Genetix

ClonePix FL Installing the Software

Overview

This document describes how to install the ClonePix FL software, including drivers and other prerequisites. These instructions need only be followed when setting up a new PC from scratch. If you are upgrading a PC that is already running the ClonePix FL Software to a more recent version, see the software upgrade instructions instead.

PC Requirements

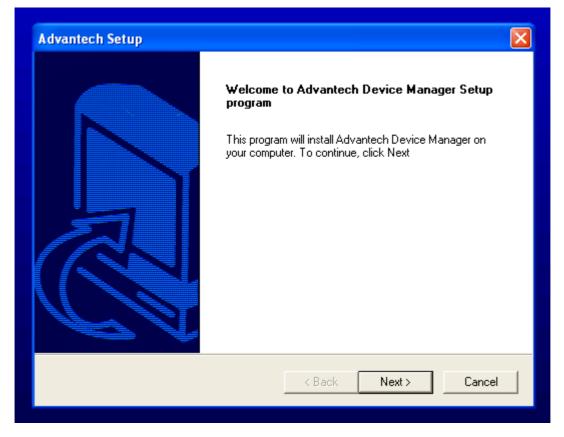
Versions 1.2.3.842 and later of the software require 2GB of memory in order to operate.

Install the drivers as described below before installing or plugging in the hardware to the PC.

The software requires Windows XP with Service Pack 3 applied. If you see an error message referring to an incorrect version of Windows Installer, apply Windows XP Service Pack 3 to resolve the issue.

Advantech PCI1730 Digital IO Board

1. Navigate to the folder "Drivers\Advantech PCI 1730" on the recovery DVD, and run the "DevMgr.exe" file.



2. Click 'Next', then click 'Yes' to agree to the license agreement.



Advantech Setup	X
Choose Destination Location Select folder where Setup will install files.	AD\ANTECH eAutomation
Setup will install Advantech Device Manager in the following folder. To install to this folder, click Next. To install to a different folder, click Brow another folder.	se and select
Destination Folder C:\Program Files\Advantech\Adsapi	Browse
InstallShield < Back Next >	Cancel

Advantech Setup	
Select Program Folder Please select a program folder.	AD\ANTECH eAutomation
Setup will add program icons to the Program Folder listed belo name, or select one from the existing folders list. Click Next to <u>Program Folders:</u> <u>Advantech Automation\Device Manager</u> <u>Existing Folders:</u> <u>Accessories</u> Administrative Tools Games Genetix Startup	
InstallShield < <u>B</u> ack	Next > Cancel

Advantech Setup	X
Select Manual	
Please select the manual.	
Advantech provides Driver Manaul in English and Chinese. Please select one to install.	
Select the manual	
Install English Manual	
C Install Chinese Manual	
InstallShield	
< <u>B</u> ack <u>N</u> ext > Cancel	

Advantech Setup	
Start Copying Files Review settings before copying files.	AD\ANTECH eAutomation
Setup has enough information to start copying the program files. If you wa change any settings, click Back. If you are satisfied with the settings, click copying files. Current Settings:	
[System Info] Extended Memory: 1048048 K Bootup Drive: C:(Free Disk Space:15755MB) CDROM: (D:) VIDEO: UVGA Colors: 65536 Date: 3-31-2009 Time: 16:00:46 System: Windows XP	
	>
InstallShield	
<u> </u>	Cancel

- 6. Click 'Next' to continue. The setup program automatically closes once the installation is complete.7. Run the "PCI1730.exe" program from the same location on the recovery DVD.

