

KIP AutoCAD R14 ADI Driver (Version 4.3 Rel. 1.093)
Document version 5.2.2003.1

1. Overview and Features

The KIP AutoCAD R14 ADI Driver has been designed to quickly and effectively plot to your KIP directly from the AutoCAD interface under Windows 95/98/ME/NT/2000. Features and functionality of this driver can work in tandem with our Powerprint Request software for added power and flexibility, or as a stand alone entity. It can also be used to Plot-To-File for archival purposes and/or preparing files for a printing service.

2. Link Options

- Powerprint Request / Plot to Port

Allowing the AutoCAD driver to interface with Powerprint Request provides the most versatile and powerful printing solution from AutoCAD 14. Powerprint Request is KIP America's document submission tool that allows for complete and comprehensive control over printing/plotting. When the AutoCAD driver is linked to Powerprint Request, users have the ability to password protect job submissions based on user and job information, apply custom made stamps, activate folder equipment (if applicable), and modify job descriptions for accounting purposes.

The link to Powerprint Request is not mandatory. If the features stated above are not required in your printing environment, there is no need to establish a Powerprint Request link.

In either case, output from the AutoCAD driver to your KIP printer is accomplished via a network printing port. This port is available when an instance of the KIP Windows driver is available from the AutoCAD workstation.

* Installation instructions and further documentation for Powerprint Request are located on your Powerprint software compact disc that came with your KIP system.


- Plot-to-file

The AutoCAD driver can also output to a file. Whereas this is a viable option to print, it is the least recommended as a DIRECT plot method. Use this option only if you are plotting for archival purposes, or creating a print file for a printing service.

3. Initial Installation

The following files are necessary for proper installation:

Disk.id
Kipadi.001
Install.exe
Readme.txt
Install.dat
Ws_ftp.log

Double-click the install.exe icon  to launch the automated installation process.

* Initially, you will see a welcome screen; click 'OK' to continue.



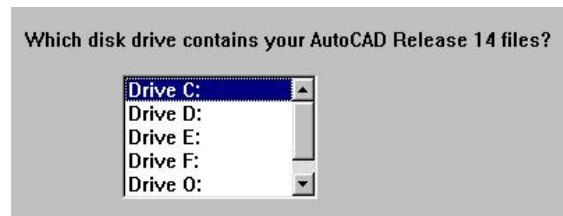
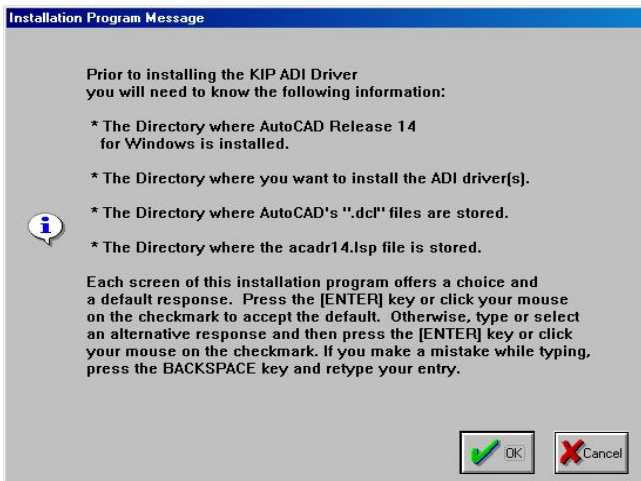
* Review the next screen that describes the driver license terms, click 'OK' to continue.

* The next menu warns for removal of any/all KIP drivers. If you have an older version of the AutoCAD driver installed, remove them as instructed in Readme.txt. Click 'OK' to continue.

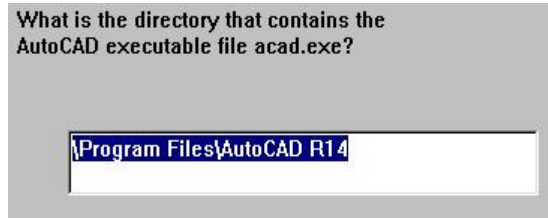
* Install will prompt you to shutdown AutoCAD before continuing. Click 'OK' when ready.

