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# 1. Installation

## 1. SETTING UP AND STARTING YOUR KIP POWERPRINT CONTROLLER

Congratulations on receiving your KIP Powerprint Controller. If you follow the steps below when setting up your Powerprint Controller you will have minimal problems and better understand how the system functions.

Your system is ready to use now, the factory has already configured it for optimum performance. However, the Powerprint CD included contains backup software and installation disks if necessary.

### "POWERPRINT CONTROLLER FOR WINDOWS NT"

**Sample Images**
**Matrox Video Drivers**
**Ghost Image & Program**

This is a complete system software copy of the hard drive as it left the factory.

**Note:**
In the event your system is unusable, you can use the Ghost Boot Disk in conjunction with the CD and "re-ghost" the system. This process will erase all information from the hard drive and reinstall Windows NT and all of the KIP Powerprint Software.

**Iomega Install Disks**

For use with Iomega Drives, parallel and internal.

**3-Com Network Drivers**

To be used if you need additional network drivers for your network.

**U.S. Robotics Modem Drivers**

While the modem is for KIP Support dial-in diagnostics, we will supply drivers if you need them.

**Install Disks for Powerprint Request/Kip Q-Vue**
**Install Disks for Powerprint Scanner**
**Install Disks for Powerprint Unattend**
**Install Disks for Powerprint Manager**

**2. Setting the Leading and Trailing Edge Adjustments for the Scanner**

Each of the Controllers must be set to adjust for extra leading and trailing edge during scanning and for each DPI. The items were configured at the factory but you may wish to adjust them to obtain a consistent scan length when scanning at a different DPI.

**1.** To test: Draw arrows on all for corners of a document (36 x 24). Start the Powerprint Scan software and scan the image at 400 DPI and View.
**2.** In the View program select View, Info, see the Image Length. If it is not close to the correct length then you will have to make adjustments in the WINSCAN.INI.
**3.** Examine which edge is incorrect. Quit the View and Powerprint Scan software.
**4.** Select POWERPRINT DIAGNOSTICS from the Main Menu and double click the WINSCAN.INI to edit the configuration program.
**5.** Change the values for the DPI you wish to adjust, values are in pixels, 400 pixels = 1 inch, set to 100 to remove .25 inches and so on.

StripLeadingl00DPI=30
StripTrailingl00DPI=35
StripLeading200DPI=60
StripTrailing200DPI=36
StripLeading300DPI=10
StripTrailing300DP l=30
StripLeading400DPI=0
StripTrailing400DPI=0

6. Save the WINSCAN.INI and start the Powerprint Scan program again. Re-Scan and View again to make sure that you have made a correct adjustment.

Perform the same corrections at all DPI that are available at the Powerprint Scan Menu (400, 300, 200 and possibly 100 DPI).

**3. Connecting your Powerprint Controller to your network**

The Powerprint Controller connects to your network through the 3COM 3C9XX ethernet card that is in your Controller. Some drivers may have been installed at the factory but the 3COM drivers are included if necessary. Consult your Network Administrator to connect to your ethernet network. Contact KIP Digital Support if you plan to use a different network card. Drivers are available on the Powerprint CD.

**4. Printing to the Powerprint Controller from the Network**

Once the Controller is attached properly to your network there are four paths that the Controller will monitor for files. These paths must be manually created in the Explorer on the network drive and set in the Powerprint Unattend software, Configuration, Set Monitor Paths. Additional groups of Monitor Paths can be set by selecting the right arrow in the Set Monitor Paths menu of the Powerprint Unattend software under the configuration menu. The Powerprint Controller must have full rights to these directories to create and delete necessary files.

**REQUEST MONITOR PATH** is the path that your workstations will access for sending print requests through the Powerprint Request Software. This item is set in the Powerprint Unattend software, choose Configuration, Set Monitor Paths in the Powerprint Unattend as well as the REQUESTDIRX in the Powerprint Request software (WINREQ. INI).

**VECTOR MONITOR PATH** is the path that your workstations will send individual vector plotfiles (HPGL1 /2, Calcomp 906/907, HPRTL, Postscript (opt.), PDF (opt.)) when not using the Powerprint Request software. ***Please see note at bottom.**

**RASTER MONITOR PATH** is the path that workstations will send individual raster files (Cals Group 4, Tif Group4, PCX, TLC, CIT) when not using the Powerprint Request software. ***Please see note at bottom.**

***Note**: While in the unattended mode, the user can simply drag and drop files in the Windows Explorer and they will print. Drag and drop **HPGL, HPGL2,Calcomp, HPRTL, Postscript (opt) and PDF (opt) files into the Vector Monitor Path** and **TLC, CALS Group 4, Tiff Group 4 and PCX files into the Raster Monitor Path.**

**LOG DIRECTORY** is the path that the monthly log is written to by Powerprint Unattend and where the Powerprint Request software accesses the Roll information. This item is set in the Powerprint Unattend, Configuration, Miscellaneous Configuration as well as the STATUSDIR in the Powerprint Request software WINREQ.INI).

**5. Installing the Powerprint Request Software on other PC's**

We have provided a CD with the Powerprint Request Software for use in Windows 95/98 and Windows NT.

Service Pack 3 must be installed on your Workstation for NT.

Use **CD-ROM\Powerprint Request Setup\Setup.EXE**.

> **NOTE: See Administrative Section of the Request portion of this manual for more information about installation over a network.**

After the installation use Explorer to create: C:\T and C:\PROGRAMS\RECALL.

Set the Monitor Paths to match those set in the Powerprint Unattend at the Controller as done in step 4 above. Go to the Controller and note the following directories: REQUEST MONITOR PATH for network drive. LOG DIRECTORY for network drive.

Edit the C:\PROGRAM FILES\WINDOWS REQUEST\WINREQ.INI at the PC that you installed the Powerprint Request software on. Add or change the paths to match the drive and directory of the REQUEST MONITOR PATH (from Powerprint Unattend) = REQUESTDIR (in WINREQ.INI) available from the PC you are at.

**6. Shutting down your Windows NT Powerprint Controller**

It is always important that your shut your NT Controller down properly. Select the START button from the bottom of the Windows screen then select SHUT DOWN. Never just shut off the Controller.

**7. KIP America Support Remote Diagnostics**

Included with your Powerprint Controller is an internal modem and phone line that is to be used for KIP America Support Personnel to call into your Controller for diagnostic purposes. We prefer that you do not install any extra software that uses the modem, especially if it may disrupt remote diagnostics. If you have problems with your Controller or any files we can dial up your Controller from KIP America and help you.

1. In order to take advantage of this you only need to connect the 50 foot phone cord or any phone cord to your TELCO connection on the back of the Controller and select the KIP Diagnostics folder.

2. In the KIP Diagnostics folder, select the KIP America Remote Diagnostics, Server, Start Remote Server Service. The Server name in the dialog box should read \\KIP unless you have changed the Computer Name in the Network Settings menu of the Control Panel.

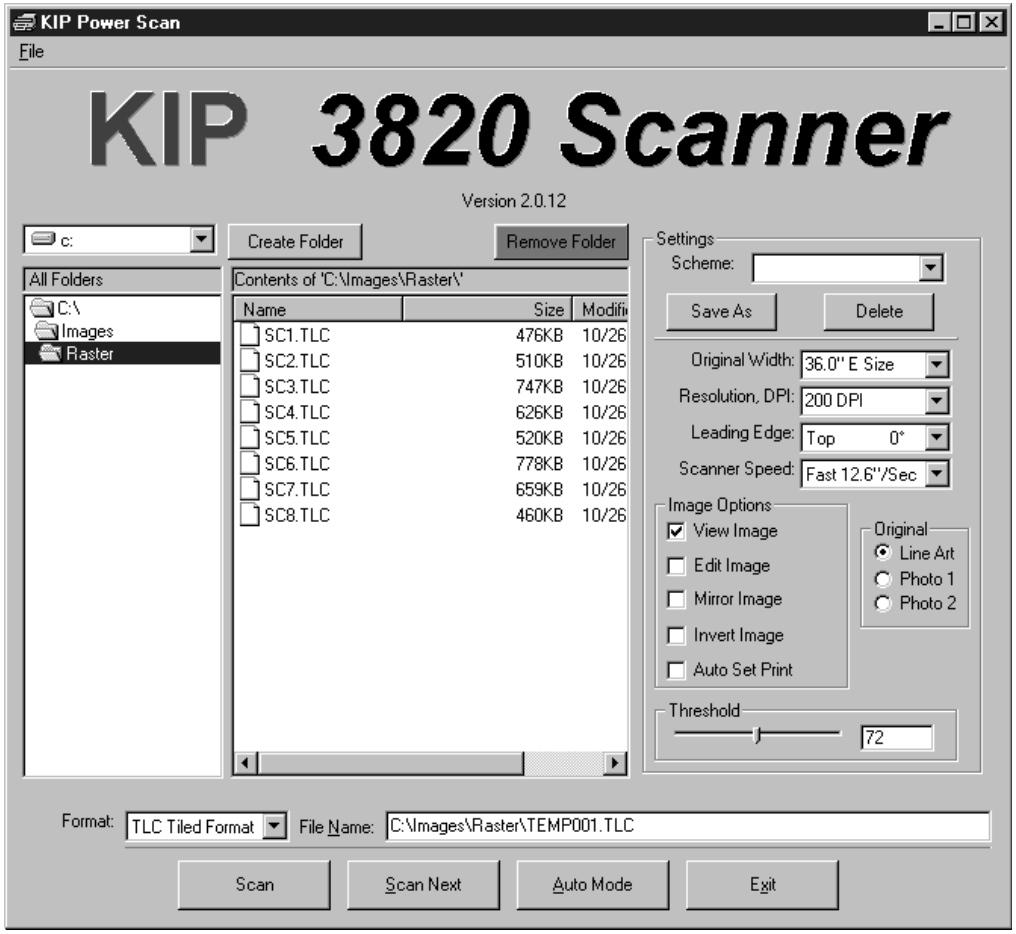
3. Click OK to start the Remote Access Service.

4. Now KIP America Technical Support can dial into your Controller to help you with trouble shooting. Once we have completed our task, you can select Server, Stop Remote Access Service to quit.

# 2. KIP Scanner

**Kip Scanner**

The KIP Scanner application is used to set the appropriate parameters for scanning hard copy documents. The following pages will thoroughly detail the use of the KIP Scanner interface.



**Drive** 


The Drive field is used to select the Drive into which the user wants the scanned image to be stored. Single click on the arrow button, next to the Drive Dialog box at the top of the screen, and double click on the desired drive. Once done, the folders already in the drive will be displayed.

The chosen drive will appear in the Filename field at the bottom of the screen.

**WARNING:**

Do not scan images to Drive D. The D Drive is reserved for system operation.

**All Folders**

The All Folders field is used to select the exact folder for storage. To choose, double click on the desired folder or single click and press Enter. This will display the contents of the folder in the Contents field.

To “back up”, double click the folder just above the highlighted one. This action will cause the user to “move back” one folder at a time.

The current path\folder information chosen will be reflected in the Filename field at the bottom of the screen.

**Create Folder**

Create Folder is used to make a new folder on the selected drive. Select the Create Folder button, at the top of the screen and enter the desired name in the dialog box that appears. Once entered, select OK. This new folder is now displayed in the All Folders field.

**Remove Folder**

Remove Folder is used to remove a previously created folder from the drive. To perform this function, highlight the appropriate folder from the Folders Field using the arrow keys or the pointer and then select Remove Folder. The folder is now removed.

**CAUTION:** All sub-folders will be deleted as well.

**Format** TLC File Format ▼

The format field, located at the bottom-left of the screen, is used to specify the file format to which the scanned image(s) will be stored as. A single click on the arrow button in the file format reveals a drop-down menu of options consisting of **TLC Tiled Format, CAL CALS Group 4, TIF TIFF Group 4 and PCX Monochrome.** Select the desired file format by double clicking on its name. It will then be automatically stored in the folder specified in the Filename Field.

**NOTE:** Choosing the TLC format will result in the fastest printing.

**File Name** C:\images\TEMP001.TLC

First and foremost, when using the KIP Scanner software, the user must assign a filename for the new document or set of documents. This field is located at the bottom of the scanner screen, just above the option buttons.

When the software is first accessed, the Filename field lists the default filename, **C:\images\TEMP001.TLC.** If the user began scanning without changing this default, this first document would be saved as **TEMP001.TLC.**

However, if a different name is desired, the user can modify this field by entering the appropriate drive, directory and filename for the scanned image. The following demonstrates a typical path format:

**C:\images\EXAM001.TLC**

The software has been designed so that the user can easily change only the characters before the filename extension (TLC, TIFF, etc.). This is the only portion of the field necessary to modify. Always be sure that the filename is followed by the appropriate extension abbreviation, set forth in the Format Dialog box to the left of the Filename field, and preceded by the appropriate Drive and Directory settings, set forth in the Drive dialog box and All Folders field at the top of the screen. For more information regarding filename conventions, please refer to the Windows NT Manual.

**Scheme** Default ▼

The KIP Scanner allows the user to save and recall a specific set of parameters using the Scheme field. Once customized, the desired settings can be saved under a specified name.

A single click on the Scheme arrow button displays a drop-down menu listing the existing saved settings. When the program is initially launched, the **Default** setting will automatically appear in the Settings field. Once the user modifies the existing settings, using the drop-down arrows in the fields below, the Settings field will become empty.

**Save As**

To save a new setting for use in the drop-down menu, select **Save As** and then title the setting in the dialog box. Then click OK. If the settings file is named "Default" its settings will be loaded each time the software is launched.

**Delete**

To remove a setting from the drop-down menu, select it for the current setting and select **Delete.**

**NOTE:** To recall a previously saved setting, choose it from the drop-down menu and its characteristics will be displayed.

**Original Width** 36.0" E Size ▼

The original width setting refers to the width of the document set for scanning. Clicking the arrow button in this field displays a drop-down menu of various widths available. If desired, the **Auto Mode** will automatically recognize the original width during scanning. See the Auto Mode paragraph in this section.

**Resolution DPI** 400 DPI ▼

This option allows the user to select the desired resolution for the scan. The higher the resolution, the larger the file and the slower the speed of the scanner and vice-versa. But remember, the higher the resolution, the better the scan quality.

**NOTE:** Resolutions from 100-400 dpi are available. However, the size of a 200 dpi file is more than twice that of a 100dpi. It is actually four times the size. And, the same is true for 300 and 400 dpi files. So be aware of this when you go to scan and save a file.

To select a resolution setting, click on the arrow and scroll down until the desired resolution appears and click on it.

**NOTE:** The higher the resolution in the scan mode, the better the printing of the final document will be.

**Leading Edge** Top 0” ▼

The Leading Edge of the document is the edge first fed into the KIP Scanner. This option allows the user to rotate the document for scanning purposes so that either the top or bottom, or left or right is the leading edge. To use this option, click the arrow button and then choose the appropriate angle.

This option is used to verify which side of the drawing is the Leading Edge into the Scanner. In addition, this option will provide proper image orientation for viewing. For example, if the document must be fed with the left edge leading due to size restraints, the user can specify a turn of 90,180, or 270 degrees so that the document may be viewed right side up.

**Scanner Speed** Fast 6.3”/sec ▼

Two scan speeds are available for each resolution. Although either speed will deliver the same end result, the condition of the document to be scanned will probably determine whether to use a faster or slower speed. Originals in bad condition should be scanned at the slowest possible speed.

**NOTE:** To select the scanner speed, click on the arrow and choose the desired setting from the dialog box. This option allows scanner speed and resolution to be independent of each other.

**Image Options**

☐ **View Image** option allows the user to view the scanned document immediately after it is scanned. Scans will only be displayed if this option is checked.

**NOTE:**
If View button was not clicked prior to scanning, the user can view the image by pressing **CTRL-V** after it has been scanned.

☐ **Mirror Image** option allows the user to specify the document to be flipped horizontally along its axis. The finished scan will be a mirror image of the original.

☐ **Invert Image** option turns the original into an exact negative of itself. Black-to-White and White-to-Black.

**Original**

The options provided here enable the user to specify the type of document being scanned.

☐ **Line Art** is selected for documents such as blueprints and drawings.
☐ **Photo 1** is selected for photographs or cluttered blueprints.
☐ **Photo 2** is selected for very fine and detailed photographs.
(this option is only available for the KIP 2035, KIP 9820 & KIP 7095)

**Threshold**  72

Allows control of the contrast setting from the controller by adjusting the threshold value. The higher the setting, the lighter the image and vice-versa. Threshold values can be set manually or by sliding the bar.

☐ **Auto Set Print**
To print during the scan operation, utilize the Auto Set Print feature. Selecting this box will display a modified version of the Request screen, allowing the user to set specific print parameters. For detailed information regarding these settings, please refer to the Request section of this manual.


When print setup is complete, click on **OK** to return to the main Scan Screen.

**NOTE:** If more than one set of prints has been requested, this job will be entered into the print queue of the Unattend program after exiting the scanning operation.

**Auto Set Print for Powerprint Standard:**

1. Exit Powerprint Unattend.
2. Open the Scan Software and select Auto Set Print and set parameters.
3. When you begin scanning, the unattend will automatically launch. During this operation, no other jobs will print.
4. When finished scanning, uncheck Auto Set Print or exit the Scan Software. Any remaining sets from Auto Set Print will then print.

