

# **RW-3600**

## **CLIENTS**

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Microsoft® Windows® 95 operating system

Microsoft® Windows® 98 operating system

Microsoft® Windows® Millennium Edition

Microsoft® Windows NT® Server operating system Version 4.0

Microsoft® Windows NT® Workstation operating system Version 4.0

Microsoft® Windows® 2000 Professional

Microsoft® Windows® 2000 Server

Microsoft® Windows® XP Professional

Microsoft® Windows® Vista™

Note:

"RW-3600 PS" stands for "RW-3600 Postscript Level 3 Compatible Option"

# Contents

<b>RW-3600 CLIENTS .....</b>	<b>7</b>
Manual conventions.....	9
 <b>PART I - RW-3600 PLOTCLIENT WIN .....</b>	 <b>10</b>
<b>Introduction .....</b>	<b>11</b>
<b>Installation .....</b>	<b>12</b>
System requirements.....	12
Installation of the RW-3600 PLOTCLIENT WIN .....	13
<b>Start and quit program .....</b>	<b>15</b>
<b>Program window .....</b>	<b>16</b>
<b>Program sequence.....</b>	<b>17</b>
Name conventions.....	17
From the drawing to the job .....	20
Job and entry in the chart.....	21
<b>Tools .....</b>	<b>23</b>
Main symbol bar .....	23
Icon bar .....	24
<b>Presets .....</b>	<b>26</b>
Setting the SSL defaults .....	26
"General" tab.....	26
Set up SSL spool paths .....	28
"Format" tab .....	30
SNMP Monitor .....	31
"Device List" tab .....	31
"Properties" tab .....	32
Change language .....	33
<b>Job editor.....</b>	<b>34</b>
"Job" settings area.....	34
"Job Specific" tab.....	34
"Job Additional" tab.....	38
"Default" settings area .....	40
"Default Specific" tab .....	40

"Default Additional" tab .....	43
"Entry" settings area .....	44
<b>Stamp editor .....</b>	<b>47</b>
Make stamp .....	47
Stamp configurations .....	48
Edit or delete stamp .....	48
"Settings" tab .....	49
"Data" tab .....	51
<b>Pen settings .....</b>	<b>54</b>
View the changes .....	54
VIC .....	55
DWF/DWG/DXF .....	55
HPGL/2 - Pens .....	57
HPGL/2 - Colors .....	59
HPGL/2 - Misc .....	60
HPGL/2 - Plotter Defaults .....	64
Calcomp - Pens .....	65
Calcomp - Colors .....	67
Calcomp - Misc .....	68
<b>Collate jobs .....</b>	<b>72</b>
Add entries .....	73
Add with button .....	73
Add using the right-hand mouse button .....	74
Add with menu item .....	75
Add with Drag & Drop .....	75
Add multiple entries .....	76
Update entries .....	76
Delete entries .....	77
Entry information .....	78
<b>PART II - RW-3600 WINPRINT .....</b>	<b>79</b>
<b>Introduction .....</b>	<b>80</b>
<b>Installation .....</b>	<b>81</b>
<b>Configuration .....</b>	<b>82</b>
Print Parameters of RW-3600 WINPRINT .....	82

---

<b>PART III - RW-3600 PLOTCLIENT HDI/ADI .....</b>	<b>87</b>
<b>Introduction .....</b>	<b>88</b>
<b>Installation .....</b>	<b>89</b>
<b>Installation of the HPGL/2 plotter .....</b>	<b>90</b>
Installation in AutoCAD 13 .....	90
Installation in AutoCAD 14 .....	91
<b>Configuration .....</b>	<b>92</b>
Configuration for AutoCAD 13/14 via configuration tool .....	92
Settings for AutoCAD 13/14 in print dialog .....	93
Settings for AutoCAD 200x in print dialog .....	93
<b>Presets for print jobs .....</b>	<b>96</b>
"Main" tab .....	96
"Job Data" tab .....	98
"Advanced" tab .....	99
"Options" tab .....	101
 <b>PART IV - RW-3600 PLOTCLIENT WEB.....</b>	 <b>103</b>
<b>Introduction .....</b>	<b>104</b>
<b>Start application .....</b>	<b>104</b>
<b>Configuration .....</b>	<b>105</b>
Plot settings .....	105
Sending sets to RW-3600 PLOTBASE .....	106
E-mail notification .....	106
Manage users .....	107
Global settings .....	108
Internationalisation .....	109
<b>Creating print jobs.....</b>	<b>109</b>
File formats .....	109
Workflow .....	110
"Job" tab.....	111
Create jobs .....	112
Job view .....	112
Delete jobs .....	113
Select files as entries .....	114
Edit entry files .....	115

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Delete entry files .....	115
Showing entries in the quick view .....	115
Adjust job settings .....	116
Main settings .....	116
Detailed settings .....	117
Proceed with entry settings .....	119
Main settings .....	119
Detailed settings .....	120
Send job for printing .....	122
<b>Device status.....</b>	<b>122</b>
 <b>PART V - RW-3600 PLOTCLIENT MAC.....</b>	 <b>124</b>
<b>Installations .....</b>	<b>125</b>
Installations on Server PC with Windows .....	125
Installation on Macintosh 10.3 .....	126
Installation on Macintosh 10.4 .....	126
<b>Print jobs and presets .....</b>	<b>128</b>
MainOptions 1 .....	128
MainOptions 2 .....	129
JobOptions .....	130
 <b>PART VI - RW-3600 PLOTCLIENT LPR/FTP.....</b>	 <b>132</b>
<b>RW-3600 PLOTCLIENT LPR.....</b>	<b>133</b>
Configuration on Server PC with Windows .....	133
Print jobs with lpr on Windows.....	133
Configuration on UNIX .....	134
Print jobs on UNIX using lpr .....	135
<b>RW-3600 PLOTCLIENT FTP .....</b>	<b>136</b>
Configuration on Server PC with Windows .....	136
Print jobs on Windows using ftp.....	136
Configuration on UNIX .....	137
Print jobs on UNIX using ftp.....	138
 <b>PART VII - APPENDIX.....</b>	 <b>140</b>
<b>Index.....</b>	<b>141</b>

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## RW-3600 CLIENTS

This manual explains the installation and operation of RW-3600 PLOTCLIENTs as well as two networks. You find out how you can use the RW-3600 PLOTCLIENTs or network protocols to produce print jobs, set print parameters and to send the print jobs to the RW-3600 PLOTBASE server program. The following RW-3600 PLOTCLIENTs and protocols are described:

- RW-3600 PLOTCLIENT WIN
- RW-3600 WINPRINT
- RW-3600 PLOTCLIENT HDI/ADI
- RW-3600 PLOTCLIENT WEB
- RW-3600 PLOTCLIENT MAC
- RW-3600 PLOTCLIENT LPR
- RW-3600 PLOTCLIENT FTP

The following gives a brief explanation of all RW-3600 PLOTCLIENTs. The precise functional descriptions are given in the respective chapters:

- **RW-3600 PLOTCLIENT WIN**

RW-3600 PLOTCLIENT WIN is available for Microsoft Windows NT 4.0, Microsoft Windows 2000, Microsoft Windows XP and Microsoft Windows Vista and is a program for preparing plot jobs, which it then sends to RW-3600 PLOTBASE. This is done by collating set-based jobs.

- **RW-3600 WINPRINT**

The Windows printer driver RW-3600 WINPRINT allows print jobs from Windows applications, to then pass them directly to RW-3600 PLOTBASE as a job.

- **RW-3600 PLOTCLIENT HDI/ADI**

With RW-3600 PLOTCLIENT HDI/ADI you produce HPGL/2-files from the drawings and documents, which have been produced in the AutoCAD programs AutoCAD R13, AutoCAD R14, AutoCAD 2000, AutoCAD 2000i, AutoCAD LT 2000, AutoCAD Lti 2000, AutoCAD 2002, AutoCAD LT 2002, AutoCAD 2004, AutoCAD LT 2004, AutoCAD 2005, AutoCAD 2005 LT, AutoCAD 2006, AutoCAD 2006 LT, AutoCAD 2007 or AutoCAD

2007 LT. The print jobs can be sent to the RW-3600 PLOTCLIENT WIN program or directly to the RW-3600 PLOTBASE server program.

- **RW-3600 PLOTCLIENT WEB**

The RW-3600 PLOTCLIENT WEB enables you to send print jobs to RW-3600 PLOTBASE both via the Intranet as well as via the Internet. You can stipulate numerous print parameters. Successful processing of the print processes in RW-3600 PLOTBASE can be controlled via a status message. Equally, you can also have an e-mail sent to obtain a message on successful job completion.

- **RW-3600 PLOTCLIENT MAC**

With the printer driver RW-3600 PLOTCLIENT MAC, you can send print jobs to RW-3600 PLOTBASE from applications, which run on the Macintosh operating system Mac OS 10.3 or 10.4.

- **RW-3600 PLOTCLIENT LPR**

With the lpr command, you can send print jobs to RW-3600 PLOTBASE via RW-3600 WINPRINT, without having to use an application program. This printing facility is particularly meant for UNIX users.

- **RW-3600 PLOTCLIENT FTP**

With the ftp command you can send print jobs to RW-3600 PLOTBASE without having to use an application program. This printing facility is particularly meant for UNIX users.

We wish you every success in your work with RW-3600 CLIENTS.



## Manual conventions

In the text, you can come across two possible terms, which are intended to point out special circumstances or advantages or even to warn you against certain work steps:



**Note:** You are free to decide whether you wish to follow the recommendation given in a note or not. Notes are usually used to draw your attention to special circumstances or even to point out useful commands or ones that are easily forgotten and overseen.



**Attention:** It is advisable to take particular notice of any possible problems marked with "Attention" to e.g. avoid problems with your data stocks, etc

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## Part I - RW-3600 PLOTCLIENT WIN

## Introduction

This part of the manual describes the program RW-3600 PLOTCLIENT WIN. RW-3600 PLOTCLIENT WIN is available for Microsoft Windows NT, for Microsoft Windows Vista, for Microsoft Windows 2000 as well as for Microsoft Windows XP and is a program for preparing plot jobs, which it then sends to the server program, RW-3600 PLOTBASE. This is carried out by collating set-based jobs.

The Client-Server architecture of RW-3600 PLOTBASE enables each connected user to define their print jobs and drawing sets themselves and to send them to RW-3600 PLOTBASE for output. The interface used between RW-3600 PLOTBASE and the Client is the Interpreter, which covers the Clients' information so that RW-3600 PLOTBASE can easily work through the set requirements.

Compliance of standards in conjunction with the graphic user interface of Microsoft Windows enables problem-free integration in existing environments and applications.

## Installation

In this chapter you can read about which system requirements have to be fulfilled and how to carry out the installation.

### System requirements

Please read through the following recommendations carefully. They can be very helpful in finding the optimum hardware for your requirements.

- **Operating system**

Microsoft Windows XP Professional x32 Edition, ServicePack 2

Microsoft Windows XP Professional x64 Edition, ServicePack 2

Microsoft Windows 2000 Professional, ServicePack 4

Microsoft Windows NT 4.0

Microsoft Windows Vista

Microsoft Internet Explorer 6.0 or higher, ServicePack 1

- **Network interface/Configuration**

10/100 Base T Ethernet, the TCP/IP configuration is necessary

- **Processor & System memory**

Dependent on your operating system we recommend following processors and system memory:

Windows NT 4.0: Pentium II 200 MHz, at least 64 MB RAM

Windows 2000: Pentium II 200 MHz, at least 64 MB RAM

Windows XP: Pentium III 500 MHz, at least 128 MB RAM

Windows Vista: Pentium III 1 GHz, at least 512 MB RAM

- **Harddrive**

At least 500 MB

- **Monitor**

At least 1024 x 768 pixels resolution

## Installation of the RW-3600 PLOTCLIENT WIN

This section describes how to install the program. The installation program is in the released directory "tools" of RW-3600 PLOTBASE:

\\[ServerPC]\tools\RW-3600 PLOTCLIENT WIN

To install the program, please proceed as follows:

1. For installation, start Windows as user with administrator rights and open Windows Explorer.
2. If Windows has already been started with administrator rights, quit all active programs resp. do a data backup.
3. Go via the network to the installation directory \\[ServerPC]\tools\RW-3600 PLOTCLIENT WIN.
4. Start the file "Setup.exe".
5. Choose the setup language and click on "OK".
6. In the "Welcome" dialogue, click on "Next".
7. Click on "I accept ..." if you accept the licence agreements. Click on "I reject" if you do not accept and want to stop installation. Then click on "Next".
8. Choose the setup type that you prefer and click on "Next".
9. Specify the "network spool path" and click on "Next".  
The first part \\[Server] indicates the target computer on which RW-3600 PLOTBASE is installed. The second part \\[Spool] indicates the released spool path there.
10. If you want to keep your settings, click on "Install" now.  
RW-3600 PLOTCLIENT WIN is installed now.
11. As soon as installation has finished, click on "Finish".
12. If you want to start RW-3600 PLOTCLIENT WIN now - for the first time - you will be asked to enter the defaults for new SSL print jobs. Answer this query with "OK".
13. In the job editor, enter the global job information on the "Job Specific" and "Job Additional" tabs.
14. Go to the cards "Default Specific" and "Default Additional", and enter the detailed defaults here. The possible settings in the job editor are described in detail from page 34.
15. Quit your defaults with "OK".
16. Answer the query about preparing a job example.
17. If you answer with "Yes", RW-3600 PLOTCLIENT WIN pre-

pare a job example, which you can send off straight away as the first print job.

## Start and quit program

- **Start program**

The installation program sets up its own program group with program symbols towards the end of the installation. To start RW-3600 PLOTCLIENT WIN, open it via the "Start" bar or double click on its program symbol.

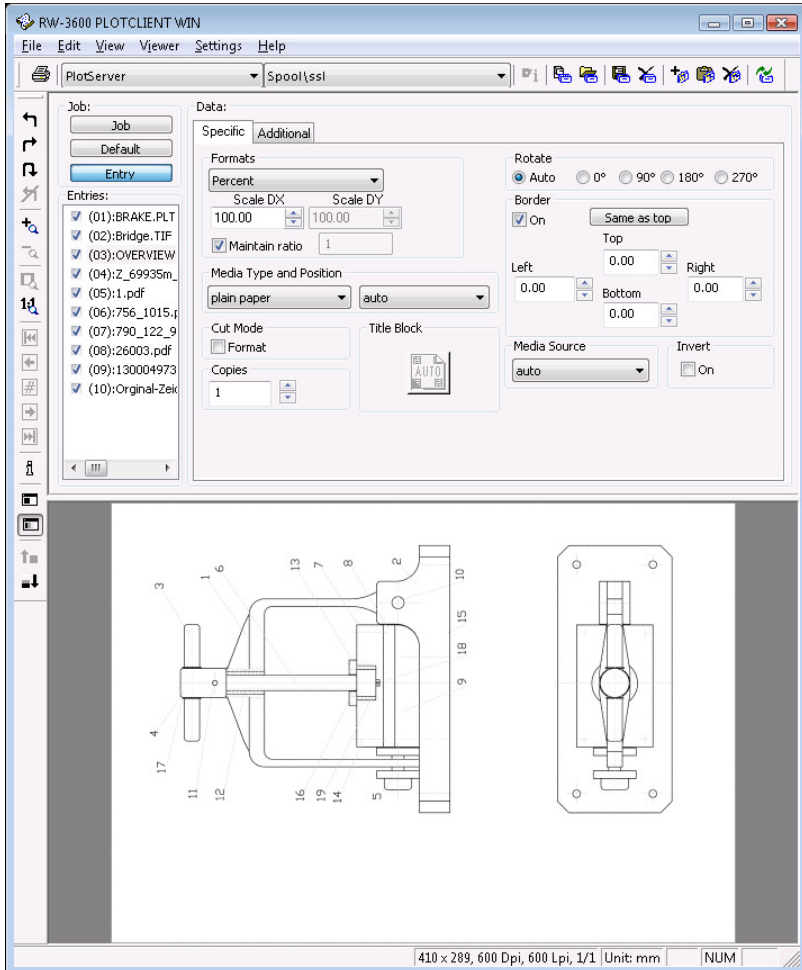
Your first sample print is easy to manage and will already be started at the end of your installation. For explanations you will have to read in following two chapters "From the drawing to the job" on page 20 and "Job editor" on page 34.

- **Quit program**

You can either quit RW-3600 PLOTCLIENT WIN via the menu item "File - Exit" or with the usual Windows keyboard shortcut "ALT+F4".

The program's functions are now described in the following chapters.

# Program window





## Program sequence

This chapter provides you with an overview of how the drawing gets into the job list of RW-3600 PLOTBASE and is then printed. At the end of the chapter you will find a graphic, which illustrates the job flow.

Together with the introductory chapter, this chapter is intended to help you to get to know the environment and the embedding of the program in it.

In addition, the most important terms used in the program are also explained.

## Name conventions

### **Job:**

A job is a print job, which includes at least one entry or set of entries, which are to be printed off on the plotter as a specific combination and with individual settings. The job can, inter alia, be compiled using RW-3600 PLOTCLIENT WIN and can include an unlimited number of entries.

### **User:**

The user, or job producer, prepares the jobs with RW-3600 PLOTCLIENT WIN. The user can simultaneously be the client.

### **Client:**

The client places an order, to have one or several drawings printed out via RW-3600 PLOTBASE on the plotter. The client can simultaneously be the user. The client is also the recipient of the printed and, optionally folded drawings.

### **Entry:**

An entry is a drawing with the corresponding description, required for RW-3600 PLOTBASE. This description contains all the information about the drawings, e.g. target format, output medium, title block, etc. Entries are compiled in RW-3600 PLOTCLIENT WIN to form jobs or can also represent a job singly.

The entries or drawings can have the following file formats, which RW-3600 PLOTCLIENT WIN recognizes from the file extension:

- Calcomp .....(\*.906, \*.907)
- CALS [to MIL-STD-1840B] .....(\*.cal)
- CALS [to MIL-STD-28002A] .....(\*.cal)
- Intergraph .....(\*.cit; \*.tg4)
- HP-GL [/2, RTL]..... (\*.plt; \*.rtl)
- PCX..... (\*.pcx)
- RLC.....(\*.rlc)
- T6X .....(\*.t6x)
- TIFF ..... (\*.tif)  
[Group 3,4; uncompressed; packbits; striped & tiled]
- Windows / OS2 Bitmaps ..... (\*.bmp)
- Windows Meta File.....(\*.wmf)

The following are available as an optional:

- CGM.....(\*.cgm)
- PDF, RW-3600PS ..... (\*.pdf, \*.ps)
- VIC ..... (\*.vic)

You can only use the following formats if you have installed a full version from AutoCAD series 2000 to 2007 or the DWF/DWG/DXF option on the server:

- DWF.....(\*.dwf)
- DWG .....(\*.dwg)
- DXF.....(\*.dxf)



**Note:** RW-3600 PLOTBASE cannot print DWG and DXF files, that contain several single files.

### **SSL-file:**

The SSL-file is automatically produced by RW-3600 PLOTCLIENT WIN when preparing a job and contains all the information about the job itself as well as all the descriptions of the individual entries.

The SSL file is required by RW-3600 PLOTBASE, to be able to print off a job on the plotter.

### **Draftsman:**

The [technical] draftsman/draftswoman produces the drawings

for the client, which can later be collated by the user to form jobs.

## From the drawing to the job

The following lists the path of a drawing from its preparation through to the job list of RW-3600 PLOTBASE. The work steps are presented functionally and not person-related, i.e. that several functions can be carried out by the same person.