* Some information will be needed before continuing. Install notifies you of what you need. Typically the defaults are sufficient if AutoCAD is installed at your workstation and not shared from a server. If the AutoCAD program *is not installed at your workstation locally*, contact your network administrator to determine the location. Click 'OK' when ready.

* You will now be prompted for the location of AutoCAD 14. If installed locally, default values are generally correct. Select the appropriate drive letter (i.e. C: if local) and click 'OK' to continue.

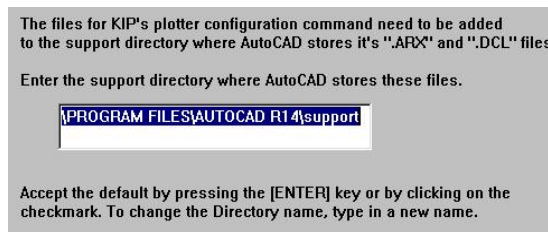


* Next, you will be prompted for the location of acad.exe, the main AutoCAD 14 program file. Select the appropriate location (again, default values are generally fine if installed locally); Click 'OK'.

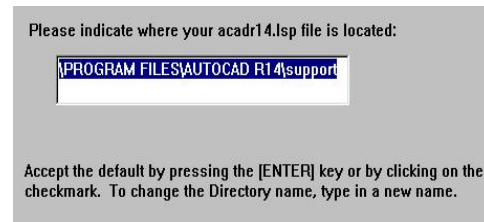
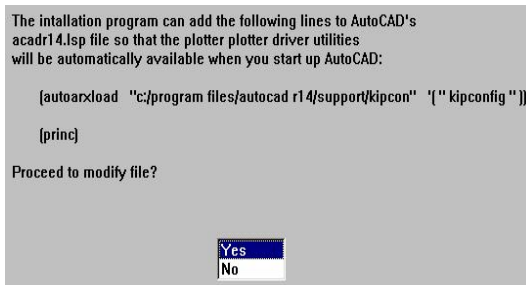


* Install will now prompt for a location to install the ADI main driver files. Click 'OK' to accept the default value.

* The next menu asks for the location of AutoCAD "ARX" and "DCL" files. Again, accept default values if AutoCAD is installed locally. Click 'OK' to continue.



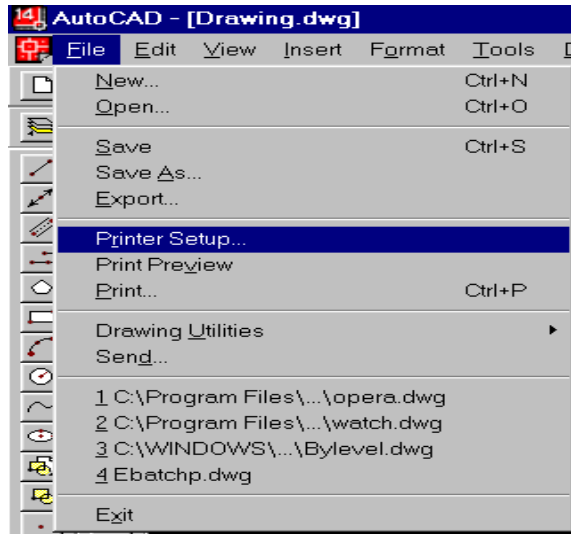
* The next two screens ask for permission to modify AutoCAD's LSP file, and also its location. This will allow the user to enter 'KIPCONFIG' at the AutoCAD command prompt to access / change driver settings. Select 'Yes' and Click 'OK' for both of these.



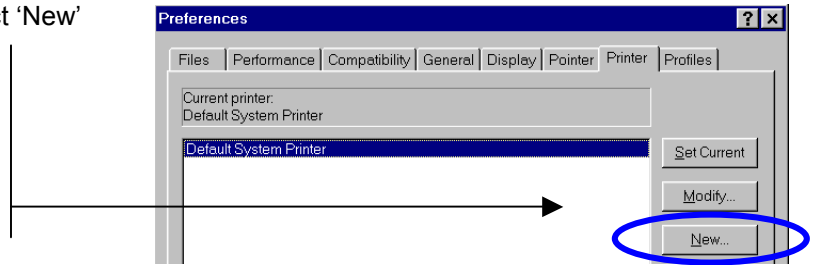
* All subsequent screens simply notify the user that the install will take place and to confirm this. Click 'OK' to finalize the install process.