**Auto Set Print for Powerprint Max:**

1. After checking Auto Set Print, any existing jobs will be interrupted at the end of a set, not at the end of the job, in order to begin working with the Auto Set Print features.
2. When finished, uncheck Auto Set Print. The printer will then complete any remaining sets from the Auto Set Print and then resume printing from the regular queue.

**Scan**

When all of the parameters are set, position the document face down in the scanner. Then click **Scan.** A dialog box will appear telling the user to press **Start**. When the scan is complete, remove the document from the KIP Scanner and prepare for the next original.

**Scan Next**

This option is used when a number of originals are being scanned. After each is completed, click **Scan Next** so that the files are saved in the same directory.

**Auto Mode**

This option allows the user to scan a number of documents without having to set the Original Width each time. It also will make it unnecessary to select Scan Next after the conclusion of each document.

**Auto Mode** allows the KIP Scanner to automatically detect the size of the document. Thus, as long as the remaining scan parameters are unchanged, various sized originals can be scanned quickly and with less user input. Note that the width detected will be displayed on the Scanner's LCD display

To use Auto Mode, first select **Auto Mode** on the screen. Next, place the first original in the scanner and press Start, once the first document is finished, various sized originals can be scanned without resetting the Original Width.

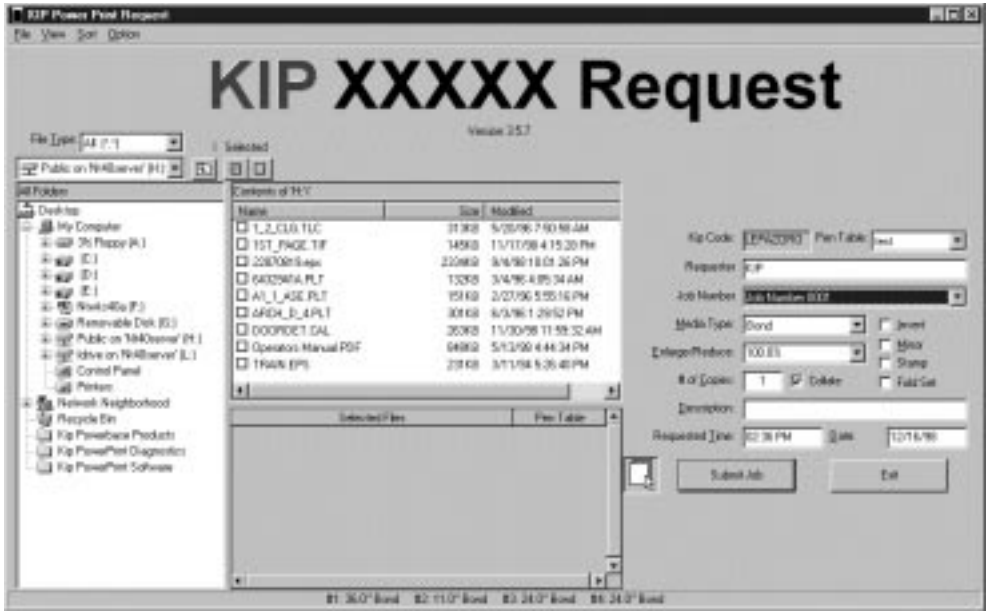
**Exit**

Click here to exit the program.

# 3. KIP Requester

**Request**

The KIP Request software is used to initiate print jobs for the KIP Plotter and can be run both at controller or network workstations such as Windows 95, 98 and NT.




- Toggle between available plotters by clicking the **Title Bar** (KIP XXXX Request).

- Installed Media and machine status are displayed along the bottom of the screen.

**Initial Installation**

Please refer to the section titled **Administrative Setup** for first time installation and other important administrative options.

**File Type** 


The drop-down menu located in the upper left corner of the screen is used to select the desired types of files for display. File types are listed by extension. The available extensions for access by the system are **.Cal, .Plt, .Tif, .Pcx, .Eps, .Ps, .Tg4, .Cgm.** Additional extensions can be added to the File Type list in the Winreq.ini.

**Drive** 


Select from list of available drives for file search.

**All Folders**

This area works exactly like the **Windows Explorer** (click on the + or - to see more or less of what the folder contains). A click on the desired folder will display its contents in the Contents of... box.

**Tagging Files for Print**

To submit a request to the KIP Plotter, the user must **Tag** the desired file in the Contents of... box.

To Select a range of files, first click on the leading file desired, then, hold the **Shift Key** down while clicking on the last file in the range.

**Tag All** 

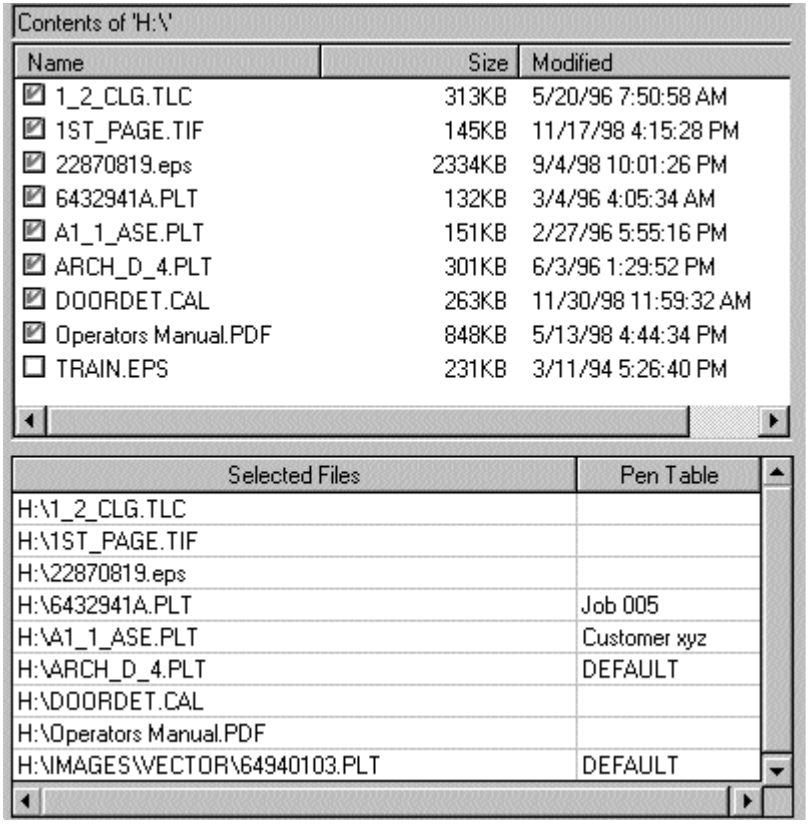
If all of the files in a folder are to be printed, the user can click **Tag All**, which will place a check next to each of the items in the **Contents of...** field.

**Untag All** 

The user can reverse the process of Tag All by clicking **Untag All**.

**Selected Files**

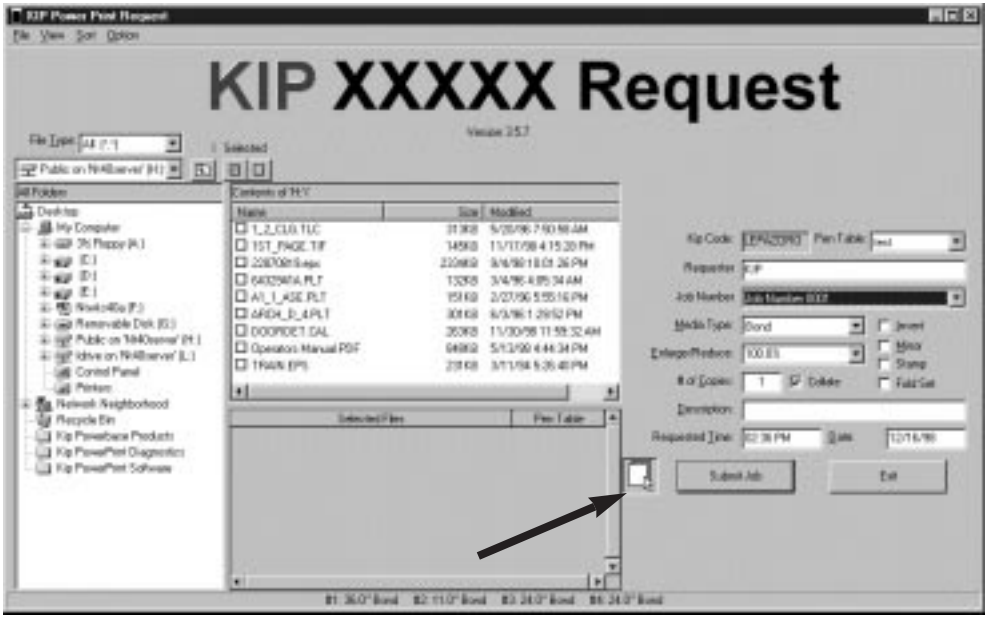
As each file is tagged, it will appear in the Selected Files box.



**Drag and Drop**

Located just right of the Selected Files box is a **Drag & Drop** zone. This area is a handy feature enabling users another method of selecting files for print.

Users can simply locate a file for print using Find File, Explorer, My Computer, etc..., and then click and drag it to the **Drag & Drop** zone. This process will save the effort of searching through the numerous subfolders of the **All Folders** area for a known location. By releasing the mouse button over the **Drag & Drop** zone after it is highlighted, the chosen files will appear in the Selected Files... box.



**KIP Code** MISAZAMO

A unique job name is randomly and automatically established by the system when the user initiates the KIP Request software. This name can be used to locate and verify the job's status in the queue.

**Pen Table** DEFAULT ▼

Specific pen settings can be saved and stored in this drop down list.

**Requester*** 

This field may be used to identify the individual requesting the plot.

**Job Number*** 

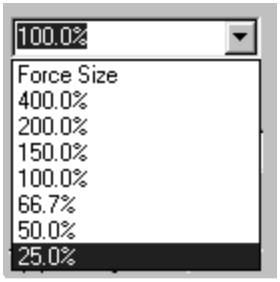
This field may be used to track the specific job or account the plot job was submitted for.

***NOTE:** Request/Job Number fields can be controlled/configured for job tracking purposes. See administrative section at the end of this chapter for more information.

**Media Type** Bond ▼

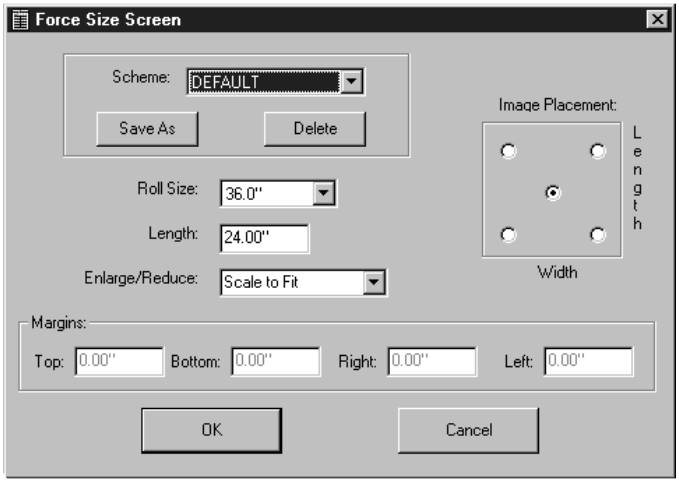
Select desired media using the pulldown menu.

**Enlarge/Reduce**




**Force Size**

Selecting **Force Size** from the **Enlarge/Reduce** pulldown allows the user to control exact output size and image placement.



**Force Size (cont.)**

**Scheme**

Scheme allows the user to **Save** desired settings for later recall.

- Set settings
- Click **Save As**
- Naming Scheme **Default** will make them active at startup
- Click **Delete** to remove a highlighted scheme

**Roll Size** 36.0” ▼

Available sizes range from 36” to 8.5” and one must be specified.

**Length** 48.0”

Enter the desired length of the document here.

**Enlarge/Reduce** Scale to Fit ▼

From 25% to 400%, the user can specify the size of the final print.

Also available is the **Scale to Fit** option. By choosing this, the user is telling the Plotter to make the image fit on the selected paper size. This may mean the image will be either reduced or enlarged, but it will always be proportionally.

**Image Placement**

This option allows the user to determine the orientation of the print on the page. Depending on which placement is chosen, certain settings will be required.

**Margins** top 0.00 bottom 0.00 right 0.00 left 0.00

**NOTE:** The image will be rotated to fit the selected paper size so that the longest edge of the image will be on the longest edge of the paper.

**# of Copies** [ ]

Set the number of desired prints.

☑ **Collate**

Check to produce a collated set.

**Description** [ ]

This field is used to enter pertinent information regarding the print file that will be displayed on the Powerprint Unattend Screen (i.e. ***Please Distribute Immediately after Plotting!***).

☐ **Invert**

The **Invert Image** option turns the original into an exact negative of itself. Black=White and White=Black.

☐ **Mirror**

The **Mirror Image** option allows the user to specify the image to be flipped horizontally along its axis. The finished print will be a mirror image of the original.

☐ **Stamp**

See the Stamp Section in this chapter.

☐ **Fold Set**

Used to fold prints.

The fold set option is defined in the WinUntd.ini files and explained in the appendix.

**Requested Time:** 12:11 pm

The user may set a specific time for the job to be printed.

**Date:** 03/10/00

The user may set a specific date for the job to be printed. Use a mm/dd/yy format.

---

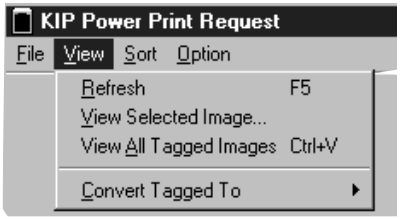
**Submit**

After all parameters are set, click Submit to send the job to the unattend queue.

**Exit**

When finished using the KIP Request software, click Exit to quit the application.

**View Menu**




**Refresh**

This option will recheck the current drive and directory for new files.

**View Selected Image**

The user has the ability to pre-view a file (or series of files) before submitting for print.

- Double left click on a filename in the Contents of... box
- Choose **View Selected Image** from the **View Menu** at the top

**View All Tagged**

While in the viewing mode, press **CTRL-TAB** to view the next tagged file in the Contents of... box or select View All Tagged Images from the View menu. (PS, PDF & CGM are not available for viewing)

**Exit View**

Use **File... Exit** or click the box in the upper-right corner to return to the Requester screen.

**View Menu (cont.)**

### Convert Tagged To

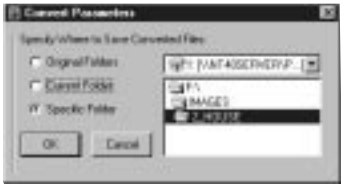
It is possible to change the format of any file. To do this, first tag the file for print and then right-click on it in the Contents of... box.


Select **Convert Tagged to** and choose desired format

**NOTE:** The original file will not be erased.

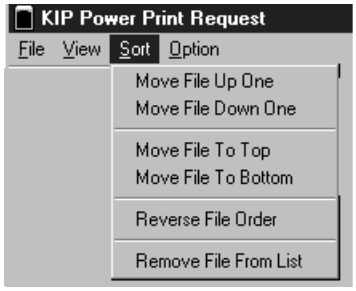
### Select Location for Converted Files

New files can be saved to a new location so as not to confuse them with their older counterparts. The following dialog box appears after file conversion.




**Original** refers to the folder where the original file is located.
**Current** refers to the current folder the user is working in.
**Specified** will allow the user to choose exactly which folder to save the file in.

## Sort Menu



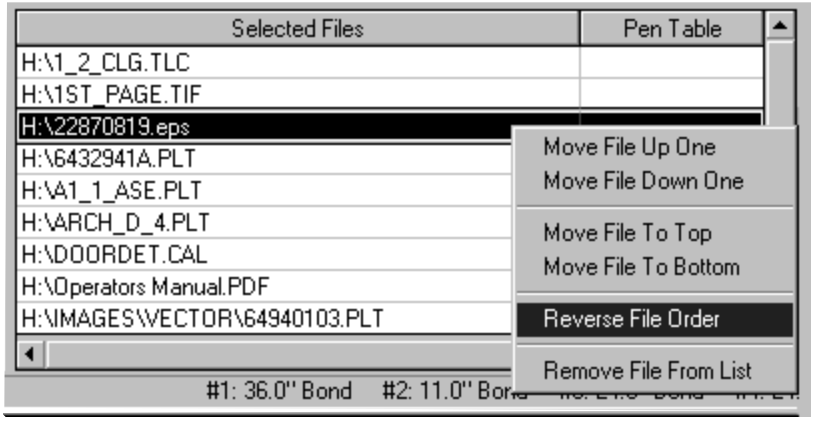

### Sorting the Selected Files List

Files will print in the order they appear in the **Selected Files** box.

However, this order can be manipulated.

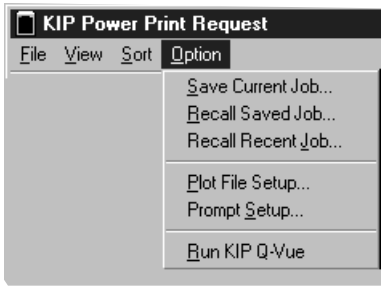
**1)** Highlight and Right-Click (or choose Sort from the Command Line menu) the desired file.

**2)** Choose new print order.



## Options Menu

The Options Menu on the main Command Line has a variety of functions.




