administrator.
If you installed the Demo version of Acuity, type your 'sa' password and click 'OK.'
Data Source: Acuity4Demo
Login Name: sa
Password:
Not sure where to connect? Click here: <u>N</u> ew Connection
Forgot your 'sa' password? Click here: Change Password
OK Cancel <u>H</u> elp

The Data Source will be your name for the link to an Acuity database. Note that you can have more than one data source, to link to more than one Acuity database.

• To create a new data source, click the New Connection button.

New Database Connection	×
Step 1: Log in to SQL Server	
Computer:	Help
Login Name:	Help
Password:	Help
Connect	
Step 2: Choose the database	
Database Name:	~
Step 3: Name your connection	
New Data Source:	
<u>C</u> reate Cancel	

- From the Computer list, select the Computer on which the database is to which you want to connect.
- Enter "sa" as the User ID, or the user name your system administrator has assigned
- Enter the password. This is the MSDE or SQL server password. Click Connect.

- Choose the database from the Database field.
- Type a new name for your data source in the New Data Source field.
- Click Create.

Acuity Da	ata Source 🔀
•	You have successfully created a new Data Source. To connect to this database in the future, in the Acuity Welcome dialog box use:
	Data Source: 'Acuity3 New' Login Name: 'sa' Password: <your password=""></your>
	OK

• Click OK.

Note: Setting up a Data Source is a one-time operation

Acuity 3.0	×
?	Would you like to connect to 'Acuity3 New' now?
	<u>Y</u> es <u>N</u> o

• Click Yes to run Acuity.

Acuity should be up and running.

Chapter 8

Updating an Earlier Version of Acuity

Follow this procedure if you installed a previous version of Acuity and wish to upgrade your Acuity database to the most recent version.

As is the case with any software update, data may be jeopardized. It is strongly advised that a Systems Administrator carry out this update. Please ensure a complete backup of data is done before proceeding. Once the backup is complete, insert the Acuity 4.0 CD into your computer, or run the Acuity meta-installer from disk.



• Click on 2. Acuity 4.0.



The following dialog appears:

• Click Next.

Acuity Setup		X
Choose Setup Type	\searrow	
Highlight the setup type you wish to install, t	hen click Next.	
Client and Database (Upgrades older datab Client Only	ases	Description This will 1) install the Acuity client program; 2) install the required database files or update an existing database. Use this option if you are a database administrator and you wish to install or update the database. SQL Server must already be installed.
InstallShield		
	< <u>B</u> ack	< <u>N</u> ext> Cancel

- Select Client and Database.
- Click OK.

Acuity Setup	×
Select Program Destination	No.
Setup will install Axon Acuity 4.0 in the following folder.	
To install to this folder, click Next. To install to a different folder, click Brow another folder.	se and select
ß	
C Destination Folder	
C:\Axon	B <u>r</u> owse
InstallShield	
(<u>< B</u> ack <u>N</u> ext >	Cancel

- Select Program Destination (or accept defaults).
- Click Next.

Acuity Setup	×
Database Destination	No.
Axon Acuity 4.0 Setup needs to know where the database files sho	uld be installed.
These files will contain all the data in the database, and could grow a drive and location that has sufficient space. As with any Setup, ple previous database files are backed-up before continuing.	very large. Please choose ease make sure any
I	<i>₽</i>
Destination Folder	
C:\Axon\Database\Acuity4	Browse
InstallShield	
(<u>Kack</u>)	Next > Cancel

- Select Database Destination (or accept defaults).
- Click Next.

Acuity Setup	×
Select Program Folder Please select a program folder.	XX
Setup will add program icons to the Program Folder listed below. You may type name, or select one from the existing folders list. Click Next to continue.	a new folder
Program Folders:	
Axon Laboratory\Acuity 4.0	
Existing Folders:	
Administrative Tools Axon Laboratory Creative CuberLink PowerDVD	
Games	
HomeSite 4.5 Intel Network Adapters McAfee	_
InstallShield	
< <u>B</u> ack <u>N</u> ext >	Cancel

• Click Next.