Once the install procedure is complete, start AutoCAD and follow these simple steps:

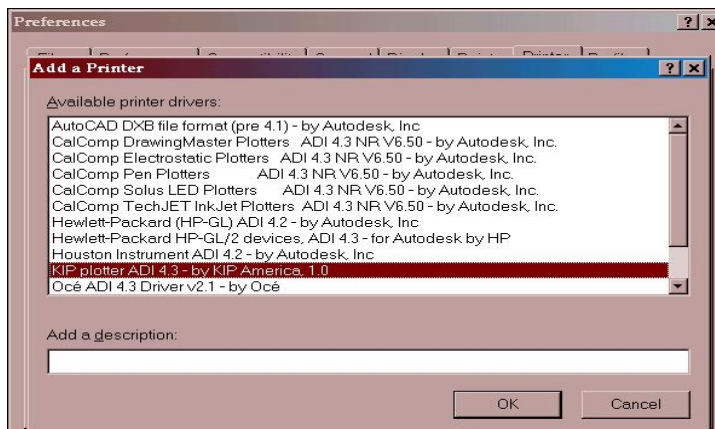
1. Click on the file menu near the top of the screen and select 'Printer setup'



From the menu of choices, select 'New'



2. Select the KIP plotter ADI 4.3 from the available devices, and click 'OK'



- An AutoCAD text window will appear, asking you to link with the KIP Powerprint Request initialization file. If you are not familiar with Powerprint Request, or the location of this initialization file, contact your network administrator.

In cases where a link to Powerprint Request is not required, select "No."

Generally, if many users employ Powerprint Request, a *shared* initialization file may be in use, located on a network hard drive. If Powerprint Request has been installed locally, the default location of this initialization file is C:\Program Files\Windows Request\winreq.ini.

```
A U T O C A D (R)
Copyright (c) 1982-1997 Autodesk, Inc. All Rights Reserved.
Release 14.0 (5/6/97) Microsoft Windows Version 4.10 (x86)
Serial Number: 110-99477391
Licensed to: PShipley, KIP America
Obtained from: . - .

Menu loaded successfully. MENUGROUP: ACAD

Command: Regenerating drawing.

Command:
AutoCAD menu utilities loaded.

Command:
Command:
Command: _config
KIP Printer, Driver version 1.0
(c) 1999 KIP, America., Inc.

Do you want to link to
Powerprint Request software (winreq.ini)? <N>
```

- Browse to the location of your Powerprint Request initialization file when prompted.
- Next, you will be prompted for an output method. **(Note: If you have multiple KIP Printers/plotters, you will be asked to make a device selection first).** Select the option to print to a network Port.

```
Enter choice for machine type, 1 to 3 <1>: 3

Choice Output Method
-> 1. Direct to n:\9900\request
2. Use AutoCAD to output to port, network or LPD printer

Enter choice for output method, 1 or 2 <1>: 2

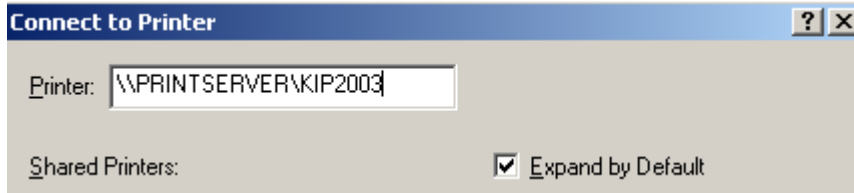
Specify port:
<S>erial port (Local).
<P>arallel port (Local).
<N>etwork port.

What is your printer connected to? <P> n

Specify port:
<S>erial port (Local).
<P>arallel port (Local).
<N>etwork port.

What is your hardcopy device connected to? <P>
```