With the help of this section, the following graphic and the first chapter of the manual, you should be able to grasp the task and possible applications of RW-3600 PLOTBASE and the environment:

### 1. PRODUCTION:

The [technical] draftsman/draftswoman produces the drawing using an EDM, CAD or similar system and saves it in one of the following formats, which are identified by RW-3600 PLOTBASE from the file extension:

- Calcomp ..... (\*.906, \*.907)
- CALS [to MIL-STD-1840B] ..... (\*.cal)
- CALS [to MIL-STD-28002A] ..... (\*.cal)
- Intergraph ..... (\*.cit; \*.tg4)
- HP-GL [2, RTL] ..... (\*.plt; \*.rtl)
- PCX ..... (\*.pcx)
- RLC ..... (\*.rlc)
- T6X ..... (\*.t6x)
- TIFF ..... (\*.tif)  
[Group 3,4; uncompressed; packbits; striped & tiled]
- Windows / OS2 Bitmaps ..... (\*.bmp)
- Windows Meta File ..... (\*.wmf)

The following are available as an optional:

- CGM ..... (\*.cgm)
- PDF, RW-3600PS ..... (\*.pdf, \*.ps)
- VIC ..... (\*.vic)

You can only use the following formats if you have installed a full version from AutoCAD series 2000 to 2007 or the DWF/DWG/DXF option on the server:

- DWF ..... (\*.dwf)
- DWG ..... (\*.dwg)

- DXF .....(\*.dxf)

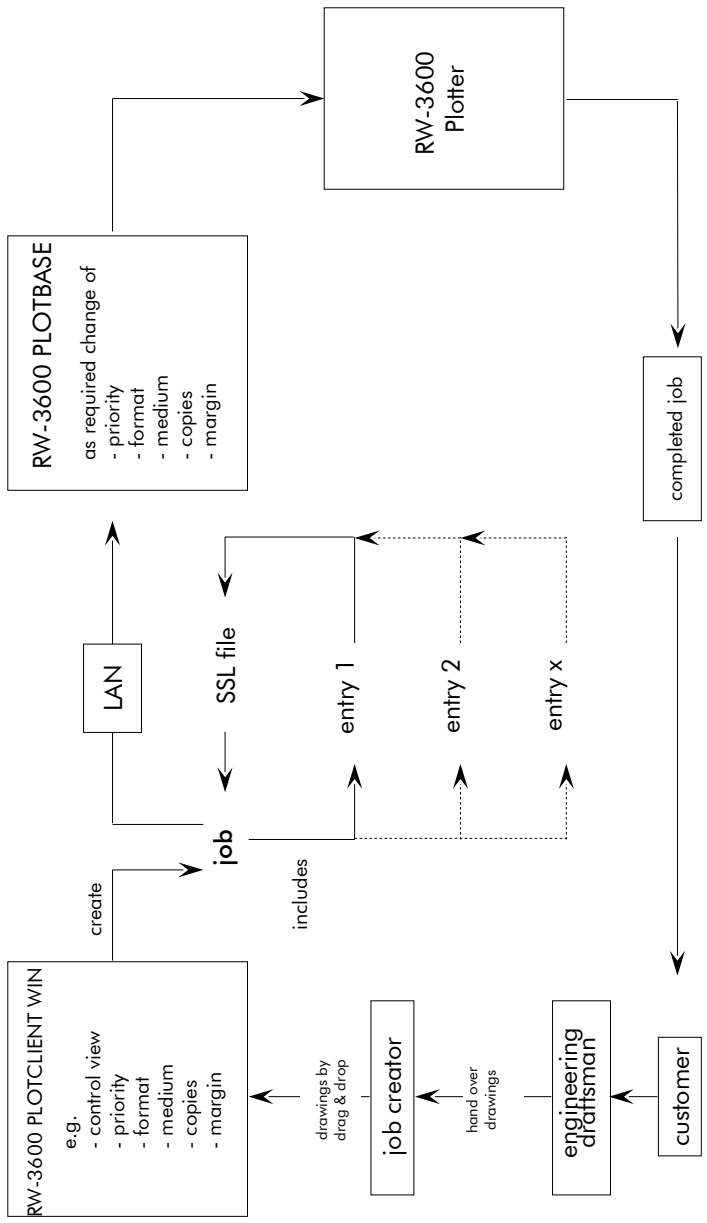


**Note:** RW-3600 PLOTBASE cannot print DWG and DXF files, that contain several single files.

2. DRAG & DROP:  
The user brings all the drawings intended for printing into RW-3600 PLOTCLIENT WIN using Drag & Drop or using the "insert entry" or "add entry" functions.
3. PREPARE ORDER:  
The user collates the drawings to form jobs in RW-3600 PLOTCLIENT WIN, assigns print settings and checks the drawing using check preview.
4. PROVISION:  
As soon as the user has produced the jobs, they automatically send them via the network [LAN] to the directories provided using the program command, "File - Print SSL", thereby making them available for RW-3600 PLOTBASE to print.
6. COLLECTION:  
RW-3600 PLOTBASE regularly reads the directories and thus checks whether new jobs are ready for printing. As soon as a job is ready, it is loaded by RW-3600 PLOTBASE and immediately appears in the job list.
7. RW-3600 PLOTBASE:  
The jobs are now in the job list ready for printing.

## **Job and entry in the chart**

The following drawing has been prepared functionally, now person-related. It is therefore possible that several functions are simultaneously carried out by one person:



## Tools

This section gives you a brief overview of the program's tools. You can blank out and insert the toolbars using the menu item "view". You work in the job editor with the main symbol bar, and use the icon bar for the file preview.

### Main symbol bar



Send job to the SSL spool folder



path

View and selection of the SSL spool



Open view information for the current plotter



Open new job



Open existing job



Backup job



Delete job



Attach entry in entry list



Insert entry in entry list



Delete entry from entry list



Refresh entries

## Icon bar



Rotate drawing 90° to the left



Rotate drawing 90° to the right



Rotate drawing through 180°



Drawing in original position



Successively enlarge drawing



Successively reduce drawing



Switch drawing to zoom all



Switch drawing to view 1:1



Multipage document: View first page



Multipage document: Back one page



Multipage document: Enter destination page



Multipage document: Forward one page



Multipage document: View last page



Open file information



Display drawing in black & white view



Display drawing in preview in gray tones





Display drawing in preview lighter,  
if gray display - has no effect on printing



Display drawing in preview darker,  
if gray display - has no effect on printing

## Presets

Before you begin with the work in RW-3600 PLOTCLIENT WIN, you must first set a few presets as e.g. determine the SSL paths or enter the SSL default values.

### Setting the SSL defaults

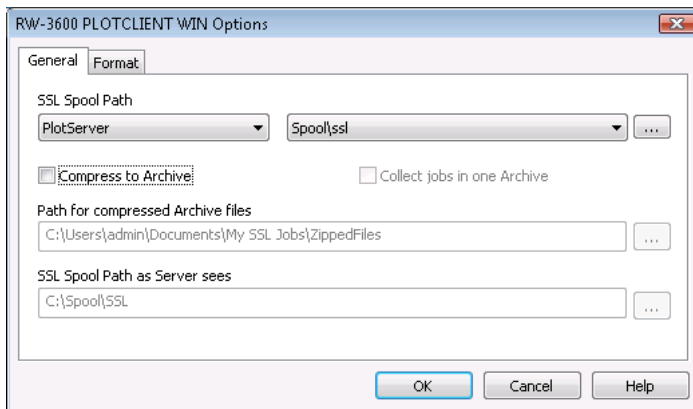
Setting of the SSL default values is automatically called up following installation, in the very first program start. Enter which values are to be the standard values for all SSL print jobs. Also, after the first program start, these default values can be changed whenever you wish. Simply open the job editor via the menu item "Settings - SSL default".

A detailed description of the possible settings is given in Chapter "Job editor" from Page 34.

### "General" tab

The "General" tab is opened via the menu item "Settings - Options".

RW-3600 PLOTCLIENT WIN takes the information on the directories, which you entered during installation and enters it in the relevant fields:



## Spool Path

The spool path is entered in two parts.

Firstly, on the left, enter the name of the server PC to which your plotter is connected, so that RW-3600 PLOTCLIENT WIN can collect the necessary [SMNP] device information for the plotter. On the right, enter the spool path: if necessary, this can apply to another computer instead of the server PC. The advantages of this two-stage approach are as follows:

On the one hand, you can provide a separate PC with operating system e.g. Windows 2000 or Windows XP to allow simultaneous access for more users.

On the other hand, it gives you the possibility of providing one RW-3600 PLOTBASE and one plotter in your network for several server PCs, so that several Client PCs with a RW-3600 PLOTCLIENT WIN can print on several plotters at the same time.

- **SSL spool path - computer**

As your network can have several server PCs with a RW-3600 PLOTBASE and a plotter, here you should select the server PC with plotter to be used for printing by the current RW-3600 PLOTCLIENT WIN .

- **SSL spool path - path**

Enter the directory for the print jobs as UNC path here. Enter the directory as stated in your internal network. You have the possibility of creating several SSL spool paths, so that here you can choose from all currently created spool paths.

- **Compress to an archive:**

RW-3600 PLOTCLIENT WIN can compress your jobs. To do so, activate the left option "Compress to archive" above the two "SSL spool path" entries. Your jobs are automatically compressed in the zip format.

If you want to send more than one job, you can also collect the jobs in one single zip file.

If after sending a print job you want to see the path with the zip file, activate the display of the "ZIP path after plotting" on the "Formats" tab.

- **Collect jobs in one archive**

It often happens that you not only want to send one single job by e-mail - as described above, but have several different print jobs. To be able to send more than one print job in only one file via e-mail, RW-3600 PLOTCLIENT WIN can compress all jobs in one single file, which is stored in zip format.

To do this you must activate the option "Collect jobs in one archive" above the two "SSL Spool path" specifications. This option can only be activated when "Compress all Plots to this Path" has been activated.

If you want the path displayed, in which the zip file is cached, activate "Show ZIP path after plot" on the "format" tab.

- **Path for compressed archive files:**

Here you can select the directory for saving the compressed jobs.

- **SSL spool path as seen by the server:**

Here you have to enter the plot path, as RW-3600 PLOTBASE sees the path. As RW-3600 PLOTBASE and RW-3600 PLOTCLIENT WIN work together via the network, there will be different drives.

## Set up SSL spool paths

If you have several devices or types of software in the in-house network for printing you can set up the corresponding SSL spool path here for all these possible print outputs. Proceed as follows:

1. Open the "Plot Path" window by clicking once on the button to the right of the path information.
2. Click once on the button "New" to select the server PC on which a spool path is already created or is to be created.  
The PLOTCLIENT WIN automatically enters the server PC and the spool paths established here in the window "Plot Path".
3. If you can see several spool paths in the window "Plot Path", select one of these and then click on "Set", so that the right spool path is available for your current work in PLOTCLIENT WIN.

You can obtain information about the print job recipient connected with the selected SSL spool folder by clicking on the following info button once:



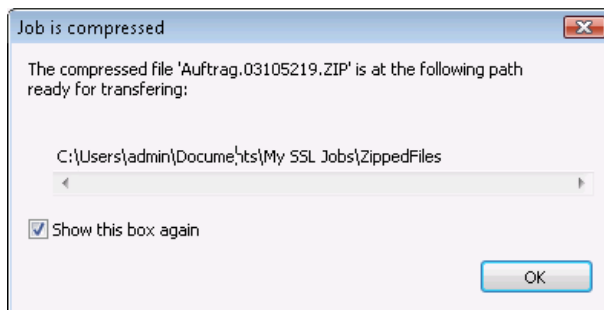
**Note:** If several spool directories have been set up on one RW-3600 PLOTBASE server PC, you will have to select the right one. Several spool directories may have been set up to give different users or user groups different access rights. Please ask your administrator which spool paths are available to you.

## "Format" tab

Open the "Format" tab via the menu item "Settings - Options". On this tab you set the size unit that is to apply for all work with RW-3600 PLOTCLIENT WIN. You can choose between "Pixels", "Millimeters" and "Inches". The current valid size unit is always displayed in the status row at the lower edge of the screen.

"[600 DPI]" shows that 600 DPI is the standard value in RW-3600 PLOTCLIENT WIN and all conversions in a conversion of size units always refer to 600 DPI.

After each print job you can also have displayed, where the program has filed the compressed files:

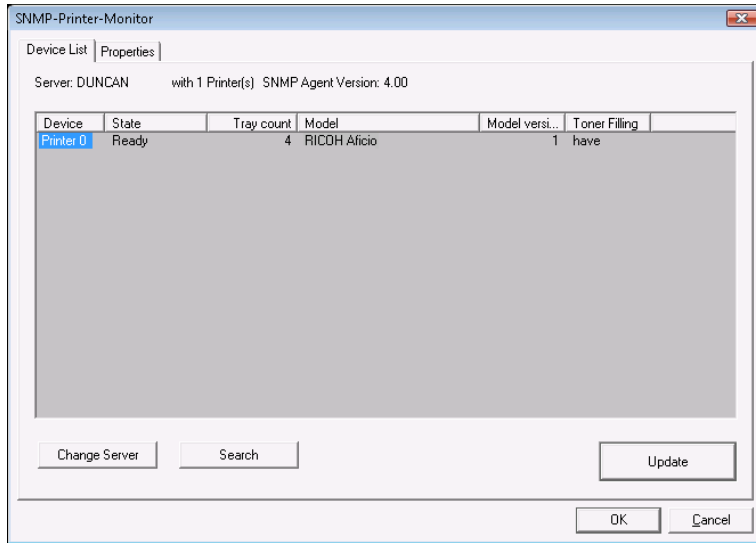


Read in the previous chapter "General" tab how you can automatically receive your print jobs from RW-3600 PLOTCLIENT WIN compressed. The "General" tab describes how to make the necessary settings.

If you have switched off renewed view of the message and want it displayed again later, activate "Show ZIP Path after plot" on the "Format" tab.

## SNMP Monitor

The SNMP printer monitor shows you the properties of the plotter connected to the system. The monitor is opened under "File - Device Information":



### "Device List" tab

The "Device List" tab gives you the following information:

- **Device**

This displays all the units connected, numbered from Printer 0 to Printer x. In the current program version however only one plotter is ever connected.

- **State**

The State displays general information, e.g. ready to print, there is an error, or paper has run out.

- **Tray Count**

This list shows the number of trays, i.e. how many reels the plotter has.

- **Model**

This brings up the complete model number, e.g. "RW-3600".

- **Model version**

Here you see the version number of the model connected.

- **Toner Filling**

Here you see the level of remaining toner.

## "Properties" tab

The "Properties" tab contains the following information:

- **Name**

Names the media source for which the adjacent columns provide additional information.

- **Media Type**

This column shows the material available on each reel, e.g. paper, transparency, foil or film.

- **Filling**

This shows you how much material remains, i.e. how much paper, transparency etc. is still available on the reel.

- **Width**

This shows the actual width of the medium being used.

- **Type**

This column shows whether the tray in question is a reel, a paper cassette, or a single sheet feed.

- **Max. Length**

Here you see the maximum possible length of the medium that can be accommodated in the tray.

- **Min. Length**

Here you see the minimum possible length of the medium that can be accommodated in the tray.



## Change language

When starting the program for the first time, your RW-3600 software comes up in the language you selected on installation of the program.

But if you want to change the language of the program, you can do that quickly and easily in three stages in Windows without any further adjustments:

1. Open the language setting using the menu point "Settings - Language".
2. Adjust the required language and press "OK" to confirm.
3. Start your RW-3600 program again.

If you always want the program to appear in the language set as standard for your Windows operating system, under point 2 you should select the option "System" with the globe instead of a language.

## Job editor

In the job editor you can change the settings for jobs and the entries included in them. Furthermore, you can also delete jobs or entries.

The individual possible settings range from the format size to the selection of the print medium and the output shaft through to details of the position of the title block.

### "Job" settings area

This section describes the general settings for all jobs, which can be adjusted on the two cards "Job Specific" and "Job Additional".

### "Job Specific" tab

On the "Job Specific" tab all entries that the user has made in RW-3600 PLOTCLIENT WIN automatically appear. You can change these details:

The screenshot shows the 'Job Editor' window with the 'Job Specific' tab selected. On the left, under 'Job:', there are buttons for 'Job', 'Default', and 'Entry'. Below that, under 'Entries:', a list shows '(01):TestPrint.tif' with a checked checkbox. The main area is divided into two sections: 'Job Specific' and 'Job Additional'. The 'Job Specific' section contains the following fields and controls:

- Job Name:** TestPrint.tif
- User Name:** Other
- Customer:** (empty text field)
- Account:** (empty text field)
- Notes:** (empty text field)
- Collate:** ☒ On
- Job Copies:** 1 (with up/down arrows)
- Sample Print:** ☒ On
- Distribution:** (empty text field)
- Page Order:** Auto (dropdown menu)
- Output:** upper (dropdown menu)
- Job Flag Sheet:** ☒ On
- Priority:** Normal (dropdown menu)
- Plotter:** auto (dropdown menu)
- e-mail:** (empty text field)
- Delete:** ☐ On

- **Job Name**

This is the name of the plot job that the user has chosen.

- **User Name**

In this field the name of the employee who collated the plot job and sent it for printing is displayed.



**Note:** Insofar as the function "User authentication" is activated at the RW-3600 plotter, make sure that the user name here is identical with the user which has been set up there, otherwise the print job will not be carried out! To keep a better check on all used user names, it is advisable always to take the user names used in the network. If you do not know the user names set up at the RW-3600 plotter, ask your administrator!

- **Customer**

Here you can enter the name of the customer, for whom the job is carried out.

- **Account**

In this field the account number of the client is entered. This can be an account number, which you assign in-house or the receiver of the invoice in-house.

- **Notes**

This field is free for your notes. You can enter up to maximum 50 characters. Please do not use any quotation marks.

- **Distribution**

In this field you enter which persons are to receive a copy of the job. You can enter up to maximum 60 characters. Please do not use any quotation marks.

- **Collate**

Activate this field if the plot job is to be printed out collated. Collated means that the entries of an order are printed out as follows when several copies are required:

E.g. you have the entries A, B and C. Three copies of each are to be produced. With activated sort ("ON") the print outs are in the sequence A, B, C - A, B, C - A, B, C. If the printout is not sorted, the complete number of entries are printed out: A, A, A - B, B, B - C, C, C.

- **Priority**

This shows what priority the job has been given by the user:

Normal, High, Low, Wait. You can alter the priority here or set it to the highest level.

- **Job Copies**

Here you can enter the number of job copies.

- **Job Flag Sheet**

Activate the "ON" field, if you want an overview of all the information that you have entered in this "Job" tab printed out on a cover sheet. You can add further information in the comments field below this, which may not have more than a maximum 50 characters. Please do not use any quotation marks.

- **Plotter**

This default cannot be changed. The RW-3600 plotter is preset.

- **E-mail**

Use of the e-mail function must be switched on in the presets. To be able to use the e-mail function, Microsoft® Outlook must be installed. Furthermore "Internet Mail" should be installed.

Here you can instruct the program to automatically send an e-mail or a message to the user following successful job completion. To send an e-mail, enter the e-mail address of the user.

- **Sample Print**

Activate this option, if you want to check the quality of a print off. Only the first set of copies will then be printed. The print off of further sets of copies is stopped, so that you can check the quality of the print off. Then you will be asked, whether you would like to continue with the print out or abort.