Acuity Setup			×
Clear Acuity Settings			
A previous installation of Acuity has been found.			
You can get a fresh start by reverting to the factory default o	ptions.		
Revert to factory defaults.			
InstallShield			
< Back	Next	<u>ک</u>	Cancel

• Click Next.

Database Installation and Update	×
What do you want to do:	
C Create a new database on this computer	
Computer\SQL Instance: DAMIANXP	
New database name:	
Create database containing demo data	Crasta
C Create empty database only	
Undate an existing database	
Update a database on this computer	
Acuitv4Demo 1.31.0 DAMIANXP	
	\searrow
Update a database on the network	
Data Source: Acuitu3N Laptop	Undata
< Back Next >	Skip
* <u>Martin</u> 11500, 7	

For previous Acuity installations and all SQL Server 2000 installations, the above screen, appears.

• Select the database to update, and click Update.

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- Click OK.
- Click Next in the Acuity Database Installation dialog box.



The Hasp device installation completes.



• Click Finish.

Proceed to update the PDF Printer Driver, if required.

Appendix A

Installing SQL Server 2000

Please note: All 'bullet items' are instructions. They normally follow after an image.

- Remove any old SQL server installations before you attempt to install SQL Server 2000.
- Great caution must be taken in the above step as you may lose data. If you do not know how, or do not wish to do this, contact your Systems Administrator.

Note: This install was done on a PC running Windows 2000 Professional. The version of Microsoft SQL Server 2000 used for this document is the Personal Edition. Different versions and other operating systems may have slight differences.

Installing SQL Server 2000

• Insert the CD in your CD drive.

<mark>₽</mark> E:\							
File Edit View Favorites Tool	ls Help						
📙 🖙 Back 🔹 🔿 👻 🖹 🥘 Search	Folders	History	$\mathbb{E} \mathbb{E} \times \mathbb{I}$	Ω ≣ •			
Address 🚑 E:\							
	books	devtools	html	INSTALL	MSDE	MSEQ	msolap
SQL2000_PER (E:) autorun Application Modified: 4/27/2000 11:07 PM	×86	autorun Ty	pe: Application	autorun	license	msolap	readme
Size: 5.64 KB Attributes: Read-only	redist	setup	smscli	smssqins	smssql	sqlcli	sqlcli
	sqlcst	sqlcst	sqlins	sqlins	sqirem	sqlsms	

• If the Installer program does not start automatically, open your CD drive and run Autorun.

The following screen will appear:



• Select SQL Server 2000 Components.



• Select Install Database Server.



• Select Next.

Computer Name		×
	Enter the name of the computer on which you want to create a new instance of SQL Server or modify an existing instance of SQL Server.	
T IIII	Or, enter the name of a new or existing Virtual SQL Server to manage. TAZZY	
	Local Computer Remote Computer Virtual Server	
	Browse	

• Select Next (Local Computer).



• Select Next.

User Information				>
	Enter your n name.	ame below. It is not r	necessary to entr	er a company
T ma	Name:	Acuity Database Se	erver	
	company.	Axon instruments		
		< Back	Next >	Cancel

• Select Next.

Software License Agreement	X
Please read the following License Agreement. Press the PAGE DOWN key to the rest of the agreement.	o see
ADDENDUM TO THE MICROSOFT END USER LICENSE AGREEMENT FOR MICROSOFT SQL SERVER 2000	4
The software accompanying this Addendum, Microsoft SQL Server Personal Edition (th "Client Software") is provided to you for use under the terms and conditions of the end user license agreement you acquired with Microsoft SQL Server (Standard or Enterprise Edition) (the "EULA"). Please refer to the EULA for license rights and requirements associated with Client Software. The Client Software is deemed part of the Product (as defined in the EULA), and as such, if you do not have a validly licensed copy of the Product, you are not authorized to use the Client Software. Any capitalized terms used this Addendum shall have the same meaning as set forth in the EULA, unless otherwise set forth in this Addendum. All terms and conditions of the EULA remain in full force an effect.	in e d
Do you accept all the terms of the preceding License Agreement? If you choose No, S will close. To install Microsoft SQL Server 2000, you must accept this agreement.	etup
< Back Yes No	

• Select "Yes" to accept license agreement.

