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User Manual

# Affymetrix<sup>®</sup> GeneChip<sup>®</sup> Command Console<sup>®</sup> (AGCC) 4.0

# Installation Instructions

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## **Table of Contents**

Chapter 1	Welcome to the Installation Instructions	5
	Conventions Used in This Guide	.5
	Resources	.6
Chapter 2	Installing AGCC 4.0 on Windows XP or Windows 7	8
	Overview of Installation	.8
	Installing the AGCC Components on Windows XP or Windows 7	12
	Installing Affymetrix Data Exchange Console	19
	Importing Libraries for Cartridge Arrays	31
	Installing GeneTitan Library Files	45
	Installing Fluidics Protocols	47
Chapter 3	Upgrading to AGCC 4.0 on Windows XP or Windows 7	52
	Upgrade Outline	52
	Upgrading the AGCC Components on Windows XP or Windows 7	52
	Upgrading Affymetrix Data Exchange Console and Other Components	57
Appendix A	Setup for GeneTitan IC Workstation	62

## **Welcome to the Installation Instructions**

The AGCC Installation Instructions contain instructions for installing and configuring or upgrading the AGCC 4.0 software components on a computer running Windows XP Professional (32-bit) SP3 or Windows 7 Professional (64-bit) SP1:

- Chapter 2, Installing AGCC 4.0 on Windows XP or Windows 7 on page 8
- Chapter 3, Upgrading to AGCC 4.0 on Windows XP or Windows 7 on page 52

## **Conventions Used in This Guide**

This guide provides detailed instructions for installing AGCC on a computer running Windows XP Pro SP3. Various conventions are used throughout the manual to help illustrate the procedures described. Explanations of these conventions are provided below.

#### Steps

Instructions for procedures are written in a step format. Immediately following the step number is the action to be performed. Following the response additional information pertaining to the step may be found and is presented in paragraph format. For example:

1. Click Yes to continue.

The Delete task proceeds.

In the lower right pane the status is displayed.

To view more information pertaining to the delete task, right-click **Delete** and select **View Task Log** from the shortcut menu that appears.

#### **Font Styles**

Bold fonts indicate names of commands, buttons, options or titles within a dialog box. When asked to enter specific information, such input appears in italics within the procedure being outlined. For example:

**1.** Click the **Find** button or select **Edit**  $\rightarrow$  **Find** from the menu bar.

The Find dialog box appears.

- 2. Enter AFFX-BioB-5\_at in the Find what box, then click Find Next to view the first search result.
- 3. Continue to click Find Next to view each successive search result.

#### **Screen Captures**

The steps outlining procedures are frequently supplemented with screen captures to further illustrate the instructions given. The screen captures depicted in this manual may not exactly match the windows displayed on your screen.

#### **Additional Comments**

**TIP:** Information presented in Tips provide helpful advice or shortcuts for completing a task.

6

**NOTE:** The Note format presents important information pertaining to the text or procedure being outlined.

!

**IMPORTANT:** The Important format presents important information that may affect the accuracy of your results.

*.....* 

**CAUTION:** Caution notes advise you that the consequence(s) of an action may be irreversible and/or result in lost data.



**WARNING:** Warnings alert you to situations where physical harm to person or damage to hardware is possible.

## **Resources**

#### **Online Documentation**

The Zip File with AGCC software includes an electronic version of this guide. The online documentation is in Adobe Acrobat<sup>®</sup> format (a \*.pdf file) and is readable with the Adobe<sup>®</sup> Acrobat Reader<sup>®</sup> software, available at no charge from Adobe at http://www.adobe.com.

Context-sensitive online help can be accessed by clicking the help links in the software components.

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## Installing AGCC 4.0 on Windows XP or Windows 7

This chapter has instructions for installing the AGCC 4.0 software on a computer running Windows XP Professional (32-bit) SP3 or Windows 7 Professional (64-bit) SP1.

IMPORTANT: AGCC 4.0 supports upgrades from AGCC 3.2.4 (or higher) on Windows XP and AGCC 3.3 (or higher) on Windows 7. See Chapter 3, Upgrading to AGCC 4.0 on Windows XP or Windows 7 on page 52.

The features and functions of AGCC vary depending upon which instrument or instruments it is being used with.

Table 2.1 Operating systems for AGCC

Operating System	GCS3000/FS450 Instrument	GeneTitan <sup>®</sup> Instrument	Analysis Only Workstation
Windows XP Pro (32-bit) SP3	Yes	Yes	Yes
Windows 7 Pro (64-bit) SP1	Yes	Yes	Yes

A computer running AGCC software and Windows XP or Windows 7 can also be connected to a Windows network to provide other options for organizing and consolidating data. For more information, see *Appendix A*, *Network Functionality for AGCC on Windows XP or Windows 7* of the AGCC User Manual.

The installation process is described in the following sections:

- Overview of Installation, below
- Installing the AGCC Components on Windows XP or Windows 7 on page 12
- Installing Affymetrix Data Exchange Console on page 19
- Importing Libraries for Cartridge Arrays on page 31
- Installing Fluidics Protocols on page 47

## **Overview of Installation**

The installation overview contains:

- Requirements
- Installation and Configuration Outline on page 11

### Requirements

There are three different options for installing AGCC; each option has different requirements:

- Installing AGCC with Instrument Control for Cartridge Arrays on page 9 Supports:
  - □ Fluidics Station 450 (FS450)
  - □ GeneChip Scanner 3000 (GCS3000)
- Installing AGCC with AGCC GeneTitan Control on page 9 Supports the GeneTitan Instrument
- Installing AGCC for Analysis Workstation on page 10

#### Installing AGCC with Instrument Control for Cartridge Arrays

The AGCC Instrument Control system for Cartridge Arrays supports:

- Fluidics Station 450 (FS450)
- GeneChip Scanner 3000 (GCS3000)

AGCC with Instrument Control for Cartridge Arrays requires the following AGCC components:

- AGCC Portal
- AGCC Fluidics Control
- AGCC Scan Control
- AGCC Viewer

NOTE: GeneTitan Library File Installer is installed with both AGCC and DEC.

AGCC with Instrument Control for Cartridge Arrays requires the following tools:

- Data Exchange Console
- Reconnector
- Library File Importer

**NOTE:** GeneTitan Library File Installer is installed with both AGCC and DEC.

- Email Configuration Editor
- Data Uploader

The AGCC Instrument Control System requires the following:

• Installation on Windows XP Professional (32-bit) with SP3 or Windows 7 Professional (64-bit) with SP1.



**NOTE:** Storage requirements depend upon how much data you wish to store on the Instrument Control system before moving the data to another computer.

Internet Explorer 8.0 and newer or Firefox 2.0 and newer

Instrument Control Workstations are sold by Affymetrix.

NOTE: Norton Antivirus can interfere with AGGC software The symptom is that AGCC will stop generating CEL files. If that problem occurs, then you should check the Norton Anti-Virus settings as described in Appendix A, Settings for Norton Anti-Virus.

#### Installing AGCC with AGCC GeneTitan Control

Installing AGCC with AGCC GeneTitan Control requires the following AGCC components:

- AGCC Portal
- AGCC GeneTitan Control
- AGCC Viewer
- GeneTitan Library File Installer



NOTE: GeneTitan Library File Installer is installed with both AGCC and DEC.

AGCC with AGCC GeneTitan Control requires the following tools:

Data Exchange Console

- Reconnector
- GeneTitan Library File Installer



**NOTE:** GeneTitan Library File Installer is installed with both AGCC and DEC.

- Email Configuration Editor
- Data Uploader

The AGCC Instrument Control System requires the following:

• Installation on Windows XP Professional (32-bit) with SP3 or Windows 7 Professional (64-bit) with SP1.

IMPORTANT: A computer used as a GeneTitan workstation requires a user account with specific privilege settings. In addition, some of the other features of Windows XP or Windows 7 must be set up in particular ways or disabled to avoid causing problems when running GeneTitan IC software.

A workstation set up by Affymetrix for use with GeneTitan has a user account called AFFXUser with these privileges and features already set. If the settings have been changed, refer to *Appendix A*, *Setup for GeneTitan IC Workstation on page 62* for information about the correct settings.



**NOTE:** Storage requirements depend upon how much data you wish to store on the Instrument Control system before moving the data to another computer.

- Systems equipped with Windows XP Professional (32-bit) with SP3 require Internet Explorer 8 (or higher) or Firefox 19 (or higher).
- Systems equipped with Windows 7 Professional (64-bit) with SP1 require Internet Explorer 10 (or higher) or Firefox 19 (or higher).

Instrument Control Workstations are sold by Affymetrix.

#### Installing AGCC for Analysis Workstation

AGCC without Instrument Control requires installing:

- AGCC Portal
- AGCC Viewer

The AGCC workstation (non-instrument control system) requires the following:

- Installation on Windows XP Professional (32-bit) with SP3 or Windows 7 Professional (64-bit) with SP1.
- 1 GB RAM (2 GB RAM Recommended)
- 500 MB free disk space for install
- 500 GB to 1 TB storage recommended

NOTE: Storage requirements depend upon the quantity of data being analyzed in a data set.

- Systems equipped with Windows XP Professional (32-bit) with SP3 require Internet Explorer 8 (or higher) or Firefox 19 (or higher).
- Systems equipped with Windows 7 Professional (64-bit) with SP1 require Internet Explorer 10 (or higher) or Firefox 19 (or higher).
- Dual 3.0 GHz Intel Processors (Dual-core or two dual processor systems recommended)

#### Installation and Configuration Outline

#### To install and configure AGCC:

**1.** Install the AGCC components.

See *Installing the AGCC Components on Windows XP or Windows 7 on page 12* for more information.

2. Install the Affymetrix Data Exchange Console components (DEC).

The Data Exchange Console install package installs:

- Data Exchange Console (DEC)
- Affymetrix Command Console Library Importer Tool
- Affymetrix Command Console Reconnector
- GeneTitan Library File Installer

These tools enable you to:

- Import or install Library files
- Import data from GCOS systems
- Reconnect broken data links

These are necessary for installing library files and importing data from GCOS systems. See *Installing Affymetrix Data Exchange Console on page 19* for more information.