- **Page Order**

Here you can choose from three options of pages to be printed - standard, reverse, auto:

**standard:** The set entries are printed out in the order they are shown in the job editor ( 1, 2, 3 ... ). The order of the sheets in the resulting stack depends on the selected output tray: If the "front" tray is selected, the order of the sheets in the stack is the same as the print order: 1, 2, 3,4 ... If the "rear" tray is selected, the order of the sheets in the stack is reversed: ... 4, 3, 2, 1.

**reverse:** The set entries are printed out in reverse order ( ... 4, 3, 2, 1 ). The order of the sheets in the resulting stack depends

on the selected output tray: If the "front" tray is selected, the order of the sheets in the stack is the same as the print order: ... 4, 3, 2, 1. If the "rear" tray is selected, the order of the sheets in the stack is reversed again. The result is the original: 1, 2, 3, 4..

**auto:** The print order depends on the selected tray. The order of the sheets in the resulting stack does not depend on the selected output tray. It is forward ( 1, 2, 3, 4, ... ) in case of tray "front" and in case of tray "rear".

- **Output**

You have two possibilities for the output of your printouts on plotter RW-3600: front and rear. The standard setting is output at the front.

- **Locked Print**

If you have important print jobs, which others should not be able to see, activate the "Security" option. Your job can then not be viewed in RW-3600 PLOTBASE by any other person. In the RW-3600 PLOTBASE it only has the status "Password". Print jobs secured in this way can only be printed out by you entering the password, which you have set here in RW-3600 PLOTCLIENT WIN.



**Note:** Print jobs with password protection which cannot be printed for various reasons, e.g. incorrectly stated medium, can be deleted from the job list in RW\_3600 PLOTBASE by any user without having to state the password. This ensures that jobs which cannot be printed are not listed in the job list for longer than necessary.

- **Delete**

If you activate this option, the job is deleted again by RW-3600 PLOTBASE immediately after printing.

## "Job Additional" tab

Use the "Job Additional" card to adjust the settings for "Combine" and "Document Server":

The screenshot shows the 'Job Additional' tab in the Job Editor. On the left, there's a 'Job:' section with buttons for 'Job', 'Default', and 'Entry'. Below it is an 'Entries:' list with one entry: '(01):TestPrint.t'. The main area is divided into two tabs: 'Job Specific' and 'Job Additional'. The 'Job Additional' tab is active. It contains two main sections: 'Combine' and 'Document server'. The 'Combine' section has a 'Quantity' dropdown set to '8', a 'Paper Size' dropdown set to 'ISO A4', a 'Direction' dropdown set to 'Z', a 'Media Type' dropdown set to 'don't care', and a 'Media Source' dropdown set to 'auto'. The 'Document server' section has a 'Filename' field, a 'Username' field, a 'Password' field, and an 'Edit' button. There is also a checkbox for 'On' which is checked.

"Combine" refers to grouping together drawings for joint print-out on one single sheet. In this way, you can have up to 16 drawings printed out on one single sheet.

The "Document Server" is a memory unit in the plotter where RW-3600 PLOTBASE can send one or several documents for later printout. The documents are saved in the document server memory until they are printed out directly at the plotter, or the job is deleted in the document server. The documents saved in the document server cannot be sent to printing by RW-3600 PLOTBASE!

### Combine

- **Quantity**

Adjust how many pages you want to print on the sheet. There is a choice of 2, 4, 8 or 16 pages.

- **Paper Size**

Enter the size of the sheet of paper where the individual pages are to be printed together.



**Note:** Custom paper sizes are not supported for the feature "Combine"!

- **Media Type**

Use this selection menu to choose the media type for printing the summarized pages: any, paper, transparency, film and environment paper. The choice depends on what you have put on the rolls of your plotter.

- **Media Source**

Select one of the shafts with the rolls for the different print materials (paper, film, etc.). The rolls can differ in width.

If you choose the "auto" setting, the plotter chooses the media source corresponding to the format size of the drawing. If this medium has been used up, the plotter chooses the roll with the next larger format.

You can use the manual feed option to insert a special medium in the plotter. The print job is marked blue in the job list.

- **Direction**

Finally, indicate the order for printing the individual pages on the sheet. The "Z" direction prints the pages line by line arranged from left to right until the line is full, before beginning with the next line. The "U" direction arranges the pages in columns from top to bottom until the column is full, before beginning with the next column.

## **Document Server**

If the corresponding job is not to be printed directly but sent to the plotter's document server, activate the function with "on". Your job can contain several drawings and depends on how much memory is available in your plotter's document server. Consult your plotter manual for details if necessary. Adjust the following settings:

- **File Name**

Give an unequivocal file name to the job being sent to the document server.

- **User Name**

Also give the job a user name. This additional information is particularly useful if several users send jobs to the document server.

- **Password**

If you only want your job to be printed on the plotter by you, you can protect it with a password. To do so, click on the "Change" button and enter your password twice. As soon as the plotter selects the print command for the corresponding job, the plotter will demand the password stated here.

## "Default" settings area

The following chapters explain which default settings you can set for the entries. The default settings only apply for new entries to be added. The previous settings apply for the older entries.

## "Default Specific" tab

On the "Default specific" tab you enter the basic setting for all new entries of a job.

- **Formats**

In this section of the tab you select the drawing format, in which the drawing is to be printed. Apart from the "Original", "Win-



dow" and "Percent" options, you will also find the drawing formats, which are the usual standards in Germany, all Europe and in the USA: ISO A/B/C, ANSI A-E and ARC A-E.

In the format setting "Original" the program obtains the format size from the original file of the drawing. This is the presetting.

If you use the format setting "Window", you can freely set the values for the format width and format height, whereby the style sheet is set by the window value. The freely settable settings refer both to the alignment as well as the format size and the format margin:

Scale DX	format width
Scale DY	format height

If you want to scale the drawing smaller, set the format to "percent". In this case the "Scaling" input field becomes active and you can enter a value between 1.00 and 999.00.

If you choose one of the standard formats ISO, ANSI or ARC, you can accept the dimensions or freely change them according to your requirements:

You can use the "Window", if you set a standard format e.g. ISO A0 and want to extend the format width and format height. First set the required format and then click in "Window". You can now change the "Scale DX" and "Scale DY" values to meet your requirements.

The value  $x$  in the "Maintain ratio" window represents the side proportions "width =  $x \cdot$  height ". If you activate the "Maintain ratio" option, you can only alter the values above it for the width, i.e. the Scale DX. The Scale DY, or height is then adjusted automatically, i.e. the drawing is scaled proportionally. This can be useful e.g. if you know that the printout of a drawing is too large for the paper size available. In this case, activate the "Maintain ratio" option and reduce the value slightly, to obtain a proportionally correct printout. The "Maintain ratio" option is already activated as a standard setting.

- **Scaling**

The X-scaling input field only becomes active if you have selected the "Percent" format. Thus you can print off the drawing in

a free format of 1.00 % to 999.00 % of the original. The Scale DY input field is automatically filled with the value of the Scale DX, if you have activated the "Maintain ratio" option. If you then want to enter the Scale DY value independently, you must deactivate the "Maintain ratio" option. In this case, you must consider that the drawing will be distorted.

- **Media type and position**

Use this menu to select which type of media the drawing is to be printed on: Don't care, Paper, Translucent or Film. The selection depends on what roll of medium you have fed in the plotter. The "Position" field is used to set the symbolic position on the paper if the image is to be printed on a larger paper format. E.g. if you have a ISO A4 drawing, which is printed in original size on ISO A1, you can fix here where the drawing is to be positioned on the larger sheet.

- **Cut Mode**

The selection available is "Format". If you don't activate "Format", the plotter cuts the drawing immediately after the last data has been printed, it means synchronous. This results in optimum paper or medium use, because it produces the smallest amount of waste.

On the other hand, if you want the printout to always be cut to a standard format, no matter how much space remains unprinted, activate "Format". The plotter then always cuts to the next largest format. This can be a disadvantage if e.g. a drawing is only around 0.5 cm larger than an ISO A5 page is printed on an ISO A4 page and thus almost 50 % of the sheet remains unused. The advantage is that some folders require exact formats and you can match them using the "Format" setting.

- **Copies**

You can enter any number of copies between 1 and 999 to be printed by the job .

- **Fold program**

If a folder is connected up, here you can adjust whether your folding settings are to be used. Select the "off" option if there should be no folding.

- **Title Block**

As many folders expect the drawing head in different positions, here you can align the title block on the folder so that it is at the top after folding. With this setting, you tell the print application in which position the folder expects the title block. The program then turns the drawing into the position necessary for the folder.

- **Rotate**

Here you can say whether the drawing is to be rotated or not during plotting. Rotations of 0°, 90°, 180° and 270° are possible. When set to "Auto", RW-3600 PLOTBASE rotates automatically if this results in less waste paper

- **Border**

If you want a white border around the drawing, activate the "ON" field and enter the required spacing for all side borders. The current dimensional units are given in the status bar at the bottom of the screen.

- **Media Source**

Here you can select the trays in which the rolls with the different Printing materials (paper, translucent, etc.) are located. They can also have varying widths.

If you select the "Automatic" setting, the plotter chooses the input tray, which matches the format size of the drawing. Should this input tray be empty, the plotter uses the tray (roll) with the next largest format.

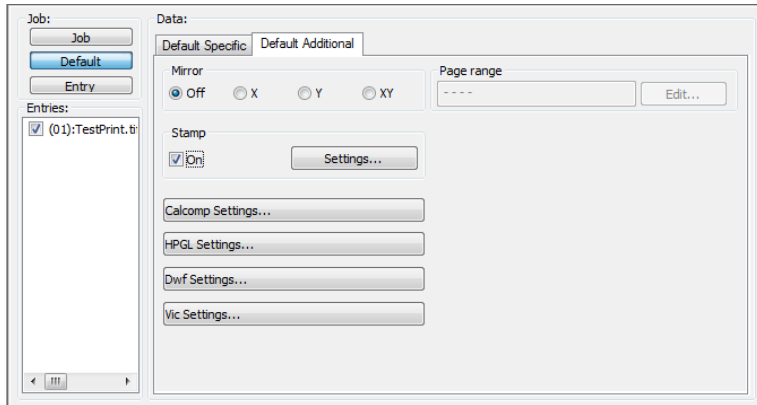
- **Invert**

If you activate this option, the drawing is inverted, i.e. black and white colors are swapped.

## **"Default Additional" tab**

The "Default additional" tab is used to enter mirroring, stamping and pen details.

The stamp editor and the pen settings (Calcomp, HPGL, DWF and VIC) are each explained in their own chapter. Please read the separate "Stamp editor" section at the end of this Chapter from Page 47 ff. and the separate chapter on "Pen settings" from Page 54 ff.



### • **Mirror**

In this area you can set whether the drawing is to be mirrored or not during plotting. The individual fields mean the following:

OFF: The drawing is not mirrored during plotting.

X: The drawing is mirrored horizontally.

Y: The drawing is mirrored vertically.

XY: The drawing is mirrored about both axes simultaneously; equates to a 180° rotation.

You usually use these settings if the drawing has been scanned and saved with a mirror inversion. This is especially important if a translucence has been scanned with mirror inversion to increase the contrast.

## **"Entry" settings area**

You can read here, which adjustments can be made for an individual entry.

If you want to alter the settings for the individual entries i.e. alter the drawings, you can do this on the two "Specific" and "Additional" tabs, which can be used to make the same adjustments as described in the "Defaults" tabs.

To begin altering the settings of an entry you must mark it in the left-hand entry list. The "Specific" and "Additional" tabs are then opened and can be edited. If you want to change back to the

job settings or defaults, click once on the "Job" or "Defaults" button above the entry list.

If you want to make entries in the "Specific" tab, read the information given for the "Default Specific" tab from Page 40.

If you want to alter the settings on the "Additional" tab, read the details for the "Default Additional" given on Page 43.

On the "Additional" tab, you can open a tab for the pen settings. To do so, click on the "Pen settings" button. When you mark an entry or a drawing, the program automatically detects the format and automatically opens the Calcomp or HPGL, DWF or VIC settings. For the pen settings, read the separate sections on pen settings from page.

You can also use the "Additional" tab to indicate the print area for multipage files.

### • Page range

For multipage files, here you can indicate which pages of the file are to be printed, if not the whole file. As well as the possibility of indicating pages "from to", you can also use the "Print" list to indicate whether to print all pages, only the even pages or only the odd pages from this page range.

The main task with RW-3600 PLOTCLIENT WIN is to collate plot jobs for RW-3600 PLOTBASE. You are free to choose whether you compile a job with one entry or with several entries. The

way of compiling jobs will be explained in the separate chapter "Collate jobs".

## Stamp editor

The stamp settings can be altered on two levels. To configure a stamp for an individual entry, select the "Additional" tab under "Entry". Now click on the "Settings" button under "Stamp". The same button can be you in the "Defaults" area on the "Extended Defaults " tab. The settings in the "Defaults" area are basic settings, in which the following must always be noted:



**Note:** Changes to the basic settings always only apply to new entries that are added. Entries already included in a job retain their settings.

In stamp editor you have two tabs in which you can alter settings. These are the "Settings" and "Data" tabs. You can define as many stamps as you like per drawing.

## Make stamp

This chapter describes how you can name and save new stamps.

Proceed as follows to configure a new stamp:

1. The first stamp entry is preliminarily named "000". Click on the following symbol to edit the stamp name:



2. You can now delete the existing name entry and enter your own name for the first stamp.
3. Now you can either enter your own settings for the stamps, as described in the following chapters or use an existing stamp configuration. To do the latter, click on the "Open" button under "Configurations". Now select a configuration that you have saved previously (read the following chapter "Stamp Configurations") from the file selection. Now save this configuration for the defaults or the entry by clicking on the button with the same name; i.e. "Save". This configura-

tion is now saved under the marked stamp name in the "Select Stamp " window.

4. You can produce as many stamps as you wish for a drawing. If you now also want to configure an additional new stamp, click on the following button:



5. Enter a name and set the desired configurations, as already described under Step 3.

## Stamp configurations

The stamp settings are usually saved for specific entries. This means that these settings only apply for one entry or a limited number of entries. However, you can also backup a stamp configuration in its own "Stamp File". It can then be used at any time for producing a new stamp, which you would like to use for other entries.

The stamp files have the file extension [\*.stp] and it is advisable that this extension is always retained.

Should you want to call up the configuration, you must use the "Open" button. The "Open", "Save [as]" or overwrite old stamp files steps are the same as those used in general file management.

## Edit or delete stamp

If you want to make changes to the stamp configurations produced, first click on the correct stamp in the "Select stamp " window and then change the settings. If you now change to another stamp or close the window by clicking on "Ok", all the settings are saved.

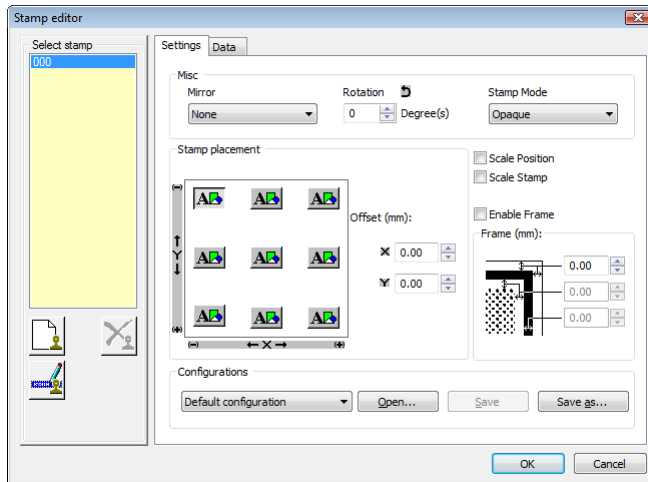
To delete a stamp, first mark it and then delete it by clicking on the following button:





## "Settings" tab

General details, e.g. on mirroring, rotation, stamp type and stamp position are made in the "settings" tab:



- **Mirror**

The standard orientation of the text is always the reader direction. You can mirror the text here in four ways:

None: The text is not mirrored and is in the reader direction.

X-mirror: The text is mirrored horizontally.

Y-mirror: The text is mirrored vertically.

XY-mirror: The text is mirrored about both axes simultaneously, which equates to a rotation of 180°.

- **Rotation**

The standard orientation of the text is always the reader direction. Here you can alter the text rotation of in 1° steps.

- **Stamp mode**

The standard setting for the type of stamp is always "opaque". There are three possible settings:

- Opaque

The stamp overwrites the area of the drawing beneath it.

- **Translucent**

In the "Translucent" setting the inserted stamp lies "beneath" the existing drawing, which means that parts of the stamp can be overwritten.

- **Inverting**

It is only the "Inverting" setting that allows both the drawing as well as the stamp to be identified in the plot, because the overlapping areas are shown inverted.

- **Stamp placement**

This is where you fix the actual position of the stamp on the drawing. The frame equates to the drawing, so that you can choose from the entries for the nine positions from "top", "centered" to "bottom".

In addition, you can shift this fixed position in the field to the right of it by a valid size unit. You set the currently valid size units for RW-3600 PLOTBASE in the configuration program and it is displayed at the bottom of the screen in the status bar.

- **Scale position**

With the "Scale position" you determine whether the stamp always retains its position relative to the edge of the drawing when the size is changed or whether the distance to the edge of the drawing should be scaled too.

- **Scale the stamp**

Use "Scale the stamp" to stipulate whether the stamp should also be scaled when there is a change in size, or whether it should stay the same size.

- **Frame**

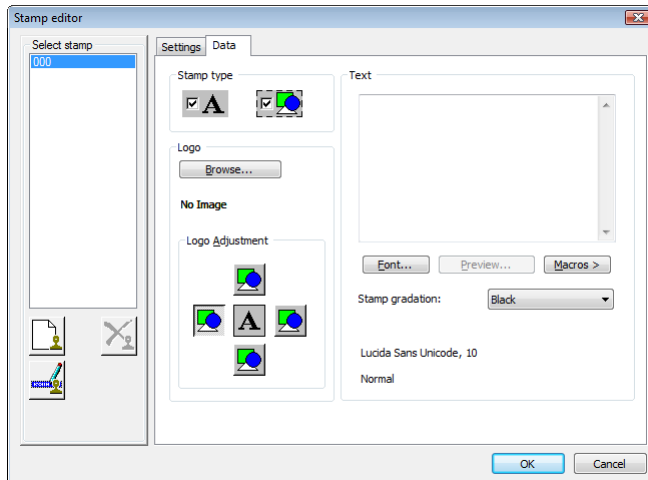
Activate the "Enable frame" field if you want a stamp frame to be printed. Three default settings can be set for the stamp frame. Here too, the settings refer to the currently valid size unit, which you can see in the status bar:

- Upper setting - stamp border: With the upper of the three settings you set the distance of the stamp to the edge of the drawing.
- Middle setting - stamp content: The middle setting gives the distance of the stamp content to the stamp frame.
- Lower setting: The lower setting is used to fix the thickness

of the stamp frame.

## "Data" tab

On the "Data" tab the user specifies the stamp text and logo. You can also change the text and text attributes on this tab or even change the logo:



- **Stamp type**

Before you can begin to enter the settings or change the other fields, you must first select the stamp type, whereby the two symbols are clear: With the "A" you activate the "Text" field, with the colored symbol you let the program know that there is a logo and activate the "Logo orientation" field.

- **Text**

In this text field you can enter the text to be "Printed" with your stamp. In the text field you can edit in the same way as in common word processing programs. Change lines by entering return [ ↵ ], you can jump to the start and end of the rows using the "Home" and "End" keys, and if your text is very long, use the "CTRL + Home" and "CTRL + End" keys to move to the first or last rows respectively..