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CD-Key	×
Enter your 25-digit CD-Key	
You can find this number on the yellow sticker in the CD liner notes or the CD sleeve.	
< Back Next > Cancel	

• Input the Product Key, Select Next.



• Select Next (Server and Client Tools).

• Select Next (leave Default checked).

If this option is grayed out, then you have a previous version of SQL Server installed. Please uninstall this version and start again.

Setup Type				
Click the type of Set	up you prefer, then cli	ck Next.		
Typical	Installed with the most common options. Recommended for most users.			
O Minimum	Installed with minimu	m required options	3.	
C Custom	You may choose the advanced users.	options you want	to install. Recomme	ended for
Destination Folder				
Program Files	Browse	C:\Program File	es\Microsoft SQL Se	erver
Data Files	Browse	C:\Program File	es\Microsoft SQL Se	erver
			Required:	Available:
Space on program	files drive:		38073 K	35823204 K
Space on system d	trive:		158694 K	35823204 K
Space on data files	s drive:		34432 K	35823204 K
	Help	< Back	Next >	Cancel

- Ensure there is sufficient space on the chosen drives.
- Select Next.

Services Accounts		X	
O Use the same account for eaccount for e	ch service. Auto start SQL	Server Service.	
C Customize the settings for ear	ch service.		
Services	Service Settings		
C SQL Server	 Use the Local System account 		
C SQL Server Agent	🔿 Use a Domain User account		
	Username: Pauld		
	Password:		
	Domain:	TAZZY	
	Auto Start Service		
Hel	o KBack	Next > Cancel	

- Select "Use the Local System account".
- Select Next

It is possible that a Domain User account may be a better choice depending on the organization.

Authentication Mode	×
Choose the authentication mode.	
C Windows Authentication Mode	
 Mixed Mode (Windows Authentication and SQL Server Authentication) 	
Add password for the sa login:	
Enter password:	
Confirm password:	
Blank Password (not recommended)	
Help < Back Next >	Cancel

- Select "Mixed Mode".
- Enter the password for this database—select Next.

This is another optional choice depending on the organization.



• Select Next.



Setup will copy files for a few minutes, then:



- Select Finish.
- Reboot your PC before installing Acuity.

Appendix B

Installing NetHASP

Installing NetHASP License Manager under Windows 2000/XP

General Setup Information

A Hardware Protection Key is designed to prevent illegal use and distribution of software. The Acuity USB NetHASP Hardware Protection Key allows multiple licenses to be used on a network without using multiple Hardware Protection Keys. It also permits centralized management of licenses within an organization.

The Acuity Hardware Protection Key can be connected to any computer on the network provided that the Operating System is not Windows NT. Choose a computer that is always switched on and rarely rebooted. A server is usually a good choice, but it's important to reiterate that USB devices are not supported on the Windows NT platform, therefore do not install the Acuity Hardware Protection Key on an NT machine. Load the NetHASP License Manager software before you install the Hardware Protection Key.

Note: This procedure need only be run on the machine acting as the NetHASP server.

To Setup the NetHASP License Manager under Windows 2000/XP:



• Right-click on your PC's CD drive and select Open to access the Acuity Installation CD.

In the Network Dongle Directory:



• Select Imsetup.
The following message appears:



• Select Yes.

Setup displays the following message:

Setup	
?	To run Setup, you should close any active NetHASP License Manager.
7	Click No to quit Setup and then close any active NetHASP License Managers. Click Yes to continue Setup.
	Continue Setup?
	Yes No

• Select Yes.





Then Setup asks what type of installation you would like:

• Select Service, Select Next.