### Save Current Job

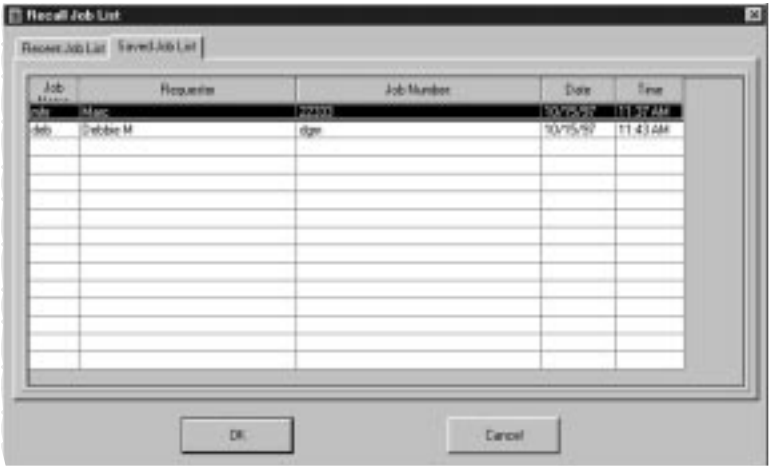
Use this function to save current job list for future usage.

**Note:** Jobs can be manually erased in C:\PROGRAMS\RECALL in the Microsoft Explorer software.

## Options Menu (cont.)

### Recall Saved Job

Once a job has been saved, the user can select the **Recall Saved Job** option to access the saved job list.



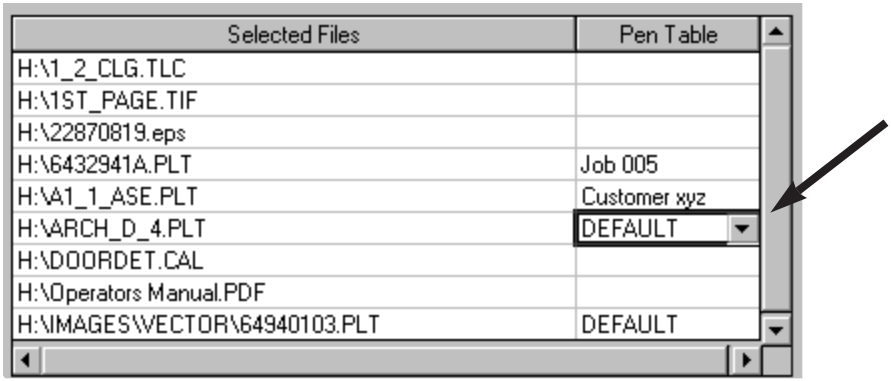

### Recall Recent Job

The last 15 jobs are automatically stored by the system - access this list using **Recall Recent Job**.

**Options Menu (cont.)**

**Plot File Setup (see section in this manual for more information)**

Selected vector files will display the active pen table. This is changed using the pull down menu which provides a list of saved pen tables.




**Prompt Setup**

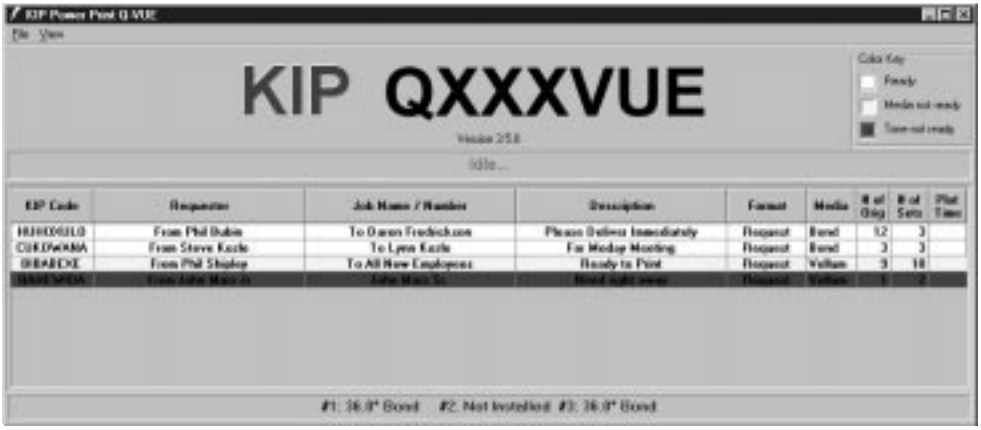
For more information, please refer to the **Administrative Section** at the end of this chapter.

## Options Menu (cont.)

### Run KIP Q-Vue

With Q-Vue, the user can remotely view the active queue of any KIP Plotter on the network. The user can only view the status of each job, not manipulate it.

To toggle between KIP Machines, click on the **KIP XXXX** at the top of the screen.



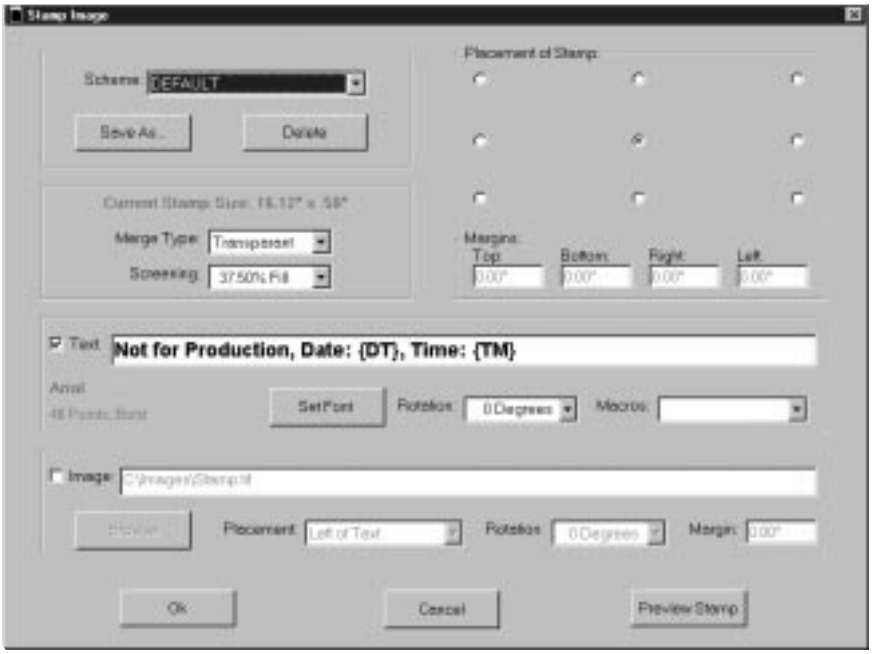

**Note:** KIP Q-Vue is configured via the KIP Q-Vue.ini located in the c:/program folder. See the ini section at the end of this manual.

**Stamp**

This is a way of stamping any type of print with an image, text or both.

This option is especially good for screening a company logo behind a print, as a watermark, or laying text like “NOT FOR PRODUCTION” across a print.

☑ When the user clicks on the Stamp option, the following dialog box will appear:



**Scheme**

Stamps can be created & saved in a list.

Once all parameters are set, the user can click **Save As** to name and save the present settings as a Scheme.

By clicking the **Delete** button, the user can delete the presently listed scheme.

**Placement of Stamp**

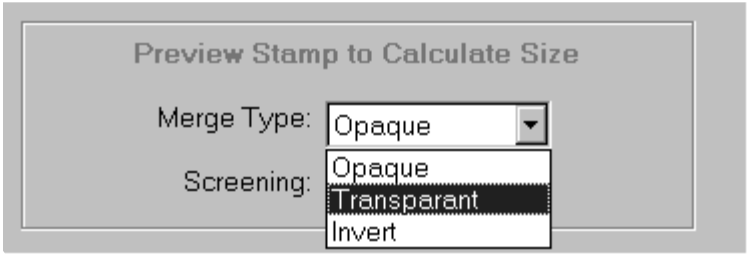
Here the user can determine where the actual stamp will be printed on the page. Depending on the selection, the user will have the option to set one to four margins.

**Current Stamp Size**

This setting will not be accurate until all parameters in the main stamp screen are set and the stamp is previewed.

**Merge Type**

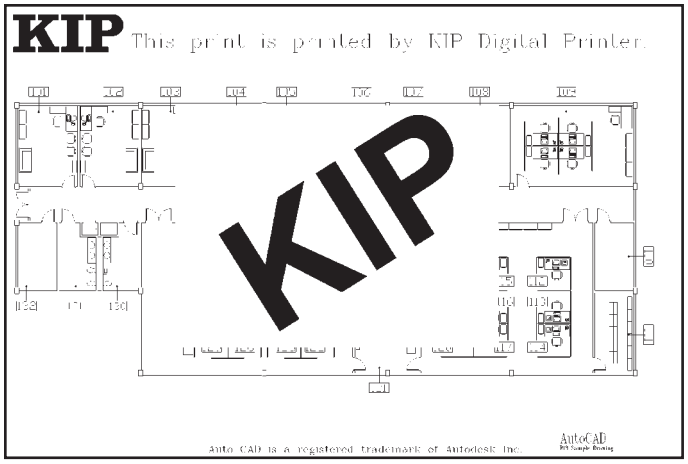
This pull down menu allows the user to define exactly how the stamp will merge with other files for printing. There are three (3) options.



**Merge Type**

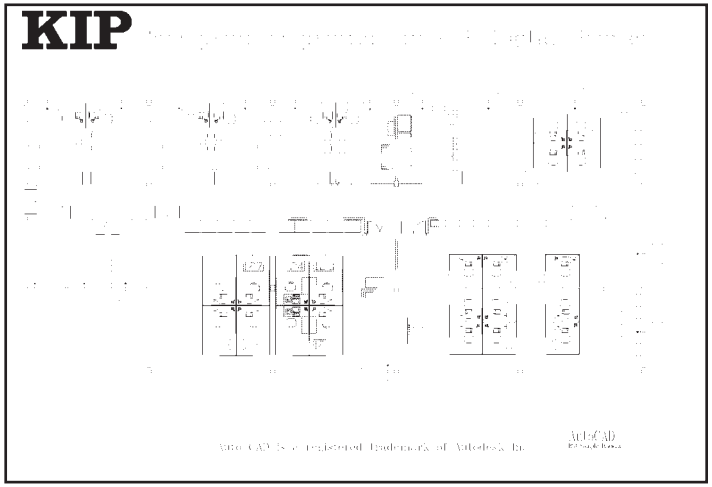
**Opaque**

Places the stamp directly over the print, blocking out part of the image according to the user defined margins.



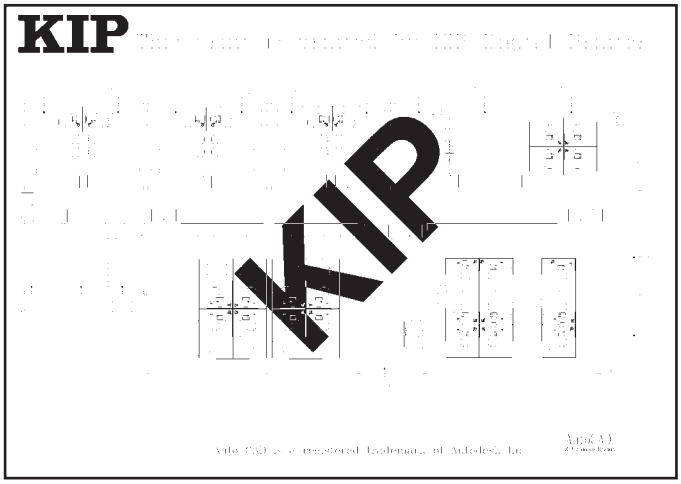
**Transparent**

Stamp is placed behind the image. The screening value will determine its intensity.



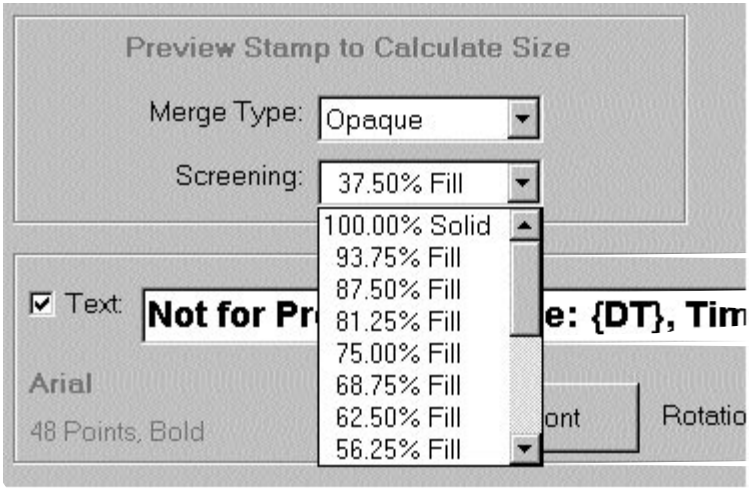
**Invert**

At every intersection of the image, the stamp will invert itself.



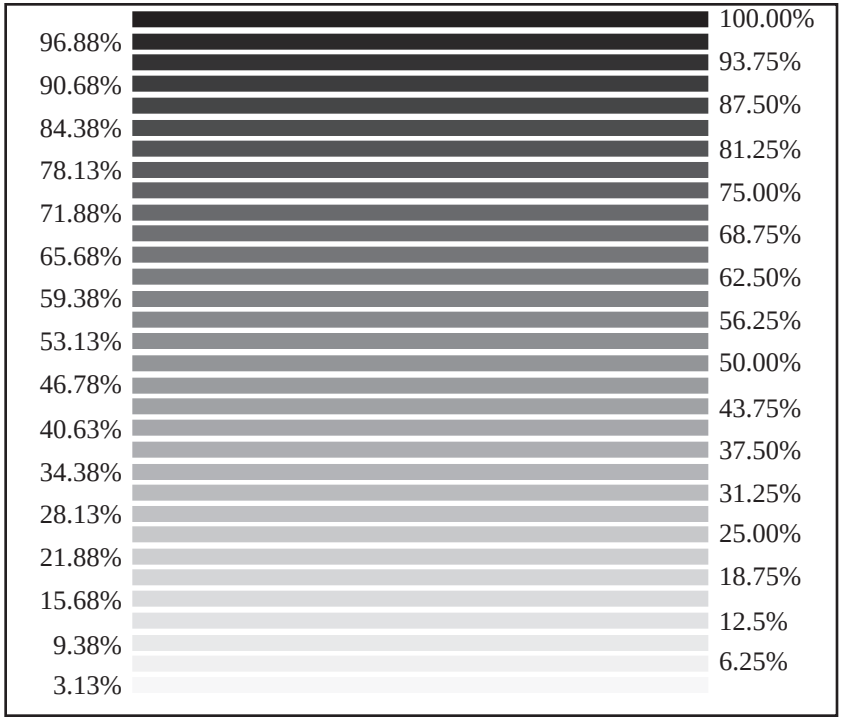
**Screening**

The screening pull down menu deals with the intensity in which the stamp will be printed



**Screening**

The 32 levels of Gray available are demonstrated in the following chart:



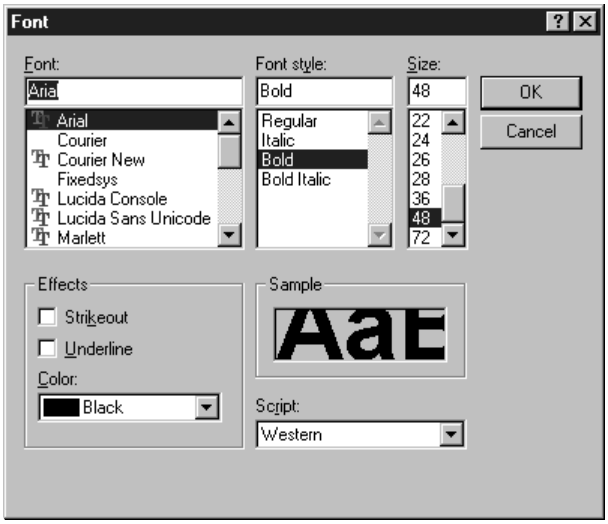
**Text**

When this box is checked, the user is defining a **Text-Based Stamp** to be printed on the image.

When using the Text Stamp option, the user can enter the desired text, set type macros (see more later in this chapter) for print or use a combination of both.

**Set Font**

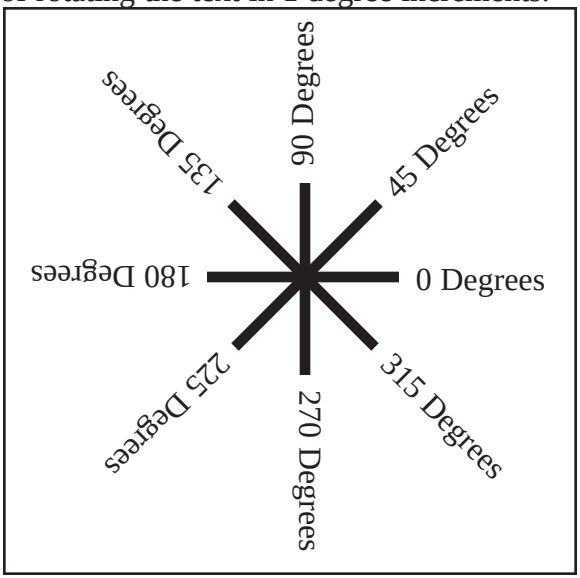
The user has the ability to choose most any font in their system and define its characteristics. For more information regarding fonts, please refer to your computer's manual.