- **Font**

The "Font" button opens the usual WINDOWS dialogue for the font attributes. Only the font color setting does not have any effect, because the color is fixed in RW-3600 PLOTCLIENT WIN with black.

- **Preview**

Use the "Preview" button if you want to view the stamp again before the final print. In this window you can move the directional arrows to move from side to side and enlarge or reduce the view using "+" and "-". The left-hand mouse button can be used to enlarge a selected area.

However, the preview only applies to the stamp itself and the arrangement of its logo and its text. The preview does not show you the stamp's position on your drawing, which you set on the "settings" tab!

- **Macros**

You can use a macro to enter a text field, which is not filled out until printed. In the preview you can only see the field function. All the file details always refer to the drawing or the entry on which the stamp(s) are printed. The following macros are available:

- Date: With this macro, RW-3600 PLOTCLIENT WIN inserts the current date of the print.
- File title: This macro only gives the actual file name of the drawing or of the entry without the path details.
- Count: This macro is suitable if you have lots of drawings or entries with the same stamp text and you want to differentiate between them by numbering them.
- Time: This macro inserts the time the drawing was stamped.
- Server name: This macro inserts the server PC name, where RW-3600 PLOTBASE is installed.
- Account: This macro inserts in the stamp the text of the job editor field "Account".
- CreationAppl: This macro gives the name of the application which was used for creating a print job.
- Customer: This macro inserts in the stamp the text of the job editor field "Customer".
- Distribution: This macro inserts in the stamp the text of the job editor field "Distribution".

- Job name: This macro inserts in the stamp the text of the job editor field "Job name".
- Notes: This macro inserts in the stamp the text of the job editor field "Notes".
- User name: The user name gives the user, who carried out the stamp function.

- **Stamp graduation**

The stamps can be printed in four different color graduations: black, dark grey, grey and pale grey. The default setting is black. But the color graduations are only available if you have adjusted the stamp types "opaque" or "transparent".

- **Logo**

Select a graphic using the "Browse" button, which is to appear in the stamp as a logo. For example, your firm's logo. The file formats that can be used are: BMP, Calcomp, CALS, CGM, CIT, EPI, EPS, HPGL, HPGL/2, HPGL-RTL (b/w), PCX, PDF, RW-3600 PS, RLC, TG4, T6X and TIFF G4. You can select from four possible positions for the logo relative to the text: above, below, right or left of the text. Select a position by clicking on it.

## Pen settings

You can change the pen settings on two levels. On the one hand in the "Defaults" area of the "Extended defaults " tab and on the other in the "Entry" area on the "Additional" tab. The settings in the "Defaults" area are basic settings, for which the following must always be noted:



**Note:** Changes to the basic settings always only refer to new entries that have been added. Existing entries already in the job retain their settings.

You can only change the pen settings for an entry if the entry has the following file format: HPGL/2, Calcomp, DWF or VIC.

One reason for wanting to change the original setting can be for example that you want to print colored lines in a file generally in black rather than in gray shades.

There are three tabs "Pens", "Colors" and "General" for each of the four file formats; formats HPGL/2, DWF and VIC also have the "Plotter setting" tab.

In the "Defaults" settings you must use the separate "Calcomp settings", "HPGL settings", DWF-settings" and "VIC-settings" buttons, because a job can contain several drawings with different formats.

If you alter the settings for an entry, RW-3600 PLOTCLIENT WIN immediately identifies the format and automatically opens the respective HPGL, Calcomp, DWF or VIC tabs via the "Pen settings" button.

## View the changes

RW-3600 PLOTCLIENT WIN provides you with an additional function, which allows you to look at the changes to the pen sizes and some of the pen colors before printing in the preview file, if changes have been made to a certain entry. To do this,

proceed as follows:

1. Activate the view using the "View - Preview file" menu item.
  2. Mark an entry in the entry list.
  3. In the job editor change to the "Additional" tab and open the "pen settings".
  4. Make your changes.
  5. Now change to the "General" tab and activate the pen source as "user".
  6. Quit the pen settings.
  7. Double click on the entry that has just been changed.
- The changes are visible in the file view. You may have to enlarge the view if e.g. the pen widths have only slightly changed.



**Note:** It is possible that if you change colors you will not see any large changes in the preview file, if you only change from 50% gray to 60% gray for gray shades say.

## VIC

The pen settings for the VIC format are almost the same as the settings for the HPGL[2] format. For the possible settings, please therefore read the following tabs to see the pen settings for "HPGL and HPGL/2".

- **Pattern style**

Four filling patterns are available for influencing pure vector graphics, so that you can produce optimized printouts for your plotter type: these are the gray patterns "halftoning", "diffusion pattern", "symmetric pattern" and "loadable pattern". As the name says, the "diffusion pattern" is a diffused gray pattern and the "symmetric pattern" is a symmetrical gray pattern. Use the setting "halftoning" to create a regular gray pattern. Select "Load a pattern" to load a pattern. Try them out to see which pattern produces the best print results.

## DWF/DWG/DXF

For the most part, the pen settings for the DWF format are the

same as the settings for the HPGL[/2] format. For the possible settings, please therefore read what it says on the tabs for pen settings for "HPGL and HPGL/2". Only the "General" tab has fewer settings for the DWF file format than for the HPGL file format. There are also differences in choosing the procedures for converting from color to black-and-white.

While for HPGL files a procedure has to be chosen for both screen data (Dither mode/ RTL) and for vector data (filling pattern), for the DWF format only one procedure is chosen for converting vector data.

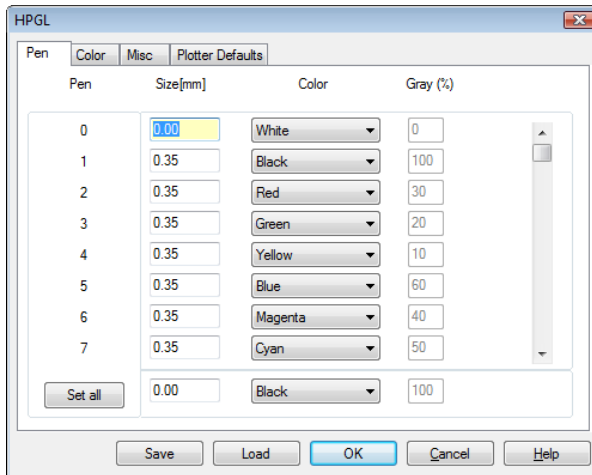
- **Pattern style**

Three filling patterns are available for influencing pure vector graphics, so that you can produce optimized printouts for your plotter type: these are the gray patterns "halftoning", "diffusion pattern" and "symmetric pattern". As the name says, the "diffusion pattern" is a diffused gray pattern and the "symmetric pattern" is a symmetrical gray pattern. Use the setting "halftoning" to create a regular gray pattern. Try them out to see which pattern produces the best print results.



## HPGL/2 - Pens

The pen attributes are set in the "Pen" tab:



- **Pen size**

Enter the pen size directly in the first column under "Size" using the keyboard. The maximum values that you can enter depend on the size unit, which you set in the configuration program. The current valid size unit is given in the status bar at the lower edge of the screen.

If you want to "Switch off" a pen, you can enter the pen widths as "0" or set the pen color as "White".

- **Pen colors**

Select the pen color in the second column under "Color". Click on the arrow to the right of the color setting and drag the mouse to the desired color. If you want to "Switch off" a pen, you can enter the pen color as "White" or the pen widths as "0".

The individual pen color should only be considered as being a "symbolic equivalent" for a gray scale value. Each color is equivalent to a %-value of gray: thus e.g. "yellow" could be represented by 10 %-Gray, "red" with 50 % gray and "blue" with 80 %- gray etc. You can set which gray scale a color represents on the "Color" tab.

If the plotter is definitely to use the pen attributes from the en-

try's corresponding SSL file, you must activate the "File" field on the "General" tab as the pen and/or color source.

- **Gray (%)**

The gray scale can only be adjusted if you have chosen "Gray" as the color. The changes are also made directly using the keyboard.

- **Set all**

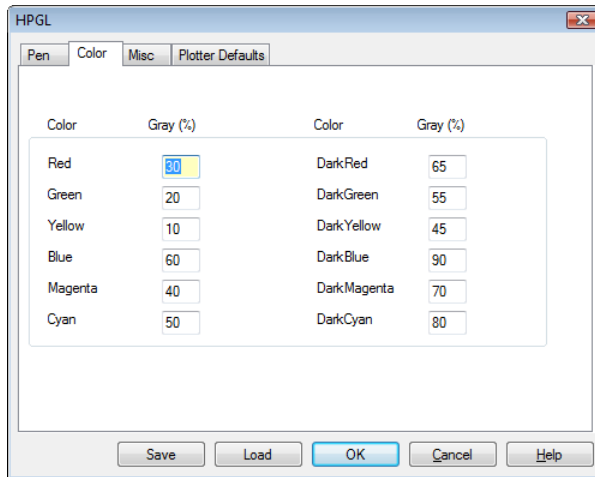
With "Set all" the program offers you a comfortable way of simultaneously setting the attributes for all 256 pens. First set the pen widths, the pen color and the gray scale and then click once on "Set all":



The image shows a horizontal control panel with four elements: a button labeled "Set all", a text input field containing "0.00", a dropdown menu currently showing "Black", and a text input field containing "100".

## HPGL/2 - Colors

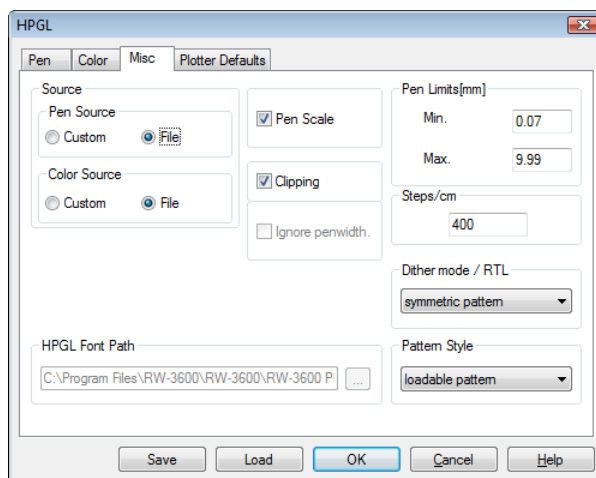
To assign the required gray scale to each of the individual colors, open the "Color" tab:



In this window you can change the gray scale, which has been assigned to each color. If you do not want to change each color, you can set all pens to "Gray" on the "Pen" tab and there you can set the individual gray values for each pen.

You can change the percentage value directly using the keyboard. Click on "OK" to quit the window and your settings are saved. If you do not want to save your changes, quit the window with "Cancel" or "ESC".

## HPGL/2 - Misc



- **Source:**

The following description applies to both pen source and color source.

If you activate "File", the details for pen thickness or pen color are taken from the plot file being printed. If no settings have been adjusted here, the plotter reverts to the standard defaults on the last card "Plotter Defaults".

If you activate "Custom", the printout uses your settings from the first two cards "Pen" and "Color".

- **Pen Scale:**

Activate the check box, if the pen widths are to be scaled with the drawing. To avoid possible loss of information during the printout, you must ensure that you have entered at least one minimum pen width in "Pen settings" if the drawing is to be reduced in size and at least one maximum pen width if the drawing is to be enlarged

- **Clipping:**

The clipping command removes the white edges on the border of the drawing. Most plotter languages differ from each other in many ways to a greater or lesser extent - including with respect to the section, which, put simply, refers to the paper size.

This fact means that undesirable printing results are obtained, if a drawing is only printed in sections or in the most unfavorable case a white sheet of paper comes out of the plotter.

The "Clipping" function is considered in the context of the widely used reference plotter "HP DesignJet 1055 / 1055 CM": If you activate the check box, the drawing is printed in exactly the same way as it was printed on the "HP DesignJet" plotter. However, undesirable printing results can result, if the plotter language of your plotter differs greatly from that of the "HP DesignJet".

If you deactivate the function, RW-3600 PLOTCLIENT WIN looks for the drawing dimensions itself and thus guarantees that the whole drawing is plotted.

- **Ignore pen width**

You can only activate this option if you have not activated the "clipping" option.

Activate the option, e.g. in case of a drawing that is exactly ISO A4 size to guarantee that it is printed on an A4 sheet and not on a printout with the next format because the pen widths are too large and the A4 format is slightly exceeded, causing unnecessary wastage.

In all cases where a drawing has exactly the same size as a standard formats, you can ensure that this drawing is printed off on this format and thus avoid unnecessary waste paper.

- **Pen Limits (mm)**

- **Min**

Using the keyboard, enter the minimum pen widths. The entry here affects all HPGL pens.

As there are plotters in which even at the finest resolution the individual pixels are not reliably reproduced, a minimum pen size is indispensable in these cases.

Should one of your settings not cover the plotter circumstances and no longer guarantee the printout of a drawing object, RW-3600 PLOTCLIENT WIN automatically adjusts the pen widths.

- **Max**

Using the keyboard, enter the maximum pen widths. The entry affects all HPGL pens.

Analog to the problem with the minimum pen widths, you can

set the maximum thickness that the pen draws, e.g. to prevent the drawn objects from overlapping when printed. Setting the maximum pen widths on the other hand is less seldom necessary.

Should one of your settings not cover the plotter circumstances and no longer guarantee the printout of a drawing object, RW-3600 PLOTCLIENT WIN automatically adjusts the pen widths here too.

- **Steps/cm**

Some time ago, most plotters had stepper motors, which ran at a varying number of steps per centimeter. In the meantime, the standard is 400 steps per centimeter. The RW-3600 PLOTCLIENT WIN therefore enters 400 as a default value, which does not normally have to be altered. Nevertheless, it is sometimes advisable to ask the customer what step number per centimeter they are used to working with to guarantee plot consistency. Furthermore, it can be necessary to make a change to reduce the DPI, to release more system memory for large drawings:



**Attention:** If you enter a larger value, you will obtain a smaller drawing: The entry 1 equates to 0.25 %. Example: if you enter 401, the drawing is reduced to 99.75 %.

- **HPGL Font path**

Here you inform the program, in which folder the fonts are to be used when printing HPGL files.

- **Dither mode / RTL**

Grey value patterns for HP-RTL files can be selected here. You can choose between the gray value patterns "Symmetric pattern" or "diffusion pattern". Test them and see which pattern best suits your graphic. To do this, you have to reload the drawing in the preview file after each change.

- **Pattern Style**

You have a choice of four filling patterns to influence a pure

vector graphic diagram so that you can produce printouts which are optimized for your plotter type.

"Round" means that a certain colored area is filled with a certain number of filled circles, which are given a certain arrangement on the area, to achieve the intended color saturation.

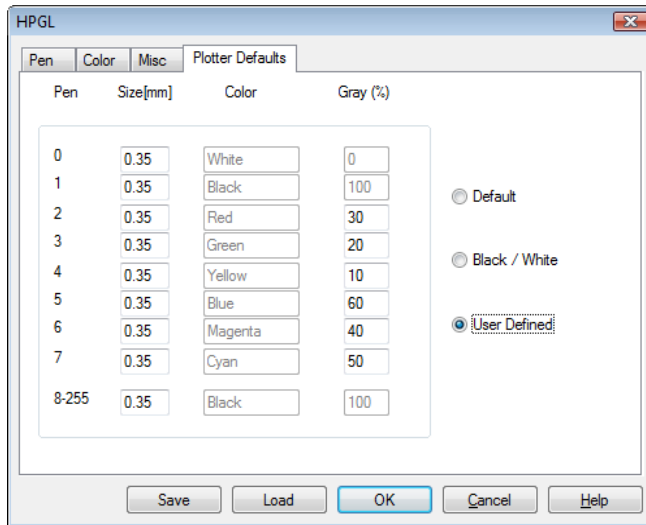
In "Random" on the other hand a percentage of color saturation is determined for the same colored area, which is then converted into the necessary number of pixel, which are randomly arranged over the area to achieve the intended color saturation.

Which is why that when circle patterns are overlapped, the covered areas cannot be as clearly identified as if two random patterns are overlapped. The recommended default setting is therefore "Random", because you can achieve the best results.

As the "Round" setting has been installed as a standard to date, this option has been retained of you do not see the need to print the same drawings differently in future.

In addition, you can also select the gray value patterns "Symmetric pattern" and "Diffusion pattern". As the name suggests, the "Symmetric pattern" produces a symmetrical gray value pattern. If you select the "Diffusion pattern" as the gray value pattern, a pattern is loaded. Try and see which pattern produces the best printing results.

## HPGL/2 - Plotter Defaults



These settings are the standard defaults or plotter defaults. They are only used if you have activated the setting "File" on the card "Misc" in the sections "Pen source" and "Color source" but there are no details for pen thickness and pen color in the corresponding plot file!

If instead of these presets you want to use special settings for your current print orders, instead of "File" you must activate "Custom" at this point, where you can then adjust your individual settings on the cards "Pen" and "Color".

The settings have the following meanings:

- **Default**

If you activate "Default", the plotter uses the settings stipulated here for the printout. They correspond to the standard values of an HP DesignJet 1055 and cannot be changed.

- **Black / White**

The printout is produced in black-and-white. Any possible grey shades are ignored. But the pen size can be changed.

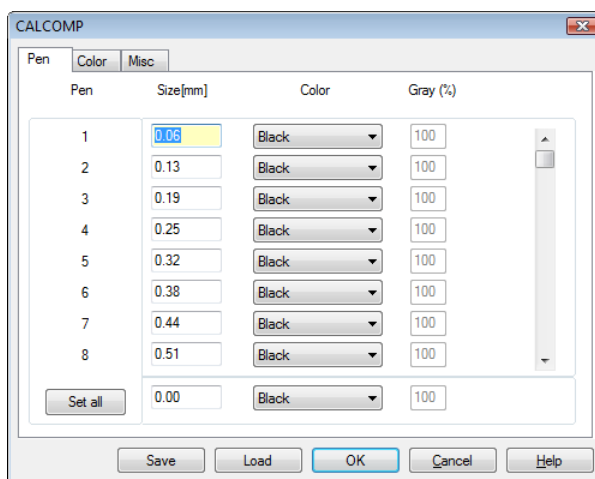


- **User Defined**

You can change the pen thickness and the grey shades, apart from the black and white pens: these settings are saved as pre-sets.

## Calcomp - Pens

The pen attributes are set on the "Pen" tab:



- **Pen size**

The pen sizes are entered directly using the keyboard in the first column under "Size". The maximum values that can be entered depend on the size unit, which you set in the configuration program. The current valid size unit is shown in the status bar at the bottom of the screen.

If you want to "remove" a pen, you can set the pen widths as "0" or as the pen color "White".

The standard values for the pen widths of the 16 Calcomp pens are given in the technical manual (Chapter "Calcomp commands and pens").

- **Pen color**

Select the pen color from the second column under "Color". Open the pull down menu and select the required color. If you

want to "remove" a pen, you can set the pen color as "White" or the pen widths as "0". You can set the gray shade that a color represents on the "Colors" tab.

- **Gray (%)**

The gray scale value can only be adjusted if you have selected "Gray" as the color. Here too the changes are made directly using the keyboard.