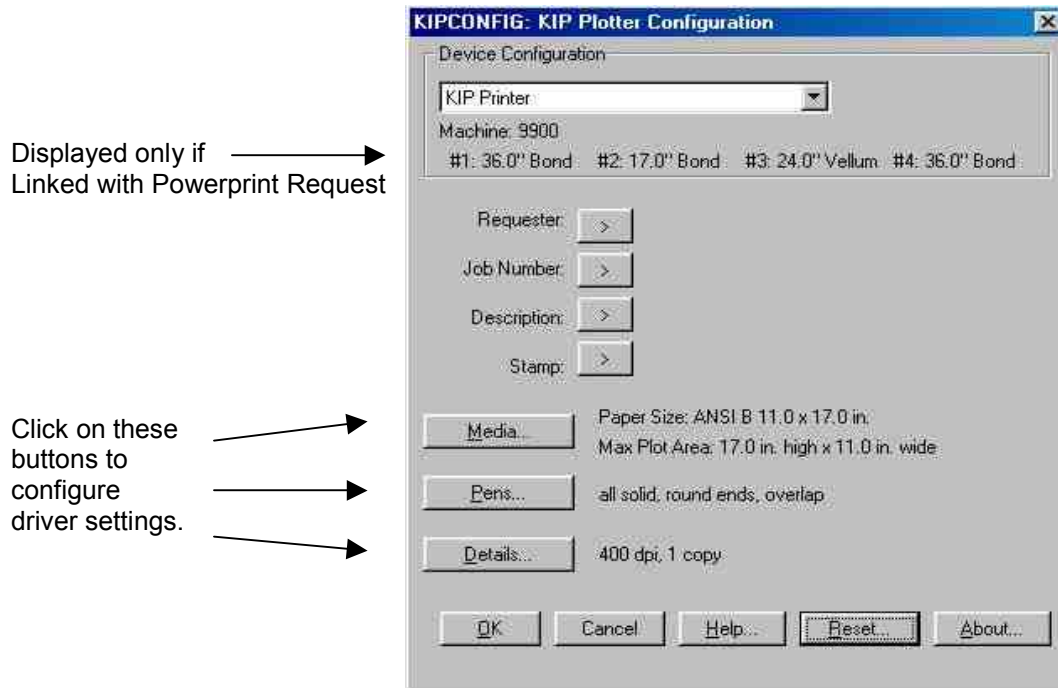
- You will see a screen asking you to select your printer. Select the KIP printer from the appropriate share on your network and click 'OK'.



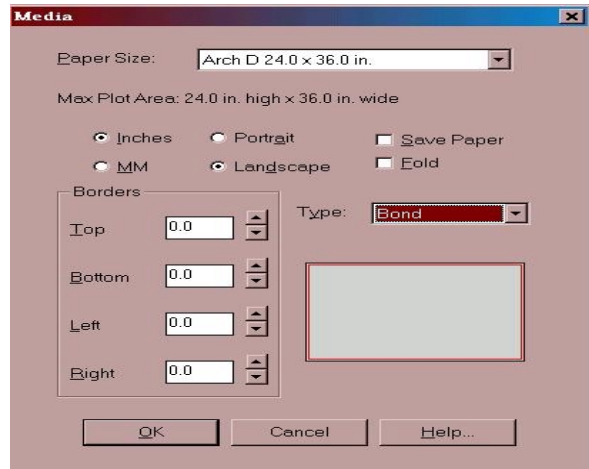
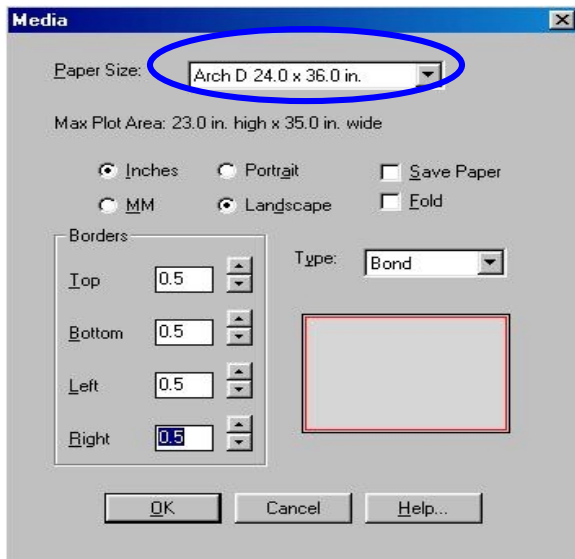
- When asked to make any changes, Select 'NO'
- Provide a description for the plotter if necessary, Click 'OK'
- Click 'OK' to finish the installation.