Advantech Setup	
	Welcome to Advantech Device Driver Setup program This program will install Advantech Device Driver on your computer. To continue, click Next
	< <u>B</u> ack Cancel

Advantech Setup	
Start Copying Files Review settings before copying files.	AD\ANTECH eAutomation
Setup has enough information to start copying the program files. If you wa change any settings, click Back. If you are satisfied with the settings, click copying files. Current Settings:	
[System Info] Extended Memory: 1048048 K Bootup Drive: C:(Free Disk Space:15744MB) CDROM: (D:) VIDEO: UVGA Colors: 65536 Date: 3-31-2009 Time: 16:03:19 System: Windows XP	
InstallShield	Cancel

- 9. Click 'Next' to continue.
 10. The driver setup program automatically closes once the installation is complete.

Anorad PCI2000 Motion Controller

- 1. Navigate to the "Drivers\Anorad" folder on the recovery DVD.
- 2. Run the "ano2000.exe" file.



3. Click 'Next' to continue.

Anorad ANO2000 Motion Control Software Installation	×
AN02000 README.TXT This setup program extracts the files and utilities needed by the Anorad PCI2000 motion controller. Most files are placed in the directory. C:\Program Files\Anorad\ and its sub-directories by default. Device driver files are placed in the appropriate sub-directories of the Windows NT system root directory. This file contains 1) The list of files extracted by the setup program and their destinations. 2) Command line instructions for the Anorad utilities. *** LIST OF FILES AND THEIR LOCATIONS ***	
< <u>B</u> ack <u>Next</u> > <u>C</u> ancel	

Anorad ANO2000 Moti	on Control Software Installation	×	
	Select Destination Directory		
	Please select the directory where Anorad ANO2000 Motion Control Software files are to be installed. "Free Disk Space After Install" is based on your current selection of files to install. A negative number indicates that there is not enough disk space to install the application to the specified drive.		
~~	C:\Program Files\Anorad	B <u>r</u> owse	
	Current Free Disk Space:	16111896 k	
	Free Disk Space After Install:	16104046 k	
	< <u>B</u> ack <u>Next</u> >	<u>C</u> ancel	

Anorad ANO2000 Motion Control Software Installation		
	Backup Replaced Files?	
	This installation program can create backup copies of all files replaced during the installation. Do you want to create backups of the replaced files?	
	⊙ Yes ⊂ N <u>o</u>	
	< Back Next > Cancel	

Anorad ANO2000 Mot	ion Control Software Installation	×
	Select Backup Directory	
	Please select the directory where the replaced files will t copied.	96
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	C:\Program Files\Anorad\BACKUP <u>Browse</u>	
	< Back Next > Cano	:el

Anorad ANO2000 Mot	ion Control Software Installation	
	Select Components	
	Choose which components to install by checking the boxes below.	
	<ul> <li>Utilities _Device Driver</li> <li>Development Files</li> <li>Documentation</li> </ul>	5304 k 345 k 2063 k
	Disk Space Required: Disk Space Remaining:	7712 k 16104046 k
	< <u>B</u> ack <u>Next &gt;</u>	<u>C</u> ancel

Anorad ANO2000 Moti	on Control Software Installation	×
	<b>Ready to Install!</b> You are now ready to install Anorad ANO2000 Motion Cont Software. Press the Next button to begin the installation or the Back button to reenter the installation information.	
	< Back	1

Anorad ANO2000 Motion Control Software Installation				
	<b>Installation Completed!</b> The installation of Anorad ANO2000 Motion Control Software has been successfully completed. Press the Finish button to exit this installation.			
	< Back <b><u>Finish</u></b> Cancel			

10. Click 'Finish' to complete the installation.

Install
This system must be restarted to complete the installation. Press the OK button to restart this computer. Press Cancel to return to Windows without restarting.
Cancel

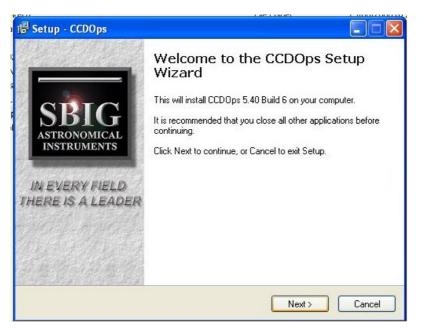
- 11. Click 'OK' to restart Windows for changes to take effect.
- 12. Navigate to the "Drivers\Anorad" folder on the recovery DVD again.
- 13. Copy the "cfg.prm" file in that folder to the folder on the PC at "C:\Program Files\Anorad\bin", replacing the file already in that folder.