**NOTE:** To use DEC to connect to a GCOS Server, you must install DEC for GCOS Server on the GCOS Server first. For more information, see Installing *Installing DEC for GCOS Server* on the GCOS Server on page 23.

3. Install library files for the probe array types you are using.

After installation, you need to install libraries for the probe array types you are using. See:

- Importing Libraries for Cartridge Arrays on page 31 for more information about cartridge array libraries.
- *Installing GeneTitan Library Files on page 45* for information about GeneTitan array plate libraries.
- 4. Install Fluidics protocols.

The fluidics protocols are files that list the steps used to process different types of probe arrays. You will need to install the protocols before using the AGCC Fluidics Control software. See *Installing Fluidics Protocols on page 47* for more information.

NOTE: This step is not needed if you are not installing and using the AGCC instrument control software, or if you are installing the AGCC GeneTitan Control software, since the fluidics protocols for the GeneTitan System are installed with the software.

5. (Optional) Configuring AGCC software to use network functionality.

A computer running AGCC can be connected to a Windows network to provide additional options for data organization and consolidation. To use network functionality, you need to configure AGCC Services.

See Appendix A, Network Functionality for AGCC on Windows XP or Windows 7 of the AGCC User Manual for more information.

6. (Optional) Add data roots and change default folders.

The AGCC software uses data roots and a default folder to organize data. A default data root is created when AGCC is installed.

Depending upon your situation, you may want to add additional data roots or change the default folder. For more information see:

• Adding the Network Data Storage as a Data Root of the AGCC User Manual.

- Managing Data Roots of the AGCC User Manual.
- Specifying a Default Folder of the AGCC User Manual.

## Installing the AGCC Components on Windows XP or Windows 7

>

**NOTE:** You must be logged in as a user with local administrative rights to install AGCC.

**NOTE:** The sample screen captures depicted in this guide may not exactly match the windows displayed on your monitor.

**NOTE:** The Command Console installer (depending on your system's Operating System) installs either Microsoft .NET 4.0 or 4.5, then it installs Microsoft SQL Server 2005 Express Edition.

**NOTE:** Depending on other software already installed on your system, the screen shots throughout this document may vary (from what is on your screen).

At least 500 MB of available disk space is recommended for the installation.

#### To install AGCC software:

- 1. Unzip the AGCC install package by right-clicking on the install package and selecting Extract All.
- 2. Browse to the AGCCSetup folder in the unzipped install package.
- **3.** Double-click on the **AGCC\_Setup\_4.0.exe** file.

The self-extraction runs. (Figure 2.1)

Figure 2.1 Self-extraction runnin	g	
WinZip Self-Extractor - AGCC_Setup_3.2.	exe 🛛 🔀	
To unzip all files in AGCC_Setup_3.2.exe to the specified folder press the Unzip button.	Unzip	
Unzip to folder:	Run WinZip	
Overwrite files without prompting		
When done unzipping open: .\AGCC\Setup.exe	Help	
Unzipping dotnet/x35.exe		

When the self-extraction is complete, the AGCC InstallShield Wizard About window appears. (Figure 2.2)



**IMPORTANT:** If .NET 4.0/4.5 is not installed on your computer, the installer prompts you to install it. (Figure 2.4)

Figure 2.3 Microsoft .NET Framework window	
Affymetrix GeneChip Command Console - InstallShield Wizard	
Affymetrix GeneChip Command Console requires the following items your computer. Click Install to begin installing these requirements.	to be installed on
Status Requirement	
Pending Microsoft .NET Framework 4.5 Full	
Install	Cancel

4. Click Install/

Allow several minutes for Microsoft .NET Framework to install. You may be prompted to restart your computer after .NET is installed.



5. Click Next.

The License Agreement window appears. (Figure 2.5)

Figure 2.5 Licens	e Agreement window
Affymetrix GeneChip Command C	onsole - InstallShield Wizard
License Agreement Please read the following license	agreement carefully.
	Affymetrix, Inc. Destination Control Statement and Client Software End User License Agreement If exporting outside the continental United States and Canada:
GeneChip®	Destination Control Statement For the purposes of this Destination Control Statement ("DCS"), the use
	of 'export' shall mean the transfer of Products outside of the continental United States. End User acknowledges that the exportation of Products is subject to compliance under the United States Export Control Administration Act of 1979 and the Export Administration Act of 1985, as they may be amended from time to time, and the rules and regulations promulgated thereunder (collectively, the "Act"). If you, the "End User," exports the Products (software) after receipt and/or +
GeneTitan <sup>®</sup> Instrument	I accept the terms of the license agreement     Print     I do not accept the terms of the license agreement
InstallShield	< <u>Back</u> <u>N</u> ext> Cancel

**6.** After reading the License Agreement, select the button to accept the terms and click **Next**. The Instrument Selection window appears. (Figure 2.6)



- 7. Select the instrument control software you wish to install and click Next.
- **IMPORTANT:** A computer used as a GeneTitan workstation requires a user account with specific privilege settings. In addition, some of the other features of Windows XP or Windows 7 must be set up in particular ways or disabled to avoid causing problems when running GeneTitan IC software.

A workstation set up by Affymetrix for use with GeneTitan has a user account called AFFXUser with these privileges and features already set. If the settings have been changed, refer to *Appendix A*, *Setup for GeneTitan IC Workstation on page 62* for information about the correct settings.



The Choose Destination Location window appears. (Figure 2.7)

**NOTE:** Changing the destination is NOT recommended. Changing the destination changes only the location of the executable files, not the data directory or the library file folder.

**8.** Accept the destination for AGCC and click **Next**. The following message appears. (Figure 2.9)



9. Click OK.



#### 10. Click OK.

The Installing Prerequisites window appears. (Figure 2.10)

Figure 2.10 Installing Prerequisites window
Microsoft SQL Server 2005 Setup
Installing Prerequisites Installs software components required prior to installing SQL Server.
SQL Server Component Update will install the following components Arequired for SQL Server Setup:
Microsoft SQL Native Client Microsoft SQL Server 2005 Setup Support Files
Configuring components
[nstall Cancel

After the prerequisites have been determined, the Setup Progress window displays the progress of the MSSQL install. (Figure 2.11)

Allow several minutes for the MSSQL application to install.

Figure 2.11 Setup winstallation	ndow for MSSQL
14	
MICrosoft SQL Server 2005 Setup	
Setup Progress The selected components are being config	ured
	-
Product	Status
MSXML6	Configuration and the
SOL Native Client	Configuring components
SOL VSS Writer	
SOL Server Database Services	
Workstation Components, Books Onlin	
Status	
Julius	
Help	<< Back Next >> Cancel
	,



# **IMPORTANT:** Do not click the Cancel button while installing Microsoft SQL Server 2005 Express.

When the MSSQL installation is finished, the Current Settings window appears. (Figure 2.12)



11. Click Next.

The Setup Status window appears. (Figure 2.13)

Figure 2.13 Setup	Status window	
Affymetrix GeneChip Command Cor	sole - InstallShield Wizard	×
Setup Status		
	Alfymetrix GeneChip Command Console is configuring your new software installation.	
GeneChip* عند Cartridge System		
GeneTitan™ Instrument		
InstellShield		Cancel

The following message appears. (Figure 2.14)

Figure	e 2.14 DEC 2.0 notice	
Affymet	rix GeneChip Command Console - InstallShield Wizard	X
(i)	DEC 2.0.3 is available to use the new features in AGCC 3.2	
	ОК	

#### 12. Click OK.

The InstallShield Complete window appears. (Figure 2.15)



**13.** Click the **Yes**, **I want to restart my computer now** button, then click **Finish** to restart the computer and complete the installation.

#### After the computer restarts, you need to:

**A.** Install Affymetrix Data Exchange Console (DEC), which also installs the Library File Importer and the Reconnector.

See Installing Affymetrix Data Exchange Console on page 19 for more information.

**B.** Install library files for the probe array types you are using.

See:

- *Importing Libraries for Cartridge Arrays on page 31* for more information about cartridge array libraries.
- *Installing GeneTitan Library Files on page 45* for information about GeneTitan array plate libraries.
- **C.** Install Fluidics protocols.

See Installing Fluidics Protocols on page 47.



**NOTE:** This step is not necessary if you are not installing the AGCC Instrument Control software.

You may also wish to:

- (Optional) Configure AGCC software to use network functionality.
- See Appendix A, Network Functionality for AGCC on Windows XP or Windows 7 of the AGCC User Manual.
- (Optional) Add data roots and change default folders.

For more information see:

- Managing Data Roots of the AGCC User Manual.
- Specifying a Default Folder of the AGCC User Manual.

## Installing Affymetrix Data Exchange Console

The Affymetrix DEC installer installs:

- Affymetrix Data Exchange Console
- Command Console Library File Importer
- Affymetrix Command Console Reconnector
- GeneTitan Library File Installer



NOTE: GeneTitan Library File Installer is installed with both AGCC and DEC.

For more information, see the following documentation:

- Importing Libraries for Cartridge Arrays on page 31
- Installing GeneTitan Library Files on page 45
- Affymetrix<sup>®</sup> Data Exchange Console User's Guide
- Affymetrix<sup>®</sup> Command Console<sup>®</sup> Reconnector User's Guide



**NOTE:** You must be logged in as a user with local administrative rights to install the DEC software.



DEC is a separate application and does not require AGCC installation. You will need to install the library files for the probe array types you are working with to use DEC to import data, even if AGCC is not installed.

**IMPORTANT:** To use DEC to connect to a GCOS Server, you must install DEC for GCOS Server on the GCOS Server first. For more information, see *Installing DEC for GCOS Server* on the GCOS Server on page 23.