3. Configuration

In order to access the wide-array of features included with KIP ADI driver, type KIPCONFIG at the AutoCAD command prompt. A **G**raphical **U**ser **I**nterface will appear with several options.

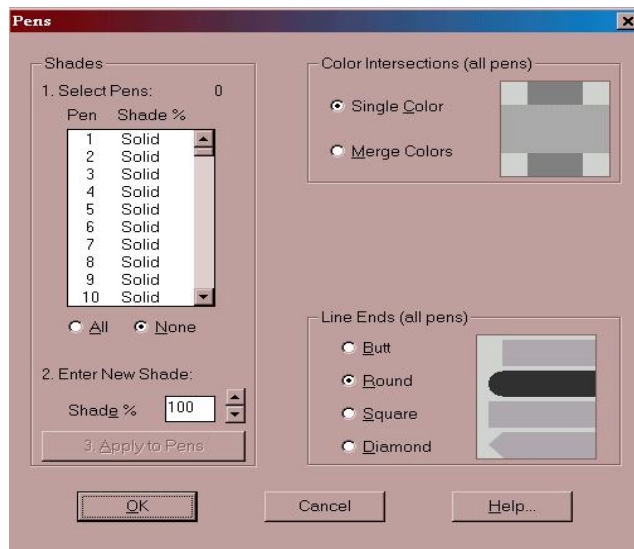
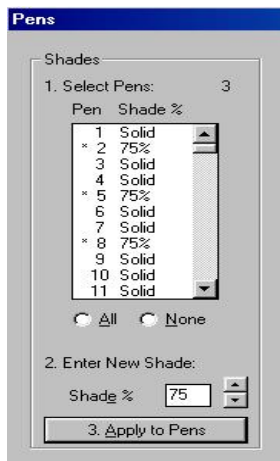


Clicking the **Media** button allows the user to configure paper size, media type, orientation, english/metric unit selection, establish borders, and activate optional folder settings. When setting borders, it is important to understand that paper size remains intact. The KIP ADI driver simply reduces the available print area, as shown below with a .5" border.

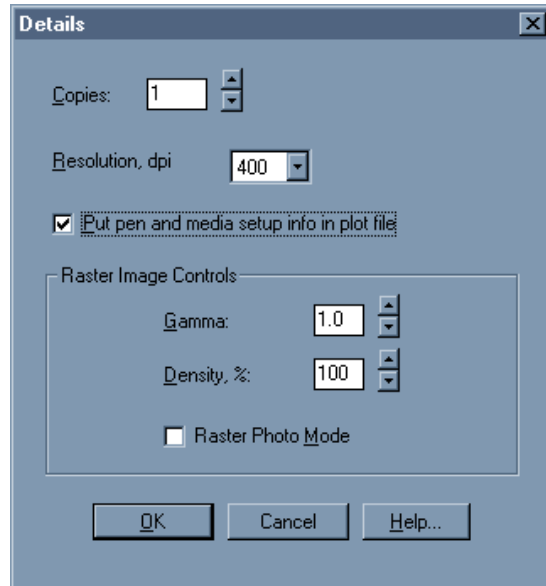


Clicking the **Pens** button allows the user to configure pen shading values, line-end types, and line-merge settings.