Select Destination Direct	ory	X
www.eAladdin.com	Setup will install NetHASP License Manager in the destination directory listed below.	
Securing the Global Village	To install to this directory, click Next.	
	To install to a different directory, click Browse and select anothe directory.	: r
	You can choose not to install NetHASP License Manager by clicking Cancel to exit Setup.	
	Destination Directory	
	C:\Program Files\Aladdin\NetHASP LM	
	< Back Next > Cancel	

Setup will confirm the creation of a new directory:

Confirm Newly Selected Directory			
You have entered the following directory specification:			
c:\Program Files\Aladdin\NetHASP LM			
This directory does not exist. Should Setup create it for you?			
Yes No			

• Select Yes.

Select Program Folder		×
www.eAladdin.com ALADDIN Securing the Global Village	Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the Existing Folders list. Click Next to continue. Program Folder: NetHASP License Manager Existing Folders:	
	Accessories Administrative Tools Adobe Acrobat 4.0 Axon Laboratory Microsoft Hardware Microsoft Office Tools Microsoft SQL Server Microsoft SQL Server - Switch Norton Ghost 2002 Snaglt	
	< Back Next > Cancel	

Setup Displays the Installation Review Screen:



• Select Next.



Setup will then immediately install the NetHASP Device Driver:

Setup	×	
?	The NetHASP LM requires the HASP Device Driver.	
\checkmark	During installation of the Device Driver all 16bit applications will be closed. The installation process does a version check of your drivers.	
	Click YES to install Device Driver now.	
	Yes No	

• Select Yes.

Setup will report:

Aladdin Device Driver Installation Utility for Win32	
The operation was completed successfuly.	
ок	

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Then, Setup will ask if you want to start the service:



• Select Yes.





• Select Finish.

Installing the NetHASP Monitor Program

Run **AKS Monitor** on the computer with the network Hardware Protection Key installed, or on the System Administrators PC to track network license usage.

It's run from the Start Menu / Programs / Aladdin directory. It shows the IP address and/or name of every computer that is currently has a license checked out

In the Hasp Monitor\Install folder:



• Select aksmon32.

🔏 Welcome X Welcome to Aladdin Monitor 1.2b Setup program. www.eAladdin.com This program will install Aladdin Monitor 1.2b on your computer. Securing the Global Village It is strongly recommended that you exit all Windows programs before running this Setup Program. Click Cancel to guit Setup and close any programs you have running. Click Next to continue with the Setup program. WARNING: This program is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law. <u>N</u>ext > Cancel

覺 Choose Destination Loc	ation X
www.eAladdin.com ALADDIN Securing the Global Village	Setup will install Aladdin Monitor 1.2b in the following folder. To install into a different folder, click Browse, and select another folder. You can choose not to install Aladdin Monitor 1.2b by clicking Cancel to exit Setup.
	Destination Folder C:\Program Files\Aladdin\Monitor <u>Br</u> owse
	< <u>B</u> ack <u>Next</u> Cancel

월 Backup Replaced Files	×	(
www.eAladdin.com ALADDIN Securing the Global Village	This installation program can create backup copies of all files replaced during the installation. These files will be used when the software is uninstalled and a rollback is requested. If backup copies are not created, you will only be able to uninstall the software and not roll the system back to a previous state. Do you want to create backups of the replaced files?		
	Please select the directory where the replaced files will be copied.		
	Backup File Destination Directory		
	C:\\Aladdin\Monitor\BACKUP		
	< <u>B</u> ack <u>Next></u> Cancel		





• Select Finish.

Network License Frequently Asked Questions

1. How does the Network Hardware Protection Key work?

There are two elements to a software protection system using a network Hardware Protection Key: the License Manager software and the client application.

The license manager makes licenses available to the network. The number of licenses will depend on the total number programmed into the Hardware Protection Key and those currently used by clients on the network. When the client application is run, it searches the network for a license manager and requests a license. If there is a free license remaining in the Hardware Protection Key, the license manager issues this to the client PC. When the client PC exits the application, the license is returned to the license manager and becomes available for other PCs on the network.