#### Installing DEC and Other Components

To install DEC, Library Importer, and Reconnector:

- 1. Browse to the AGCCSetup folder in the unzipped install package.
- 2. Double-click on the DEC\_Setup\_2.0.exe file. The self-extraction runs. (Figure 2.16)



When the self-extraction is complete, the splash window appears. (Figure 2.17)



The DEC InstallShield Wizard Welcome window appears. (Figure 2.18)



3. Click Next.

The License Agreement window appears. (Figure 2.19)



**4.** Read the license agreement, select the button to accept the terms, and click **Next**. The **Choose Destination Location** window appears. (Figure 2.20)

Figure 2.20 Choose Destination Location window		
Affymetrix Data Exchange	Console - InstallShield Wizard	
Choose Destination Locati Select folder where setup will	on install files.	
	Setup will install Aflymetrix Data Exchange Console in the following folder.	
	To install to this folder, click Next. To install to a different folder, click Browse and select another folder.	
	-Destination Folde: C.\Program Files\Affymetrix\Data Exchange Console\ <u>Browse</u>	
InstallShield	< Back Next> Cancel	

Accept the destination for DEC and click Next.
 The Ready to Install window appears. (Figure 2.21)

Figure 2.21 Ready to Install window		
iffymetrix Data Exchange C	onsole - InstallShield Wizard 🛛 👔	
Ready to Install the Program The wizard is ready to begin installation.		
	Click Install to begin the installation.	
	If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.	
Install Shield	< Back Install Cancel	

6. Click Install.

The Setup Status window appears. (Figure 2.22)

Figure 2.22 Setu	ıp Status window
Affymetrix Data Exchange Co	nnsole - InstallShield Wizard
Setup Status	
	Atlymetrix Data Exchange Console is configuring your new software installation.
InstallShield	Cancel

When the install is finished, the InstallShield Complete window appears. (Figure 2.23)

Figure 2.23 Installshield Complete window			
Affymetrix Data Exchange Console - InstallShield Wizard			
InstallShield Wizard Complete			
	Setup has finished installing Affymetrix Data Exchange Console on your computer.		
Install Shield	< Back Finish Cancel		

7. Click **Finish** to complete the installation.

## Installing DEC for GCOS Server on the GCOS Server

If you wish to connect to a GCOS server with DEC, you must install DEC for GCOS Server on the GCOS server. If DEC for GCOS Server is not installed on the server, you will see the following permission error (Figure 2.24):

Figure 2.2	4 Error Message
Error	
Access was de cshepp1-1,csh	rnied to the following experiments - lepp1-2

#### To install DEC for GCOS Server:

- **1.** If File Security is enabled on the GCOS Server, disable the File Security on the GCOS server before proceeding with the rest of the steps.
- **2.** Browse to the AGCCSetup folder in the install package.
- **3.** Double-click on the DECOnGCOS\_Server\_Setup\_1.0.exe file.

If you have not disabled File Security on GCOS, the following error notice appears (Figure 2.25):

Figur	e 2.25 Error notice	
ata Exc	hange Console for GCOS System - InstallShield Wizard	×
8	The Data Exchange Console requires GCOS file security to be disa Please disable GCOS file security and restart this installation.	ibled.

Click **OK** and disable the File Security on the GCOS Server and double-click on the DECOnGCOS\_Server\_Setup\_1.0.exe file.

The DEC for GCOS Server InstallShield Wizard Welcome window appears (Figure 2.26):

Figure 2.26 Welcome	e window	
I ata Exchange Console for GC	OS System - InstallShield Wizard	×
E	Welcome to the InstallShield Wizard for Data Exchange Console for GCOS System	
	Exchange Console for GCOS System The InstallShield Wizard will install Data Exchange Console for GCOS System on your computer. To continue, click Next.	
	< Back Next > Cancel	<u> </u>

4. Click Next.

The Ready to Install window appears. (Figure 2.27)

ata Exchange Console for GCOS System -	InstallShield Wizard
Ready to Install the Program The wizard is ready to begin installation.	
Click Install to begin the installation.	
the wizard.	istaliation settings, click back, click bancer to exit

#### 5. Click Install.

When the installation is finished, the Install Complete window appears. (Figure 2.28)

Figure 2.28 Installshield Wizard Complete window		
Nata Exchange Console for GCOS System - InstallShield Wizard		
	InstallShield Wizard Complete Setup has finished installing Data Exchange Console for GCOS System on your computer.	
< Back: Finish Cancel		

6. Click Finish to complete the installation.



#### **Manually Configuring DCOM Permissions**

When installing DecOnGcos on a computer running Windows Server 2003 and GCOS, you will need to set the DCOM configuration settings manually.

This section explains how to set the DCOM configuration settings manually. See the GCOS Server Installation and Administration Guide for more information on the DCOM settings.

#### To manually configure DCOM permission:

**1.** Open a command window and type dcomcnfg.

The Component Services snap-in appears. (Figure 2.29)

Figure 2.29 Component Se	rvices window	
Component Services	Console Root Name Component Services Event Viewer (Local)	

- In the Console Root tree on the left side of the window, open Component Services → Computers → My Computer → DCOM Config.
- 3. Right-click on the AffyXMLFile Class node and select Properties. (Figure 2.30)



The Properties window appears.

**4.** Click the **Security** tab. (Figure 2.31)

<b>Figure 2.31</b> AffyXMLFile Class Properties dialog box, Security tab
AffyXMLFile Class Properties
General Location Security Endpoints Identity
Launch and Activation Permissions
C Use Default
Customize
Access Permissions
C Customize
Configuration Permissions
C Use Defa <u>u</u> lt
Customize
OK Cancel Apply

**5.** In the Launch and Activation Permissions section, select Customize and click Edit. The Launch Permission window appears. (Figure 2.32)

Figure 2.32 Setting La authenticated users	aunch Perm	ission for
Launch Permission Security Group or user names: Administrators (D7BS4T01VA Authenticated Users INTERACTIVE SYSTEM	.dministrators)	<b>? ×</b>
Permissions for Authenticated Users Local Launch Remote Launch Local Activation Remote Activation	Add Allow V V	Bemove Deny
	OK.	Cancel

9

**6.** Edit the settings to give authenticated users launch permission. The permission may already be properly set.

**NOTE:** The GcdoAffy component permissions and the system DCOM permissions will already have been set by the GCOS server installer.

7. Click OK in the Launch Permission dialog box to close it.

8. In the Access Permissions section of the Security tab of the AffyXMLFile Class Properties window (Figure 2.33), select Customize, then click Edit.

<b>Figure 2.33</b> AffyXMLFile Class Properties dialog box, selecting Access Permissions
AffyXMLFile Class Properties
General Location Security Endpoints Identity
C Use Default
Customize     Edit
Access Permissions
C Use Default
Lustomize
Configuration Permissions
C Use Default • Customize E-da
OK Cancel Apply

The Access Permission window appears. (Figure 2.34)

Figure 2.34 Setting Ac authenticated users	cess Permis	sions for
Access Permission		? 🔀
Group or user names: Administrators (D7BS4T01\Ad Authenticated Users INTERACTIVE NETWORK	dministrators)	
Permissions for Authenticated	A <u>d</u> d	Remove Deny
Local Access Remote Access		
	OK	Cancel

- **9.** Edit the settings to give authenticated users launch permission. The permission may already be properly set.
- **10.** Click **OK** in the Launch Permission dialog box.
- 11. Click OK in the AffyXMLFile Class Properties window.
- **12.** Close the Component Services window.

- On Win2003, the system DCOM settings also need to be set on the system.
- **13.** Click Start → Administrative Tools → Local Security Policy.

The Local Security Settings window appears.

14. Select the Security Options under the Local Policy node in the tree on the left. (Figure 2.35)

Figure 2.35 Local Security Settings window				
Local Security Settings				
Eile     Action     Yiew     Help $\leftarrow \rightarrow$ $\boxdot$ $\times$ $\boxdot$ $\blacksquare$	ş			
📴 Security Settings	Policy 🔺	Security Setting	► ►	
	Accounts: Administrator account status     Accounts: Guest account status     Accounts: Limit local account use of blank passwords to console logon only     Accounts: Rename administrator account     Accounts: Rename administrator account     Accounts: Rename guest account     Acduit: Audit the access of global system objects     Audit: Audit the use of Backup and Restore privilege     Audit: Audit the use of Backup and Restore privilege     Audit: Audit the use of Backup and Restore privilege     Audit: Audit the use of Backup and Restore privilege     Audit: Audit the use of Backup and Restore privilege     Audit: Audit the use of Backup and Restore privilege     Audit: Audit the use of Backup and Restore privilege     Audit: Audit the use of Backup and Restore privilege     Audit: Audit the use of Backup and Restore privilege     Audit: Audit the use of Backup and Restore privilege     Audit: Audit the use of Backup and Restore privilege     Audit: Subt down system immediately if unable to log security audits     DOM: Machine Access Restrictions in Security Descriptor Definition Language (     Devices: Allow undock without having to log on     Devices: Prevent users from installing printer drivers     Devices: Restrict CD-ROM access to locally logged-on user only     Devices: Restrict floppy access to locally logged-on user only     Devices: Restrict floppy access to locally logged-on user only     Devices: Restrict floppy access to locally logged-on user only     Devices: Loand the access to schedule tasks     Domain controller: Allow server operators to schedule tasks     Domain controller: LOAP server signing requirements	Not Applicable Not Applicable Enabled Administrator Guest Disabled Disabled O:BAG:BAD:(A;;CCDC;;;AN)(A;;CC O:BAG:BAD:(A;;CCDCLCSWRP;;;BA Enabled Administrators Disabled Disabled Disabled Silently succeed Not defined Not defined		
< · · · · · · · · · · · · · · · · · · ·	蹤Domain controller: Refuse machine account password changes 蹤Domain member: Digitally encrypt or sign secure channel data (always)	Not defined Enabled	~	

There will be two **DCOM:** entries in the list on the right.

**15.** Double click the first DCOM item (Machine Access Restrictions in Security Descriptor Definition Language (SDDL) syntax).