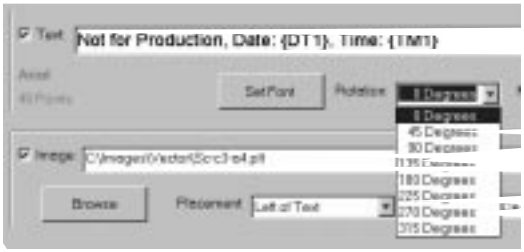
**Text (cont.)**

**Rotation**

In addition to setting the type of font used, the user also has the option of rotating the text in 1 degree increments.



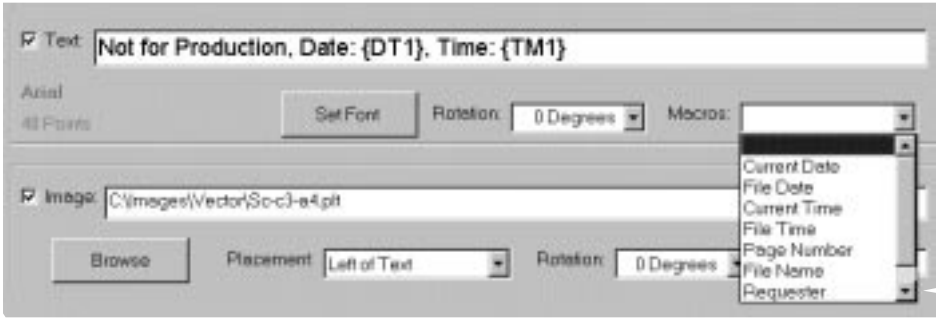

To set these parameters, single click on the arrow to the right of **Rotation**. The following dialog box will appear:



**Text (cont.)**

**Macros**

Text Macros are a way for the user to stipulate certain file attributes, like date, time, etc..., are automatically stamped on the print. To use this option, single click on the pull down arrow to the right of the Macros menu.




For example, Selecting **Date** will place {DT} in the text box where {DT} will become today's date.

**Image**

It is also possible to use an image, i.e. company logo. For this option, the user must first check the box titled **Image.**

Any of the accepted image formats (HPGL 1&2, Calcomp 906/907, Tiff Group 4 and Cals Group 4) may be used as a stamp.

Clicking the **Browse** button will enable the user to search the computer's drives.

**Image (cont.)**

**Placement**

If using both an **Image** and **Text** stamp, the Placement dialog box will become active. Using the pull down menu under the arrow, the user must decide how the two parts of the stamp will coincide. The choices are as follows:

Left of Text
Right of Text
Above Text
Below Text

**Rotation**

Unlike the text rotate option, the image rotate option will only allow for 0, 90, 180 and 270 degrees. This option is set using the pull down arrow.

**Margin**

Distance between the image portion and the text portion of the stamp.

**Preview a Stamp**

Once all parameters have been set, the user can press the **Preview Stamp** button to see exactly what the stamp will look like. If a Text & an Image stamp are chosen, the preview function will show each separately. To toggle between the two, use **Ctrl-Tab**.

**OK**

When everything is complete, press OK to return to the Request Main Menu. To cancel the Stamp process, press **Cancel.**

**Creating an Image to be used as a Stamp**

**1) Scan a Picture** as a tiff using the KIP Scanner.

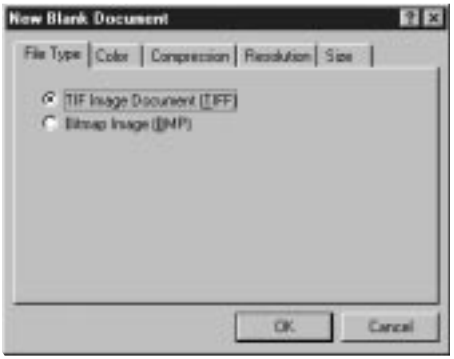
**2) Take the Picture into the Wang Editor** (or any editor) software.

**3) Crop**


Crop desired image...**Edit...Cut.**

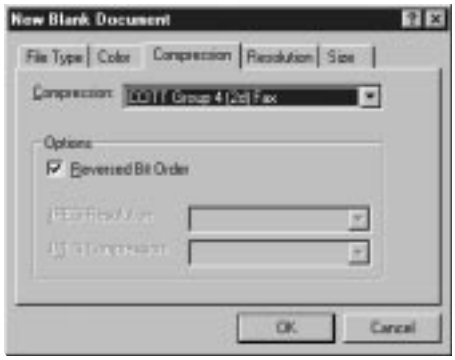
**4) File...New** from the main menu to open a new, blank document.

**5) Set File Type to Tiff.**

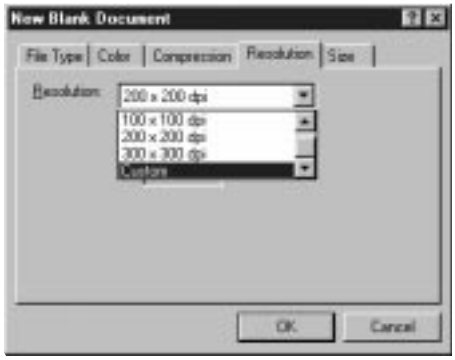


**Making a Stamp (cont.)**

**6) Set Compression to CCIT Group 4 (2d) Fax.**

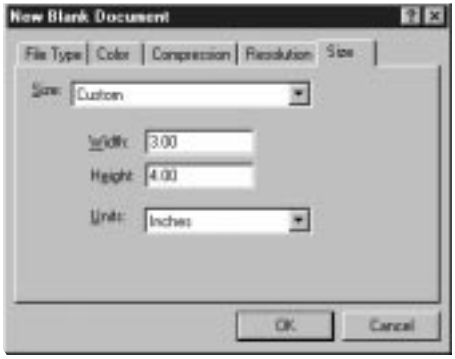



**7) Set Resolution to Match Scanning Resolution.**



**Making a Stamp (cont.)**

**8) Set Size to Exact Size Desired for Stamp**




**9) OK...Edit...Paste** to place the Picture into the New File.

**10) File...Save.** Name the file and save it to the drive and folder desired.

## Setup

### Network Installation of Powerprint Request

There are two paths to follow during the installation of the Powerprint Request.

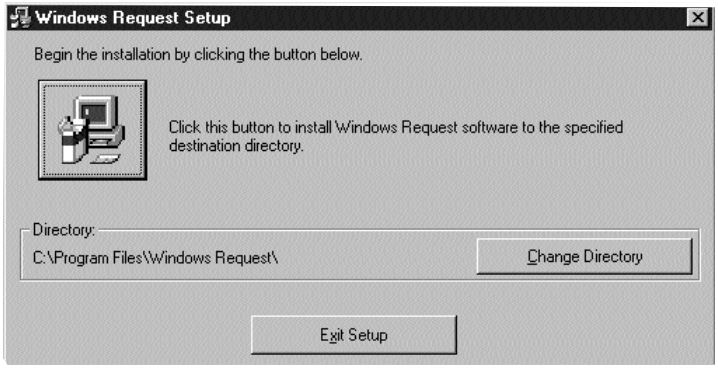
1. For multiple users in a network environment who will take advantage of the Request and Job Number pull down lists for Project Management. (see page 59).

There are two fields within the Main Menu of Powerprint request that can be configured to require users to select job information from a pull down list or enter information before a print request is approved. (see page 59-61) The "pull down" list is kept in an encrypted portion of the Winreq.ini and only users with the Master Password can modify it. There are special instructions for installing the Powerprint Request so that the same Winreq.ini is set up on a network drive that all users have access to as well as a user with the Master Password. This way, the users with the Master Password are the only ones updating or changing one Winreq.ini that contains the list of projects, user names, job numbers, or whatever you have setup these pull downs to reflect.

This method of installation also facilitates easy software updates. Since the Powerprint Request is installed on your network server there is only this computer that needs to be updated when KIP America releases new software, not each individual PC. Note: While we are installing this onto a server, you still need to perform the installation from each PC on the network to the same drive and directory on the server. This is due to the fact that there are many DLL, OCX and other driver files that must reside on the PC you are intending to run the Powerprint Request software from.

**Network Installation of Powerprint Request (cont.)**

A. Decide on a Network Drive and directory that all users utilizing the Powerprint Request will have access to, such as F:\KIP Request. It is important that the Drive letter stay consistent from one PC to the next. Choose **Change Directory** during installation.




B. Go to the first PC that will be accessing the Powerprint Request from the server.

C. Insert KIP America Ghost CD that contains the Powerprint Request Setup Program or you may copy the complete Powerprint Request Setup folder onto your server then simply access it from each workstation.

D. Run Setup

E. When prompted, override the default drive and path that the Request is installed into and enter the one chosen in step A.

**Network Installation of Powerprint Request (cont.)**

F. Immediately run the program after installation and enter a master password then exit the Powerprint Request software. The Master Password will be encrypted into the F:\KIP Request\Winreq.ini (or whatever drive and folder you chose). This Master Password will be used to add/delete entries from your Request and Job Number pulldowns.

**Additional Changes to Winreq.INI.**

There are some additional changes that need to be made to the Winreq.ini file. This file is used by the Powerprint Request program to load and save information about the job request and is also used during start up of the Powerprint Request program. It is best to make these changes in the INI then make a back up copy, as subsequent installs at other PC's into the same folder will overwrite this file. When making future changes to the Winreq.ini, be sure that all users have exited the Powerprint Request software on the network.

G. In the Winreq.ini change the **SaveRequest=** to **False**. This is normally used to remind the Powerprint Request where the user last made a request from. This feature cannot be used in a network environment and must be turned off. It is not possible to have multiple users saving information to this file at the same time.

H. In the Winreq.ini, change the location of the default Pen Table to a location that all users will have access to the same pen tables. Edit the line that reads LastPen= by setting it to a drive and directory that all users have access to. If this is not set correctly then the Powerprint Request will freeze when trying to run it.

**Administrative Setup (cont.)**

**Network Installation of Powerprint Request (cont.)**

I. In the Winreq.ini change the TempDir = to something that exists on all the PC's in the network. TempDir=C:\Windows\Temp is very common.

J. In the Winreq.ini change the following to match your KIP printer as set in the Powerprint Unattend directly at the Powerprint Controller.
RequestDir0=
StatusDir0=
MachineType=

K. Install the Powerprint Request onto the next PC but remember to enter the same drive and directory when prompted as you install to the network server. Once you have installed the Request on that PC restore the backup copy of the Winreq.ini that you setup in steps F-J and check to be sure that Request runs at that PC before moving to the next.

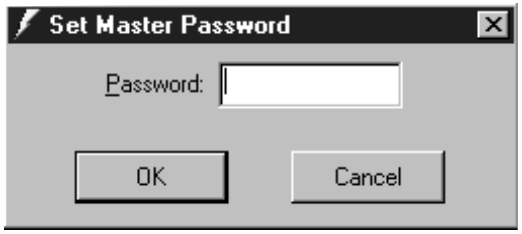
**Stand-alone Installation of Powerprint Request**

2. For users either in a network or stand alone environment that do not wish to take advantage of the Project Management functions in the Powerprint Request software, simply follow the standard install procedure.

**Administrative Setup (cont.)**

**Master Password**

Upon launching the KIP Requester software for the first time, a dialog box will appear allowing the user to define a master password.

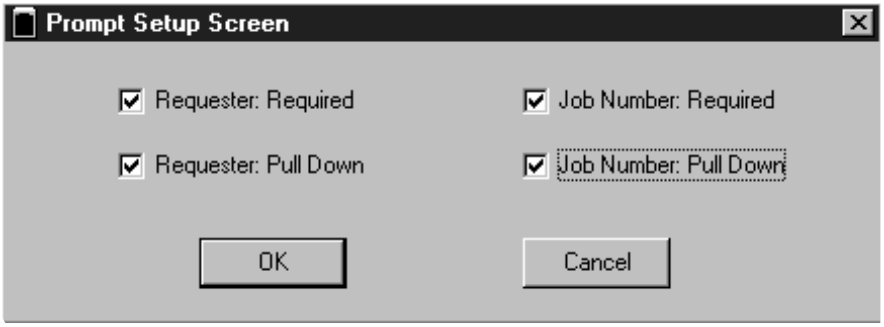



This password should be set by the main administrator of the software and be something easily remembered.

The Master Password is used to control categories under the **Requester** and **Job Number** fields on the main screen. This way, the controller of the software can accurately track how many plots are being made for specific jobs as well as who requested them.

**Prompt Setup**

Under the options menu on the main screen is the **Prompt Setup** item. When chosen, the following screen is displayed:




☑ **Requester: Required** - makes entry mandatory

☑ **Requester: Pull Down** - Allows user only to select items from the pull down menu

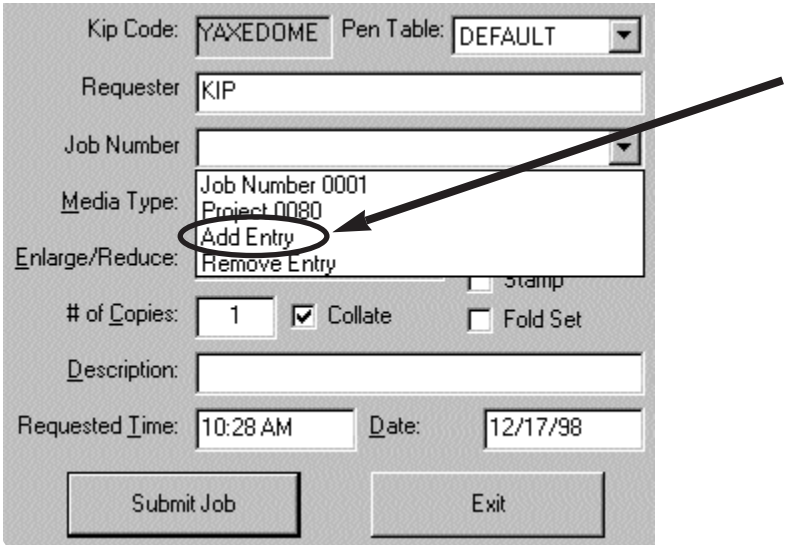
☑ **Job Number: Required** - makes entry mandatory
☑ **Job Number: Pull Down** - Allows user only to select items from the pull down menu

**NOTE:**
Both the Requester and Job Number fields can be retitled by defining them in the WinReq.ini. For more information, refer to Winreq.ini at the end of this manual.

## Adding an Entry

To **Add an Entry**, the Manager must first activate the **Pull Down** option of the Prompt Setup Screen (see previous page).

Next, using the pull down arrow to the right of the field, the user must select **Add Entry** from the available options.

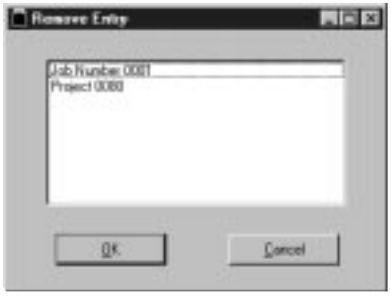


**Adding an Entry (cont.)**


Here, the manager has the ability to enter a **Name** for the entry. A password may (leave password field blank if not needed) also be used to protect certain file names. Once entered, this new category will appear as an option in the fields pull-down menu.

**Removing an Entry**

Choose **Remove Entry** from the pull down menu.

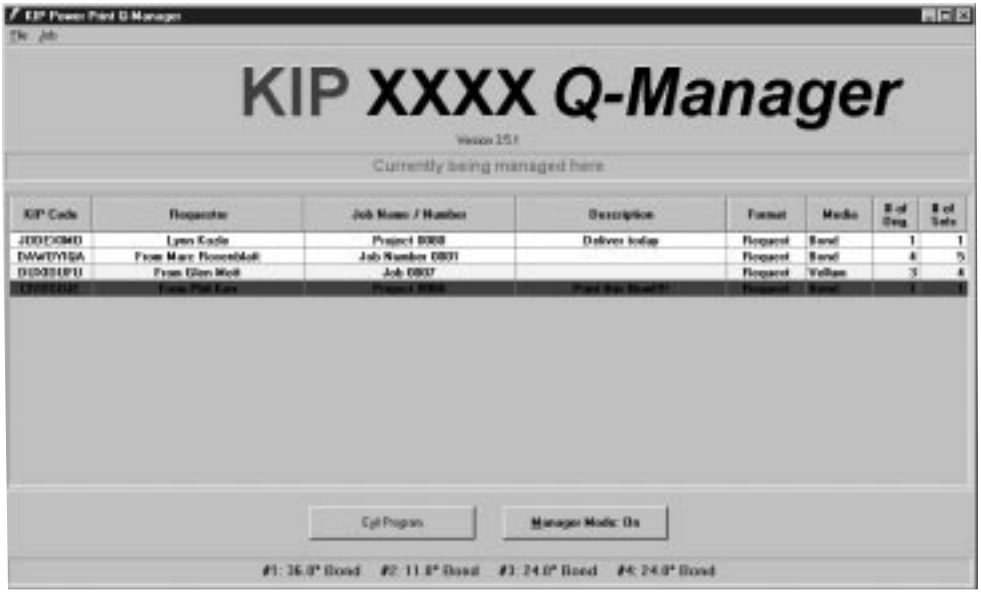



Simply select the item to be deleted and click OK.