- **Set all**

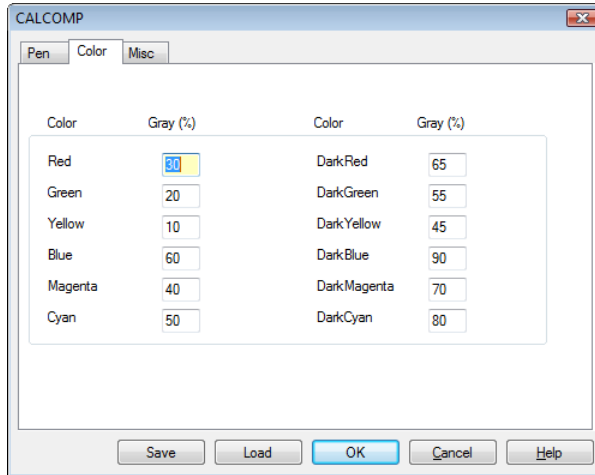
The "Set all" option allows you to set the pen attributes for all 16 pens simultaneously. To do this, first set the pen widths, the pen color and the gray scale value and then click once on "Set all":



The image shows a horizontal row of four controls. From left to right: a button labeled "Set all", a text input field containing "0.00", a dropdown menu currently showing "Black" with a downward arrow, and a text input field containing "100".

## Calcomp - Colors

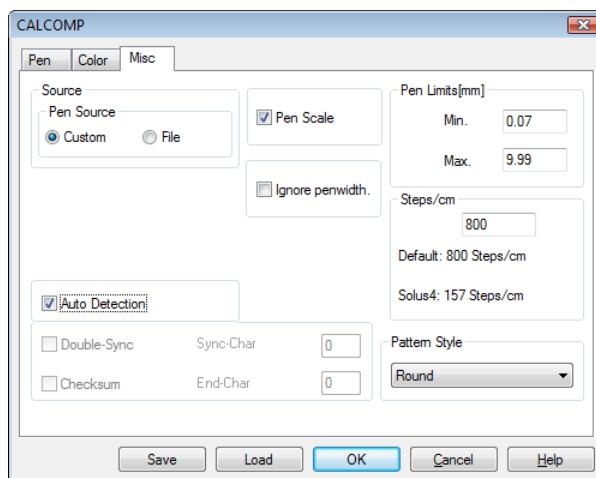
To assign the required gray scale value to each individual color, open the "Color" tab:



The change to the percentage figure is made directly using the keyboard. Quit the window with "OK" and your changes will be saved. If you do not wish to save your changes, quit the window with "Cancel" or "ESC".

In this window you can change the gray scale value, which has been assigned to each color. If you do not want to change each color, you can set all pens to "Gray" on the "Pens" tab and then set the individual gray values for each pen.

## Calcomp - Misc



- **Pen Source**

If you activate the field "File", you tell the plotter that the printout should use the pen thickness entered in the plot file belonging to the entry, and not the settings on the card "Pen". If no pen widths are defined, the program uses your settings.

If you activate "Custom" your settings are always used.

- **Pen Scale**

Activate this field if the pen widths are to be scaled at the same time as a drawing is scaled. To avoid the possible loss of information when printed ensure that have set at least one minimum pen width if the drawing is to be reduced in size and at least one maximum pen width, if the drawing is to be enlarged by scaling.

- **Ignore pen widths**

Activate this option, e.g. if a drawing is exactly the same size as a ISO A4 sheet, to guarantee that it is plotted on an A4 sheet and not on the next larger format because the pen widths were too large causing the drawing to slightly exceed the A4 format, thereby causing unnecessary waste paper.

In this way, you can ensure that a drawing that has exactly the same size as a standard format is printed on this size paper

thereby avoiding an unnecessary waste of paper.

- **Pen Limits (mm)**

- **Min**

Enter the minimum pen widths using the keyboard. The information entered here affects all Calcomp pens.

As there are plotters in which even at the finest resolution the individual pixels are not reliably reproduced, a minimum pen size is indispensable in these cases. Should one of your settings not cover the plotter circumstances and no longer guarantee the printout of a drawing object, RW-3600 PLOTCLIENT WIN automatically adjusts the pen widths.

- **Max**

Using the keyboard, enter the maximum pen widths. The entry affects all Calcomp pens.

Analog to the problem with the minimum pen widths, you can set the maximum thickness that the pen draws, e.g. to prevent the drawn objects from overlapping when printed. Setting the maximum pen widths on the other hand is less seldom necessary. Should one of your settings not cover the plotter circumstances and no longer guarantee the printout of a drawing object, RW-3600 PLOTCLIENT WIN automatically adjusts the pen widths.

- **Step size/cm**

Some time ago, most plotters had stepper motors, which ran at a varying number of steps per centimeter. In the meantime, the standard is 800 steps per centimeter. The RW-3600 PLOTCLIENT WIN therefore enters 800 as a default value, which does not normally have to be altered. Nevertheless, it is sometimes advisable to ask the customer what step number per centimeter they are used to working with to guarantee plot consistency. Furthermore, it can be necessary to make a change to reduce the DPI, to release more system memory for large drawings:



**Attention:** If you enter a larger value, you will obtain a smaller drawing: The entry 1 equates to 0.125 %.

Example: if you enter 801, the drawing is reduced to 99.875 %.

- **Pattern Style**

Three types of patterns are defined for Calcomp drawings, in which the "Pattern" command is used.

"Round" means that a certain colored area is filled with a certain number of filled circles, which are given a certain arrangement on the area, to achieve an intended color saturation.

In "Random" on the other hand a percentage of color saturation is determined for the same colored area, which is then converted into the necessary number of pixels, which are randomly arranged over the area to achieve the intended color saturation. Which is why that when circle patterns are overlapped, the covered areas cannot be as clearly identified as if two random patterns are overlapped. The recommended default setting is therefore "Random", because you can achieve the best results.

Finally, you can also select the gray value pattern "Symmetric pattern". As the name suggests, the "Symmetric pattern" produces a symmetrical gray value pattern. Try and see which pattern produces the best printing results for your graphic. To do this you must reload the drawing in preview file after each change.

- **Synchronization**

Synchronization is used to check the completeness of the Calcomp files, which have been sent from the application program. Four pieces of information are used for the synchronization settings:

- Sync character
- End character
- Double Sync
- Test sum

You can either let RW-3600 PLOTCLIENT WIN determine the values or you can enter the necessary settings yourself. If the program is to determine the values, activate "Auto detection".

We recommend that you do not alter the standard values if you want to enter the settings yourself. Should you nevertheless want

to make a change or to find out more on the topic, compare the settings with those in your CAD system or read the following section in the "Calcomp Inc." manual:

"CALCOMP - ONLINE REFERENCE MANUAL" in the section "Data Message Format".

The standard settings are:

Sync character:	2	→ [setting from 0 to 127 possible]
End character:	0	→ [setting from 0 to 31 possible]
Double Sync:	OFF	
Test sum:	OFF	

The following two examples serve as possible comparisons:

- **AutoCAD:**

Sync character:	22
End character:	13
Double Sync:	ON
Test sum:	ON

- **FordCAD:**

Sync character:	2
End character:	3
Double Sync:	OFF
Test sum:	ON

## Collate jobs

Your main task with RW-3600 PLOTCLIENT WIN is to collate [Plot-] jobs for RW-3600 PLOTBASE. You are free to choose whether you compile a job with one entry or with several entries. You can prepare fully new jobs or open existing jobs and add further entries.

To collate a new job you must proceed as follows:

1. Open a new job, either via the menu item "File - New" or by clicking once on the relevant button:



2. Assign a name to your new job.



**Attention:** The extension "\*.ssl" must be retained, so as to guarantee that RW-3600 PLOTBASE can recognize the job.

3. Now you add new entries to the job. You have three possible options for adding an entry. Refer to the following section "Add entries".
4. As soon as you have included all the entries in the job, you begin to enter the settings, which RW-3600 PLOTBASE needs to be able to print off the job as required. Please refer to the chapter "Job editor".
5. Finally, send the job to RW-3600 PLOTBASE by either selecting the menu item "File - Print SSL" or by clicking on the relevant button:





## Add entries

Newly inserted entries can have the following file formats, which are identified by RW-3600 PLOTCLIENT WIN from the file extension:

- Calcomp ..... (\*.906, \*.907)
- CALS [to MIL-STD-1840B] ..... (\*.cal)
- CALS [to MIL-STD-28002A] ..... (\*.cal)
- Intergraph ..... (\*.cit; \*.tg4)
- HP-GL [/2, RTL] ..... (\*.plt; \*.rtl)
- PCX ..... (\*.pcx)
- RLC ..... (\*.rlc)
- T6X ..... (\*.t6x)
- TIFF ..... (\*.tif)  
[Group 3,4; uncompressed; packbits; striped & tiled]
- Windows / OS2 Bitmaps ..... (\*.bmp)
- Windows Meta File ..... (\*.wmf)

The following are available as an optional:

- CGM ..... (\*.cgm)
- PDF, RW-3600PS ..... (\*.pdf, \*.ps)
- VIC ..... (\*.vic)

You can only use the following formats if you have installed a full version from AutoCAD series 2000 to 2007 or the DWF/DWG/DXF option on the server:

- DWF ..... (\*.dwf)
- DWG ..... (\*.dwg)
- DXF ..... (\*.dxf)



**Note:** RW-3600 PLOTBASE cannot print DWG and DXF files, that contain several single files.

## Add with button

To add an entry with the help of the button, proceed as follows:

1. Mark an entry in the entry list, before or after the place

where the new entry is to be inserted.

If you do mark an entry, new entries are always inserted at the end of the list.

2. Click on the relevant button on the Entry toolbar. If the new entry is to be inserted after the marked entry, click on:



If the new entry is to be inserted in front of the marked entry, click on:

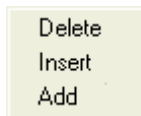


3. Select the required file, which has one of the above file formats and confirm with "OK". You can now mark several files to insert lots of drawings in one go, as in the File Manager.

## Add using the right-hand mouse button

To add an entry using the right-hand mouse button, proceed as follows:

1. Mark an entry in the entry list before or after which the new entry is to be inserted.  
If you do mark an entry, new entries are always inserted at the end of the list.
2. Keep the mouse cursor on the entry list and click the right-hand mouse button:



3. If the new entry is to be inserted in front of the marked entry, select "Insert". If the new entry is to be inserted after it, choose "Add".  
The program opens a file selection window.
4. Select the required file, which has one of the above file formats and confirm with "OK". As in Windows Explorer, you can now mark several files to insert lots of drawings in one

go.

## Add with menu item

To add an entry with menu item, proceed as follows:

1. Mark an entry in the entry list, before or after the place where the new entry is to be inserted.  
If you do mark an entry, new entries are always inserted at the end of the list.
2. Select the relevant menu item from the "Edit" menu. If the new entry is to be inserted after the marked entry, select:

Edit - add entry...

If the new entry is to be inserted in front of the marked entry, select:

Edit - insert entry...

The program opens a file selection window.

3. Select the required file, which has one of the above file formats and confirm with "OK". You can now mark several files to insert lots of drawings in one go, as in the File Manager.

## Add with Drag & Drop

To add an entry using Drag & Drop, proceed as follows:

1. Open Windows Explorer and arrange the two windows of RW-3600 PLOTCLIENT WIN and Explorer so that they are positioned next to each other or on top of each other.
2. Mark an entry in the entry list of RW-3600 PLOTCLIENT WIN, after which the new entry is to be inserted.  
If you want to insert a new entry in front of an existing entry, mark the entry in the entry list before the existing entry!  
If you do not mark any entry, new entries will always be inserted at the end of the list.
3. Change to the folder in Explorer from which you want to fetch the new entry.
4. Click on the required file with the left-hand mouse button and holding the mouse button pressed down, drag the file to

the file list of RW-3600 PLOTCLIENT WIN. You can also add several drawings in one go as in Explorer by marking several files.

## **Add multiple entries**

Sometimes, a customer job order is such that an entry has to be printed several times with different settings: e.g. if an entry is to be plotted once with A0 format on paper and the second time with A1 format on a translucence. To do this, you can also add an entry several times.

However, the program only physically inserts an entry once and if you add an entry several times, it simply sets a reference to the first entry.

Example: You insert the file "ABC.tif". This file is to be printed in format A0. For the second print out in format A1, insert the file "ABC.tif" a second time. At this moment, RW-3600 PLOTCLIENT WIN recognizes that there is already a file with the same name in the entry list and only sets a reference to the already inserted file.

This approach of the program has two particular advantages for you. On the one hand it saves space on your harddrive, is the files are very large and on the other hand, you cannot inadvertently insert a file with the same name but different content.

## **Update entries**

RW-3600 PLOTCLIENT WIN offers a convenience feature for updating entries when creating jobs.

For example, when compiling a job with several entries [drawings], after making the adjustments in the job editor and printing this job, it can happen repeatedly that individual files will have changed in the meantime before the next printout.

To avoid having to compile this job again right from the start, you can use one of the three following possibilities:

1. Open the affected job and select the menu point "File - Refresh entries".

2. Open the affected job and press "F5".
3. Open the affected job and click on the following button:



RW-3600 PLOTCLIENT WIN now sees which entries have changed. The program asks whether it should replace the affected entries with the new ones. This function saves time and effort and gives you a fast updating possibility.

## Delete entries

If you want to delete an entry from the list, use one of the two following possible methods

1. Mark the entry in the entry list that you want to delete and select the menu item "Edit - Delete entry".
2. Mark the entry to be deleted and click on the following button once:



To delete several entries you can also use the multiple selection of entries. When selecting several entries in the entry list to delete, proceed exactly as before, as you are used to from Windows Explorer: Either click with the mouse on an entry and drag the mouse cursor down to the last entry to be deleted and while keeping the mouse key depressed, where the entries to be deleted are listed one after the other or use the SHIFT - key. To mark several entries that are not listed one after the other, use the Ctrl Key, as in Explorer.

After you have inserted or appended the entries, adjust the settings for the jobs and individual entries in the job editor.

## Entry information

Before you can begin with a possible change to the settings, you can view a summary of all the currently loaded settings. Click on the white "i" for information display in the "View" toolbar:



For most file formats, only the "Drawing" tab is shown. It contains information about the image format, drawing size, used pens etc. When you open drawings in HPGL, Calcomp, DWF, or VIC format, you can also see the information tabs "Pens" and "General".

The "Pens" tab tells you about the pen settings. In addition, two symbols on the tab draw your attention to the "Status" of the individual pens: the red exclamation mark shows that the pen has been repeatedly allocated a pen thickness and/or pen color and that only the last setting can be shown here. The green tick shows that the affected pen is being used in the current drawing.

The "General" tab provides information about general pen settings (pen source, pen scale, filling pattern) which you can change in the job editor.

---

## Part II - RW-3600 WINPRINT

## Introduction

The Windows printer driver RW-3600 WINPRINT allows print jobs to be recorded from Windows applications, to then pass them directly to RW-3600 PLOTBASE as a plot job.

So you use your printer driver RW-3600 WINPRINT as any other printer via your Windows application menus "File - Print".

The RW-3600 WINPRINT will be installed on the server PC where the server software RW-3600 PLOTBASE is running. On your client PC you only have to share via network this printer driver on the server PC.



## Installation

Before you can use the RW-3600 WINPRINT, you have to install it on your client PC as a "network printer", as you have already done with every in-house network printer on your PC before.

To install RW-3600 WINPRINT as network printer, please proceed as follows:

1. Open "Printers" window via "Start - Settings - Printers".
2. Open "Add Printer" and click on "Next".
3. Choose "Network Printer" and click on "Next".
4. Type printer name including complete network path of the server PC, where RW-3600 PLOTBASE is running or click "Next" to browse in your in-house network.
5. Search for the server PC and choose RW-3600 WINPRINT.
6. Choose RW-3600 WINPRINT as standard printer or not and finish installation.

Now you can choose the RW-3600 WINPRINT from your Windows application menu "File - Print".

In the next chapter you will read about how to configure the printer parameters.

## Configuration

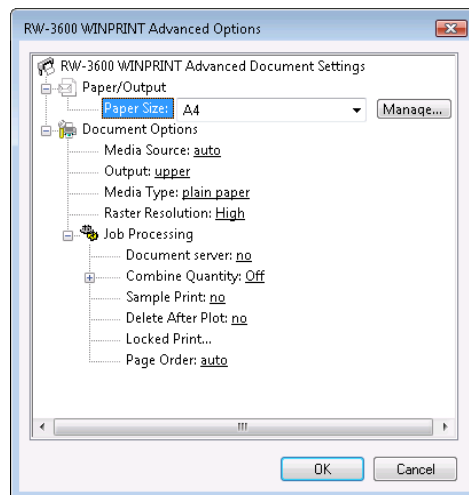
This section describes the set up of the print parameters. After entering these settings, your RW-3600 WINPRINT printer driver is ready for printing.

### Print Parameters of RW-3600 WINPRINT

This section describes the settings of the print parameters on client PCs with following 32/64 bit operating systems:

- Windows NT 4.0
- Windows 2000 Professional
- Microsoft Windows XP Professional x32 Edition
- Microsoft Windows XP Professional x64 Edition
- Windows Vista

As soon as you have installed RW-3600 WINPRINT as a "network printer" on your client PC, you can now send a print out from a Windows program to RW-3600 PLOTBASE. First you must determine several settings for the print out. In the "Print" menu of your Windows application first select the RW-3600 WINPRINT from the list field and then click on the "Properties" button. The following window opens:



All the settings categories are listed in the upper section. If you wish to specify a more precise setting, choose one of the categories. The actual setting options then appear in the lower section. You have the following setting options:

- **Paper size**

In this section of the tab you select the drawing format, to be used for printing the drawing. You will find the drawing formats: ISO A/B/C, ANSI A-E and ARC A-E.

- **[Paper Size] Manage**

Press the button "Manage" to go to the dialogue for individual management of the formats. On the left you will see all available formats, and on the right the buttons for your individual settings. On the right you can use the button "New" to adjust up to eight individual formats including name and allocation of the units of measurement.

You can remove your own individual formats from the format list again by pressing the button "Delete". You can only delete your individual formats but not the standard default formats.

The eight buttons under "Select/Deselect" can be used to adjust additional features, for example whether you want to see "All ISO" formats or "No ISO" formats. The advantage of this is that it makes the list of formats under "Paper size" more manageable so that you can select the required formats more quickly.

- **Media Source**

You can select one of the three plotter rolls offered. In addition, you can also choose the "auto" or "bypass tray" options. The "auto" option means that the plotter itself selects a suitable roll, which corresponds to the given format. The "bypass tray" option means that you feed the print medium in the input tray yourself.



**Note:** If you choose the "bypass" option, please note, that the format has to match with minimum size 210mm x 257mm.

- **Output tray**

Your plotter has two possibilities for the output of your printouts:

the upper and lower tray. The standard setting uses the upper tray.

- **Media Type**

In the lower part of the window select what type of medium is to be used for the print: Paper, Translucent, film or recycled paper. The selection depends on what you have loaded your plotter with.

- **Print to Document Server**

The "Document Server" is a memory unit in the plotter where RW-3600 WINPRINT can send one or several documents for later printout:

**File Name**

Give an unequivocal file name to the job being sent to the document server.

**User Name**

Also give the job a user name. This additional information is particularly useful if several users send jobs to the document server.

**Password**

If you only want your job to be printed on the plotter by you, you can protect it with a password. To do so, enter your password twice. As soon as the plotter selects the print command for the corresponding job, the plotter will demand the password stated here.

- **Combine**

"Combine" refers to grouping together drawings for joint print-out on one single sheet. In this way, you can have up to 16 drawings printed out on one single sheet:



**Note:** If the "Combine" function is activated, your Windows print settings for job copies will be ignored. You can change the number of copies in RW-3600 PLOTBASE afterwards.

**Quantity**

Adjust how many pages you want to print on the sheet. There is

a choice of 2, 4, 8 or 16 pages.