The DCOM: Machine Access Restrictions window appears. (Figure 2.36)

Figure 2.36 DCOM: Machine Access Restrictions dialog box		
DCOM: Machine Access Restrictions in Security Descri ?X		
DCOM: Machine Access Restrictions in Security Descriptor Definition Language (SDDL) syntax		
If the security descriptor is left blank after defining the policy setting in the template, the policy setting will not be enforced.		
Security descriptor: <u>Security descriptor:</u> A::CCDC:::ANI(A::CCDCLC:::AU)(A::CCDCLC:::WD)		

**16.** Click the **Edit Security** button.

The Access Permission dialog box appears (Figure 2.37)

Figure 2.37 Access Pe	rmissions dialog box
Access Permission	? 🛛
Security Limits	
<u>G</u> roup or user names:	
ANONYMOUS LOGON	
Everyone	
Permissions for Authenticated Users	A <u>d</u> d <u>R</u> emove Allow Deny
Local Access	
Remote Access	
	OK Cancel

- 17. Add Allow Local and Remote Access permissions for Authenticated Users.
- **18.** Click **OK** to close both dialog boxes.
- 19. In the Local Security Settings window, double click the second DCOM item (DCOM: Machine Launch Restrictions in Security Descriptor Definition Language (SDDL) syntax). The DCOM: Machine Launch Restrictions window appears. (Figure 2.38)

Figure 2.38 DCOM: MAchine Launch Restrictions		
DCOM: Machine Launch Restrictions in Security Des		
Template Security Policy Setting		
DCDM: Machine Launch Restrictions in Security Descriptor Definition Language (SDDL) syntax		
If the security descriptor is left blank after defining the policy setting in the template, the policy setting will not be enforced.		
Security descriptor:		
OK Cancel Apply		

**20.** Click **Edit Security** button.

The Launch Permission dialog box appears. (Figure 2.39)

Figure 2.39 Launch Permissions dialog box		
Launch Permission	? 🗙	
Security Limits		
Group or user names:		
ANONYMOUS LOGON		
Authenticated Users		
The contraction of the second		
Permissions for Authenticated	Aga <u>H</u> emove	
Users	Allow Deny	
Local Launch Berrote Launch		
Local Activation		
Remote Activation		
J		

#### 21. Add Allow Local and Remote Launch and Activation Permissions for Authenticated Users.

- 22. Click OK to close both dialog boxes.
- **23.** Close the Local Security Settings window.
- **24.** Restart the computer.

### Importing Libraries for Cartridge Arrays

The Affymetrix<sup>®</sup> Library File Importer imports GeneChip<sup>®</sup> Operating System (GCOS) library files into Affymetrix<sup>®</sup> GeneChip<sup>®</sup> Command Console<sup>™</sup> (AGCC), either by reading library file information from a GCOS database, or by reading the information from a set of library installer files. It can be used along with the Data Exchange Console (DEC) to migrate your data from GCOS to AGCC.

The Importer allows you to:

- Import library file information from a GCOS database that is located on the same computer as DEC and Library File Importer.
- Import library file information from a GCOS server on a remote machine.
- Import library file information from library install files on CDs or other sources.

The Library File Importer is installed with the AGCC DEC installer. See *Installing Affymetrix Data Exchange Console on page 19* for more information on installing DEC and Library File Importer.

NOTE: GCOS can only be installed on a computer using the US English language operating system (OS). The Library File Importer can be installed on computers running operating systems with other languages, such as German OS. When the Importer is installed on a computer with a non–US English language OS, since there can be no GCOS database installed on the computer, the Import from Local GCOS Database option in the Library File Importer will not be available.

#### Starting the Library File Importer

To start the Library File Importer:

1. Click the Microsoft<sup>®</sup> Windows<sup>®</sup> Start button 2 Start and select Programs  $\rightarrow$  Affymetrix  $\rightarrow$  Command Console Library File Importer; or

Click the Library File Importer icon in the AGCC Launcher.

The Welcome window appears. (Figure 2.40)

Figure 2.40 Welcome window		
	📱 Command Console Library File Importer 📃 🔲 🔀	
	The Affymetrix● Library File Importer imports GCOS library files into Affymetrix GeneChip™ Command Console, either by reading library file parameters from a GCOS database, or by reading parameters from a library file installer CD.	
	Please choose one of the following:	
	<ul> <li>Import parameters from the GCOS database on this machine</li> </ul>	
	O Import parameters from a GCOS server on another machine	
	O Import parameters from a GCOS library file package CD or folder	
	Command Console Library File Importer Version: 0.0.0.675 Copyright © 2007 Affymetrix, Inc. All Rights Reserved. Affymetrix® and GeneChip® are registered trademarks used by Affymetrix, Inc. License	

The following navigation buttons are at the bottom of the window:

License	Display the license information.
Cancel	Close the dialog box.

Next Go to the next step.

- 2. Select the type of source you wish to import from:
  - □ Import parameters from the GCOS database installed on the local workstation.
  - □ Import parameters from a GCOS server on another machine.
  - □ Import parameters from a GCOS library file package CD or folder.
- 3. Click Next.
- 4. The appropriate Select Source window appears for the type of source you selected:
  - □ Importing from Local GCOS Database, below
  - □ Importing from Remote GCOS Server on page 35
  - □ Importing from CD Files on page 38

#### Importing from Local GCOS Database

This option allows you to import library information into AGCC from a GCOS installation when AGCC and GCOS are installed on the same computer.

The Select Source window (Figure 2.41) appears when you have selected the Import from Local GCOS Database option.

You can use the **Back** button to return to the previous step.



**IMPORTANT:** If you wish to import from a local GCOS database, then DTT 1.1 or later should be installed on the local machine.

Figure 2.41 Select Source window (Local GCOS system)
Command Console Library File Importer
(Importing from the local GCOS database)
Select Sove Location Location to save the Allymetrix GeneChip Command Console library files: C.Command_ConsoleLibrary Browne
Earcel Back New

#### To proceed with the import:

**1.** Select Save Location:

Enter the path in the Select Save Location box; or

A. Click Browse.

The Browse for Folder window appears (Figure 2.42)



- **B.** Browse to the folder where you wish to place the library files; or Enter the name of the folder or the full Windows path for a folder.
- C. Click OK.

NOTE: The default location for the AGCC library files is install drive letter:\command\_console\library. AGCC will only use library files in the default location. Do NOT set the AGCC Library File location to the same location as the GCOS library file location as doing so will cause confusion.

2. Click Next in the Select Source dialog box.

The Select Probe Array Types window appears (Figure 2.43)

Figure 2.43 Select	Probe Array Types for import	
🕙 Command Console Library Fil	e Importer	
Found all probe array types.		
Select Probe Array Types		
HG-U133_Plus_2 TrueTag_10K_A		
Select <u>All</u> Unselect All		
	Cancel Back	<u>S</u> tart

The Select Probe Array Types window displays a list of the probe array data available in the GCOS software.

**3.** Select files for import by clicking in the checkbox next to the file.

You can also make and clear selections using the Select All and Unselect All buttons.

4. Click Start.

If you have selected library files that are already installed, the Choose Library Version window appears (Figure 2.44)

Figure 2.44 Choose Library Version window				
Choose Library Version				
Note: Command Console library files already exist in the folder where you chose to create new library files. Please review the version numbers of these existing library files compared to the version numbers of the new library files, and then click "OK". By choosing updating to the new version, the application will ONLY update the AGCC library files, such as master, workflow, and parameter files. It will NOT overwrite the existing GCOS library files, such as SMD, PSI or CDF files.				
Probe Array Type	Existing Version	New Version		
HG-U133_Plus_2	Keep 0.8.0	Convert to 0.7.0		
Keep All Update All Reset All				

For information on choosing library versions, see *Updating Library Versions on page 43*. Otherwise, the Status window appears (Figure 2.45)

Figure 2.45	Status	(Import completed)		
Command Console Library File Importer				
Probe Array Type HG-U133_Plus_2	Status Completed	Message Successfully imported		
View Log		Import Others Enish Cancel		

The Status window displays the progress of the library file import.

Library files without part numbers are noted in the window.

• Click Enter Part Numbers to open the Enter Part Number dialog box (see *Providing Missing Part Numbers on page 44*).

When the import is complete, you can:

- Click Import Others to import additional library files.
- Click View Log to see information about the imports.
- Click **Finish** to close the window.

#### Importing from Remote GCOS Server

This option allows you to import library files from a GCOS server on a remote machine.

**NOTE:** If you wish to import library files from a remote GCOS server, DTT 1.1 or later must be installed on the remote GCOS Server.

Figure 2.46 Select Source window (Remote GCOS server)				
Sommand Console Library File Importer				
Select Source of Library Files Enter the name of the GCOS server:	swdev06			
Select Save Location	mand Console library files:			
c:\Command_Console\Library Browse				
	Cancel Back Next			

#### To proceed with the import:

- 1. Enter the name of the GCOS server in Select Source.
- **2.** Select Save Location:

Enter the path in the Select Save Location box; or

A. Click Browse.

The Browse for Folder window appears. (Figure 2.47)

Figure 2.47 Browse for folder	
Browse For Folder	<u>?×</u>
Select Folder	
🕀 🧰 Help_Links	<u> </u>
🕀 🧰 Notes	
🕀 🧰 References	
🗆 🧰 Command_Console	
🕀 🧰 Data	
🕀 🧰 Fluidics	
🗀 Jobs	
🗀 Library	
🗀 Logs	-
•	
Folder: Library	
Make New Folder OK	Cancel

- **B.** Browse to the folder where you wish to put the library files.
- C. Click OK.

**NOTE:** The default location for the AGCC library files is install drive letter:\command\_console\library. AGCC will only use library files in the default location.

#### 3. Click Next.

The Select Probe Array Types window appears (Figure 2.48)

Figure 2.48         Select Probe Array Types for import				
Scommand Console Library File Importer				
Found all probe array types. Select Probe Array Types 7GComplex5umGeno 7GComplex7umGeno	Mapping10K_Xba131			
<ul> <li>✓ ax2bl87, a_ref_dir</li> <li>ax26087,b_ref_dir</li> <li>∞x26122b1</li> <li>DCNtaglQr510989</li> <li>✓ FTmerged_chip1</li> <li>✓ FTmerged_chip2</li> </ul>	Mapping250K_S(y) Mendel_Nsp Mendel_Sty Mitochip_2 SlingshotDev2_EA Test3			
FTmerged_chip3 FTmerged_chip4 FTmerged_chip5 FTmerged_chip6 GenFlex HG-Focus	True⊺ag_10K_A Xindur520311			
<ul> <li>✓ HG-U133A</li> <li>✓ HG-U133A</li> <li>✓ HG-U133A_2</li> <li>✓ HG-U133A_2</li> <li>─ Hu6800</li> <li>─ HuEx-1_0-st-ta1</li> </ul>				
Select <u>A</u> II Unselect AII				
	Cancel Back Start			

The Select Probe Array Types window displays a list of the probe array data available in the GCOS software.

4. Select files for import by clicking in the checkbox next to the file.

You can also make and clear selections using the Select All and Unselect All buttons.