# 4. KIP Q-Manager

**KIP Q-Manager**

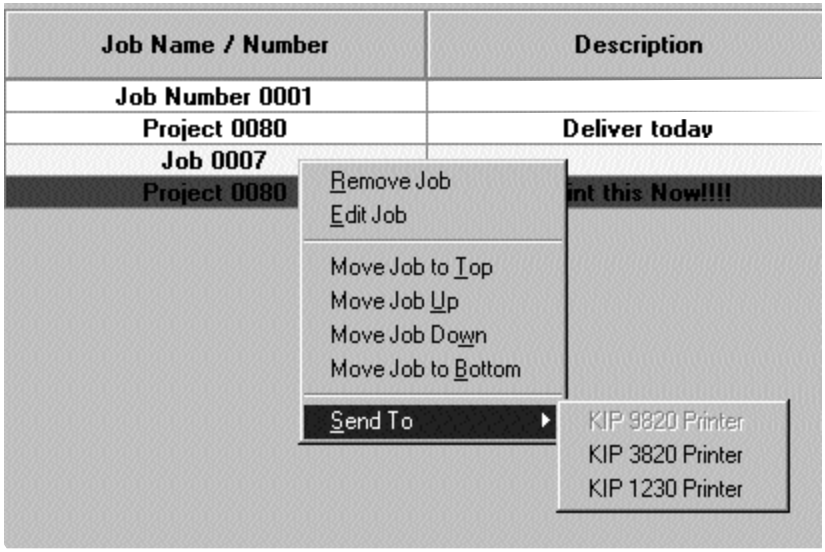
By clicking the Manager button in the Unattend Screen, the user will have complete control of the plot queue from a remote workstation.



## Manager Options

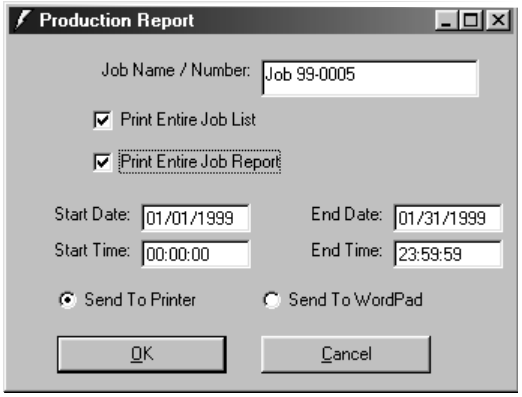
Once in the Manager mode, the user has the ability to manipulate the order of queue. In addition, the user can direct a job to be printed on any of the available KIP Printers.

Right clicking on the desired job for manipulation will display these options.



## Printing Reports

When entering jobs for print, the user will define a Job Number/Name (if required). This field can be called on to print a daily, weekly or monthly report.




**Job Name/Number -** Enter the desired job name/number, **exactly as it is used in the Request software**, to print a detailed usage list containing information like total square footage, date, time, etc...

**Print Entire Job List** - Print a list of all assigned job names/numbers. (**Note:** this keys on the second field in the requester software, default job number)

**Print Entire Job Report** - Prints a separate list of every job number's complete usage.

The user will then select the start and end time and date of the desired report and click OK.

**Manager Mode**

If the Main Administrator of the software has set up the Manager mode to be password protected, only that person will have the ability to manipulate the queue and print reports.

All users, however, will be able to view the main Manager screen, albeit an unusable one. (This can only be used if the Q-Manager has been installed on each computer.) The top of the screen will define where management is currently taking place.

# 5. KIP Unattended

**KIP Plotter**

The KIP Plotter is a direct plotting device designed to work in the unattended mode. Basically, the Plotter can be thought of as a print queue, accessible from both the main controller unit and all computers on the network.

Once the Plotter application is launched through the KIP Controller , the unattended plot queue is displayed. It displays information regarding the origination and content of each request through color-coded listings.

In addition, the user can select the **Configuration** button to amend the preset default settings involving Monitor Paths, Pen Table settings and miscellaneous options such as media and unit specifications.

Finally, clicking on the **Manager Mode** button allows the user ultimate control of moving, deleting and prioritizing jobs in the queue.

**KIP Plotter**

Initiate the KIP Plotter through the Powerprint Unattend Icon. In addition to displaying the current available media at at the bottom of the screen, the plot queue lists the current and pending jobs. Color-coded for accuracy, the list is easily understood.

**Color-Coding for the Queue**

**Red** - indicates the current print job
**White** - indicates the job is waiting for its turn to print
**Yellow** - indicates the job is being held due to improper medium
**Blue** - indicates the job has been scheduled for a specific time

**KIP Plotter**

The following plot job parameters are displayed on the KIP Plotter menu:

**KIP Code**

Job name lists:
1. The name assigned to the print file at its initiation in the Requester.

or

2. The name of the file retrieved from the Vector Monitor Path or the Raster Monitor Path

**Requester**

Requester identifies the person who initiated the job from the KIP Request software. If the job is a raster or vector file, this field may also identify the monitor path from which the file was retrieved.

**Job Name**

This field displays the information entered as a job number or distribution instructions in the KIP Requester.

If the plot is an individual vector or raster file not sent by the KIP Request software, this field will contain no data.

**KIP Plotter**

**Description**

Allowing the initiator of the plot to accurately explain the document set for print, the Description field is simply an extra field available when using the KIP Request software.

When the plot comes from a vector or raster file and not the KIP Request software, the Description field is left blank.

**Format**

The format field identifies the job as a vector, raster or request plot. The path from which the file was retrieved determines this information.

**Media**

If a plot was initiated from the KIP Request software, the Media field identifies the specific media requested for that job.

If initiated from the Vector or Raster Monitor path, the default media, preset in the Miscellaneous - Configuration option, will be listed.

Plot jobs submitted through the Raster or Vector Monitor paths do not specify a media type. As a result, files retrieved from these paths will utilize the Default media established in the Configuration menu.

**KIP Plotter**

**# of Originals**

This field identifies the number of files contained in the plot job. For jobs originating from the Vector or Raster Monitor path, the number of originals listed is the default value, 1.

**# of Copies**

This field identifies the number of copies to make of each plot job. For jobs originating from the Vector or Raster Monitor path, the number of originals listed is the default value, 1.

**Header**

To specify the location and appearance of the header, refer to the Configuration - Miscellaneous option.

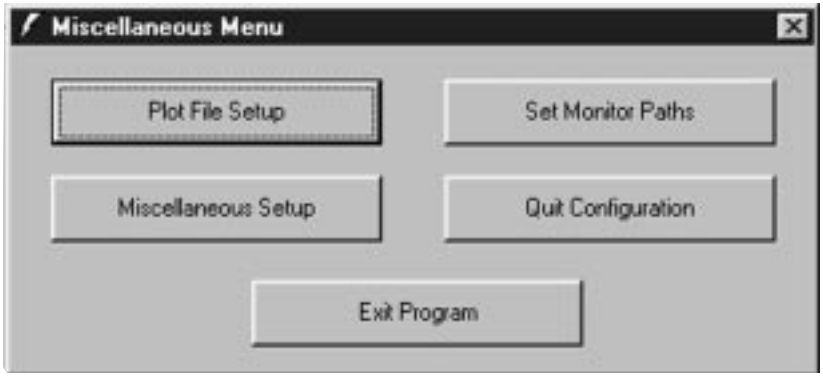
## Configuration

The KIP Plotter also provides the following functions:

Accessing the configuration dialog box allows the user to modify and amend the preset default settings involving monitor paths, pen table settings and miscellaneous options such as media and unit specifications.

In addition, the system administrator can establish Configuration as a **Password** protected option. Once a password is established, a dialog box, requesting the password, will appear before the configuration settings can be adjusted.

The configuration dialog box is displayed as:

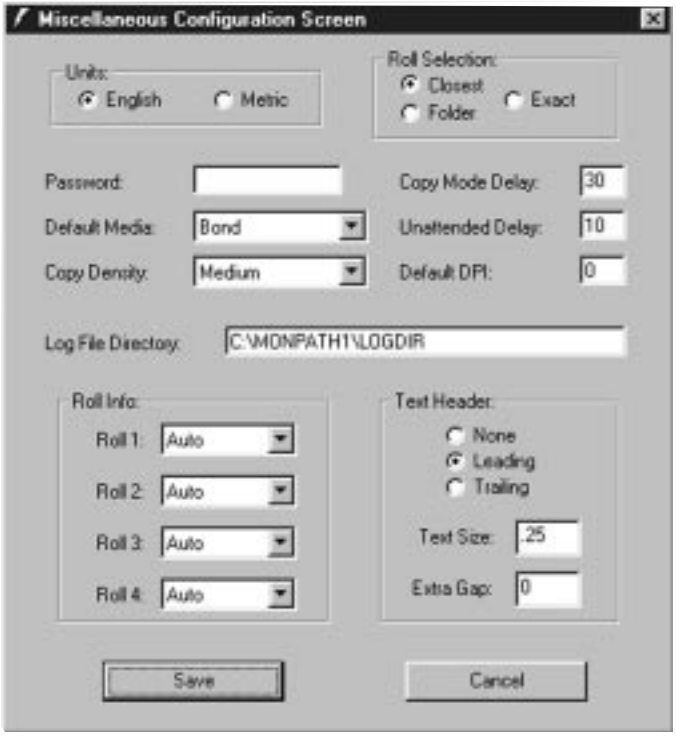


**Plot File Setup**

For information regarding the Plot File Setup screen, refer to that section in this manual.

## Miscellaneous Setup

Selecting the Miscellaneous Setup button will display the following dialog box:



**Miscellaneous Setup**

The following parameters can be set using the Miscellaneous Setup:

**Units** ⊙English ○Metric

The English/Metric option allows the user to change all English numeric values on the menu screens to Metric and vice-versa. Select the desired units for the appropriate display.

**Roll Selection** ○ Closest ⊙Exact ○ Center ○Folder

This option allows the user to manipulate which size Media is used.

**Closest** means that the plotter will automatically pick the roll of media closest to the proper size necessary. It will use the exact size if available but will select next best option if necessary.

**Exact** means the plot will only be completed with the exact size media. If it is unavailable at the time of printing, the user will be immediately notified.

The roll holding the proper media, specified in the KIP Request Software, will be automatically activated by the KIP Plotter provided it is available. If, however, the specified media type is not loaded in the KIP Plotter, the job will appear highlighted in yellow in the print queue.

**Center** will center all images across the width of the roll.

**Miscellaneous Setup**

**Roll Selection cont.**

**Folder** refers to the plotters' folding ability upon attachment of the optional folding equipment. If this option is available and selected, the plot will be printed very specifically to allow for neat folding. This may involve the automatic rotation of the plot before print.

**Password** [ ]

This is the area where a select user can enter a password, enabling only that user access to the configuration panels. Enter the password desired and press save. From that point on, any time the Configure button or Manager Mode button is pressed, the Password will have to be entered.

To eliminate the password, it first must be entered, to gain access to the Miscellaneous Setup screen, and then deleted and re-saved.

**Miscellaneous Setup**

**Default Media** Bond ▼

The default media is used when no specific media type is chosen for a plot file. Therefore, the media entered in this field will be used for all plot files originating from the KIP Request software with no media chosen as well as all Vector, Raster and Monitor Path originated files.

**Copy Density** Medium ▼

This option refers to the lightness and darkness of a finished plot file. Select the desired density by clicking the arrow and highlighting the proper option. This overrides values set by the service mode of the printer.

**Copy Mode Delay** 30

This field allows the user to set a limit on the amount of time the KIP Plotter will wait for copier activity to commence. It is set so that once a user switches the KIP Plotter to Copy Mode, all other operations will be delayed while the machine is used for copying functions. If no copying takes place within the specified time, the KIP Plotter returns to the unattended mode.

**Unattended Delay** 10

This field allows the user to set how often the KIP Controller monitors the network paths for print files. The default value, set at 10, calls for the KIP Controller to check the paths every five seconds.

**Miscellaneous Setup**

**Default dpi** ○

This field allows the user to enter a default resolution at which the raster files will be printed. By setting this option to **0**, the KIP Plotter will automatically attempt to read the desired dpi from the raster file.

**Log File Directory** C:\MonPath1\LogDir

This field specifies where a monthly Log of the Unattended Plot Queue activity is automatically created and stored. The total square footage of a plot job is calculated and reported here. This logfile can be directly imported into software such as MS Excel™ and Lotus™

**NOTE:** If the user changes the Log File Directory destination in the KIP Plotter software, it must also be changed in the Request configuration files (C:\PROGRAM FILES\WINDOWSREQUEST\WINREQ.INI

**NOTE:** A separator page containing information such as sq. ft., number of copies, date printed, etc... can be produced upon completion of a print job by defining it to be active in the WinUntd.ini (variable is separator page=). This page is useful as a job information detail sheet or as a simple separator page. For more information, refer to the ini files section at the end of this manual.

**Roll Info.** Auto ▼

This option is used to select the media type for each roll in the KIP Plotter. A single click on the corresponding arrow button allows the user to select the proper media (bond, vellum or film) for each roll. The pulldown menu allows the user to set unusual or unique paper types to control departmental printing. Leaving it set to **Auto** allows the controller to read the media set by the printer control panel.

Double click or highlight and press enter after choosing which form of media is desired.

**Miscellaneous Setup**

**Text Header**

This field is used to select whether or not the user desires the information defined in the Requester and Distribution fields to be printed on the document.

- **Leading** prints the information on the leading edge of the document
- **Trailing** prints the information on the trailing edge of the document
- **Text Size** allows the user to determine the size of the printed text
- **Extra Gap** allows for extra space between the information and the document

**NOTE:** Leading & Trailing options must also be set in the Powerprint Request software (C:\PROGRAMFILES\WINDOWSREQUEST\WINREQ.INI

**Save**

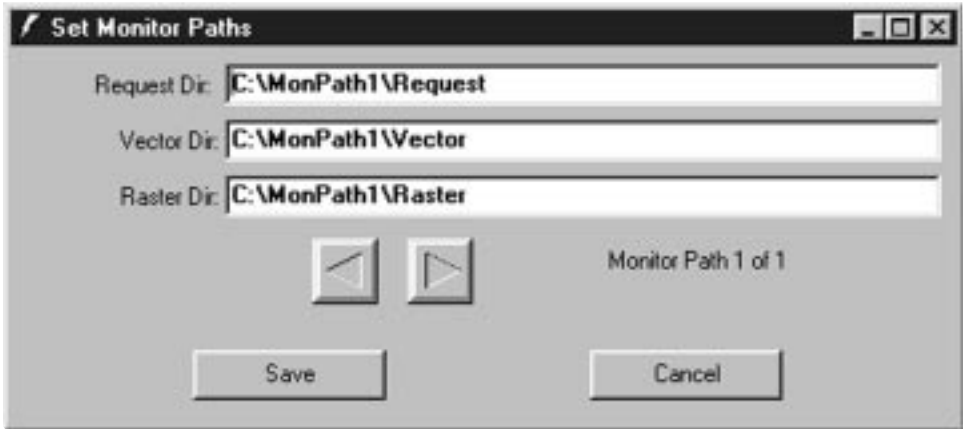
To retain any modifications made to the Miscellaneous Setup, click Save.

**Cancel**

Select Cancel to return to the Configuration menu without saving changes.

## Set Monitor Paths

Set Monitor Paths allows the user to specify the network/directory path the KIP Controller will monitor for print files.




Print files can originate from three different sources. Each source must have a directory/path name:

The **left & right arrows** refer to additional sets of paths available to for the user.

**Request Directory** C:\MonPath1\Request

This identifies the directory where the plot jobs originating from the KIP Request software are sent.

**Set Monitor Paths**

**Vector Directory** C:\MonPath1\Vector

This identifies the directory where the CAD plotfiles and PS & PDF documents are sent for plotting. This directory consists of the following files:

HPGL
HPGL/2
Calcomp 906
Calcomp 907
PS (opt)
PDF (opt)

***Note**: While in the unattended mode, the user can simply drag and drop files in the Windows Explorer and they will print. Drag and drop **HPGL, HPGL2 and Calcomp files into the Vector Monitor Path.**

**Raster Directory** C:\MonPath1\Raster

This identifies the directory where raster files are sent for plotting. This directory consists of the following files:

CALS Group 4
TIFF Group 4
PCX (monochrome)
TLC

Enter the appropriate directory/path in each field.

Files from the KIP Jet Windows Driver are temporarily copied in this directory.

***Note**: While in the unattended mode, the user can simply drag and drop files in the Windows Explorer and they will print. Drag and drop **TLC, CALS Group 4, Tiff Group 4 and PCX files into the Raster Monitor Path.**

**NOTE:** If the user changes the Log File Directory destination in the KIP Plotter software, it must also be changed in the Request and Manager configuration files.

Select **Save** to save the information. Select **Cancel** to return to the Miscellaneous menu without saving changes.

**Quit Configuration**

Selecting this button takes the user back to the main Plotter screen.

**Exit Program**

This option allows the user to exit the KIP Plotter program and return to the Desktop.

If not yet ready to exit the program, the user can select Quit Configuration and then quit the program later by clicking on the X in the upper right hand corner.

## Copy Mode

By clicking on the Copy Mode button at the bottom of the Plotter Screen, the user can temporarily exit the Unattended Plot Queue and use the KIP Plotter as a copier. Once this option is selected, a dialog box appears indicating the change in mode.