# Digi Serial Card

Once the multi-way serial card is installed in the PC, Windows will automatically detect it. Follow any prompts that appear to allow Windows to automatically install the default drivers.

# SBIG ST-3200 Camera

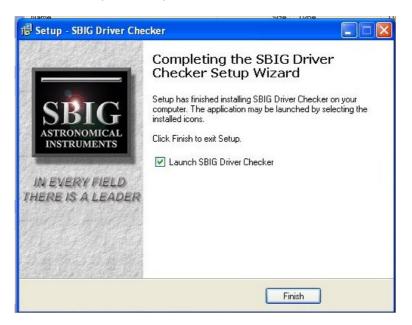
- 1. Open the folder "Drivers\SBIG ST-3200\InstOps5R37" on the recovery DVD.
- 2. Run the 'InstOps.exe' file.
- 3. Proceed through a variety of screens. At each screen, you will need to click **OK** or **Next** to proceed without changing any options. There are approximately 6 screens to pass through before installation is complete.



- 4. Once installation is complete, navigate to the folder "Drivers\SBIG ST-3200\SetupDriverChecker1r50B7" on the recovery DVD.
- 5. Run the file 'SetupDriverChecker.exe' to install the driver checker



- 6. Click Next on all screens without changing any of the options or directories etc
- 7. Once installation is complete, the final screen will ask if you want to launch the SBIG driver checker. Ensure that the box is checked (see below) and click **Finish**.



8. When the driver checker launches it will prompt for an internet connection, click **No** to proceed.



9. Click Continue Anyway when the warning about Windows driver signing appears



10. Once driver checker runs and complete, it should show all drivers as current. Screenshot below last column shows results. If it does not, seek assistance from Customer Support.

	SBIG Driver C Hit the About/He			Done
Currently In	stalled Drivers	-		About/Help
Driver Name	Version	Date	Current	
abienders d11	4 AE Duri 14 1		Yes	The second second
sbigudrv.all	4.45 Build 1	07-23-05		Download
sbiguldr.sys		11-04-04		Update
sbiglldr.sys		04-22-05		opuace
sbigfldr.sys	1.09	02-15-05	Yes	
sbigusbe.sys	1.1	09-05-03	Yes	Sel USB Dry
drivers	ause the "Curren are all current re you need to c server.	doesn't mean	they are.	
Status				
	server.			

11. Once this is complete, click Done to complete

12. Plug in the USB connection for the camera and Windows will automatically detect the new hardware and run the Found New Hardware Wizard:



- 13. Click **Next** to proceed with camera install
- 14. You will be asked again about camera driver signing. Click **Continue Anyway**.

The software you are installing for this hardware: SBIG ST-402 Loader
 SBIG ST-402 Loader
has not passed Windows Logo testing to verify its compatibility with Windows XP. ( <u>Tell me why this testing is important.</u> )
Continuing your installation of this software may impain or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

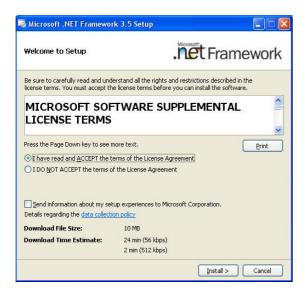
- 15. The software will continue to install and complete.
- 16. Windows will then automatically run the Found New Hardware wizard a second time (if it doesn't you can run **Add Hardware** manually from the Control Panel)
- 17. Click **Next** to proceed with camera install
- 18. You will then be presented with a choice of drivers to install. Choose the bottom option as shown below and click **Next**:

SBIG USB Car	nera		
Description	Version	Manufacturer	Location
SBIG USB Camera	2.0.1.0	SBIG	c:\windows\inf\sbigusbe.inf
SBIG USB Camera	2.0.1.0	SBIG	c:\windows\inf\oem8.inf

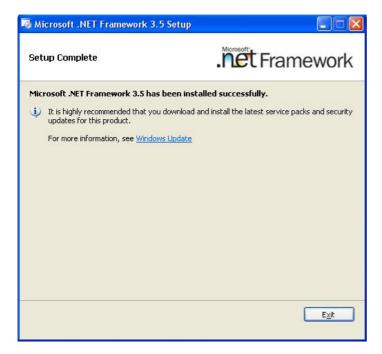
- 19. Installation will complete.
   20. Test the camera by taking a test image with CCD Ops (Grab image)

#### Installing Microsoft .Net 3.5 SP1

- 1. Insert the recovery DVD and browse to DVD:\Prerequisites\NET Framework 3.5 SP1
- 2. Run the 'dotnetfx35.exe' file found in that folder.
- 3. Accept the licence agreement and then click the 'Install >' button.



- 4. The install will now start. *WARNING:* This may take quite some time.
- 5. When shown the 'Setup Complete' screen, click the 'Exit' button.



6. If prompted, restart the computer.

# Installing Microsoft DirectX (Nov 2007)

- 1. Insert the recovery DVD and browse to "DVD:\Prerequisites\DirectX 9.0c (November 2007)"
- Run the 'DXSETUP.exe' file found in that folder.
   Accept the licence agreement and then click the 'Next' button.

Installing Microsoft(R) Dire	ectX(R)
	Welcome to setup for DirectX The DirectX setup wizard guides you through installation of DirectX Runtime Components. Please read the following license agreement. Press the PAGE DDWN key to see the rest of the agreement. You must accept the agreement to continue the setup.
	MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT DIRECTX END USER RUNTIME These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft * updates,
	<ul> <li>I don't accept the agreement</li> </ul>
	< <u>₿</u> ack <u>N</u> ext > Cancel

- 4. Click the 'Next' button.
- 5. On the 'Installation Complete' screen, click the 'Finish' Button.

# Installing the ClonePix FL Software

- Navigate to the "Setup\ClonePix FL x.x.xx.xxxx" folder on the Recovery DVD.
   Run the file "Setup ClonePixFL.exe".

😽 Genetix ClonePixFL - InstallShield Wizard			
	Welcome to the InstallShield Wizard for Genetix ClonePixFL		
	The InstallShield(R) Wizard will install Genetix ClonePixFL on your computer. To continue, click Next.		
	WARNING: This program is protected by copyright law and international treaties.		
	< Back Next > Cancel		

🙀 Genetix ClonePixFL - 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.	
InstallShield	

4. Click "Install" to install the software.

🔀 Genetix ClonePixFL - InstallShield Wizard		
	InstallShield Wizard Completed	
	The InstallShield Wizard has successfully installed Genetix ClonePixFL. Click Finish to exit the wizard.	
	< <u>B</u> ack <b>Finish</b> Cancel	

- 5. Click "Finish" to complete the installation.
- 6. Run the "ClonePix FL" software from the "Genetix" folder on the Start menu. The software will prompt for a license follow the on-screen instructions and acquire a valid license file from a Genetix Support representative.

#### Installing the ClonePix FL Standard Configuration

- 1. Insert the recovery DVD.
- 2. From the Windows "All Programs" button, run:

#### Genetix->ClonePix FL->Configuration Manager

- 3. Click the "Restore from File" button and browse to "DVD:\Configuration Template"
- 4. Select the file correct configuration based on the serial number of the instrument, and press the OK button.
- 5. Close the configuration manager after confirmation that the restore has been successful.

Proceed to commission the ClonePix FL devices as normal.