5. Click Start.

If you have selected library files that are already installed, the Choose Library Version window appears (Figure 2.49)

Figure 2.49 Choose Library	/ Version Windo	W
Choose Library Version		
Note: Command Console library files already library files. Please review the version numbe version numbers of the new library files, and th By choosing updating to the new version, the a files, such as master, workflow, and parameter library files, such as SMD, PSI or CDF files.	exist in the folder where yo rs of these existing library f en click "OK" application will ONLY upde r files. It will NOT overwrite	u chose to create new iles compared to the tte the AGCC library the existing GCOS
Probe Array Type	Existing Version	New Version
HG-U133A	🔘 Кеер 0.1	<ul> <li>Convert to 0.7.0</li> </ul>
HG-U133A_2	🔘 Кеер 0.1	Convert to 0.7.0
HG-U133_Plus_2	Keep 0.8.0	Convert to 0.7.0
Keep All Update All Beset All		<u></u> K

For information on choosing library versions, see *Updating Library Versions on page 43*. Otherwise, the Status window appears (Figure 2.50)

Figure 2.50 Status				
	Command Conso	le Library Fil	e Importer	
	Creating Library File	·S		
	Probe Array Type	Status	Message	
	7GComplex5umGeno	Failed	Missing part number	
	ax26087_a_ref_dir	Completed	Successfully imported	
	FTmerged_chip1	Importing		
	⊻iew Log		Import Others Stop Cancel	

The Status window displays the progress of the library file import.

Library files without part numbers are noted in the window.

• Click Enter Part Numbers to open the Enter Part Number dialog box (see *Providing Missing Part Numbers on page 44*).

When the import is complete, you can:

- Click Import Others to import additional library files.
- Click View Log to see information about the imports.
- Click **Finish** to close the window.

### **Importing from CD Files**

This option allows you to install library files from the installation CD or other source, such as the Affymetrix.com website.

#### To convert GCOS library files downloaded from NetAffx:

- 1. Visit <u>http://www.affymetrix.com/support/technical/libraryfilesmain.affx.</u>
- 2. Download the GCOS library files you wish to import into a folder on your computer.



**NOTE:** You do not need to unzip the library files after downloading, since the Library File Importer can import directly from the zip file.

Figure 2.51 Select Source window (library file	e installer CD)
Scommand Console Library File Importer	
Select Source of Library Files	
Select OD drive or folder location of course files to import	
C:\Test Data\lib_Files	Browse
Select Save Location	
Location to save the Affymetrix GeneChip Command Console library files:	Browne
Le. Command_Console Lebray	

#### To proceed with the import:

- Select the file source (Figure 2.51): Enter the path in the Select Source box; or
  - A. Click Browse.
    - The Browse for Folder window appears (Figure 2.52)
  - **B.** Select a folder for the file source.

Figure 2.52 Browse for Folder	
Browse For Folder	<u>?×</u>
Select Folder	
🗄 🗀 Help_Links	<b>_</b>
🖽 🛄 Notes	
E C References	
Command_Console	
🕀 🧰 Data	
🗉 🗀 Fluidics	
Dobs	
🗀 Library	
🛅 Logs	<b>_</b>
•	
Folder: Library	
Make New Folder OK	Cancel

- **C.** Click **OK** in the Browse for Folder dialog box.
- **2.** Select Save Location:

Enter the path in the Select Save Location box; or

A. Click Browse.

The Browse for Folder window appears (Figure 2.53).

Figure 2.53 Browse for folder	
Browse For Folder	3
Guarantine     Guarantine	
C lb_Files ✓	
Folder: IIb_Files Make New Folder OK Cancel	***

- **B.** Browse to the folder where you wish to place the library files.
- **c.** Click **OK** in the Browser folder.

**NOTE:** The default location for the AGCC library files is install drive letter:\command\_console\library. AGCC will only use library files in the default location.

 Click Next in the Library File Importer window. The Select Probe Array Types window appears (Figure 2.54)

Figure 2.54 Select	Probe Array Type window
🕲 Command Console Library	File Importer
Found all probe array types.	
Select Probe Array Types	
Probe Array Type	Location
(Duplicates)	
☐ HG-U133_Plus_2 ✔ HG-U133_Plus_2	C:\Test Data\lib_Flles\hgu133plus2_libraryfile(2).zip C:\Test Data\lib_Flles\hgu133plus2_libraryfile.zip
From ZIP files	
<ul> <li>✓ E_coli_2</li> <li>✓ HG-U133A,</li> <li>✓ HG-U133A</li> <li>✓ HG-U133B</li> <li>✓ HT_HG-U133B</li> <li>✓ Mapping50K, Hmd240</li> <li>✓ Mapping50K, Xba240</li> <li>✓ Test3</li> </ul>	C:\Test Data\tib_Files\tectl2_librarylie.zip C:\Test Data\tib_Files\typu133_librarylie.zip C:\Test Data\tib_Files\typu133_librarylie.zip C:\Test Data\tib_Files\typu133_librarylie.zip C:\Test Data\tib_Files\typu133_librarylie.zip C:\Test Data\tib_Files\typu133_librarylie.ev3.zip C:\Test Data\tib_Files\typu132_librarylie.ev3.zip C:\Test Data\tib_Files\typu132_librarylie.zip
<	
Select <u>All</u> Unselect All	
	Cancel Back Start

The Select Probe Array Types window displays a list of the library files available in the selected folder or CD with their location. Duplicate probe arrays types are grouped at the top of the list.

4. Select files for import by clicking in the checkbox.

You can also make and clear selections using the Select All and Unselect All buttons.

5. Click Start.

If you have selected the same library file from two sources, a warning box appears. (Figure 2.55)

Figure 2.55 Warning box
Please choose one library file package
Warning: you have chosen to import library files for multiple packages of the probe array type named 'HG-U133_Plus_2'. Please choose only one package.
ОК

• Click **OK** to return to the Select Array window and deselect the duplicate array package. For more information see *Choosing Between Library Files on page 42*.

If you have selected library files that are already installed, the Choose Library Version window appears (Figure 2.56)

Choose Library Version			
Note: Command Console library files library files. Please review the versi version numbers of the new library fil By choosing updating to the new ver files, such as master, workflow, and library files, such as SMD, PSI or CD	s already exist in the folder wh on numbers of these existing I es, and then click "OK". sion, the application will ONL parameter files. It will NOT ov F files.	ere you chose to create n ibrary files compared to th Y update the AGCC librar, erwrite the existing GCOS	iew ie y
Probe Array Type	Existing Version	New Version	7^
E_coli_2	Keep 0.8.0	Convert to 0.8.0	
HG-U133A	🔘 Кеер 0.7.0	Convert to 0.8.0	-
HG-U133A_2	🔘 Keep 0.7.0	Convert to 0.8.0	-
HG-U1338	🔘 Keep 0.1	<ul> <li>Convert to 0.8.0</li> </ul>	_
HG-U133_Plus_2	Keep 0.8.0	Convert to 0.8.0	_
HT_HG-U133A	🔘 Кеер 0.1	Convert to 0.8.0	_
Mapping50K_Hind240	🔘 Кеер 0.1	Convert to 0.8.0	_
ManningEOK Mag240	O K 0.1	Converte 0.0.0	_

For information on choosing library versions, see *Updating Library Versions on page 43*. Otherwise, the Status window appears (Figure 2.57)

Fig	gure 2.57	Status	window
🖳 C	Command Consol	e Library Fil	e Importer 📃 🗖 🔀
Pro	ocessed all probe	e array types.	
P	robe Array Type	Status	Message
H	G-U133A	Completed	Successfully imported
H	G-U133B	Completed	Successfully imported
H	G-U133A_2	Completed	Successfully imported
H	T_HG-U133A	Failed	HT arrays are not supported in this version of the Library File Importer.
M.	apping50K_Hind240	Completed	Successfully imported
M.	apping50K_Xba240	Completed	Successfully imported
	√iew Log		Import Others Einish Cancel

Library files that do not have part numbers the status are noted in the window.

• Click Enter Part Numbers to open the Enter Part Number dialog box (see *Providing Missing Part Numbers on page 44*).

When the import is complete, you can:

- Click Import Others to import additional library files.
- Click **View Log** to see information about the imports.
- Click **Finish** to close the window.

#### **Resolving Problems**

Three different types of problems may occur when importing library files:

- Choosing Between Library Files, below
- Updating Library Versions on page 43
- Providing Missing Part Numbers on page 44

#### **Choosing Between Library Files**

When performing an import from a library file package CD or folder, you may inadvertently select the same library from two different places. This may happen when you have a zipped and unzipped version of the same library files in the folder.

If you have selected the same library file from two sources, a warning box appears (Figure 2.58)

Figure 2.58 Warning box	
Please choose one library file package	
Warning: you have chosen to import library files for multiple packages of the probe array type named 'HG-U133_Plus_2'. Please choose only of	ne package.
ОК	

**1.** Click **OK** to return to the Select Array window and deselect the duplicate array package. The Select Probe Array Types window appears (Figure 2.59)

Command Console Library Fil	le Importer
Found all probe array types.	
Select Probe Array Types	
Probe Array Type	Location
(Duplicates)	
<ul> <li>✓ HG-U133_Plus_2</li> <li>✓ HG-U133_Plus_2</li> </ul>	C:\Test Data\lib_Files\hgu133plus2_libraryfile(2).zip C:\Test Data\lib_Files\hgu133plus2_libraryfile.zip
From ZIP files	
	C:\Test Data\ib_Files\ecoli2_libraryfile.zip C:\Test Data\ib_Files\hgu133_libraryfile.zip C:\Test Data\ib_Files\hgu133a_libraryfile.zip C:\Test Data\ib_Files\hgu133a_libraryfile.zip C:\Test Data\ib_Files\S0k_hind240_libraryfile.zev C:\Test Data\ib_Files\S0k_hind240_libraryfile.zev C:\Test Data\ib_Files\vest3_libraryfile.zip
Select All Linselect All	

The Select Probe Array Types window displays a list of the library files available in the selected folder or CD with their location. Duplicate probe array files are grouped at the top of the list.

- 2. Deselect the duplicate files.
- 3. Click Start to continue with the import.

#### **Updating Library Versions**

In some cases, you may be trying to import a library that you already have installed on your computer. In this case, the Choose Library Version Window allows you to choose whether to install the new library or keep the old library.