The parameters for the Copy Mode were set in the Configuration-Miscellaneous Menu and contain information such as how long will the Unattended Software stay in the Copy Mode. If copies are not made within this specified time period, the Plotter will resume with the print queue.

Press **ESC** when finished making copies to return to the KIP Plotter Menu.

## Manager Mode

The Manager Mode can be turned on or off by clicking the button to the desired selection. Once it is enabled, the user is able to modify specifications of documents in the print queue.

**NOTE:** If the password protection has been activated, the user will have to enter that password upon clicking to Manager Mode On.

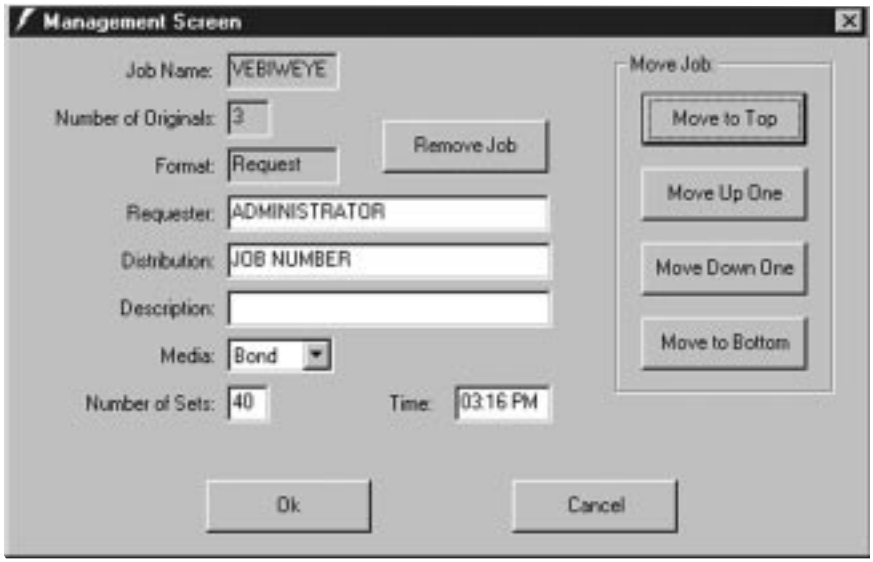
If clicking on the current document set to print, the one at the top, the following screen will appear:


Once this screen is displayed, the user can choose to:

- **Remove Job**, which will cancel the printing and take the job out of the queue
- **Pause After Set**, which will pause the Plotter after the current set of documents is finished printing
- **Pause After Job**, which will pause the Plotter after the entire job is done printing
- **Cancel**, which will do nothing to the current job's status and take the user back to the Plotter's main screen.

**Manager Mode**

If clicking on a job other than the current one, the following screen will appear:




This screen will allow the user to not only change some of the printing specifications but also the job's priority in the queue.

**Manager Mode**

By placing the cursor in the appropriate field, the user can modify the **Requester, Distribution** and **Description** information as well as the **Media** used. Also, the user can change the **number of sets** being printed and the **time** they will print.

In addition, by clicking any of the buttons on the right side of the screen, the user has the ability to change the documents place in the queue.

**Move to Top**

This will move the job to next in line in the queue.

**Move Up One**

This will move the job up one place in the queue.

**Move Down One**

This will move the job down one place in the queue.

**Move to Bottom**

This will move the job to the bottom of the queue.

When finished using the Manager Mode, click **OK** for changes to take effect or **Cancel** to return to the Plotter's main screen.

**Roll Trimming**

If trimming a paper roll is necessary, due to damaged edges of first print, the user can automatically trim the edges using the f1 - f4 keys. F1 corresponds to the roll 1. F2 corresponds to roll 2, and so on.

The amount trimmed is defined in the Unattend.INI - Blank Print option.

# 6. Plot File Setup

**Pen Table Setup Screen**

Selecting this option will display the Pen Table Setup dialog box which allows the user to specify plotting parameters for pending plot jobs.

Most of the time, the proper pen data is defined in the plotfile of the application used to create the document. In this case, it is not necessary to modify the Pen Table Setup. However, in such cases where the plotfile does not contain the proper pen settings, this dialog screen will assist the user. One such example is with the HGPL plotfile, which does not define pen thickness. This option is set manually, by the user, in the Pen Table Setup screen.

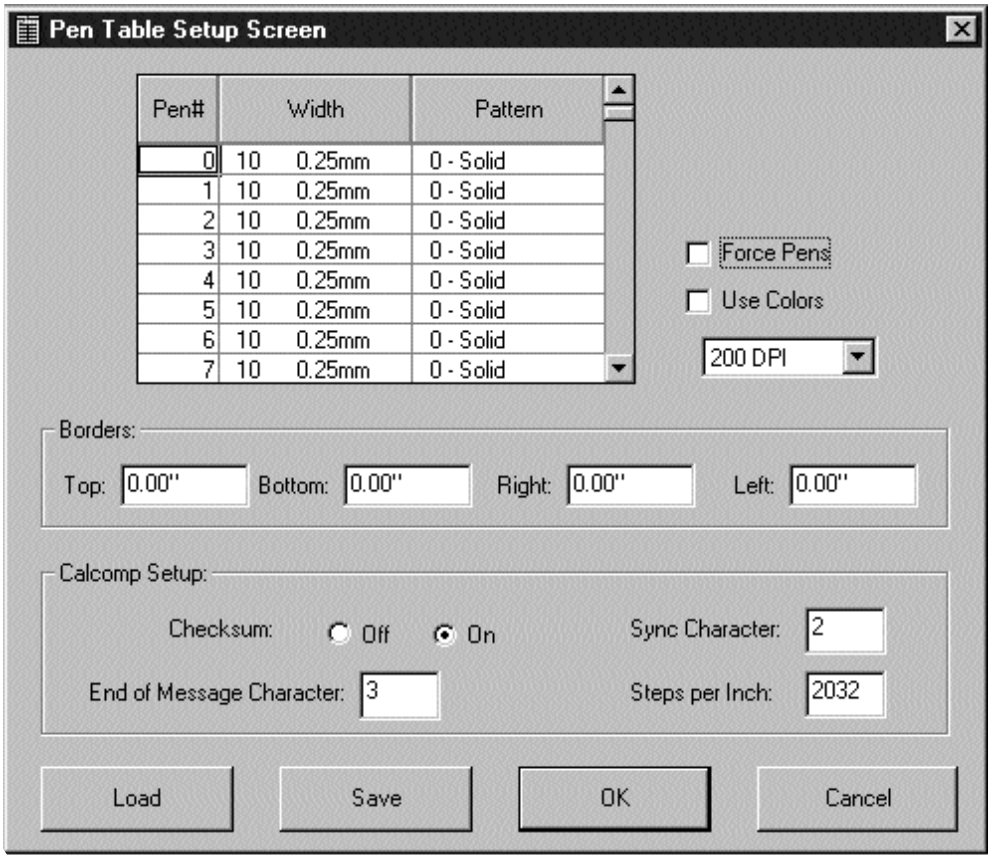
To get to the Pen Table Setup Screen while in **Windows Request**:

> Choose **Options** from the pull down menus at the top and then select **Pen Table Setup.**

To get to the Pen Table Setup Screen while in **Powerprint Unattend**:

> Choose **Configuration** from the options displayed and then select **Plot File Setup.**

**Pen Table Setup Screen**



☐ **Force Pens**

Selecting Force Pens directs the plot file to access the current, displayed Pen Table instead of utilizing the files own pen data. This option is used to bypass the files built in settings.

☐ **Use Colors**

Selecting Use Colors will enable the plot file to print the pen color assignments specified in the plot file.

**DPI Resolution** 200 DPI ▼

Resolutions of 100, 200, 300 and 400 dpi are available. The lower the dpi, the faster the plot. Note, however, as the dpi is decreased , the resolution is also decreased. Plot conversion time is reduced by 25% at 300 dpi, 50% at 200 dpi and 75% at 100 dpi.

To select the desired dpi, click the arrow button and scroll down to the appropriate resolution.

**Save/Load Pen Tables**

Pen tables can be named and saved for quick retrieval when printing plot files. Containing information regarding Pen Width, Pen Pattern, dpi, Force Pens, Use Colors and Border Thickness, this option makes custom printing very efficient.

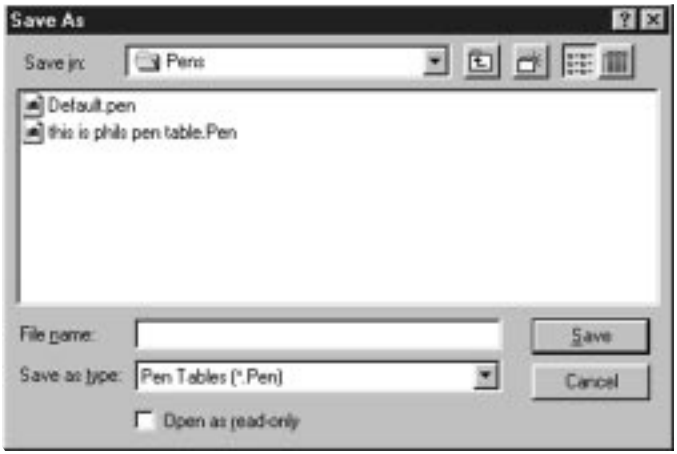
**Save**

After the appropriate settings have been defined, the user can select the Save option. In the dialog box, the user is asked to name the file as well as defining where it should be placed. Although a default file is already set, the user can redefine the destination.

**Load**

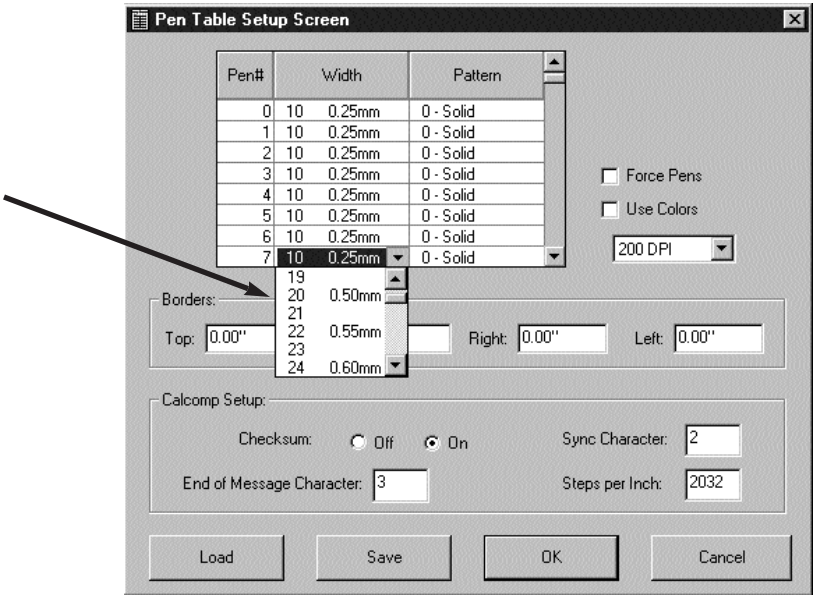
When this option is selected, a list of previously saved files, in the default destination, is displayed. With a double click on the desired file, the settings are loaded.

As certain tables are shared by network users, the **Read Only** option can be selected to prevent confusion.



**Edit Pen Settings** | **Pen** | **Width** | **Pattern** |

The user can edit the different settings specified for the pens either one at a time, as a group, in a range or all at once. This is done by clicking on either the Width or Pattern heading or a specific setting in either column to view the following pull-down menu:




**Changing Pen Settings**

A single click on the column or pen number you wish to edit reveals a pull down menu. Using the up and down arrows or the scroll bar at the right of the menu, the user can locate the desired pen number for editing.

**NOTE: Pen widths** range from .004" to .250" in .001" increments. Each whole number listed is equivalent to 1/1000 of an inch.

**Pen Settings**

- ♦ To select one pen at a time, the user simply clicks on that pen number.
- ♦ To select a series of pens (1-8), the user clicks on the first pen in the set and then holds down the **Shift** key while selecting the last pen in the set.
- ♦ To select a group of pens (1, 4, 8), the user clicks on the desired pens while holding down the **Ctrl** key.
- ♦ To select all pens, the user clicks either on the **width** or **pattern** heading while holding down the **Ctrl** key

**NOTE:** The user **MUST** continue holding the **Ctrl** key down (whichever is being used at the time) while making the appropriate changes in setting.

**Borders** left [0.00”] right [0.00”] top [0.00”] bottom [0.00”]

A border of up to **5.0”** can be set for any or all of the document’s sides ***prior*** to conversion. This allows the user to center or add binding edges to a plot. The appropriate border measurements should be entered in the spaces provided. Use **Tab** to jump from one to another.

**Calcomp Setup**

When a Calcomp 906/907 plot file is originated, the plot parameters are specified in the CAD file. These should be noted and reported to the plotting service bureau. In addition, these parameters must also be specified in the KIP Controller for the plot file to be printed.

**Sync Character, End of Message Character and Checksum** are set to indicate the beginning of a data message, the end of a data message and verification of transmission accuracy, respectively.

**OK**

Press **OK** when finished editing pen table settings.

**Cancel**

Select **Cancel** to avoid changes and finish with the pen table setup.

# 7. Troubleshooting

| ERROR/SYMPTOM | SUGGESTION |
|---|---|
| After installing the Windows Request software, it will not launch | Temp. Directory for writing temporary files does not exist. Request software uses **C:\T** as a default. This is set in **C:\PROGRAM FILES\WINDOWS REQUEST\WINREQ.INI** |
| Roll information at the bottom of the screen is not updated | Roll information is updated by the Plotter software running. Plotter software writes to **LOG DIRECTORY**, which is set in Plotter Software, Configuration, Miscellaneous Configuration. |
| Request does not show up in the Plotter software screen | **REQUEST MONITOR PATH**, set in **WINREQ.INI** may not match the one set in the Plotter software. Monitor paths are set in Plotter software, Configuration, Set Monitor Paths. **WINREQ.INI** is in **C:\PROGRAM FILES\WINDOWS REQUEST** |
| How can I change the Prompt header on the Request screen | In **C:\PROGRAM FILES\WINDOWS REQUEST**, edit the **WINREQ.INI** and change the variable **PROMPT=** to read as desired. |

| ERROR/SYMPTOM | SUGGESTION |
|---|---|
| File did not print | Check log file for error in **LOG DIRECTORY**, which is set in Plotter Software, Configuration, Misc. Configuration.<br><br>Plotfile could be larger than 36” wide. Use Import/Export to convert manually and check size through Request. In Request, use **View/Info** to show size of TLC File **or** use Force Size in Request to force 36” wide by proper length. |
| When starting the Plotter Software, error reads “Unable to write out roll information.” | Plotter software is unable to write out the roll information to the **LOG DIRECTORY.** Powerprint Controller must have rights and access to **LOG DIRECTORY**, which is set in Plotter software, Configuration, Misc. Configuration. |
| How do I send Vector Plotfiles to the Plotter without using the Request software? | Using the Windows Explorer, drag Vector Plotfiles (HPGL, HPGL/2, Calcomp 906/907) to the **VECTOR MONITOR PATH**, which is set Plotter Software, Configuration, Set Monitor Path. |

| ERROR/SYMPTOM | SUGGESTION |
|---|---|
| How do I send Raster files to the Plotter without using the Request Software? | Using the Windows Explorer, drag raster files (Cals Group 4, Tif, TLC, PCX) to the **RASTER MONITOR PATH**, which is set in Plotter Software, Configuration, Set Monitor Path. |
| How do I set the Request so that selecting the title bar will change from one printer to the next? | In **C:\PROGRAM FILES/WINREQ.INI**, under the **MULTIPLE PRINTERS** section, copy the three lines:<br>Request dir=1<br>Statusdir=1<br>Machinetype=1<br><br>Change the Requestdir to match the **REQUEST MONITOR** path set in the Plotter software you want to send a request to. Change the Statusdir to match the **LOG DIRECTORY** set in the Plotter software. Change the Machinetype to match the Plotter that you want to send a request to or change this to any text you want such as 3620-1. |

| ERROR/SYMPTOM | SUGGESTION |
|---|---|
| Can a job ticket be created manually or by my EDM? | The job ticket that the Request software sends can be created outside the software by experienced programmers. Less experienced programmers can use an ASCII text file with a conversion program (ASC2KIP.EXE) from KIP technical support to convert the ASCII file to the Binary file that the Plotter software can understand. Documentation is available on the structure of the job ticket that the Request software sends from KIP technical support. |
| How are the Pen Settings controlled in the Plotter Mode? | If sending from the KIP Request software, the Pen Table is set in the Request software.<br><br>If sending individual files to the **VECTOR MONITOR PATH** than the Pen Table is controlled at the Controller by the Plotter Software. |

| ERROR/SYMPTOM | SUGGESTION |
|---|---|
| When printing a raster file through the plotter software, the size is incorrect. | If the image printed is incorrect by half a size or enlarged by two times than the DPI is being read incorrectly by the Plotter software.<br><br>If the DEFAULT DPI in the Plotter software is set to 0 (zero) then the Plotter software will try to read the DPI from the header of the Raster file (Tif, CALS Group 4, PCX) and then size the image accordingly. If DPI set in header of Raster file is incorrect or missing than you can manually set the DPI of incoming raster files in the **DEFAULT DPI** filed. This is set in Plotter software, Configuration, Misc. Configuration. |
| When I change the text header placement in the Plotter software it does not effect the images sent by the Request Software. | Change the text-header in Winreq.INI |
| How does the Plotter support Multipage plotfiles. | Removing the -1 from the **PROGRAM FILES/WINDOWS UNATTEND** variable **ADDHPGLCMD** the plotter will process Multipage Plotfiles. |
| When I change the **WINUNTD.INI, WINREQ.INI or WINSCAN.INI**, save the changes and then re-open the file, the changes I made are undone. | When editing any of the **INI** files the respective program cannot also be currently running |

# 8. Appendix

This appendix is for technical use only. The following INI files are used as configuration files for the KIP Powerprint Software Programs. Changes made to these files will affect how the programs run. There are some variables in the INI files that can only be changed in the INI file itself. There isn't any menu item in the software to make these changes. The INI files can be accessed from the Powerprint Diagnostics folder on the desktop of your Powerprint Controller. The files are for the following programs. Powerprint Unattend=WINUNTD.INI, Powerprint Scan=WINSCAN.INI, and Powerprint Request=WINREQ.INI.