### **Target paper size**

Enter the size of the sheet of paper where the individual pages are to be printed together.

### **Direction**

Finally, indicate the order for printing the individual pages on the sheet. The "Z" direction prints the pages line by line arranged from left to right until the line is full, before beginning with the next line. The "I" direction arranges the pages in columns from top to bottom until the column is full, before beginning with the next column.

- **Sample Print**

Activate this option, if you wish to test the quality of a print. Only the first set of copies is printed. The print out of further sets of copies is stopped so that you can check the quality of the print. You are then asked, whether you wish to continue or abort the plot.

- **Delete after Plot**

If you activate this option, the job is deleted after printing.

- **Locked Print**

By confirming the "Properties" button, a dialog is displayed in which the user is requested to enter a password twice. After this, the print out can only be started at the server RW-3600 PLOTBASE, if the correct password has been entered. For the password, more than 32 characters can be accepted, however, it is recommended to use 4 to 32 characters!

- **Page Order**

Here you can choose from three options of pages to be printed - standard, reverse, auto:

**standard:** The set entries are printed out in the order they are shown in the job editor ( 1, 2, 3 ... ). The order of the sheets in the resulting stack depends on the selected output tray: If the "front" tray is selected, the order of the sheets in the stack is the same as the print order: 1, 2, 3,4 ... If the "rear" tray is selected, the order of the sheets in the stack is reversed: ... 4, 3, 2, 1.

**reverse:** The set entries are printed out in reverse order ( ... 4, 3, 2, 1 ). The order of the sheets in the resulting stack depends on the selected output tray: If the "front" tray is selected, the or-

der of the sheets in the stack is the same as the print order: ... 4, 3, 2, 1 If the "rear" tray is selected, the order of the sheets in the stack is reversed again. The result is the original: 1, 2, 3, 4 ...

**auto:** The print order depends on the selected tray. The order of the sheets in the resulting stack does not depend on the selected output tray. It is forward ( 1, 2, 3, 4, ... ) in case of tray "front" and in case of tray "rear".

- **Color adjustment for raster images**

More detailed information on using this module is available in the context sensitive Help. Click on the question mark in the head of the row. The mouse cursor changes into a question mark. Now click on the function to which you have a question with the left-hand mouse key. A small popup window opens with information.

After you have altered all the settings, close all the windows with "OK" and start the printing process.

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## Part III - RW-3600 PLOTCLIENT HDI/ADI

## Introduction

RW-3600 PLOTCLIENT HDI/ADI produces HPGL/2-files from the drawings and documents, which have been produced in the AutoCAD programs AutoCAD R13, AutoCAD R14, AutoCAD 2000, AutoCAD 2000i, AutoCAD LT 2000, AutoCAD Lti 2000, AutoCAD 2002, AutoCAD LT 2002, AutoCAD 2004, AutoCAD LT 2004, AutoCAD 2005, AutoCAD 2005 LT, AutoCAD 2006, AutoCAD 2006 LT, AutoCAD 2007 or AutoCAD 2007 LT . The print jobs can be sent to the RW-3600 PLOTCLIENT WIN program or directly to the RW-3600 PLOTBASE server program. Further settings can be made there, before the print jobs are sent to the RW-3600 plotter.

In the following, the installation is described first. The configuration options for your print jobs are explained in the following chapter.



## Installation

The installation of the program is carried out on a workstation, on which an AutoCAD program is installed. You will find the installation program in the shared "tools" folder of RW-3600 PLOTBASE:

\\[ServerPC]\tools\RW-3600 PLOTCLIENT HDI

1. For installation, start Windows as user with administrator rights and open Windows Explorer.
2. If Windows has already been started with administrator rights, quit all active programs resp. do a data backup.
3. Go via the network to the installation directory \\[ServerPC]\tools\RW-3600 PLOTCLIENT HDI.
4. Start the file "Setup.exe".
5. In the "Welcome" dialogue, click on "Next".
6. Click on "I accept ..." if you accept the licence agreements. Click on "I reject" if you do not accept and want to stop installation.
7. Read the information about the program and click on "Next".
8. Choose the setup type that you prefer and click on "Next". If you have chosen the option "Complete", continue with point 10, otherwise continue with the next point.
9. If you have chosen the setup option "Custom", the next window will ask you to install the Configuration tool, if you use AutoCAD 13 or 14. Click on "Next" to start this intermediate installation.
10. If you want to keep your previous installation settings, click on "install" now to install RW-3600 PLOTCLIENT HDI/ADI. RW-3600 PLOTCLIENT HDI/ADI is installed now.
11. As soon as the installation has finished, click on "Finish".

The next chapter describes installation of the HPGL/2 plotter.

## Installation of the HPGL/2 plotter

Before using PLOTCLIENT HDI/ADI with AutoCAD 13/14, an HPGL/2 plotter [HP DesignJet 1055 CM] has to be installed. This installation is described in the two sections below.

### Installation in AutoCAD 13

1. Start AutoCAD 13 and open the configuration dialogue under the menu point "Options - Configure".
2. Press "Return" once.
3. Choose option 5 "Configure Plotter" and press "Return" to confirm.
4. Choose option 1 "Add A Plotter Configuration" and press "Return" to confirm.
5. Choose option 11 "HP-GL/2 Device" and press "Return" to confirm.
6. Choose option 1 "HP DesignJet 1055 CM" and press "Return" to confirm.
7. Press "Return" once.
8. Choose the option "Parallel Port" and press "Return" to confirm.
9. Press "Return" to confirm the port name.
10. Confirm your changes in the next step with "Yes".
11. Answer the question about changing the parameters with "No".
12. Answer the question about calibrating the printer with "No".
13. Answer the question "Write The Plot In A File" with "Yes".
14. Choose the required unit of measurement and press "Return" to confirm.
15. Press "Return" to confirm the defaults in the next step.
16. Press "Return" to confirm the defaults again in the next step.
17. Leave the rotation setting at "0" and press "Return" to confirm.
18. Answer the question "Remove Hidden Lines" with "No".
19. Choose the option "Fit" [on paper] and press "Return" to confirm.
20. Leave the plotter name as the default and press "Return" to confirm.
21. Choose the option "0" to leave the configuration.

22. Choose option "0" again to finish the dialogue completely.
23. Then choose option "Yes" to save the changes you have made, and press "Return" to confirm.
24. Close AutoCAD 13 and continue with the next chapter "Configuration".

## **Installation in AutoCAD 14**

1. Start AutoCAD 14 and open the window "Preferences" under the menu point "File - Printer Setup".
2. Open the window "Add A Printer" by clicking on "New" once.
3. Choose option "HP-GL/2 Device" and press "OK" to confirm.
4. Choose option 4 "HP DesignJet 1055 CM" and press "Return" to confirm.
5. Press "Return" once.
6. Choose the option "Parallel Port" and press "Return" to confirm.
7. Perform steps 9. - 19. as described above in the section for AutoCAD 13.
8. Choose the new printer "HP DesignJet 1055 CM" and click on "Set Current".
9. Finish the dialogue with "OK".

## Configuration

To configure RW-3600 PLOTCLIENT HDI/ADI you must carry out two further configurations. First via the program's own configuration tool and then in the print dialog of AutoCAD.

### Configuration for AutoCAD 13/14 via configuration tool

If you have deactivated during installation the check box for the start of the configuration tool in step 9, start the configuration tool now via "Start - programs - RW-3600 - RW-3600 - RW-3600 PLOTCLIENT HDI ADI - Config" and enter the following settings:

- **Select Program**

Select RW-3600 PLOTCLIENT WIN, from which you wish to send your print jobs to RW-3600 PLOTBASE for printing. If you use the [HDI/]ADI Client, your presets always only apply for the current print job. If you take RW-3600 PLOTCLIENT WIN, you can add several other print jobs to your current print job and have the same presets for all.

- **Select AutoCAD version**

If you work with one of the two AutoCAD versions R13 or R14, inform RW-3600 PLOTCLIENT WIN which Version you use.

- **Configuration**

If AutoCAD 13 has not been installed with the standard paths, inform RW-3600 PLOTCLIENT WIN the two paths in which the configuration file "ACADNT.cfg" and initialization file "ACAD.ini" are. For AutoCAD 14 no settings are required.

After you have entered the settings in the configuration tool, you now only have to set up your new printer driver and enter the final presets in the print dialog of AutoCAD. You can then start printing.

## Settings for AutoCAD 13/14 in print dialog

To set up the printer with the print dialog in AutoCAD 13 or 14 proceed as follows:

1. Start your AutoCAD program.
2. Open a drawing.
3. Use "File - Plot" to go to the print dialogue "Plot Configuration".
4. Click on the button "Device and Default Selection" and then make your choice from the list of HP-GL/2 printers (e.g. HP DesignJet 1055). Press "OK" to confirm.
5. Back in the window "Plot Configuration", in the section "Additional Parameters" activate the option "Plot To File". In the AutoCAD 14 dialogue, also activate "Autospool". Press "OK" to confirm.
6. When you start the printing procedure, the window "Select Printer" appears.
7. Press "OK" to confirm the default printer.
8. In the next window "Enter Plotserver IP", enter the name or IP address of the PC where RW-3600 PLOTBASE is running and press "OK" to confirm.
9. In the window "Enter Spool Directory", enter the required spool directory and press "OK" to confirm.
10. This brings you to the window with print parameter settings for RW-3600 PLOTCLIENT HDI/ADI.

## Settings for AutoCAD 200x in print dialog

To set up the printer with the print dialog in AutoCAD 200x proceed as follows:

1. Start your AutoCAD program.
2. Open a drawing.
3. Use "File - Print" to open the window "Plotter Manager".
4. Open the dialogue "Add A Plotter Wizard" and click on "Next".
5. To select a printer, click on "My Computer" and click on "Next".
6. Select printer "RW-3600 PLOTCLIENT HDI" from the manufacturer list "RW-3600" and click on "Next".

If you cannot find the RW-3600 printer in the manufac-

turer's list, proceed with step 7. If the printer is listed, continue with step 10.

7. If the RW-3600 printer is not listed, select the option "Have disk".
8. Go to the "drv" directory of the RW-3600 PLOTCLIENT HDI program directory.
9. Enter the driver file you need for your AutoCAD and confirm with "Open":

AutoCAD 2000: "RW3600DrvACAD2000.hif"

AutoCAD 2000i, 2002: "RW3600DrvACAD2000i-2.hif"

AutoCAD 2004 - 2006: "RW3600DrvACAD2004.hif"

AutoCAD 2007: "RW3600DrvACAD2007.hif"

Now you can select the printer "RW-3600 PLOTCLIENT HDI" and click on "Next".

10. In the next window click on "Next" without importing a "PCP or PC2 file"!
11. In the next window, click on the option "Plot to File" and click on "Next".
12. Confirm the plotter name "RW-3600 PLOTCLIENT HDI".
13. Adjust the plotter configurations by clicking once on "Edit Plotter Configuration".
14. Open "Custom Properties" to adjust specific driver settings as well as the settings for medium and resolution:
  - **Server Name:** RW-3600 PLOTCLIENT HDI/ADI can be used for printing on several plotters. Here please enter the name of the plotter to be used for printing. When you enter the name, usually the corresponding spool directory will appear automatically, then press "Return" to confirm. It is then entered directly in the box "Spool Directory".
  - **Spool Directory:** If the right spool directory was not already offered automatically for you to choose, you can enter it here manually.
  - **Raster gamma correction:** With the gamma correction, to put it simply, you set the brightness of the print. The gamma correction can be used in all plotters, which work with raster data. You can set a value between 1 and 5, whereby 5 means the greatest brightness.

- **Choose RW-3600 program mode:** Here you can choose whether you always want to print your print jobs from AutoCAD as individual print jobs or whether you need to process several drawings in one drawing set together. If you want to process several drawings simultaneously for printing, activate "generate set with RW-3600 PLOTCLIENT WIN". If you always only want to send individual jobs from AutoCAD to print and always want to use the same plot parameter settings, tell the program "do not display" this dialog. If you want to decide before each print and enter new print parameters, simply let this dialog be "Display" each time".
- **Plot color merge control:** You have two options to choose. By activating "Colors merge" all levels of your drawing will be merged. At parts, where two or more colors lie on top of each other, colors will be merged. If activating the option "Colors overwrite each other" higher levels overwrite completely levels below. Translucent parts do not overwrite any colour.

15. Quit the plotter settings by clicking on "OK" twice.

After you have carried out the configurations, you can either send you print jobs from AutoCAD directly to RW-3600 PLOTBASE or to the RW-3600 PLOTCLIENT WIN. The following chapter explains the individual settings for the printer parameters.

## Presets for print jobs

As soon as you want to send the file to print, the presets for the print open, in which you enter on which medium and format you want to print or even, whether the file is to be printed rotated and mirrored. You can alter the settings for the print job on four tabs:

- Main
- Job Data
- Advanced
- Options

### "Main" tab

- **Formats**

In this section of the tab you select the drawing format, in which the drawing is to be printed. Apart from the "Original" you will also find the drawing formats: ISO A/B/C, ANSI A-E and ARC A-E.

In the format setting "Original" the program obtains the format size from the original file of the drawing. This is the presetting. If you want to scale the drawing use scaling option in AutoCAD. AutoCAD supports definition of custom defined paper formats.

- **Border**

If you want a white border around the drawing plot, enter the required spacing for all side borders. You can choose between the size units mm and inches.

- **Invert**

If you activate this option, the drawing is inverted, i.e. black and white colors are swapped.

- **Copies**

You can enter any number of copies between 1 and 999 to be printed by the job.

- **Media type**

Use this menu to select which type of media the drawing is to be printed on: Paper, Translucent, Film. The selection depends on what roll of medium you have fed in the plotter.



- **Mirror**

In this area you can set whether the drawing is to be mirrored or not during plotting. You can choose from four options

OFF: The drawing is not mirrored during plotting.

X: The drawing is mirrored horizontally.

Y: The drawing is mirrored vertically.

XY: The drawing is mirrored about both axes simultaneously; equates to a 180° rotation.

You usually use these settings if the drawing has been scanned and saved with a mirror inversion. This is especially important if a translucence has been scanned with mirror inversion to increase the contrast

- **Output**

Your plotter has two possibilities for the output of your printouts: the upper and lower tray. The standard setting uses the upper tray.

- **Media Source**

You can select one of the plotter rolls offered. In addition, you can also choose the "automatic" or "manual" options. The "automatic" option means that the plotter itself selects a suitable roll, which corresponds to the given format. The "manual" option means that you feed the print medium in the input tray yourself.

- **Rotate**

Here you can set whether the drawing is to be rotated or not during plotting. Rotations of 0°, 90°, 180° and 270° are possible. When set to "Auto", RW-3600 PLOTCLIENT HDI/ADI rotates automatically if this results in less waste paper.

- **Cut Mode**

There is a choice between "Format" and "Synchro". If you stipulate "Synchro", the RW-3600 plotter cuts the drawing off immediately after the last data. This makes optimum use of paper and medium by generating the least waste.

If on the other hand you want the printout to be cut off always in the same format no matter how much unprinted space is left, activate "Format". The plotter is instructed to always cut off in the

next largest size. The disadvantage here can be that for example a drawing which is only approx. 0.5 cm larger than an A5 page will be printed on an A4 page, thus leaving nearly 50% of the page unused. The advantage is that some folders demand exact formats, and you can fulfill this by using the "Format" setting.

- **Size unit**

Set the size units to "mm" or "inches", which apply for all settings.

- **Printer name**

This default cannot be changed. The RW-3600 plotter is preset.

## **"Job Data" tab**

If the corresponding job is not to be printed directly but sent to the plotter's document server, activate the function with "On". Your job can contain several drawings and depends on how much memory is available in your plotter's document server. Consult your plotter manual for details if necessary. Adjust the following settings:

- **User Name**

Also give the job a user name. This additional information is particularly useful if several users send jobs to the document server.

- **File Name**

Give an unequivocal file name to the job being sent to the document server.

- **Password**

If you only want your job to be printed on the plotter by you, you can protect it with a password. To do so, enter your password twice. As soon as the plotter selects the print command for the corresponding job, the plotter will demand the password stated here.

## "Advanced" tab

- **User name**

The basic settings are loaded and saved under this name. If the name used for the current plotter type is not yet available, the current settings in the windows are set as the basic settings for this user. If the user name already exists, the current settings are overwritten by the saved basic settings for this user. The maximum number of characters can be 40.



**Note:** Insofar as the function "User authentication" is activated at the RW-3600 plotter, make sure that the user name here is identical with the user which has been set up there, otherwise the print job will not be carried out! To keep a better check on all used user names, it is advisable always to take the user names used in the network. If you do not know the user names set up at the RW-3600 plotter, ask your administrator!

- **E-mail**

Enter the e-mail address to which the RW-3600 PLOTCLIENT HDI/ADI should automatically send a message following successful completion of the plot job.

- **Account**

In this field the account number of the client is entered. This can be an account number, which you assign in-house or the receiver of the invoice in-house.

- **Locked Print**

By confirming the "Enter password" button, a dialog is displayed in which the user is requested to enter a password. After this, the print out can only be started at the server RW-3600 PLOTBASE, if the correct password has been entered.

- **Priority**

Set the priority of the print job. If several print jobs are in the queue, the job with the highest priority is plotted first.

- **Delete file after print**

Activate this option, if the job is to be deleted immediately following successful print out.

- **Sample Print**

Activate this option, if you want to check the quality of a print off. Only the first set of copies will then be printed. The print off of further sets of copies is stopped, so that you can check the quality of the print off. Then you will be asked, whether you would like to continue with the print out or abort.

- **Stamp**

Here you can adjust whether a stamp should be printed or not.

- **Stamp text**

Enter the brief text to be printed on the drawing as a stamp.

- **Size**

Set the font size for the stamp text. You can set the value between 10 pt to 48 pt.

- **Rotate**

If you wish the stamp to be rotated on printing, enter the angle of rotation.

- **Position**

With this option you can fix the position of the stamp text on the drawing. You can choose between nine positions.

## "Options" tab

- **Server name**

Enter the name or IP address of the PC where RW-3600 PLOTBASE is running.

- **Spool folder**

A dialog is opened with the "Find" button, in which the user can search for the spool folder on their computer or in the network.

- **Save as basic settings**

The current settings are saved for the current user name and plotter type by pressing the confirmation button.

The user-defined settings in RW-3600 PLOTCLIENT HDI/ADI are saved using the button "Save as basic settings" on the card "Options".

After every program start, the settings of the user currently logged on to the operating system are loaded. If you want to change to the settings of another user, log on to the system as this user or load his settings by entering the required user under "User name" on the card "Advanced" and then change to another field with the mouse or tab button.

- **Reinstate basic settings**

The settings saved for the current user name and plotter type are loaded and the dialogs are updated.

- **Select mode**

RW-3600 PLOTCLIENT HDI/ADI can be used in different modes:

- Display this dialog: When starting RW-3600 PLOTCLIENT HDI/ADI, this dialog is always displayed for editing the job settings.
- Do not display this dialog: When starting RW-3600 PLOTCLIENT HDI/ADI, no dialog is displayed and the print job is printed with the settings from the user's basic settings for the current plotter type.
- Generate set with RW-3600 PLOTCLIENT WIN: When starting RW-3600 PLOTCLIENT HDI/ADI, RW-3600 PLOTCLIENT WIN is started and the plot file is transferred to this program. The RW-3600 PLOTCLIENT WIN can then be used with SSL commands to produce a complete job set

made up of the individual print files.