If you have selected library files that are already installed, the Choose Library Version window appears (Figure 2.60)

Figure 2.60 Choose Library Version window				
🕹 Choose Library Version				
Note: Command Console library files already exist in the folder where you chose to create new library files. Please review the version numbers of these existing library files compared to the version numbers of the new library files, and then click "OK". By choosing updating to the new version, the application will ONLY update the AGCC library files, such as master, workflow, and parameter files. It will NOT overwrite the existing GCOS library files, such as SMD, PSI or CDF files.				
Probe Array Type	Existing Version	New Version		
7GComplex5umGeno	🔿 One or more missing 🛄	Convert to 0.7.0		
	Reviev	v Version button		
Keep All Update All Reset All		<u> </u>		

This window displays the different versions of the installed files and the versions of the files selected for installation.

In some cases you can click on the Review Versions button next to the version information to open the Review Library File Versions dialog box (Figure 2.61).

Figure 2.61 Review Library File Versions dialog box			
🕲 Review Library File Vers	ions	X	
Note: one or more of the existing lib named '7GComplex5umGeno' have others. Please review these version whether or not to overwrite these lib	rary files for the probe arra different version numbers n numbers before deciding orary files.	ay type from the	
Library File Type	Version	^	
Master File	0.7.0		
Weda nie	0.7.0		
Scan Parameter File	(missing)		
Grid Parameter File	(missing)		
Cel Parameter File	(missing)	~	

The dialog box displays additional information about the conflict between the file versions.

#### To select the files for upgrading:

- **1.** Select the file versions in the Choose Library Version window.
  - You can:
  - Select files for update individually by clicking the radio buttons next to the file name

- Click Keep All to keep the installed file versions
- Click Update All to install the new versions for all files
- Click **Reset All** to automatically select the most recent version of each file.
- 2. Click OK to proceed.
- 3. The Status window appears, returning you to the import process.

#### **Providing Missing Part Numbers**

All newer chips with barcodes have array part numbers that identify their probe array types. A part number can be used by AGCC to automatically select:

- library files used in processing the array
- compatible fluidics protocols for processing the array
- scanner parameters for scanning the array.

Most libraries are assigned the same part number as the probe array for which they are used. Certain arrays can have two library sets. For example, some arrays may have probes for both SNP information and expression information. In these cases the user needs to select the appropriate library for the type of analysis being performed.

Earlier versions of GCOS software were not capable of dealing with two different part numbers assigned to the same array. In order to maintain compatibility with this earlier software, some of the library files for these probe arrays used with GCOS were not assigned part numbers. In order to import such library files into AGCC you will need to get a part number or use a default part number (99999999) for the library.

To obtain a part number from Affymetrix, please send an email message to Chip\_Design@affymetrix.com with the subject line, "AGCC Part Number Request".

Figure 2.62 Statu	is window	with missing part nur	nbers
🔜 Command Console Lib	rary File Impo	rter	<u> </u>
Processed all probe array	types.		
Probe Array Type	Status	Message	
Barley1_no_PN	Failed	Missing part number	
⊻iew Log File	Import others	Enter Part Numbers	ncel

#### To provide part numbers:

1. Click Enter Part Number in the Status window (Figure 2.62). The Enter Part Number window appears (Figure 2.63)

Figure 2.63 E	nter Part Number wir	ndow
Note: Part Numbers for inspecting the library if them and click 'UK'' use the default UNKN Part Numbers you hav Affymetrix, send an en "AGCC Part Number for	r5 or the following probe array types iles. If you know one or more of t Otherwise, click "Cancel". Olick IOWN Part Number, 99999999, fr ve not yet assigned. (If you wish I nail message to Chip_Design@aft Request".)	could not be determined from he Part Numbers, please enter on "Use Defaults For All" to or all probe array types whose o get any part numbers from ymetrix.com with the subject,
Probe Array Type Barley1_no_PN		Part Number (6 digits)
	Use Defaults for All	<u>D</u> K <u>C</u> ancel

The window displays the probe array types missing part numbers.

- 2. Enter the part numbers:
  - A. Enter numbers if you have them available.

The default part number (99999999) can be used if you do not have the actual part number.

- B. Click Use Defaults for All if you wish to use the default number for all the libraries.
- 3. Click OK.

The Status window appears, returning you to the import process.

## **Installing GeneTitan Library Files**

A separate tool is used to install GeneTitan Library files.

#### To install the GeneTitan library files:

- 1. In the AGCC Launcher, double-click the HT Library File Installer icon
- 2. The GeneTitan Library File Installer appears. (Figure 2.64)

Figure 2.64 HT Library File Installer	
Gene Titan Library File Installer	
Causes Date:	Denue
Target Path: C:\Command Concole\Library	Browse
File Name Path	Diowac
	Install

- **3.** Select the source path for the library file package(s).
- **4.** Use the default target path or select a new destination (not recommended). The available library file packages are displayed in the list (Figure 2.65).

Figure 2	<b>2.65</b> List of a	available GeneTitan libra	ary files
🛃 GeneTitan	Library File Installer		
GeneTitan Libra	ry File Installer will extract t	he selected library files into the AGCC library path	
Source Path:	C:\HT_LibFiles		Browse
Target Path:	C:\Command_Console\Li	brary	Browse
File Nar	ne	Path	
Interpretation of the second seco	-U133A -U133B	C.HT_LbFiles.HT_HG-U1334.2IP C.HT_LbFiles.HT_HG-U1338.2IP	
[			

- **5.** Select the checkboxes next to the files you wish to install, or Click the **File Name** checkbox to install all library files.
- 6. Click Install.

The selected library files are installed (Figure 2.66).

Figure 2.66 Installation in progress			
📕 GeneTitan L	ibrary File Installer.		
GeneTitan Libra	ry File Installer will extract t	he selected library files into the AGCC library path	
Source Path:	C:\HT_LibFiles		Browse
Target Path:	C:\Command_Console\L	ibrary	Browse
🔽 File Nan	ne	Path	
V HT_HG	-U133A -U133B	C:\HT_LbFlies\HT_HG-U133A.ZIP C:\HT_LbFlies\HT_HG-U1338.ZIP	

When the install is complete, a notice box appears (Figure 2.67).

ł	Figure 2.67 Notice
	Installed successfully!

Click **OK** and close the GeneTitan Library File Installer.

## **Installing Fluidics Protocols**

G	>	1

**NOTE:** This step is not necessary if you are not installing or using the AGCC Instrument Control software.

6

**NOTE:** For the GeneTitan Instrument, fluidics protocols are installed during the installation of the software.

#### To install protocols:

- Click Start → All Programs → Affymetrix → Command Console → Fluidics Script Installer; or Double-click on the Fluidics Script Installer Icon in the Command Console Launcher; or
  - A. Open the AGCC Fluidics Control software.
  - B. From the Files menu in the Fluidics Control software, select Install Protocols...

The Fluidics Scripts Installer appears (Figure 2.68)

Figure 2.68 Flui	Figure 2.68 Fluidics Scripts Installer		
Affymetrix Fluidics Script	Affymetrix Fluidics Script Installer		
T	Affymetrix GeneChip Fluidics Scripts Installer		
This application is used to install fluidics scripts for the Aflymetrix GeneChip Fluidics Station to be used with Aflymetrix GeneChip Command Console® Software or Aflymetrix GeneChip Operating Software®			
	Version 1.0 Alfymetrik, Inc. Copyright 2007		
	< Back Next> Cancel		

2. Click Next.

The Select Software window appears (Figure 2.69).



If you have both GCOS and AGCC installed, both radio buttons will be available.

3. Select the software you wish to install scripts for and click Next.

The Select Source window appears (Figure 2.70).

Figure 2.70 Se	lect Source window	
Affymetrix Fluidics Scrip	ot Installer - Select Directory	
Please select either inst	tall from directory on file system or install from Alfymetrix.com.	
Install from directory on fi     C:\Documents and Setti	ile system ings/vallso/Desktop	Browse
C Install from Alfymetrix.cor	n	
E-mail:		
Password:		
	< <u>B</u> ack <u>N</u> ext>	Cancel

The window enables you to:

- Install the protocols from a directory on the file system.
- Install the protocols from the Affymetrix.com web site.

**NOTE:** Select this option only if you have a registered account with Affymetrix.com.

To install from a directory:

- A. Select the option.
- B. Enter the path to the directory; or

Click Browse and use the Select Directory dialog box to locate the directory with the scripts.

- To install from Affymetrix.com:
- A. Select the option.

- **B.** Enter user name and password.
- 4. Click Next.

The Select Package window appears (Figure 2.71).

Please select the package to be installe	d and press the Next button.	
List of valid packages F9450.co	Fluidic Station This FS450 the stat with Con Gen	: package can be used to all fluidic scripts to be used with Afymetrix FS 450 fluidics on . The package can be used Afymetrix GeneChip Command acts Software or Afymetrix eChip Operating Software

The window displays a list of the fluidics scripts packages available from the selected source.

**5.** Select the package you wish to install and click **Next**. The Select Protocols window appears (Figure 2.72).

rrymetrix r turdics Script Insi	taller - Select I	Protocols		Diala-
Please select the protocol(s) to	be installed on the	e system and press the Next b	button.	Li
	[		·	
Protocol Name	New Version	Version of installed Scri	Select All	
DNAarray_WS5_450	1	Not Installed		
EukGE-WS1v4_450	1	Not Installed	Clear	
EukGE-WS2v4_450	1	Not Installed		
EukGE-WS2v5_450	1	Not Installed		
FS450_0001	1	1		
FS450_0002	1	1		
FS450_0003	1	1		
FS450_0004	1	1		
FS450_0005	1	1		
FS450_0006	1	1		
Genflex_Sv3_450	1	Not Installed		
Genflexv3_450	1	Not Installed		
GenomeWideSNP5v1 450	1	Not Installed		
✓ Mapping100K∨1 450	1	Not Installed		
Mapping10Kv1 450	1	Not Installed		
<		>		

The window displays a list of the protocols in the selected package with the following information:

Protocol Name	With checkbox to select protocol for installation.		
New Version	Version of protocol in selected installation package		
Version of installed Script	Version of protocol installed on your computer.		