EXPLANATION OF POWERPRINT SCAN CONFIGURATION FILE
C:\PROGRAM FILES\WINDOWS SCAN\WINSCAN.INI

The following are simply pointers to where the Executables reside for the Winscan.exe to locate.

[9820, 9815, 9810, 7090, 3820, 2900, 2035, 2030, 2010, CONFIGURATION]
[PROGRAMS]
ScanExe=C:\Programs\KipScan.Exe
File2TlcExe=C:\Programs\Mtf.Exe
ExportExe=C:\Programs\Mtp.Exe
Viewexe=c:\programs\ultrav.exe
EditExe=c:\program files\windows nt\accessories\imagevue\wangimg.exe
StatusExe=C:\Programs\KipStat.Exe

Debug=1
MachineType=3820
HardwareConnect=YES
Units=ENGLISH
ScannerSpeed=120
TempDir=D:\T\
MiniViewSize=1000,700
StripLeading100DPI=30
StripTrailing100DPI=35
StripLeading200DPI=60
StripTrailing200DPI=36
StripLeading300DPI=10
StripTrailing300DPI=30
StripLeading400DPI=0
StripTrailing400DPI=0
PrintExe=C:\Programs\KipPrnt.Exe
NumOfRolls=3
AutoModeViewDelayTime=2
Toyota=NO
RequestExe=C:\Program Files\Windows Request\WinReq.exe
UnattendExe=C:\Program Files\Windows Unattend\winuntd.exe

```
[GENERAL]
DataField=F

[SCANWIDTHSENGLISH]
Width1=36.0" E Size
Width2=34.0" E Size
Width3=30.0" D Size
Width4=24.0" D Size
Width5=18.0" C Size
Width6=17.0" C Size
Width7=11.0" B Size
Width8=8.5"  A Size

[SCANWIDTHSMETRIC]
Width1=914mm  E Size
Width2=841mm A0 Size
Width3=594mm A1 Size
Width4=420mm A2 Size
Width5=297mm A3 Size
Width6=210mm A4 Size
Width7=728mm B1 Size
Width8=515mm B2 Size
Width9=364mm B3 Size
Width10=257mm B4 Size

[OUTPUTTYPES]
Type1=TLC Tiled Format   -t
Type2=CAL CALS Group 4   -C
Type3=TIF TIFF Group 4   -T
Type4=PCX Monochrome     -c
```

[SCANDPI]
DPI1=400 DPI
DPI2=300 DPI
DPI3=200 DPI
DPI4=100 DPI

[EXTERNALPROGRAMS]
[PRINTERS]
RequestDir=C:\Monpath1\Request
PriorityDir=C:\Monpath1\PRequest

EditExe=
This variable in the INI allows a user to denote the Raster Editor that can be launched by the Powerprint Scan program when the Edit button is checked. When you launch the Editor after the scan you can use the features of your editor to: despeckle an image, deskew or add text. Of course, you must choose a format compatible to your editor, prior to scanning your original.

For example, the Wang TIF Viewer/Editor that comes with Windows NT 4.0 can be used in conjunction with the EditExe=. To make this change to your Controller: Reinstall the Accessory Imaging to your KIP Controller from your Windows NT CD.

Add the following line after the Viewexe= variable in the Winscan.ini
EditExe=C:\Program Files\windows nt\accessories\imagevue\wangimg.exe

Choosing an Editor
Of course if you have an editor of your own, simply type in the command line after the EditExe that will launch your particular editor. We have successfully tested this feature using the following editors:
Wang Editor, Spicer, Rasterx and Autoview. The Wang Editor is free to use with Windows NT but you may want purchase one that has more features.
Other editors will work provided they can be launched by a command line as shown above. Keep in mind that you must scan to a format that the editor can use and the editor must be able to save the file into a new TIF file for the changes to be permanent.

Printing from your editor
While using your editor you should also be able to print to the KIP Printer while the Powerprint Unattend Mode is active if you save or copy the resulting TIF file to the Raster Monitor Path. In addition, you can use the new KIPJet Windows Printer Driver to print directly from the editor.

MachineType=3820

This allows the user to set the Icon that will appear on the screen when the Powerprint Scan (WINSCAN.EXE) is run.

HardwareConnect=YES

When this software is used on an external system for demonstration purposes, set this to NO. This way the WINSCAN.EXE will not look for an Interface Board or try to communicate with the scanner.

Units=ENGLISH

Set to ENGLISH or METRIC. Metric mode will use the metric paper sizes listed below. English mode will use the english paper sizes listed below.

ScannerSpeed=120

Set to match the scanner speed, either 40, 120, or 160 mm.

TempDir=D:\T\

Set the directory to where the WINSCAN.EXE will write temporary files.

NumofRolls=3

Matches the number of rolls the printer can hold - 2,3 or 4.

[GENERAL]
DataField=F

Set to T or F. Set to T to display the Database Field on the main menu of the Powerprint Scan software. This field allows you to create indexing information for an Imaging Database, such as KIP Powerbase. The file that is created is called DATABASE.ASC and resides in the C:\PROGRAM FILES\WINDOWS SCAN directory.

[SCANWIDTHSENGLISH]
Width1=36.0" E Size
Width2=34.0" E Size
Width3=30.0" D Size
Width4=24.0" D Size
Width5=18.0" C Size
Width6=17.0" C Size
Width7=11.0" B Size
Width8=8.5" A Size

Set the paper widths available in the pull down menu on the main menu of the Powerprint Scan software.

[SCANWIDTHSMETRIC]
Width1=914mm  E Size
Width2=841mm A0 Size
Width3=594mm A1 Size
Width4=420mm A2 Size
Width5=297mm A3 Size
Width6=210mm A4 Size
Width7=728mm B1 Size
Width8=515mm B2 Size
Width9=364mm B3 Size
Width10=257mm B4 Size

[OUTPUTTYPES]
Type1=TLC Tiled Format  -t
Type2=CAL CALS Group 4  -C
Type3=TIF TIFF Group 4  -T
Type4=PCX Monochrome  -c

Set the Extension and listing in the pull down menu for the file types that you are ultimately scanning to. For instance, if you want the extension of the Cals Group 4 files to be GP4 instead of CAL, replace the CAL below with GP4 or simply add an additional Type with the new extension, name listing and program switch.

[SCANDPI]
DPI1=400 DPI
DPI2=300 DPI
DPI3=200 DPI
DPI4=100 DPI

Set the DPI's available in the pull down on the Powerprint Scan menu. You can add an odd DPI, such as 275 DPI by adding  DPI4=275 DPI.

Changes can only be made to the Powerprint Request configuration file while the software is not running. Changes can be made at the Powerprint Controller by selecting Powerprint Diagnostics, WINREQ.INI. If you are at a PC workstation then it will probably reside in C:\PROGRAM FILES\WINDOWS REQUEST\WINREQ.INI.

```
[GENERAL]
MultipleRequests=True
LocalRequest=True
SaveRequest=True

LastPen=C:\Program Files\Windows Request\pens\DEFAULT.Pen
LastDir=C:\

DefaultRequester=%UserName
DefaultDistribution=%Distribution
DefaultDescription=%Description
Prompt=Distribution
RequesterPrompt=Requester

TextSize=.2
TextPos=0

ExportExe=C:\Programs\Mtp.Exe
ViewExe=C:\Programs\ULTRAV.EXE
KipQVue=C:\Programs\KipQVue.Exe
Raster2Tlc=C:\Programs\MTf.Exe
Vector2Tlc=C:\Programs\MH2.Exe
CropExe=C:\Programs\CropExe.Exe
```

```
RecallDir=C:\Programs\RECALL
TempDir=C:\T

MiniSize=1000,720
Units=ENGLISH
AddHpglCmd=

[MULTIPLEPRINTERS]
RequestDir0=C:\Monpath1\Request
StatusDir0=C:\Monpath1\LogDir
MachineType0=2900

[CONVERTTYPES]
Type0=Group4 TIF R
Type1=Group4 CAL R
Type2=ZSoft PCX R
Type3=HPGL PLT V
Type4=KIP TLC R
Type5=Group4 GP4 R
Type6=Postscript PS V
Type7=Postscript EPS V
Type8=Adobe PDF V

[PAPERTYPES]
Paper0=Bond
Paper1=Vellum
Paper2=Film

[OUTPUTTYPES]
Type0=TLC Tiled Format   -t
Type1=CAL CALS Group 4   -C
Type2=TIF TIFF Group 4   -T
Type3=PCX Monochrome     -c
```

EXPLANATION OF REQUEST CONFIGURATION FILE C:\PROGRAM FILES\WINDOWS REQUEST\WINREQ.INI

MultipleRequests=True

When set to false, Powerprint Request will exit immediately after a request is made. When set to true, you will remain in the Powerprint Request software until you manually exit.

LocalRequest=True

When set to true, the Powerprint Request will create “pointer files” instead of manually copying images selected to the request monitor path. These pointer files are approximately 30 bytes vs. the acutal image file. These pointer files will have a .PTR extension and will contain the location and full name of the image selected. When set to false, the whol eimage file is copied to the request monitor path, taking much more time and creating increased network traffic. It is recommended that when sending files located on a PC workstation LOCAL REQUEST = should be set to false.

SaveRequest=True

When set to False Powerprint Request will exit immediately after a print request is made, otherwise when set to true you will remain in the Powerprint Request Software until you manually exit.

LastPen=C:\Program Files\Windows Request\pens\DEFAULT.Pen

Drive and directory where KIP Pen tables are stored. Also the Last Pen Table in use. Changes each time a user changes Pen Tables unless the SAVEREQUEST= variable is set to False. In this case the Powerprint Request Software will always revert back to the directory shown here. LastDir=C:\

LastDir=C:\Images\Raster

Last Directory in use. Changes each time a user changes directories unless the SAVEREQUEST= variable is set to false. In this case the Powerprint Request Software will always revert back to the directory shown here. This is also the central location, used to direct the network.

DefaultRequester=%UserName

Shown here using an environment variable called USERNAME. You may also enter information after the "=" that will be displayed in the REQUESTER field each time the Powerprint Request Software is started. Up to 30 characters in length. Printed on the header/trailer of each image when turned on in the Powerprint Unattend Software.

DefaultDistribution=%Job Number

You may also enter information after the "=" that will be displayed in the DISTRIBUTION field each time the Powerprint Request Software is started. Up to 30 characters in length. Like the DEFAULTREQUESTER can also use environment variables. Printed on the header/trailer of each image when turned on in the Powerprint Unattend Software.

DefaultDescription=%Description

You may also enter information after the "=" that will be displayed in the DESCRIPTION field each time the Powerprint Request Software is started. Up to 30 characters in length. Like the DEFAULTREQUESTER can also use environment variables. Displayed on the Powerprint Unattend queue but is NOT printed on the header/trailer of the image.

Prompt=Distribution
RequestPrompt=Requester

These are set to change the field text on the Windows Request Screen to a user defined term. Enter any name you would like to be displayed in the main dialog box. (Fields are pointed out here.)


TextSize=.2

Sets text header size that will print on the leading/trailing edge fo the images sent by the Powerprint Request Software. Set this value to 0 (zero), if you do not want a text header to appear on images sent by the Powerprint Request.

TextPos=0

Shows whether Text Position is set to Leading Edge = 0 or Trailing Edge =1.

ExportExe=C:\Programs\Mtp.Exe

This points to the directory where the conversion utility resides. This executable converts TLC formats to TIF, CALS and PCX formats.

ViewExe=C:\Programs\UltraV.Exe

Points to the directory that the Powerprint View program resides.

KipQvue=C:\Programs\KipQvue.Exe

Location of KIP Q-Vue program to allow users to see the status of Powerprint Unattend.

Raster2Tlc=C:\Programs\MTf.Exe

Points to the directory that the conversion utility resides. This executable converts TIF, CALS, PCX, CIT files to the Powerprint View format TLC.

Vector2Tlc=C:\Programs\MH2.Exe

Points to the conversion utility that converts vector plotfiles, HPGL 1 / 2, and Calcomp 906/907 files to the Powerprint View format TLC.

CropExe=C:\Programs\CropExe.Exe

RecallDir=C:\Programs\Recall

Directory that the print jobs are recalled from when selecting Option, Recall Saved Job or Recall Recent Job.

TempDir=c:\T

Directory that the temporary files are written to during normal operation.

MiniSize=1000,720

Image size that is used when right clicking or using CTRL-V to convert and view files. This can be changed to reflect the video resolution set at the PC workstation. For 800 x 600 monitors you may wish to set this to 720, 550.

Units=ENGLISH

AddHpglCmd=

Additional commands can be added to the Vector to TLC conversion. This only affects Viewing of files. In order for the same effect to happen to a file at the Powerprint Controller those variable must also be set in the Winuntd.ini at the Powerprint Controller.
-1 = Ignore Multipage Plotfiles
-A = Clip Vector Plotfile to Image Size rather than Paper Size
-e = set encapping on lines in Vector Files to Butt End instead of Round End.
-G 50 = set overall gray scale control to 50 percent intensity, ranging from 0 - 100. The higher the number the darker the overall intensity of any gray scale being viewed. The same variable must be set in the Winuntd.INI.

[MULTIPLEPRINTERS]
RequestDir0=C:\MonPath1\Request
StatusDir0=C:\MonPath1\LogDir
MachineType0=2900

Allows you to set the paths for the Powerprint Request software to communicate directly with the Powerprint Unattend software.

The Requestdir should match the drive and directory set on the Powerprint Controller in the Powerprint Unattend, Configuration, Set Monitor Paths, Request Monitor Path. The Powerprint Request software will create a subdirectory here and place all the relevant files for the print job in that unique directory.

The Statusdir should match the drive and directory set on the Powerprint Controller in the Powerprint Unattend, Configuration, Miscellaneous, Log Directory. The Powerprint Request software will look to this directory for the updated paper and error information created by the Powerprint Unattend software at the Powerprint Controller. The Log Directory is read each time the KIP Icon/title bar on the Powerprint Request menu is selected with the mouse.

The Machinetype allows you to set a name for you printer. It does not have to match the actual printer you own. For instance you could give the printer a personal name like BOB. This would be displayed on the KIP icon/title bar.

Additional KIP Printers
You can create additional groups of printers to select from directly underneath the current paths. For example:

```
RequestDir0=C:\MonPath1\Request
StatusDir0=C:\MonPath1\LogDir
MachineType0=2900
RequestDir1=F:\KIP\REQUEST DIRECTORY
StatusDir1=F:\KIP\LOGDIRECTORY
MachineType1=3820
RequestDir2=G:\3620\REQUEST
StatusDir2=G:\3620\LOG
MachineType2=BOB
```

In the Powerprint Request software you can change from one printer to the next by selecting the KIP icon/title bar at the top of the main menu. This will switch from one printer to the next and update the roll information at the bottom of the Powerprint Request main menu.

```
[CONVERTTYPES]
Type0=Group4 TIF R
Type1=Group4 CAL R
Type2=ZSoft PCX R
Type3=HPGL PLT V
Type4=KIP TLC R
Type5=Group4 GP4 R
Type6=Postscript PS V
Type7=Postscript EPS V
Type8=Adobe PDF V
```

Note: PS, EPS, and PDF are listed here but cannot be viewed and can only be printed if the proper Postscript/PDF option has been purchased and installed on the Powerprint Controller.

After the "=" you can use up to ten letters for a description, File extension, R for raster or V for vector.

[PAPERTYPES]
Paper0=Bond
Paper1=Vellum
Paper2=Film

Shows the Media Type pull down selections. If you set up a customize media in the Powerprint Unattend (WINUNTD.INI). Then you must also set up the same papertype here in the WINREQ.INI. Papertypes can be up to six letters or numbers, no spaces. Be sure that all upper and lower case match. Some users have also used this to limit the media choices that the Powerprint Request workstations have. Either eliminate the choice that they do not need or have only one choice that will have to be manually overridden at the Powerprint Unattend Software.