For example, when Acuity is run on a client PC, Acuity searches the network for a Network License Manager and a requests a license. The license manager software allocates a license to each client PC, up to the maximum number of licenses available on that Hardware Protection Key. If there are no available licenses on one Hardware Protection Key, Acuity will search the network for other Hardware Protection Keys. If none are found, Acuity reports to the user that a Hardware Protection Key could not be found.

2. Can network Hardware Protection Keys be combined, *e.g.*, 5-seat Hardware Protection Key + 10-seat Hardware Protection Key = 15 seats?

Yes, USB NetHASP Hardware Protection Keys can be combined, on one or more computers.

3. Can a network license be accessed remotely via dial-up?

Yes, NetHASP works over a TCP connection. But the computer that has the network Hardware Protection Key attached has to be accessed remotely, through a secured gateway, like a VPN connection, or a hole in the firewall.

4. If the network goes down, can the network Hardware Protection Key be moved to any other computer and used as a single-user license until the server is restored?

Yes.

5. Does the Hardware Protection Key track active use, or only whether the application is open (*i.e.*, if a copy of Acuity or GenePix Pro is open but minimized does it still occupy a seat)?

When the application is started, it occupies one seat until the program is closed. So minimizing the program still occupies a seat. Note that if the computer crashes, the network license will still be occupied. You must re-open the program on the same computer again, as the license is still in use, and when the program exits correctly then the license is returned. If for some reason the program will not re-start, running the "Remove All" and "Load All" menu commands in the License Manager will reset all licenses.

6. Is there a way to track which computers are using seats at any time (*e.g.*, if someone goes on vacation and leaves Acuity or GenePix Pro running)?

Yes. Run **AKS Monitor** on the computer with the network Hardware Protection Key installed, available from the Start Menu / Programs / Aladdin directory. It shows the IP address and/or name of every computer that has a license checked out.

7. What type of computer is required to install a network Hardware Protection Key? Is there a load on resources?

The computer that has the Hardware Protection Key installed doesn't have to be a server. There is no load on the system resources, so you can install it on the server, or if you have another secure computer, use that. Since Windows NT does not support USB, the Network Hardware Protection Key must be attached to a computer running Windows 98, ME, 2000, or XP.

8. My database server is running Windows NT. How can I use a network Hardware Protection Key?

The computer that is database server does not have to be the network Hardware Protection Key server. Install the network Hardware Protection Key and license manger software on another computer running Windows 98, ME, 2000, or XP.

Installing NetHASP License Manager under Windows 95/98/ME

General Setup Information

A Hardware Protection Key device is designed to prevent illegal use and distribution of software. The Acuity USB NetHASP Hardware Protection Key allows multiple licenses to be used on a network without using multiple Hardware Protection Keys. It also permits centralized management of licenses within an organization.

The Acuity Hardware Protection Key can be connected to any computer on the network provided that the Operating System is not Windows NT. Choose a computer that is always switched on and rarely rebooted. A server is usually a good choice, but it's important to reiterate that USB devices are not supported on the Windows NT platform. Therefore, do not install the Acuity Hardware Protection Key on an NT machine. Load the NetHASP License Manager on the same machine.

Typically, this installation would be done on the database server, or Systems Administrator's machine. However, if the server runs NT, then it may be necessary to do the install on Windows 95/98/ME.

To Setup the NetHASP License Manager under Windows 95/98/ME:

🖳 My Computer	
File Edit View Favorites T	Tools Help
$] \leftarrow Back + \Rightarrow + E @Searce}$	ch 🔁 Folders 🧭 History 🎬 🧏 🗶 🖍 🏢 -
Address 🖳 My Computer	
My Computer Acuity_1.0 (E:) Compact Disc	31/2 Floppy (A:) Local Disk (C:) Acuity (A:) Copen El Nore Search Sharing
Capacity: 178 MB	Copy Disk 뼻 Add to Zip
	Eject

• Open the Acuity installation CD.