**6.** Select the checkboxes for the protocols you wish to install and click **Next**. The Summary window appears (Figure 2.73).

Figure 2.73 Summary window	
Affymetrix Fluidics Script Instatter - Summary	
The following is a summary of the package to be installed on the system.	
Selected Fluidcs Script           DNAarray, W55,450           EuGE EWS1V4,450           EuGE EWS1V4,450           EuGE EWS2V4,450           EuGE Script,450           Gentlexv3,450           Gentlexv3,450           Gentlexv3,450           Mapping100Kv1,450           Mapping101Kv1,450           Mid_DNAaray,W55,450           Mid_DNAaray,W55,450           Mid_DNAaray,W55,450           Mid_DNAaray,W55,450           Mid_DNAaray,W55,450           Mid_DNAaray,W55,450           Mid_DNAaray,W55,450           Mid_DNAaray,W57,450           Mid_DNAaray,W57,450           Mid_DNAaray,W57,450           Mid_DNAaray,W57,450           Mid_DNAaray,W57,450           Mid_DNAaray,W57,450           Mid_DNAaray,W57,450	
Mini_prok2v1_450 P55v2_450 Prok6K=W52v3_450 TrueTag_Chip_Wash_R7_450	~
< Back	Cancel

The Summary window displays information about:

- Selected fluidics scripts
- Source Path
- AGCC Target Directory
- AGCC Log Path: location of the log file for this installation
- 7. Review the information and click Next.
  - A progress bar displays the progress of the install (Figure 2.74).

Figure 2.74 Progress window	
Affemateix Eluidice Societ Installar Install	
Arrymetrix Fundes script distance - distan	
The Setup Wizard is installing Alfymetrix Fluidics Scripts.	
Lastelling EC 450, 0005 & data das	
Installing F3450_0005 holdids lifes.	

When the install is completed, the Finish window appears (Figure 2.75).

Figure 2.75 Finish window	
Affymetrix Fluidics Script Installer - Finish	
Alfymetrix GeneChip Fluidics Scripts setup has completed.	
The Setup Wizard has now successfully installed FS450 Fluidics Scripts on Affymetrix GeneChip Command Console Software. Click the Close button to exit the installation.	
Close	

- 8. Click Close to close the Installer.
- **9.** If you opened the Installer through the AGCC Fluidics Control Software, you will need to close the software and reopen it for the installed scripts to appear in the drop-down lists.

## **Upgrading to AGCC 4.0 on Windows XP or Windows 7**

# **IMPORTANT:** AGCC 4.0 supports upgrades from AGCC 3.2.4 (or higher) on Windows XP and AGCC 3.3 (or higher) on Windows 7.

This chapter includes instructions for upgrading:

AGCC 3.2.4 (or higher) to AGCC 4.0 on a computer running Windows XP Professional (32-bit) SP3 AGCC 3.3 (or higher) to AGCC 4.0 on a computer running Windows 7 Professional (64-bit) SP1. The upgrade process is described in the following sections:

- Upgrading the AGCC Components on Windows XP or Windows 7 on page 52
- Upgrading Affymetrix Data Exchange Console and Other Components on page 57

## **Upgrade Outline**

#### To upgrade AGCC and DEC:

**1.** Upgrade the AGCC components.

See Upgrading the AGCC Components on Windows XP or Windows 7 on page 52 for more information.

2. Install the Affymetrix Data Exchange Console components (DEC).

The Data Exchange Console install package installs:

- Data Exchange Console (DEC)
- Affymetrix Command Console Library File Importer Tool
- Affymetrix Command Console Reconnector
- GeneTitan Library File Installer

See Upgrading Affymetrix Data Exchange Console and Other Components on page 57 for more information.

## Upgrading the AGCC Components on Windows XP or Windows 7

The AGCC installer can install the following components on a computer running Windows XP Professional (32-bit) SP3 or Windows 7 Professional (64-bit) SP1:

- Microsoft SQL Server Express 2005
- AGCC Portal
- AGCC Viewer
- Either:
  - AGCC Fluidics Control
  - □ AGCC Scan Control
- Or:

AGCC GeneTitan Control

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**NOTE:** You must be logged in as a user with local administrative rights to install AGCC.

**NOTE:** The screen captures depicted in this guide may not exactly match the windows displayed on your screen.

C	

**NOTE:** Certain screens may not appear, depending upon the other software installed on the computer you are installing AGCC on.

At least 500 MB of available disk space is recommended for the installation.

#### To upgrade AGCC software:

- 1. Unzip the AGCC install package by right-clicking on the install package and selecting Extract All.
- 2. Browse to the AGCCSetup folder in the unzipped install package.
- **3.** Double-click on the AGCC\_Setup\_4.0.exe file. The self-extraction runs (Figure 3.1).

Figure 3.1 Self-extraction running	ng
WinZip Self-Extractor - AGCC_Setup_3.2. To unzip all files in AGCC_Setup_3.2.exe to the	exe 🔀
specified folder press the Unzip button. Unzip to folder: Browse Browse	Run WinZip Close
Overwrite files without prompting     When done unzipping open:     .\AGCC\Setup.exe	About Help
Unzipping dotnetfx35.exe	

If a warning message about "Unknown Publisher" appears, click the **Run** button in the warning message to proceed with the install.

The AGCC InstallShield Wizard Splash screen appears (Figure 3.2).

Figure 3.2 Splash	Screen
Affymetri Command	ix° GeneChip° I Console°
Affymetrix	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. OAflymitris, Inc. All right reserved. Afjunctint*, Axiom*, Command Comol*, CytoSant*, DMET*, CennelLin*, CennelLin*, General Die Combine-compatible*, CenneTites*, Cennelpring Consel*, mplerige*, NexH*, Onesscar, Swerter by Affunctin*, Prine/Yee*, Procents*, and Qualifice* are trademarks creditered trademarks of Affunctin, Inc. All other trademarks are the property of their reportion ones. OMIM* Gubins Hopkins University. All rights reserved.

An Upgrade Notice appears to inform you that a previous AGCC version is installed on your computer (Figure 3.3).

Figur	e 3.3 Upgrade Notice*
Questio	n 🛛 🕅
?	AGCC v2.0 product is installed on this machine. This installer will upgrade AGCC v2.0 to v3.0 automatically. Do you want to continue the upgrade? Yes No

*A different message may appear	depending	on	the	ver-
sion of your software.				

**4.** Click **Yes** to upgrade the software The AGCC Welcome window appears. (Figure 3.4)



5. Click Next.

The License Agreement window appears. (Figure 3.5)



**6.** After reading the License Agreement, select the button to accept the terms and click **Next**. The Instrument Selection window appears. (Figure 3.6)



**7.** Select the instrument control software you wish to upgrade and click **Next**. The Review Install window appears. (Figure 3.7)

Affymetrix GeneChip Command Console - InstallShield Wizard         Choose Destination Location         Select folder where setup will install files.         Select folder where setup will install files.         Setup will install Affymetrix GeneChip Command Console in the following folder.         To install to this folder, click Next. To install to a different folder, click Browse and select another folder.         GeneChip*         Cartridge System         Destination Folder         C.VPogram Files (#85)/Alfymetrix/Command Console)         Browse	Figure 3.7 Review	w Current Settings window
Choose Destination Location         Select folder where setup will install files.         GeneChip*         GeneChip*         GeneTition*         Destination Folder         CVProgram Files (seBS)/Altymetrix/Command Console/         Browse	Affymetrix GeneChip Command C	Console - InstallShield Wizard
Setup will install Affymetrix GeneChip Command Console in the following folder.         Constall to this folder, click Next. To install to a different folder, click Browse and select another folder.         Cartridge System         Constall to this folder.         Constall to this folder.	Choose Destination Location Select folder where setup will in:	) stal files.
GeneTitan" Instrument	GeneChip*	Setup will install Alfymetrix GeneChip Command Console in the following folder. To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
	GeneTitan" Instrument	-Destination Folder- C.\Program Files (x96)/Alfymetix\Command Console\ Bjowsa

**8.** Review the installation options and click **Next**. The Setup Status window appears. (Figure 3.8)



When the install is finished, the DEC 2.0 upgrade notice appears. (Figure 3.9)

Figure	e 3.9 DEC 2.0 notice
Affymet	rix GeneChip Command Console - InstallShield Wizard 🔀
<b>i</b>	DEC 2.0.3 is available to use the new features in AGCC 3.2
	ОК

9. Click OK.

The InstallShield Complete window appears. (Figure 3.10)



**10.** Click **Finish** to complete the install and restart the computer.

After the computer restarts, you need to upgrade Affymetrix Data Exchange Console, which also upgrades the Library File Importer and Installs the Affymetrix Reconnector.

See Upgrading Affymetrix Data Exchange Console and Other Components on page 57 for more information.

NOTE: After upgrading to AGCC 4.0, network data roots need to be re-configured with appropriate permissions. Refer to the "How to configure network data storage" tutorial at www.affymetrix.com for more information.

## Upgrading Affymetrix Data Exchange Console and Other Components

The Affymetrix DEC installer upgrades:

- Affymetrix Data Exchange Console
- Command Console Library File Importer
- Affymetrix Command Console Reconnector
- GeneTitan Library File Installer

For more information, see the following documentation:

- Importing Libraries for Cartridge Arrays on page 31
- Installing GeneTitan Library Files on page 45
- Affymetrix<sup>®</sup> Data Exchange Console User's Guide
- Affymetrix<sup>®</sup> Command Console<sup>®</sup> Reconnector User's Guide

**NOTE:** You must be logged in as a user with local administrative rights to install the DEC software.

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**NOTE:** The screen captures depicted in this manual may not exactly match the windows displayed on your screen.

DEC is a separate application and does not require AGCC installation. You will need to install the library files for the probe array types you are working with to use DEC to import data, even if AGCC is not installed.



**IMPORTANT:** To use DEC to connect to a GCOS Server, you must install DEC for GCOS Server on the GCOS Server first. For more information, see *Installing DEC for GCOS Server* on the GCOS Server on page 23.

#### **Updating DEC and Other Components**

#### To update DEC, Library Importer, and Reconnector:

- **1.** Browse to the AGCCSetup folder in the unzipped install package.
- **2.** Double-click on the DEC\_Setup\_2.0.exe file. The self-extraction runs (Figure 3.11).