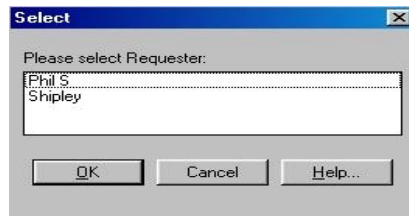
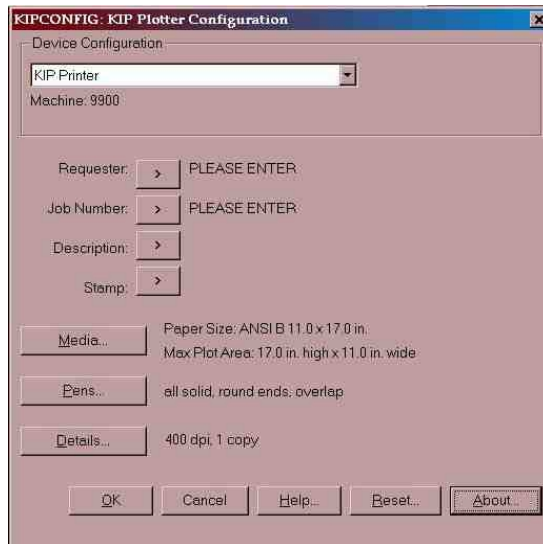
When making pen modifications, you can select multiple pens with a single click. The chosen pens will now have an asterisk displayed and are considered modifiable. Select desirable shade percentage, and click 'Apply to Pens' to update pen table information.



Clicking the **Details** button allows the user to select **number of copies**, and printer resolution in **dots per inch**. A check-box is also provided to specify whether any/all options should be written directly to the resulting plotfile that any digital KIP printer can recognize. The **HP-RTL density** slide-bar controls how the KIP printer/plotter handles embedded raster images (0 –lightest to 100 darkest). When **Raster Photo Mode** is enabled, a special dithering process is activated to obtain high-quality output when dealing with embedded photographic images (i.e. overhead photography)



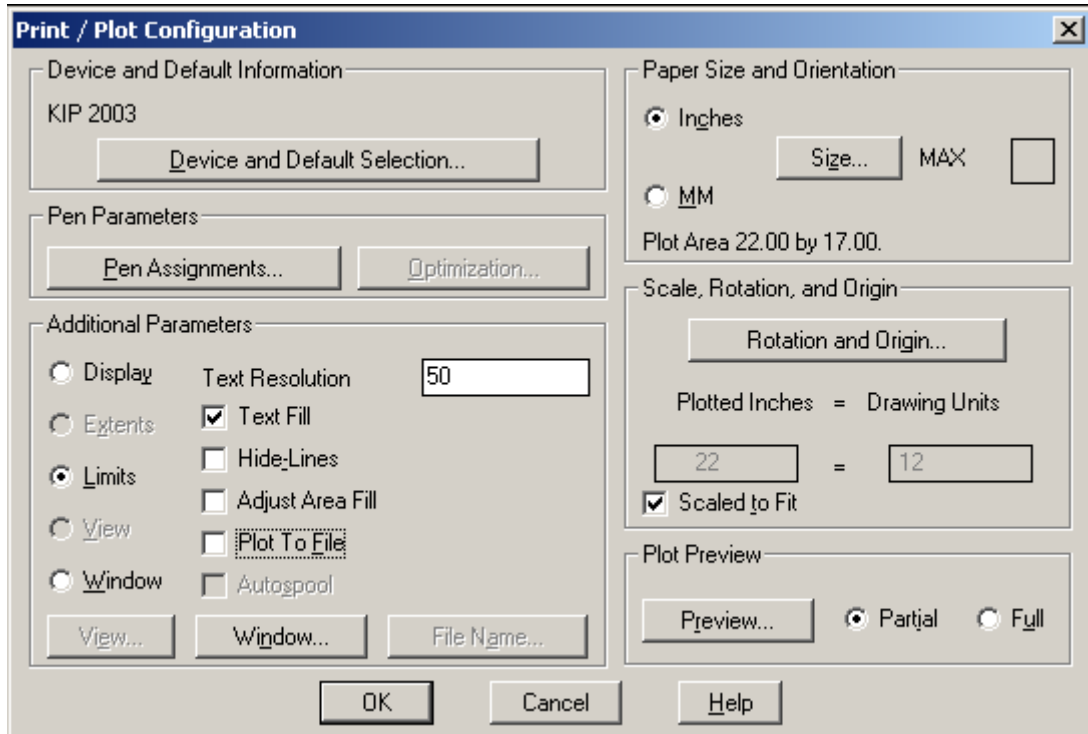
The KIP ADI driver allows you to customize your print job by specifying **requester information**, **job information**, **job description**, and **stamp** options.