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## Part IV - RW-3600 PLOTCLIENT WEB

## Introduction

RW-3600 PLOTCLIENT WEB is a program for creating plot jobs. It enables you to collect job-based jobs at any computer within a network and to send them to RW-3600 PLOTBASE either via the intranet or via the internet, with the possibility of stipulating numerous print parameters.

RW-3600 PLOTCLIENT WEB is capable of automatically processing whole sets of documents or drawings.

The output parameters for plotter and folder can be changed freely as required.

## Start application

Make sure that you have activated Java Script on the client PC before starting the RW-3600 PLOTCLIENT WEB in the browser like this:

- **On the server PC**

Use the start menu: "Start - Programs - RW-3600 - RW-3600 - RW-3600 PLOTCLIENT WEB".

Or use the desktop icon "RW-3600 PLOTCLIENT WEB".

- **On another PC in the network**

Enter the following address in the address line of your browser:

`http://[Host name of the PC|WEB Server]`

The log in procedure asks you to enter a user name and a password. During installation, a user was created with administrator rights. Immediately after installation, the access data for this user are:

- User name: **admin**
- Password: **admin**

There is also a default user with limited use rights. The access data for this user are:

- User name: **demo**
- Password: **demo**

After starting the program for the first time, first of all you



should change the administrator password.

To finish your RW-3600 PLOTCLIENT WEB session, please log off with the "Logout" button at the top of the program window.

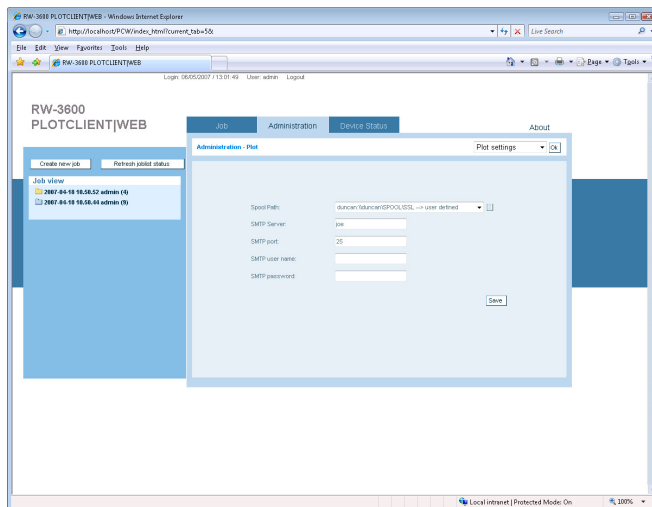
If you do not make any adjustments or click on anything for 20 minutes, you will be automatically logged off from RW-3600 PLOTCLIENT WEB.

## Configuration

The program is configured by an administrator on the "Administration" tab. The administrator can access the "Administration" tab from any computer in the network. The following settings can be changed on this tab:

- Plot settings
- Manage users
- Global settings
- Internationalisation

## Plot settings



## Sending sets to RW-3600 PLOTBASE

Users send sets to a directory of RW-3600 PLOTBASE (spool directory). RW-3600 PLOTBASE accesses this directory at certain time intervals, forwards the files existing there to the plotter for printing and deletes them from the "Spool directory".

The spool directory is found automatically and called:

`\\[Host name of the plot server]\Spool\SSL`

If you want to use another "spool directory" rather than the one stated in RW-3600 PLOTBASE, please proceed as follows:

1. On the "Administration" tab, select "Plot settings" in the selection list.
2. Click on the "Add spool path" button.
3. Enter the PC (host name or IP address) on which RW-3600 PLOTBASE is installed in the input box "Plotbase server".
4. Enter the complete UNC path of the spool path (e.g. `\\plotServer\spool\ssl`) in the field "UNC-Spool-path".
5. Click on "Save".



**Attention:** Ensure that RW-3600 PLOTCLIENT WEB has writing rights in the "Spool release" of RW-3600 PLOTBASE. Contact your network administrator if there are any problems.

## E-mail notification

The e-mail notification informs the users whether RW-3600 PLOTBASE has received their sets. Configure this function for e-mail dispatch and modify the e-mail notification if necessary.

Proceed as follows to configure e-mail dispatch:

1. On the "Administration" tab, select "Plot settings" in the selection list.
2. Enter the SMTP host (mail server address) and the SMTP port (standard setting port 25).
3. Enter the SMTP user name and the SMTP password if your

mail server needs these entries.

4. Click on "save".

## Manage users

The preset users are "admin" and "demo". The "admin" user has all rights and cannot be deleted.

Proceed as follows to create a new user:

1. On the "Administration" tab, select "Manage users" in the selection list.
2. Enter the following data for the user account:

**User name:** Enter the name with which the user logs into RW-3600 PLOTCLIENT WEB.

**Password:** Enter the password with which the user logs into RW-3600 PLOTCLIENT WEB.

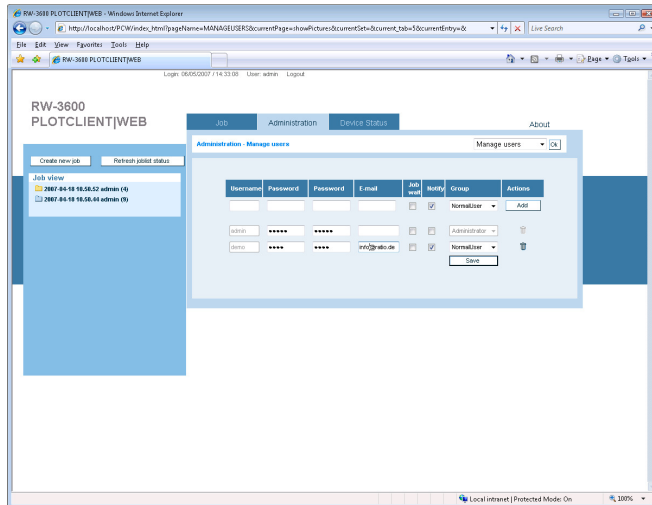
**E-mail:** Enter the e-mail address for e-mails in the " e-mail notification" function.

**Job wait:** If this option is activated, the user's jobs are given the "Waiting" status in the RW-3600 PLOTBASE queue. This option is beneficial particularly for users who send their print jobs via the internet. Here the administrator can check that the print data have arrived completely and without errors before starting the print process.

**Notify:** Click on the "Notify" button if necessary to activate the e-mail notification function. The user is then informed by e-mail when RW-3600 PLOTBASE has received his plot job successfully.

**Group:** Select the corresponding group for the user:

- **Administrator:** Has all administrative rights and can configure RW-3600 PLOTCLIENT
  - **Normal user:** Has only limited user rights.
3. Click on "Add".



Proceed as follows to delete a user:

1. On the "Administration" tab, select "Manage users" in the selection list.
2. Click on "Delete" after the user to be deleted.

## Global settings

You can use "Global settings" to process the e-mail settings for all users.

Proceed as follows to modify the e-mail notification:

1. On the "Administration" tab, select "Global settings" in the selection list.
2. If necessary, edit the input box for the e-mail header. The boxes <username>, <setname> and <date> are variables which you can use if necessary for automatic entries. This ensures that the user is addressed with his user name, the plot job is named with the job name and the current date is used.
3. Edit the input box for the e-mail footer if necessary.
4. Press "Save" to confirm your inputs.

The following address is automatically used as sender of the e-mail:

PLOTCLIENTWEB@plotbase.com

An e-mail notification can then look like this, for example

## Internationalisation

Here you can adjust the units of measurement and output formats for certain geographic regions.

Proceed as follows to change the units of measurement used in RW-3600 PLOTCLIENT WEB:

1. On the "Administration" tab, select "Internationalisation" in the selection list.
2. Select "mm" or "inch" in the selection list.
3. Press "Save" to confirm your inputs.

In adjusting the "Output formats", you can select which format family is featured first in the corresponding selection lists in RW-3600 PLOTCLIENT WEB. Proceed as follows:

1. On the "Administration" tab, select "Internationalisation" in the selection list.
2. Select "ISO", "ARC" or "Ansi" in the selection list.
3. Press "Save" to confirm your inputs.

## Creating print jobs

In RW-3600 PLOTCLIENT WEB you can put print jobs together and stipulate various print parameters.

## File formats

The following file formats can be used in RW-3600 PLOTCLIENT WEB:

- CALS [nach MIL-STD-1840B] ..... (\*.cal)
- CALS [nach MIL-STD-28002A] ..... (\*.cal)
- HP-GL [/2, RTL] ..... (\*.plt, \*.rtl)
- Intergraph ..... (\*.cit)

- PCX..... (\*.pcx)
- RLC..... (\*.rlc)
- T6X..... (\*.t6x)
- TIFF..... (\*.tif)
- Windows / OS2 Bitmaps ..... (\*.bmp)

An additional license has to be acquired for the following file formats:

- PDF..... (\*.pdf)
- Postscript..... (\*.ps, \*.eps)
- DWG ..... (\*.dwg)
- DXF..... (\*.dxf)
- DWF..... (\*.dwf)
- VIC ..... (\*.vic)

The following file formats can be processed but not displayed:

- Calcomp ..... (\*.906, \*.907)
- CGM..... (\*.cgm)
- WMF ..... (\*.wmf)

## Workflow

This section explains firstly how to proceed when creating a plot job. The following sections provide detailed explanations about individual steps:

1. **Start program:** Start a browser program and open the start page of RW-3600 PLOTCLIENT WEB by entering the address in your browser.

*http://[Host name of the PC|WEB server]*

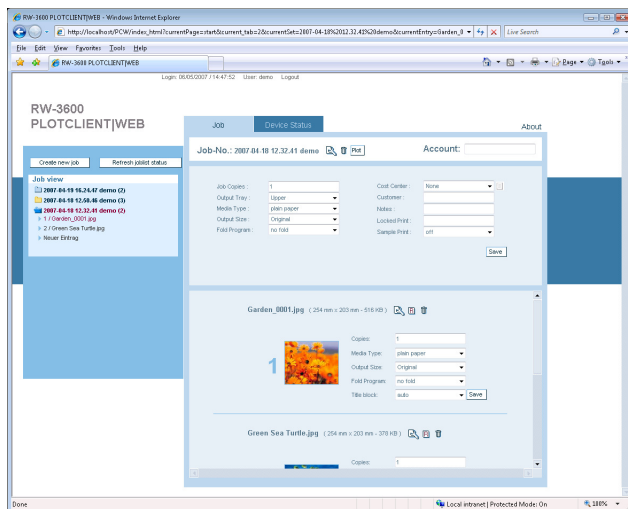
2. **Log in:** Log in with your user name and password. Access is only granted to users who have already been entered in the user configuration by the administrator. Please ask your administrator which user name and which password he has allocated to you. Click on "Log in" to confirm the details.
3. **Create job:** First of all, create a new job.
4. **Select files:** Upload the drawings and documents to be printed onto the server or select them from a collection of

already uploaded files.

5. **Adjust job settings:** Now select the print parameters which are to apply jointly to all the drawings and documents in a job for printing.
6. **Adjust entry settings:** Then select the print parameters which apply only to individual entries.
7. **Send job for printing:** Now send the plot job to RW-3600 PLOTBASE.
8. **E-mail notification:** If the corresponding setting is activated in your user account, you will be informed automatically by e-mail that RW-3600 PLOTBASE has successfully received your plot job.

## "Job" tab

The "Job" tab is divided into three sections:



- **Job head**

This shows the job name, with buttons to the right for editing the detail settings and for deleting the job.

- **Job settings**

This is where the main settings for the job are edited.

- **Entry view**

The entries of a job are shown here. Above every entry, you can see the file name, the image size in the selected unit of measurement and the file size in kb. Next to it there are buttons for editing the detail settings, replacing the image and deleting the entry.

## Create jobs

In RW-3600 PLOTCLIENT WEB, a print job is called "Job" . A job consists of all drawings and documents which are sent under a job name together with the print settings to RW-3600 PLOTBASE and later printed out by the plotter in one print cycle. The individual drawings and documents of the job are called "entries".

The job name is allocated automatically. It consists of the time (date and time) at which the job was created, the user name and the number of entries contained in the set, e.g.:

"2007-31-12 15.08.37 User name".

After logging in, the start page shows all the sets already created by the logged in user. To go to this page while using the program, click on the RW-3600 PLOTCLIENT WEB logo in the top left corner of the program.

Now create a new job by clicking on the "New job" button: this is at the top on the left, over the display of the job view.

## Job view

The job view is displayed on the left side of the screen while the program is in use. The color of the "Folder symbol" before the job name indicates the editing status:



## RW-3600 PLOTCLIENT|WEB



- **Blue:** The job has just been created or has been already printed and then changed again.
- **Yellow:** The job has already been sent to RW-3600 PLOTBASE, but has not been printed yet.
- **Green:** The job has been sent to RW-3600 PLOTBASE and has already been printed.
- **Red:** An error has occurred in RW-3600 PLOTBASE and the job could not be printed.

Click on the "Refresh joblist status" button to update the display of the editing status.

### Delete jobs

Proceed as follows to delete a job:

1. In the "Job view", click on the job that you want to delete.
2. Click on the "Delete job" button to the right of the corresponding job.
3. Press "Delete" to confirm that you want to delete the job.

## Select files as entries

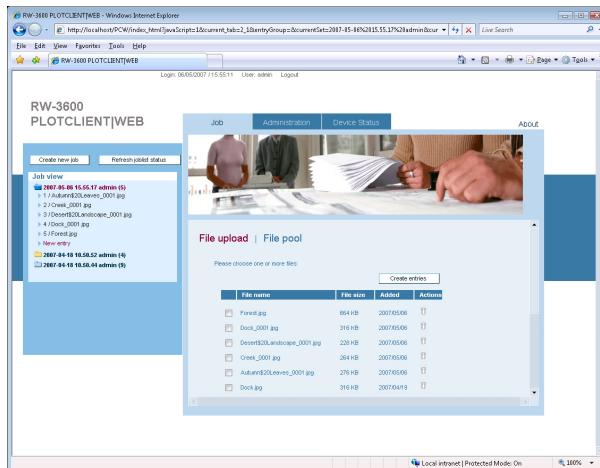
The "File upload" function can be used to upload various files for printing in a "File pool" onto the RW-3600 PLOTCLIENT WEB server.

These files are saved in the "File pool" on the server under the name of the logged in user. These are available for creating new sets as soon as the user logs in to RW-3600 PLOTCLIENT WEB.

The files are listed in the "File pool" with the latest document in the top position. If files with the same name are uploaded repeatedly in the "File pool", the file names are incremented.

Proceed as follows to select a file for a job and upload it to the RW-3600 PLOTCLIENT WEB server:

1. Click on the "New entry" button at the end of the job for which you want to create a new entry.
2. You can now see the "File upload" section. Select a file using the "Browse" button.
3. Proceed in the same way to select more files if necessary.
4. Click on the "Upload" button to upload the selected files to the RW-3600 PLOTCLIENT WEB server. The files are now added to the job as new entries and also saved in the "file pool".



Proceed as follows to select a file for a job when the file is already in the "file pool":

1. Click on the "New entry" button at the end of the job for which you want to create a new entry.
2. Click on the "File pool" button.
3. Click on one or several files to select them.
4. Click on the "Create entries" button.

To delete files from the "file pool" at a later point in time, simply click on the "Delete" button after the corresponding file. Note that files can only be deleted from the "file pool" if they are not currently being used in a job.

## **Edit entry files**

You can replace the file for an entry. All settings made for the previous file are preserved for the new file. Proceed as follows:

1. In the job view, click on the job where you want to replace a file.
2. Click on the "Replace file" button next to the corresponding entry.
3. Select another file using "File upload" or from the "file pool".

## **Delete entry files**

Proceed as follows to delete an entry:

1. In the job view, click on the job where you want to delete an entry.
2. Click on the "Delete entry" button next to the entry you want to delete.

## **Showing entries in the quick view**

You can have the entries shown in a screen-filling quick view. For multipage documents you can scroll through the individual pages in this quick view.

Proceed as follows:

1. Click on the mini view of the entry where you want to see a quick view.
2. To see the document in its original file format, click on the button "Open the original document in a new window".

3. For multipage documents, use the "Previous" and "Next" buttons to scroll through the document.

## **Adjust job settings**

Click on a job to edit its job settings. Sets have main settings and detail settings.

### **Main settings**

You can edit the main settings after clicking on a job directly on the "Job" tab.

- **Account**

The customer's account number is entered in this box. This can be an account number issued internally or an internal invoice recipient.

- **Job copies**

This box shows how many copies of a job are to be printed. If you want to print copies of a set, add the number of required copies here.

- **Output tray**

Select one of the trays containing rolls with varying print materials (paper, foil, etc.). You have two possibilities for producing your printouts on the plotter: "front" and "rear". In the default setting, the printout is produced at the front.

- **Media Type**

This selection menu is used to select which type of media is to be used for printing the drawing. The selection depends on what material is in the plotter rollers.

- **Output Size**

Enter the required output size here. You can keep the original size, or select one of the specified formats. This includes the usual formats used as standards in Europe, Asia and in the USA.

- **Fold program**

If a folder is connected, here you can adjust whether your fold settings should be used. Click on "no fold" if folding is not re-

quired.

- **Cost center**

If necessary, select a cost center for your print job from the list of entered cost centers. Administrator rights are needed to enter a new cost center. Proceed as follows: Use the "Edit" button and click on "Add". Name the new cost center and click on "Save" to confirm your inputs.

- **Customer**

Enter the customer's name here.

- **Notes**

This box is free for your remarks.

- **Locked print**

To protect a set, enter a password here and click on "Save". The print job locked in this way can only be printed on the RW-3600 PLOTBASE server PC if the correct password has been entered.

- **Sample print**

For a large print job with several job copies, it can be a good idea to do a trial print of every entry. You can then check the quality before printing the other job copies. To do so, activate the "Sample print" option.

## Detailed settings

To edit the detailed settings, click on the "Edit job" button. The detailed settings offers the two settings pages "Plot" and "Document Server".

### Detailed settings "Plot"

- **Page order**

Here you can select the order in which the printed entries should lie in the output stack.

**Auto:** In this setting, the printouts lie in the output tray in the order of the entry view, regardless of whether you select the "front" or "rear" tray.

**Standard:** The entries are printed in the order of the entry view. The order in which the printouts finally lie in the output

stack depends on the tray setting of your plotter. A second output tray possibly presents the printouts in the reverse order.

**Reverse:** The entries are printed in the reverse order of the entry view.

- **Distribution**

In this box you can enter which recipients are to receive a copy of the printout.

- **Combine**

Combine means printing several print pages together on one single sheet. You can print up to 16 drawings on one sheet.

The two style types: "И - direction" and "Z - direction" indicate how the individual drawings are to be arranged on the sheet. In the "Z - direction", the drawings are arranged on a line from left to right until the line is full, before starting the next line. In the "И - direction", the drawings are arranged in a column from top to bottom until the column is full, before starting the next column.

- **Paper size**

Enter the paper size for the sheet being used for printing. This setting is valid, when "Combine" is activated.

- **Media source**

Select one of the trays containing rollers with different materials (paper, transparency, polyester, etc.).

If you select the "auto" setting, the plotter selects the media source corresponding to the format size of the drawing. If this medium has been used up, the plotter uses the roller with the next largest format. The option "manual" can be used for printing with a special medium. This setting is valid, when "Combine" is activated.

- **Media type**

Select which type of medium should be used for printing the drawing. The selection depends on the rollers in the plotter. This setting is valid, when "Combine" is activated.

### Detailed settings "Document Server"

The "Document Server" is a memory unit in the plotter to which RW-3600 PLOTBASE can send one or several documents for printing later.