In the Network Dongle folder:

🔁 E:\Network Dongle				
File Edit View Favorites	Tools Help			
📙 🖨 Back 🔹 🔿 👻 🔂 😡 Sear	ch 強 Folders 🎯 History 🛛 🏰 🕻			
Address 🗀 E:\Network Dongle	Address C:\Network Dongle			
Network Dongle	Imse Type: Application Size: 3.26 MB			
Select an item to view its description.	·			

• Double-click Imsetup.exe.



• Select Yes.

Setup	×
?	To run Setup, you should close any active NetHASP License Manager. Click No to quit Setup and then close any active NetHASP License Managers. Click Yes to continue Setup.
	Continue Setup?
	Yes No

• Select Yes.



Setup Type			X
www.eAladdin.com	Please select a	ype of setup: Typical: Install NetHASP License Manager (with default settings). Service: Install NetHASP License Manager as a Windows NT service. Custom: Custom: Customize setup options.	
Press F1 to open the help f	ile.	< Back Next > Cancel	

• Select **Typical**, Select Next.

Select Destination Direct	ory 🔰
www.eAladdin.com	Setup will install NetHASP License Manager in the destination directory listed below.
all con	To install to this directory, click Next.
	To install to a different directory, click Browse and select another directory.
	You can choose not to install NetHASP License Manager by clicking Cancel to exit Setup.
	Destination Directory
	c:\Program Files\Aladdin\NetHASP LM Browse
	< Back Next > Cancel



• Select Yes.

Confirm your Selection X To review or change any settings, click Back. To install www.eAladdin.com NetHASP License Manager now, click Next. Securing the Global Village Current Settings: Setup Type: TYPICAL: Install NetHASP License Manager Version 8.08 Target Directory: c:\Program Files\Aladdin\NetHASP LM Program Folder: NetHASP License Manager -€ <u>N</u>ext > Cancel Press F1 to open the help file. < <u>B</u>ack

• Select Next.



Setup will then immediately install the NetHASP Device Driver:

Setup	x
?	The NetHASP LM requires the HASP Device Driver.
	During installation of the Device Driver all 16bit applications will be closed. The installation process does a version check of your drivers.
	Click YES to install Device Driver now.
	Yes k

• Select Yes.





• Select Finish.

Appendix C

PDF Printer Driver Installation

The PDF Printer Driver allows printing to PDF file format.

To print to PDF, simply select FinePrint pdfFactory as your printer device.

Setup	Acuil	ty 4.0	×			
Weld optic	Welcome to the Axon Acuity Installer. Please choose from the options below.					
lf yo plea:	u are g se do s	going to install Microsoft SQL Server Desktop Engir so before installing Acuity.	ne,			
	– Insta	əll ———————————————————————————————————				
	<u>1</u> .	Microsoft SQL Server Desktop Engine				
	<u>2</u> .	Acuity 4.0				
	<u>3</u> .	PDF Printer Driver				
	<u>4</u> .	Affymetrix File Support Pack				
		E <u>x</u> it				

• Select 3. PDF Printer Driver.

96 • PDF Printer Driver Installation

WinZip Self-Extractor - fppnt.exe	
FinePrint pdfFactory v1.53	Setup
Please press the Setup button to begin installation.	Cancel
	About

• Select Setup.

pdfFactor	y								X
?	This will install f	=inePrint p	dfFactory	v1.53 on	your c	omputer.	Would yo	u like to (continue?
			Yes	2_	No				

• Select Yes.