Figure 3.11 Self-extraction runn	ing
WinZip Self-Extractor - DEC_Setup_2.0.4	l.exe 🛛
To unzip all files in DEC_Setup_2.0.4.exe to the specified folder press the Unzip button.	Unzip
Unzip to folder:	Run WinZip
Overwrite files without prompting	About
When done unzipping open:	Help
Unzipping mfc <mark>30u.dll</mark>	

An Upgrade Notice appears to inform you that DEC 1.0 or 1.1 is already installed on your computer (Figure 3.12).

Figure 3.12 Upgrade Notice			
Questio	n 🔣		
?	DEC v1.1 product is installed on this machine. This installer will upgrade DEC v1.1 to v2.0 automatically. Do you want to continue the upgrade?		
	Yes No		

3. Click Yes to proceed.

The DEC Installation Splash Screen appears (Figure 3.13).

Figure 3.13 DEC Splash screen		
Data Excl Version 2.0	hange Console	
AFFYMETRIX	© 2008 Alfymetriz Inc. All rights reserved. Alfymetrix <sup>®</sup> , Gene Chip <sup>®</sup> , NeLMIr <sup>®</sup> , Command Console <sup>®</sup> , Powared by Alfymetrix <sup>™</sup> , GeneChip-compatibile <sup>™</sup> and Geostyping Consolet <sup>™</sup> are trademarks or registered trademarks of Alfymetrix Inc. All other trademarks are the property of their respective owners.	

The DEC InstallShield Wizard Welcome window appears. (Figure 3.14)



4. Click Next.

The License Agreement window appears. (Figure 3.15)



**5.** Read the license agreement, select the button to accept the terms, and click **Next**. The **Choose Destination Location** window appears. (Figure 3.16)

Figure 3.16 Choose Destination Location window					
Affymetrix Data Exchange C	Affymetrix Data Exchange Console - InstallShield Wizard				
Choose Destination Locatio Select folder where setup will in	Choose Destination Location Select folder where setup will install files.				
	Setup will install Alfonetrix Data Exchange Console in the following folder.				
	To install to this folder, click Next. To install to a different folder, click Browse and select another folder.				
	-Destination Folder				
	C.\Program Files\Alfymetrix\Data Exchange Console\ Bjowse				
InstallShield	< Back Next > Cancel				

**6.** Accept the destination for DEC and click **Next**. The **Ready to Install** window appears. (Figure 3.17)

Affymetrix Data Exchange Console - InstallShield Wizard Ready to Install the Program The wizard is ready to begin installation.			
	If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.		

7. Click Install.

The Setup Status window appears. (Figure 3.18)



When the install is finished, the InstallShield Complete window appears. (Figure 3.19)

Figure 3.19 Ins	tallshield Complete window			
Affymetrix Data Exchange Console - InstallShield Wizard				
and the second	InstallShield Wizard Complete			
	Setup has finished installing Affymetrix Data Exchange Console on your computer.			
InstallShield	< Back Finish	Cancel		

8. Click Finish to complete the installation.

## **Setup for GeneTitan IC Workstation**

When Affymetrix sets up a computer for use as a GeneTitan workstation, the computer is configured with a user called **AFFXUser**. The user account has certain privileges that are required for the operation of GeneTitan IC.

In addition, some of the other features of Windows XP or Windows 7 need to be set up in particular ways or disabled to avoid causing problems when running GeneTitan IC. These include things like the power control features, the auto update feature, and the Daylight Savings Time Adjustment.

This appendix describes the settings that must be made to restore a GeneTitan workstation to its standard configuration.

#### To set up power mode:

- **1.** Right click on a blank area of the desktop and select **Properties**. The Display Properties dialog box appears.
- 2. Select the Screen Saver tab.
  - A. Select None from the Screen saver drop down box.
  - B. Click Apply.
- **3.** Click the **Power...** button in the Screen Saver tab.

The Power Options Properties dialog box appears.

- 4. Select the Power Schemes tab.
  - A. Select Always On from the Power schemes drop down box
  - B. Click Apply.
  - C. Select Never from the Turn off monitor: drop down box.
  - D. Click Apply.
- 5. Select the Hibernate tab.
  - A. Remove the check from Enable hibernation.
  - B. Click Apply.
  - C. Click OK in the Power Options Properties dialog box.
- 6. Click OK in the Screen Saver tab of the Display Properties dialog box.
- 7. Close all open windows.

#### Taskbar and Start Menu set up

- **1.** Enable classic start menu:
  - **A.** Right click on a blank area on the taskbar and select **Properties.** The Taskbar and Start Menu Properties dialog box appears.
  - B. Select the Start Menu tab.
  - C. Select the Classic Start menu radio button.
  - D. Click Apply in the Taskbar and Start Menu Properties dialog box.
  - E. Click OK in the Taskbar and Start Menu Properties dialog box.
- 2. Enable Administrative Tools and start menu settings:
  - A. Right click on a blank area on the taskbar and select Properties.
  - B. Select the Start Menu tab.
  - **C.** Click the **Customize...** button.

The Customize Classic Start Menu dialog box appears.

- D. In the Advanced Start menu options: list box, check the following:
  - Display Administrative Tools
  - Display Run
  - Enable dragging and dropping
- E. Ensure all other items are unchecked. Be sure to scroll down in the list box.
- F. Click OK in the Customize Classic Start Menu dialog box.
- G. Click OK in the Taskbar and Start Menu Properties dialog box.
- **3.** Disable Auto Update:
  - A. Go to Start → Programs → Administrative Tools → Services. The Services window appears.
  - **B.** In the **Services** list, right click **Automatic Updates** and select **Properties** from the context-sensitive menu.

The Automatic Updates Properties dialog box appears.

- C. Select Disabled from the Startup Type dropdown list.
- **D.** Click **Apply**.
- E. Click Stop under Service status.
- F. Click OK in the Automatic Updates Properties dialog box.
- G. Close the Services window.

**Change Security settings** 

- Go to Start → Settings → Control Panel. The Control Panel appears.
- Double-click the Security Center icon.
   The Windows Security Center window appears.
- 3. In the Windows Security Center window, select Change the way Security Center alerts me.
- 4. Remove checks from all boxes listed and select OK.
- 5. Close the Windows Security Center window.

#### **Configure User**

- In the Control Panel window, double-click User Accounts icon. The User Accounts window appears.
- 2. Click User Accounts on the next window.
- 3. Click Change the way users log on or off.
- 4. Uncheck Use the Welcome screen. The other box will automatically become unchecked. Click Apply options.
- 5. Click AFFXUser.
- **6.** Verify that the password for this user has been created. If not, create one by clicking "create a password" and enter a password twice then click the "create password" button. Click "Yes, make private" if prompted.
- 7. Close all open windows.

**NOTE:** This account type stays as Administrator.

- 8. Go to Start  $\rightarrow$  Programs  $\rightarrow$  Administrative Tools  $\rightarrow$  Local Security Policy.
- 9. In the left pane, double click Local Policies and select User Rights Assignment.
- 10. Double click on Log on as a batch job.

- 11. In the pop up window click Add User or Group.
- 12. Verify that the workstation name is selected under From this location.
- 13. In the Enter the object names to select box type Administrator; AFFXUser.

**NOTE:** Do not type in Administrators, as this will give rights to the entire group.

- 14. Click OK. Verify that the two users have been added to the list. Click OK again.
- **15.** Double click on Log on as a service.
- **16.** In the pop up window click **Add User or Group**.
- 17. Verify that the workstation name is selected under From this location.
- 18. In the Enter the object names to select box type Administrator; AFFXUser.
- 19. Click OK. Verify that the two users have been added to the list. Click OK again.
- **20.** Close all open windows.

#### **Configuring the Network**

- Navigate to Start → Settings → Control Panel The Control Panel window appears.
- **2.** Double-click the **Network Connections** Icon. The **Network Connections** window appears.
- **3.** Right click the **Local Area Connection** icon and select **Properties**. The **Local Area Connection Properties** dialog box appears.
- 4. Check Show icon in notification area when connected.
- 5. Click OK.

The Local Area Connection Properties dialog box closes.

- 6. In the Network Connections dialog box, right-click Local Area Connection and select Properties.
- 7. Click Configure.

The **Properties** dialog box for the selected connection appears.

- 8. Select the Power Management tab.
- 9. Ensure both boxes in the tab are unchecked then click OK.

#### **Configuring the Date and Time Properties**

- Navigate to Start → Settings → Control Panel. The Control Panel window appears.
- Double-click the Date and Time Icon.
   The Date and Time Properties dialog box appears.
- 3. Select the Time Zone Tab.
- 4. Ensure Automatically adjust clock for daylight saving changes is unchecked.
- 5. Click **OK** in the Date and Time Properties dialog box.

#### **Set Folder Options**

- 1. Select the **My Computer** icon on the desktop. The **My Computer** window appears.
- Open the Tools menu and then select Folder Options.... The Folder Options dialog box appears.
- 3. Click on the View tab.

- **4.** In the **Advanced settings:** list box, make certain that **Hide extensions for known file types** is unchecked.
- 5. Click OK in the Folder Options dialog box.

#### **Empty Recycle Bin**

- **1.** Close any pop-up windows.
- 2. Delete any "arrowed" shortcuts (except for the Affymetrix Launcher).
- 3. Right-click on the Recycle Bin icon on the desktop and select Empty Recycle Bin.
- 4. Answer Yes when in the Confirm dialog box.

#### **Clearing the Event Viewer**

- 1. Login as AFFXUser with password.
- **2.** Close all windows.
- Go to Start → Settings → Control Panel. The Control Panel window appears.
- Double-click the Administrative Tools icon. The Administrative Tools window appears.
- Double-click the Event Viewer icon. The Event Viewer window appears.
- 6. Highlight System in the pane on the left side of the window.
- 7. From the Actions menu, select Clear All Events. Do not save the log before clearing it.
- 8. Highlight Security in the pane on the left side of the window.
- 9. From the Actions menu, select Clear All Events. Do not save the log before clearing it.
- 10. Highlight Application in the pane on the left side of the window.
- 11. From the Actions menu, select Clear All Events. Do not save the log before clearing it.
- 12. Close Event Viewer.
- **13.** Empty the **Recycle Bin**.