4. Plotting

From the 'Print' menu, verify the correct printing device is selected. Make any final plot parameters here for sizing and scaling. Select OK to send a print to your KIP device.

Note: If you wish to create a .PLT file for a printing service, select "Plot-To-File" and specify a suitable output location.



While there are many additional configurable options this is the straight path to plotting to the KIP and/or plotting to file. If you have any installation or configuration concerns please contact the Digital Support Team at 1-800-252-6793.

DIGITAL SUPPORT BULLETIN NT-00-017

7 August 2000

Subject: **AutoCAD 14 batch plotting using KIP ADI Driver**

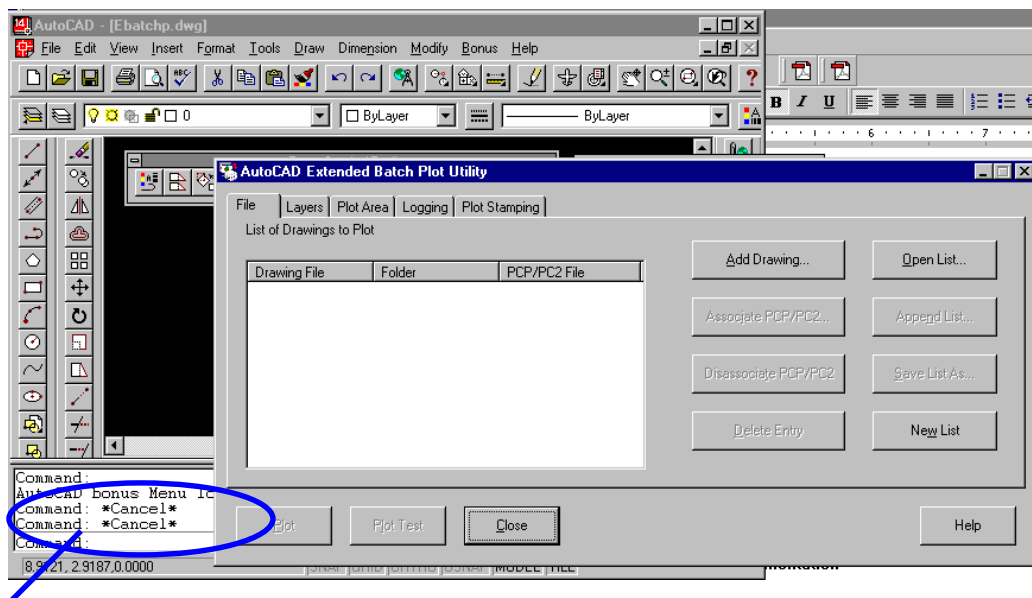
This document contains information regarding batch plotting from AutoCAD 14, utilizing the KIP ADI Driver.

We have tested batch plotting using the AutoCAD 14 batch plot utility as well as another batch plot utility called PlotM8 (<http://ourworld.compuserve.com/homepages/csgsolutions>) The key to utilizing batch plot utilities is a threefold process:

1. Visit KIP America's Web Site: www.kipamerica.com
 - Navigate to the Downloads Area
 - Download the AutoCAD 14 KIP ADI Driver.
 - Download supporting .PDF documentation illustrating Driver Installation.
2. Install the AutoCAD 14 KIP ADI Driver the PDF documentation.
3. Follow the instructions below:

The below instructions illustrate batch plotting from AutoCAD 14's Batch plot utility. There are several other Batch plotting LISP routines available, for example PlotM8, and Batch Pro.

The most important part in successfully batch plotting is to invoke a command from the AutoCAD 14 command prompt. Launching the Batch plot utility for AutoCAD 14, opens an AutoCAD session. It is in this session where we can find the command line prompt.



From the AutoCAD command prompt, type the following, without the quotes: "CMDDIA". Next, when prompted, type "0", again without the quotes. This will turn the plot dialogues OFF within AutoCAD, and is essential for batch plotting. Please be sure to turn the plot dialogues back on by typing "CMDDIA", without the quotes, then "1", when prompted, again no quotes, once your batch plotting is complete.