FinePrint pdfFactory License Agreement	×
FinePrint pdfFactory License Agreement	-
You should carefully read the following terms and conditions before using this software. Unless you have a different license agreement signed by FinePrint Software, LLC. ("FS") your use, distribution, or installation of this copy of pdfFactory indicates your acceptance of this License.	
If you do not agree to any of the terms of this License, then do not install, distribute or use this copy of pdfFactory. If you paid FS or an authorized FS distributor for this copy individually, you may return it unused, within thirty (30) days after purchase, for a full refund of your payment.	
This copy of pdfFactory may either be used by a single person who uses the software personally on one or more computers, or installed on a single workstation used nonsimultaneously by multiple people, but not both. This is not a concurrent use license.	
You may access this copy through a network, provided that you have obtained an individual pdfFactory license for each workstation that will access pdfFactory through the network. For instance, if 8	•
I accept the terms	

• Read and accept the License Agreement.

pdfFactor	Y								×
?	FinePrint pdfFa You must restar	ctory was rt your cor	successful mputer bef	lly installe [:] ore using	d! I pdfFac	tory. V	Vould you li	ke to res	tart now?
			Yes		No				

• Select Yes to restart your computer.

Appendix D

Affymetrix File Support Pack Installation

The Affymetrix File Support Pack is required if you are going to be importing Affymetrix files. This needs to be installed on each client computer that is going to be importing Affymetrix files.

Setup	Acuit	:y 4.0 🔀					
Wel optic	Welcome to the Axon Acuity Installer. Please choose from the options below.						
lf yo plea	u are g se do s	oing to install Microsoft SQL Server Desktop Engine, to before installing Acuity.					
	- Insta	II					
	<u>1</u> .	Microsoft SQL Server Desktop Engine					
	<u>2</u> .	Acuity 4.0					
	<u>3</u> .	PDF Printer Driver					
	<u>4</u> .	Affymetrix File Support Pack					
		E <u>x</u> it					

• Select 4. Affymetrix File Support Pack .



InstallShield Wizard	×
License Agreement Please read the following license agreement carefully.	
Press the PAGE DOWN key to see the rest of the agreement.	
AFFYMETRIX, INC. LIMITED RESEARCH AND DEVELOPMENT LICENSE	
Affymetrix® Application Programming Interface (API) Run-Time Libraries	
IMPORTANT - PLEASE READ CAREFULLY: This Limited License Agreement (the [Agreement]) is a legally binding agreement between you (either an individual or an entity) and Affymetrix, Inc. for the Affymetrix software product identified above, which includes computer software and may include related media, printed materials and/or electronic documentation (the [Software]). This Agreement contains terms and conditions which are	-
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install GDACFiles, you must accept this agreement.	L,
InstallShield	
< <u>B</u> ack <u>Y</u> es <u>N</u> o	

• Read and accept the License Agreement.

InstallShield Wizard	×
Choose Destination Location Select folder where Setup will install files.	
To install to this folder, click Next. To install to a different folder, click Browse and select another folder NOTE: 'GDACFiles' folder will be appended to the folder you have selected via the Browse button.	
Destination Folder C:\Program Files\Affymetrix\GDACFiles Browse	
InstallShield <u>< Back Next ></u> Cancel]

• Choose a location to install the file support pack, and select Next.

InstallShield Wizard	×
GDACFiles Install Setup Confirmation	
Please confirm the GDACFiles Installation settings:	ů
Current Settings:	
Installing to Target Directory: \C:\Program Files\Affymetrix\GDACFiles	<u> </u>
	T
<u> </u>	V
InstallShield	
< Back	Cancel

• Confirm the installation location, and select Next.


• When the installation is finished, select Finish.

Appendix E

Acuity Installation Checklist

Install Microsoft SQL Server 2000 on the Database Server machine.
- You may choose to install MSDE instead.
Install the Acuity Database and Client software on the server.
Install the Network License Manager software on the Hardware Protection Key server.
Install the Hardware Protection Key on the Hardware Protection Key server.
Install the NetHASP Monitor (Optional).
Install the Acuity Client on all client machines.
Install the PDF Printer Driver on all client machines.
Run Acuity for the first time on all client PC's.
Create Data Sources on all client PC's.

Technical Assistance

If you need help to resolve a problem, there are several ways to contact Axon Instruments:

World Wide Web

www.axon.com

Phone +1 (510) 675-6200

Fax

+1 (510) 675-6300

E-mail

tech@axon.com

Questions?

See Axon's Knowledge Base: http://support.axon.com