[OUTPUTTYPES]
Type0=TLC Tiled Format -t
Type1=CAL CALS Group 4 -C
Type2=TIF TIFF Group 4 -T
Type3=PCX Monochrome -c

EXPLANATION OF KIP Q-VUE.INI
C:\PROGRAMS

[9830, 9820, 9815, 9810, 9010, 7090, 3820, 3620, 2900, 2710 WINDOWS CONFIGURATION]

UnattendedDelay=5
DefaultMedia=Bond
IgnoreExt=
FormTop=4485
FormLeft=2280
FormHeight=6375
FormWidth=14625
FormState=0
ColorKey=True

[PaperTypes]
Paper0=Bond
Paper1=Vellum
Paper2=Film

[MULTIPLEPRINTERS]
CurrentPrinter=1
MachineType1=2900

[PRINTER 2900]
RootPath=~
StatusPath=C:\Monpath1\LogDir
RasterMonitorPath1=C:\monpath1\Raster
VectorMonitorPath1=C:\monpath1\Vector
RequestMonitorPath1=C:\monpath1\Request

Explanation of KIP Q-Vue INI
[9830, 9820, 9815, 9810, 9010, 7090, 3820, 3620, 2900, 2710 WINDOWS CONFIGURATION]

UnattendedDelay=5
Same as Winuntd.ini SEE PAGE 128
DefaultMedia=Bond
Same as Winuntd.ini, SEE PAGE 128

IgnoreExt=
Program will ignore files of this type in Monitor Paths. Often set to TMP so that program will not try to view or convert temporary files created by CAD systems during the printing process.

FormTop=4485
FormLeft=2280
FormHeight=6375
FormWidth=14625
FormState=0
ColorKey=True
Turns the ColorKey in the KIP Q Vue software on or off.

[PaperTypes]
Paper0=Bond
Paper1=Vellum
Paper2=Film
Same as Winuntd

[MULTIPLEPRINTERS]
CurrentPrinter=1
Used by system, do not change.
MachineType1=2900
MachineType2=9820
Type of KIP System in use, any text can be used here. It is not specific to the machine in use.

[PRINTER 2900]
RootPath=~
Use for Powerprint Mini only.
StatusPath=C:\Monpath1\LogDir
Log Directory as dictated by the Powerprint Unattend
RasterMonitorPath1=C:\monpath1\Raster
VectorMonitorPath1=C:\monpath1\Vector
RequestMonitorPath1=C:\monpath1\Request
Groups of Monitor Paths as dictated by the Powerprint Unattend

POWERPRINT UNATTEND CONFIGURATION FILE.KIP 9810/7090
(PROGRAM FILES\WINDOWS UNATTEND\WINUNTD.INI

Making changes to the WINUNTD.INI file should only be done by qualified computer personnel. Always make a backup copy of this INI file prior to making changes, this will minimize downtime should you make a mistake. Many items here can only be changed in this configuration file rather than at a menu screen. The items that have an "*" at the end can only be changed here in the WINUNTD.INI.

[9830, 9820, 9815, 9810, 9010, 7095, 7090, 3820, 3620, 2900, 2710, 1230
WINDOWS CONFIGURATION]

Units=ENGLISH
Password=
UnattendedDelay=5
CopyModeDelay=30
DefaultMedia=Bond
LastPen=DEFAULT
DefaultDPI=0
CurrentLogPath=C:\MONPATH1\LOGDIR
TempDir=E:\T
CalcompParams=-1
MachineType=3820
SwitchSelect=1
TextOn=-1
TextPos=0
TextSize=.1

```
ExtraGap=0
AmountCutOff=50
AddHpglCmd=-1
DontPrintMultipleRaster=0
LeadingSpace=0
IgnoreExt=
AFolderDelay=0
OtherFolderDelay=0
AutoTrimPaper=1
CopyDensity=3
MaximumRollSize=36
MultPlotCopies=0
UsePrintFold=False
InternalController=False
PrintSeparaterSheet=True

FormTop=1605
FormLeft=360
FormHeight=8310
FormWidth=14625
FormState=0

Debug=1

PrintExe=C:\PROGRAMS\KIPPRNT.EXE
StatusExe=C:\PROGRAMS\KIPSTAT.EXE
VectorInExe=C:\PROGRAMS\MPH2.EXE
RasterInExe=C:\PROGRAMS\MPTF.EXE
TlcPrintExe=C:\PROGRAMS\MPTP.EXE
ViewExe=C:\PROGRAMS\ULTRAV.EXE

BlankPrint=C:\PROGRAMS\TRIMSHT.TLC
```

```
HardwareConnect=YES

[PrintfoldPresets]
ESizePortraitPreset=0
ESizeLandscapePreset=0
DSizePortraitPreset=0
DSizeLandscapePreset=0
CSizePortraitPreset=0
CSizeLandscapePreset=0
BSizePortraitPreset=0
BSizeLandscapePreset=0
ASizePortraitPreset=0
ASizeLandscapePreset=0

[MetricPrintfoldPresets]
A0SizePortraitPreset=0
A0SizeLandscapePreset=0
A1SizePortraitPreset=0
A1SizeLandscapePreset=0
A2SizePortraitPreset=0
A2SizeLandscapePreset=0
A3SizePortraitPreset=0
A3SizeLandscapePreset=0
A4SizePortraitPreset=0
A4SizeLandscapePreset=0

[PaperSettings]
Roll1Paper=Auto
Roll2Paper=Auto
Roll3Paper=Auto
Roll4Paper=Auto
```

```
[FolderPaperSettings]
FolderPaperSizeE=36
FolderPaperSizeD=24
FolderPaperSizeC=24
FolderPaperSizeB=12
FolderRotationSizEPortrait=2
FolderRotationSizeDPortrait=2
FolderRotationSizeCPortrait=1
FolderRotationSizeBPortrait=2
FolderRotationSizeAPortrait=2
FolderRotationSizeELandscape=3
FolderRotationSizeDLandscape=3
FolderRotationSizeCLandscape=3
FolderRotationSizeBLandscape=3
FolderRotationSizeALandscape=2
ESizeWidthMax=600
ESizeWidthMin=36
ESizeLengthMax=37
ESizeLengthMin=34
DSizeWidthMax=37
DSizeWidthMin=34
DSizeLengthMax=25
DSizeLengthMin=21
CSizeWidthMax=25
CSizeWidthMin=21
CSizeLengthMax=19
CSizeLengthMin=16
BSizeWidthMax=19
BSizeWidthMin=16
BSizeLengthMax=13
BSizeLengthMin=10
ASizeWidthMax=13
ASizeWidthMin=10
ASizeLengthMax=10
ASizeLengthMin=8
```

```
[MetricFolderPaperSettings]
FolderPaperSizeA0=0
FolderPaperSizeA1=0
FolderPaperSizeA2=0
FolderPaperSizeA3=0
FolderRotationSizeA0Portrait=0
FolderRotationSizeA1Portrait=0
FolderRotationSizeA2Portrait=0
FolderRotationSizeA3Portrait=0
FolderRotationSizeA4Portrait=0
FolderRotationSizeA0Landscape=0
FolderRotationSizeA1Landscape=0
FolderRotationSizeA2Landscape=0
FolderRotationSizeA3Landscape=0
FolderRotationSizeA4Landscape=0
A0SizeWidthMax=0
A0SizeWidthMin=0
A0SizeLengthMax=0
A0SizeLengthMin=0
A1SizeWidthMax=0
A1SizeWidthMin=0
A1SizeLengthMax=0
A1SizeLengthMin=0
A2SizeWidthMax=0
A2SizeWidthMin=0
A2SizeLengthMax=0
A2SizeLengthMin=0
A3SizeWidthMax=0
A3SizeWidthMin=0
A3SizeLengthMax=0
A3SizeLengthMin=0
A4SizeWidthMax=0
A4SizeWidthMin=0
A4SizeLengthMax=0
A4SizeLengthMin=0
```

```
[MonitorPaths]
RasterMonitorPath1=C:\MonPath1\Raster
VectorMonitorPath1=C:\MonPath1\Vector
RequestMonitorPath1=C:\MonPath1\Request

[PriorityPaths]
PriorityRequestPath=C:\MonPath1\PRequest

[CopyDensityValues]
Dark=20
MediumDark=15
Medium=10
MediumLight=7
Light=5

[PaperTypes]
Paper0=Bond
Paper1=Vellum
Paper2=Film

[OpaquePens]
```

Explanation of WINUNTD.INI

Units=ENGLISH

Set as either ENGLISH or METRIC. These items are set at the MISCELLANEOUS CONF. in the Powerprint Unattend Software. When set to METRIC it will automatically change the printer and/or scanner over to its METRIC mode. This can also be reflected in the Service Mode of the Scanner and/or Printer.

Password=

Set to anything. This item is set at the MISCELLANEOUS CONF. in the Powerprint Unattend Software. If a customer forgets the password that they set in the Powerprint Unattend Software you can see and change the password here.

UnattendedDelay=5

Refers to the frequency that the Unattend Mode checks the Monitor Paths for files. If set to 5 (as shown) the Controller will check the Monitor Paths once every 5 seconds. This item is set at the MISCELLANEOUS CONF. in the Powerprint Unattend Software.

CopyModeDelay=30

Refers to the timer that is used when the F10 key is pressed from the Main Plotter Mode menu. Timer will allow the user to make copies then time out and return to printing the current job automatically after 20 seconds. This can be set to any number of seconds. This item is set at the MISCELLANEOUS CONF. in the Powerprint Unattend Software.

DefaultMedia=Bond

Refers to the Media that will be used when individual files are copied into either the Vector and Raster Monitor Paths. This item is set at the MISCELLANEOUS CONF. in the Powerprint Unattend Software.

LastPen=DEFAULT

Last Pen Table in use. Pen Tables are located in C:\PROGRAM FILES\WINDOWS UNATTEND\PENS

DefaultDPI=0

Refers to the DPI of raster files (TIF, CALS, PCX) when it is not represented in the header of the raster file. Therefore if set to 200 DPI it will treat all raster files as 200 DPI and size them accordingly. If set to 0 then it attempt to read the DPI from the header of the raster file. If set to 200 and the files are not 200 DPI they will be sized incorrectly and will not likely print. This will be reflected in the Logfile that will reside in the LOG DIRECTORY. This item is set at the MISCELLANEOUS CONF. in the Powerprint Unattend Software.

CurrentLogPath=C:\MONPATH1\LOGDIR\

This item is set at the MISCELLANEOUS CONF. in the Powerprint Unattend Software. The menu item would be listed as LOG DIRECTORY in the Misc Configuration menu and the choices are set to any directory. This directory contains two items, 1. ASCII base job log uses the naming convention of Jan99.log for January 1999. Kip Q-Manager uses this log to print production reports, see page 65 and 2. Roll information that is read by the KIP Request Software.

TempDir=E:\T

Directory that all temporary files are written to when the Plotter Mode is operating. This drive and directory must exist for the Powerprint Unattend Software to function. This directory is deleted and recreated each time the Powerprint Unattend Software is started.

**NOTE:The standard Powerprint uses D:\T**
**The PowerprintMax uses E:\T**

CalcompParams= -1

MachineType=3820

Sets the Icon that appears at the Main Menu of the Plotter Mode. It does not correspond to printer or scanner speed, this is automatically detected by the software. Selections that can be entered: 2710, 2720, 2900, 2950, 3620, 3820, 7090, 7095, 9010, 9815, 9810, 9820.

SwitchSelect=1

Refers to which of the Roll Selections that is set in CONFIGURATION, MISCELLANEOUS CONF., then either CLOSEST, EXACT, FOLDER, or CENTER.

TextOn= -1

Shows Text Header is On = 1 or Off= 0. Also set in the Miscellaneous Configuration.

TextPos=0

Shows whether Text Position is set to Leading Edge = 0 or Trailing Edge =1. Also set in the Miscellaneous Configuration.

TextSize=.1

Shows Text Size printed on the header/trailer of image, also set in the Miscellaneous Configuration. Only affects files sent to Raster and Vector Monitor paths, to change Text Size of files being sent by Powerprint Request you must change this at the Request Software in the C:\PROGRAM FILES\WINDOWS REQUEST\WINREQ.INI.

ExtraGap=0

Shows Gap set between Header and beginning of document. Also set in Miscellaneous Configuration.

AmountCutOff=50

Can only be set here in WINUNTD.INI, shown in pixels 400 pixels = 1 inch. Shows the amount of overlap that is acceptable when printing on documents on rolls less than 36". If a document is 34.01" in width and the AMOUNTCUTOFF=0 then the Controller will not print the image on a 34" roll it would search for the next largest roll or rotate the drawing appropriately. If we were to set the AMOUNTCUTOFF=100 then up to .25" of the drawing would be ignored (100/400=.25") and the image would still be printed on the 34" roll.

AddHpglCmd=-1 *

Additional commands can be added to the Vector to TLC conversion. This only affects Viewing of files. In order for the same effect to happen to a file at the Powerprint Controller those variable must also be set in the Winuntd.ini at the Powerprint Controller.
-1 = Ignore Multipage Plotfiles
-A = Clip Vector Plotfile to Image Size rather than Paper Size
-e = set encapping on lines in Vector Files to Butt End instead of Round End.
-G 50 = set overall gray scale control to 50 percent intensity, ranging from 0 - 100. The higher the number the darker the overall intensity of any gray scale being viewed. The same variable must be set in the Winuntd.INI.

DontPrintMultipleRaster=0
LeadingSpace=0

AutoTrimPaper=1 *

Allows you set whether or not paper is automatically trimmed when a new roll is inserted while in the middle of a print job. This should be set to 1 if you would like this feature operational. On Plotter only systems this is the only way that a new roll can be trimmed unless the test print button is used on the printer.

CopyDensity=3

Default setting for Copy Density 1 thru 5, the same as on the copier keypad. Density values are set below.

PrintSeparator Sheet=True

This is set to enable printing of separator sheets between jobs.

Debug=1

Allows you to set the value for writing of the WINUNTD.OUT file. -1 for none, 0 for medium debugging, and 1 for high level of debugging.

PrintExe=C:\PROGRAMS\KIPPRNT.EXE
StatusExe=C:\PROGRAMS\KIPSTAT.EXE
VectorInExe=C:\PROGRAMS\MH2.EXE
RasterInExe=C:\PROGRAMS\MTF.EXE
TlcPrintExe=C:\PROGRAMS\MTP.EXE
ViewExe=C:\PROGRAMS\ULTRAV.EXE

BlankPrint=C:\PROGRAMS\BLANKSHT.TLC

Location and name of TLC file to be used when trimming of a new roll is inserted during a print job. This file is set from the factory to be an 8.5" x 8.5" sheet that reads TRIM SHEET. This feature will not function properly when Roll Selection is set to EXACT or FOLDER.

[Printfold Presets]
[MetricPrintFold Presets]

Set each of the entries to the number of presets for folds. These numbers should match the Folder presets.

[PaperSettings]
Roll1Paper=Auto
Roll2Paper=Auto
Roll3Paper=Auto
Roll4Paper=Auto

Shows what paper settings are set at in Miscellaneous Configuration Menu.

[Folderpapersettings]
FolderPaperSizeE=36
FolderPaperSizeD=24
FolderPaperSizeC=18
FolderPaperSizeB=12
FolderRotationSizEPortrait=2
FolderRotationSizeDPortrait=2
FolderRotationSizeCPortrait=2
FolderRotationSizeBPortrait=2
FolderRotationSizeAPortrait=2

[Folderpapersettings] * (cont)
FolderRotationSizeELandscape=3
FolderRotationSizeDLandscape=3
FolderRotationSizeCLandscape=3
FolderRotationSizeBLandscape=3
FolderRotationSizeALandscape=3

Folder settings for use when FOLDER is selected in the Miscellaneous Configuration Menu. FOLDERPAPERSIZE selects the roll that you lock the image to print on, that size document will only print on the roll size selected. FOLDERROTATIONPORTRAIT set to 0,1,2,3 for the amount of rotation necessary for title block to be in proper position for each paper size A,B,C,D,E. 0 = none, 1 = 90 degrees CW, 2 = 180 degrees CW, 3 = 270 degrees CW. Same for FOLDERROTATION LANDSCAPE.

ESizeWidthMax=600
ESizeWidthMin=36
ESizeLengthMax=36
ESizeLengthMin=34

Allows you to set the values for determining the difference between A,B,C,D, and E size images. Set values in inches.

[MonitorPaths]
RasterMonitorPath1=c:\MONPATH1\RASTER
VectorMonitorPath1=c:\MONPATH1\VECTOR
RequestMonitorPath1=c:\MONPATH1\REQUEST

Shows MONITOR PATHS set in Miscellaneous Configuration. Additional sets of monitor paths can be added here or in this INI file.
RasterMonitorPath2=f:\RASTER
VectorMonitorPath2=f:\VECTOR
RequestMonitorPath2=f:\REQUEST

[CopyDensityValues]
Dark=50
MediumDark=40
Medium=30
MediumLight=20
Light=10

Values set here will alter the COPY DENSITY when printing. The settings set in the service mode of the printer and scanner will be overridden. Values will usually range from 0 - 60 and should be set to match those set in the Service Mode of the Printer. Values shown above are normal for KIP 2900, all other systems should use:
Dark=20
MediumDark=15
Medium=10
MediumLight=7
Light=5

[PaperTypes]
Paper0=Bond
Paper1=Vellum
Paper2=Film

Show new Paper Types available. If a new PAPER TYPE is added here is must also be added in the C:\PROGRAM FILES\WINDOWS REQUEST\WINREQ.INI to work properly. Limit is 6 characters or less.

[OpaquePens]
Opaque1=16
Opaque2=17

Allows the ability to set which pen is Opaque vs Transparent.