The documents are saved in the "Document Server" until printing the job is triggered directly at the plotter or until the job is deleted at the "Document Server". Documents saved in the "Document Server" can no longer be sent for printing by RW-3600 PLOTBASE!

If a job is not printed directly but should be sent to the plotter "Document Server", press "On" to activate this function and adjust the following settings:

- **User name**

Give the job an additional user name. This additional information is particularly useful when several users send jobs to the "Document Server".

- **Password**

If you want to ensure that no one else can print your job at the plotter, you can protect it with a password. As soon as the print command is selected on the plotter for the corresponding set, the plotter will demand the password entered here.

- **File name**

Give a unique file name to the job being sent to the "Document Server".

### Proceed with entry settings

Click on a job to edit its entry settings. There are main settings and detailed settings for entries.

### Main settings

You can edit the main settings after clicking on a job directly on the "Job" tab.

- **Copies**

This box shows how many copies of an entry are to be printed.

If you want to print copies of an entry, add the number of required copies here.

- **Medium**

This selection menu is used to select which type of medium is to be used for printing the drawing. The selection depends on what material is in the plotter rollers.

- **Size**

Enter the required output size here. You can keep the original size, or select one of the specified formats. This include the usual formats used as standards in Europe, Asia and in the USA.

- **Fold program**

If a folder is connected, here you can adjust whether your folding settings should be used. Click on "off" if folding is not required.

- **Title block**

Many folders expect the title block in different positions, so you can use this function to align the title block on the folder so that it is at the top after folding. With this setting, you tell the print application in which position the folder expects the title block. The program then turns the drawing into the position necessary for the folder.

## Detailed settings

To edit the detailed settings, click on the "Edit entry" button.

- **Media source**

Select one of the trays containing rollers with different materials (paper, transparency, polyester, etc.).

If you select the "auto" setting, the plotter selects the media source corresponding to the format size of the drawing. if this medium has been used up, the plotter uses the roller with the next largest format. The option "manual" can be used for printing with a special medium.

- **Media position**

To print the image on a larger paper format, you can adjust the



position of the printout on the paper here. For example, if you have an ISO A4 drawing to be printed in original size on ISO A1, here you can stipulate where the drawing is position on the larger sheet. In the "auto" setting, the printout is positioned at the top on the left.

- **Border**

If you want a white border around the drawing when plotting, click on the "Details" button.

Enter the required spacing for all borders and click on "Save".

- **Cut Method**

There are the two settings "Format" and "Synchro". In the "Synchro" setting, the plotter cuts the drawing off immediately after the last printed data to warrant optimum use of paper and medium. This generates the least waste.

In the "Format" setting, the printout is always cut off in a standard format, regardless of how much space remains unprinted. Choose this setting if for example you need exact formats for your folder.

- **Rotate**

Here you can adjust whether the drawing is to be rotated during plotting or not. The drawing can be rotated through 0°, 90°, 180° and 270°. In the "Auto" setting, RW-3600 PLOTCLIENT WEB turns the drawing automatically if this results in less paper waste.

- **Mirror**

Here you can adjust whether the drawing is to be mirrored during plotting or not. Four options are available:

**OFF:** The drawing is not mirrored during plotting.

**X:** The drawing is mirrored along the X-axis.

**Y:** The drawing is mirrored along the Y-axis.

**XY:** The drawing is mirrored along both axes at the same time. This corresponds to rotating through 180°.

As a rule, you will need this setting if the drawing has been scanned and saved side-inverted. This matters particularly when transparencies were scanned side-inverted to increase the con-

trast.

- **Invert**

If you activate this option, the drawing is inverted, i.e. the black and white colors are swapped over.

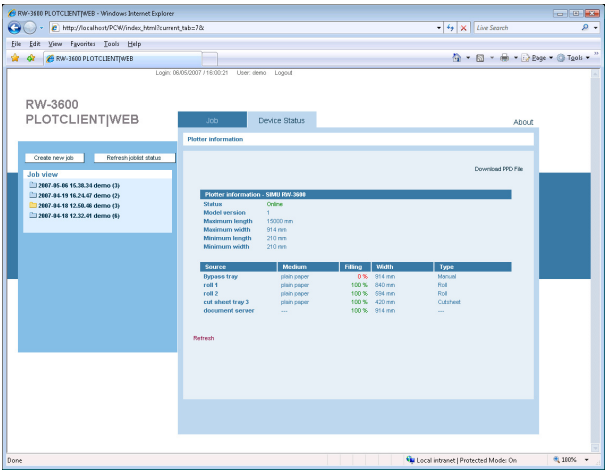
**Send job for printing**

Proceed as follows to send the job to RW-3600 PLOTBASE:

1. In the job view, click on the job you want to send.
2. Click on "Plot" in the job head.
3. If the "Notify" setting has been activated in your user account, you will automatically receive an e-mail telling you that RW-3600 PLOTBASE has successfully received the plot job.

**Device status**

The "Device status" tab shows information about the plotter connected to RW-3600 PLOTBASE and about the medium available in this plotter.



## **Plotter information**

- **Status**

This shows whether the RW 3600 Plotter is currently available in the network and in standby, or not, with the following statuses: "Online", "Online (door open)", "Busy", "Offline", "Printing", "Online", "Unknown error", "Service required", "Paper jam", "Door open", "Toner empty", "Waste container full" and "Warmup".

- **Maximum and minimum length and width**

This shows the maximum and minimum page ranges which can be printed as long as the machine is equipped with the corresponding medium.

## **Medium information**

This shows information about the medium available for printing in the plotter. It shows what type of medium this is, how wide it is and the level of medium in the machine. The "Type" information indicates whether the medium is on a roll or in a tray for single sheet feeder or whether it is to be fed by hand.

## **Update status information**

Click on "Refresh" to update the details of the device status and the information about the currently available medium.

## **Download PDD file**

Click on "Download PPD file" to save the PPD file on your desktop which you need for working with a Macintosh computer.

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## Part V - RW-3600 PLOTCLIENT MAC

## Installations

Two steps are necessary before you can begin printing with the printer driver of the Macintosh operating system Mac OS 10.3. Installation and configuration of the printer driver as well as entering the print defaults in the print dialog.

To install the printer driver for Macintosh, you have to install on two computers. You have to install on the Windows computer of the RW-3600 PLOTBASE server and on the Macintosh PC.

### Installations on Server PC with Windows

- **Print service for UNIX**

1. Open "Start - Settings - ControlPanel - Add/Remove Programs - Add/Remove Windows Components - Other Network File and Print Services - Print Service for UNIX".
2. Change the settings so that the print service for UNIX automatically runs following each new start of the computer. To do this, go to the Desktop and open "My Computer" with by clicking on the right-hand side mouse button and select menu item "Manage - Services and Applications - Services".
3. Open "TCP/IP Print Server" with a double-click and set the "Startup Type" to "automatically".

- **Installation RW-3600 WINPRINT**

1. Start the Setup from the folder \\<Server>\tools\Winprint
2. Enter "PbPort" as the port name.
3. Enter "WINPRINT" as the printer name.



**Note:** If you enter another name than "WINPRINT", we recommend only alphanumeric characters. If that name contains special characters, only the following characters are allowed: ! § \$ ( ) { } ~ # ' - \_  
The maximum number of characters can be 12, spaces are not allowed.

4. Enter "WINPRINT" as the shared name.

5. Specify the spool folder of the lpr-print system with "c:\spool\cfg" as via "Start - Settings - Printers - WINPRINT - Properties - Ports - Configure Ports"

## **Installation on Macintosh 10.3**

1. Start your Internet browser.
2. Open "http://<Server>/tools/RW-3600 PLOTCLIENT MAC". [Instead of step 2 and 3, you can also start your RW-3600 PLOTCLIENT WEB, change to "Device status" tab and click on "Download PPD file" to save the PPD file on your Macintosh Desktop]
3. Save the file "RW-3600.ppd" with Drag & Drop on the Macintosh Desktop.
4. Open the window "System Preferences" by clicking on the icon "System Preferences" in the symbol bar.
5. Click on the icon "Print & Fax" to open the window for setting up a new printer.
6. Click on the option "Set Up Printers" to open the window "Printer List".
7. Click on the button "Add" to add the new printer.
8. Now select the option "IP Printing" and choose option "LDP/LPR" as "Printer Type".
9. Enter the IP address and the enabling name which you entered on installing WINPRINT on the RW-3600 PLOTBASE server.
10. As "Printer Model", select the option "other" and then select the file "RW3600.ppd" from the desktop.
11. Close the window with "Choose" and finish the final dialogue with "Add".

## **Installation on Macintosh 10.4**

1. Start your Internet browser.
2. Open "http://[ServerPC]/tools/RW-3600 PLOTCLIENT MAC". [Instead of step 2 and 3, you can also start your RW-3600 PLOTCLIENT WEB, change to "Device status" tab and click on "Download PPD file" to save the PPD file on your Macintosh Desktop]

3. Save the file "RW-3600.ppd" by clicking on the file name on the Macintosh desktop.
4. Open the window "System Preferences" by clicking on the icon "System Preferences" in the symbol bar.
5. Use the icon "Print & Fax" to open the window for setting up a new printer.
6. In the menu "Printing", click on the "+" symbol on the left to open the "Printer Browser" window.
7. Choose the option "IP Printer".
8. As protocol, select the option "Line Printer Daemon-LPD".
9. In the "Address" box, enter the IP address of the RW-3600 PLOTBASE server. When entered correctly, Macintosh confirms with "Valid and complete address".
10. In the "Queue" box, enter the release name which you stated on installing WINPRINT on the RW-3600 PLOTBASE server.
11. In the "Name" box, enter a free name for the WINPRINT which is to appear subsequently in the printer list.
12. Use the button "Print Using" to select the option "Other" and then select the file "RW-3600.ppd" with "Open" from the desktop.
13. Close the window "Printer Browser" with "Add".
14. In the last window "Printer Browser - Installable Options". adjust the number of rollers of your plotter, then press "Continue" to confirm.

You can use the printer driver as soon as you have completed the installations on the server RW-3600 PLOTBASE and on the Macintosh computer.



**Note:** Before updating the software, please delete the old ppd-file from the Macintosh system folder first.

## Print jobs and presets

After completing the above installations, you can send print jobs from any software to the plotter RW-3600 via RW-3600 PLOTBASE.

Whenever you want to send a print job, e.g. from a graphics program, open the menu item "File - Print". Enter the print parameters to be sent with the plot. If you always want to use the same print parameters you can save them as presets or default values. Open the "General" drop down menu to reach the three menu items used to set the print parameters for the RW-3600 PLOTCLIENT MAC:

- MainOptions 1
- MainOptions 2
- JobOptions

The following three sections describe how to set the print parameters.

### MainOptions 1

Send a print job via the menu item "File - Print". Open "Main Options 1" via the drop down menu "General". There you can alter the following settings:

- **Scale to format**

Select the drawing format for the plot. Apart from the "Original" option, you can choose from the following formats: ISO A/B/C, ANSI A-E and ARC A-E.

If you select the "Original" format setting, the program fetches the format size from the original drawing file. This is the preset.

- **Rotate**

Set whether the drawing is to be rotated or not when plotted. Rotations about 0°, 90°, 180° and 270° are possible. If you select the setting "automatically", RW-3600 PLOTBASE automatically rotates the drawing if this results in less paper wastage.

- **Mirror**

Enter whether the drawing is to be mirrored or not when plotted. The individual fields mean the following:



- Off: The drawing is not mirrored when plotted.
- X: The drawing is mirrored horizontally.
- Y: The drawing is mirrored vertically.
- XY: The drawing is mirrored about both axes simultaneously; equates to a 180° rotation.

You usually use these settings if the drawing has been scanned and saved with mirror inversion. This is especially important if a transluence has been scanned with mirror inversion to increase the contrast.

- **Invert**

If you activate this option with "On", the drawing is inverted, i.e. black and white colors are swapped or inverted.

- **Cut Mode**

The options available are "Format" and "Synchro". If you select "Synchro", the plotter RW-3600 cuts the drawing immediately after the last set of data. This results in optimum paper or medium usage, because it produces the least waste.

If, on the other hand, you want the print out to always be cut in a standard format, no matter how much paper remains unprinted, activate "Format", thereby instructing the plotter to always cut the paper to the next largest format. This can be a disadvantage if e.g. your drawing is only around 0.5 cm larger than an ISO A5 Page, an ISO A4-Page is printed and so almost 50 % of the sheet remains unused. The advantage of this option is that some folders require exact formats and you can meet this requirement with the "Format" setting.

## MainOptions 2

The "MainOptions 2" is also opened via the "General" drop down menu. Here you can alter the following settings:

- **Media type**

Select the type of medium to be used to print the drawing: Paper, Translucent, Film or Recycled Paper. The selection depends on the medium you have loaded on the rolls of your plotter RW-3600.

- **Input tray**

You can select one of the offered plotter rollers. You also have a choice between the options "automatic" or "Bypass tray". The "automatic" option means that the plotter automatically selects a suitable roller corresponding to the stipulated format. The "Bypass tray" option means that you introduce the print medium directly at the input tray.

- **Output**

Your plotter has two possibilities for the output of your printouts: "upper" and "lower".

- **Fold program**

If a folder is connected, here you can adjust whether your fold settings should be used. Click on "no fold" if folding is not required.

- **Title block**

As many folders expect the drawing head in different positions, here you can align the title block on the folder so that it is at the top after folding. With this setting, you tell the print application in which position the folder expects the title block. The program then turns the drawing into the position necessary for the folder.

## JobOptions

In addition to the "MainOptions", you have four other general options that you can use to define the print job parameters:

- **Sample print**

Activate this option if you want to check the quality of a print. Only the first set of copies will then be printed. The print off of further sets of copies is stopped, so that you can check the quality of the print off. Then you will be asked, whether you would like to continue with the print out or abort.

- **Priority**

This shows what priority the job has been given by the user: Normal, High, Low, Wait, Immediately. You can change the priority given here or set it to the highest level.

- **Delete after plot**

If you activate this option, the job is deleted again by RW-3600 PLOTBASE immediately after printing.

---

## Part VI - RW-3600 PLOTCLIENT LPR/FTP

## RW-3600 PLOTCLIENT LPR

With the lpr protocol or command, you can send print jobs to an RW-3600 PLOTBASE via the RW-3600 WINPRINT without having to use an application program. It also only requires a few presets and one command line. This printing option is especially intended for UNIX users.

### Configuration on Server PC with Windows

1. Start your Windows computer with RW-3600 PLOTBASE as the administrator.
2. [XP/2000]Open "Start - Settings - ControlPanel - Add/Remove Programs - Add/Remove Windows Components" and activate "Other Network File and Print Services". [Vista]Open "Start - Control Panel - Programs and Features" and click on "Turn Windows Features on or off".
3. Activate with the option "print services" the associated subitem "LDP print service".
4. Install RW-3600 WINPRINT if you have not already done so.

After installing RW-3600 WINPRINT, check that the printer driver has been released, or enabled, and check the spool folder as follows:

1. Open the printer window via "Start - Settings - Printers".
2. Use the right-hand mouse key to open the properties for WINPRINT and change to the "Sharing" tab.
3. Ensure that the printer driver is enabled as WINPRINT.
4. Change to the "Ports" tab, click on the WINPRINT line and open the "Spooler Path" window by clicking on the "Configure Port..." button.
5. Check that the spool folder is set as "C:\Spool\CFG".



**Note:** If you want to see the full file name of your print jobs in the RW-3600 PLOTBASE jobs list, deactivate the "Use Short File Names" option.

### Print jobs with lpr on Windows

If you have entered all the settings described above, you can use the `lpr` command as follows to send print jobs to RW-3600 PLOTBASE via the RW-3600 WINPRINT:

1. Open the Prompt on the Windows computer of RW-3600 PLOTBASE.
2. Change to the folder containing the files to be printed.
3. Enter the following command:

```
lpr -S %computer name% -P WINPRINT -o l <filename>
```

-S = server name  
-P = name of the enabled plotter  
-o l = binary mode

If you send a file without print parameters to RW-3600 PLOTBASE, the RW-3600 PLOTBASE basic settings are used. If you want to send your own print parameters with the plot, you have to first send the CFG file, which must have the same name as the graphic file, and then send the graphic file itself!



**Attention:** Always send the CFG or SSL file with your print parameters first, then send the graphic file. Otherwise there is a risk that RW-3600 PLOTBASE begins to print your file before it has received your own print parameters for the print (CFG or SSL file).

## Configuration on UNIX

1. Install the "General Network Services" - TCP/IP.
2. Then install the "BSD Print Spooling System". For SuSE>= V6.4 "LPROLD from Network Support"; TCP/IP, UUCP, Mail, News. If you use another UNIX operating system please refer to the corresponding manual!
3. Go to the folder "C:\ Program Files\ RW-3600\ RW-3600\ PLOTBASE\ TOOLS\ PLOTCLIENT\_LPR" on the Windows computer of RW-3600 PLOTBASE and copy the file "printcap\_sample" to UNIX as the file "/etc/printcap".
4. Adjust this file "/etc/printcap" to your network environment. The end of the file should include more or less the follow-

ing:

```
lp | remote printer on <IP_Of_ServerPC>:\  
:sd=/var/spool/lpd/lp:\  
:rm=<IP_Of_ServerPC>:\  
:rm=<IP_Of_Shared_Winprint32>:\  
:bk:sh:mx#0:
```

5. Restart the print service. For SuSE>= V6.4 "rcldpd restart".

## **Print jobs on UNIX using lpr**

If you have entered all the settings described above, you can use the lpr command as follows to send print jobs to the RW-3600 PLOTBASE via RW-3600 WINPRINT:

1. Open the prompt on the UNIX computer.
2. Enter the following command:

```
lpr -P <printeralias_from_printcap> -l <filename>
```

## RW-3600 PLOTCLIENT FTP

You can use the ftp protocol or command to send print jobs to RW-3600 PLOTBASE without having to use an application program. It also only requires a few presets and one command line. This printing option is especially intended for UNIX users.

### Configuration on Server PC with Windows

1. Start your Windows computer with RW-3600 PLOTBASE as the administrator.
2. Use "Start - Settings - ControlPanel - Add/Remove Programs - Add/Remove Windows Components - Networking Services" to ensure that the TCP/IP-protocol is installed.

### Print jobs on Windows using ftp

If you have entered all the settings described above, you can use the ftp command as follows to send print jobs to RW-3600 PLOTBASE via the RW-3600 WINPRINT:

1. Open the Prompt on the Windows computer of RW-3600 PLOTBASE.
2. Change to the folder containing the files to be printed.
3. Enter the command "ftp [computer name or computer-IP]". The system changes to the ftp subsystem and sets up a network link to the required computer.
4. You are now asked for the name of the user. Enter "anonymous" and confirm with the return key.
5. Confirm the password query by simply not entering a password.
6. Now enter the "binary" command for transmission in binary mode and confirm with the return key.
7. Change to CFG folder using the command "cd cfg".
8. Enter the following command if you want to print one file. If you want to print several files, proceed with Item 8. For one file, the command is:

```
put <filename>  
= put graphics.tif
```



9. If you want to print several files at once, enter the following command:

```
mput <filename> <filename> ...  
= mput graphics.tif city.plt
```

10. If a file comes from another folder than the current folder, enter the path as well as the file name, as shown in the following:

```
mput <filename> <path>\<filename>  
= mput graphics.tif tmp\city.plt
```

If you send a file without print parameters to RW-3600 PLOTBASE, the RW-3600 PLOTBASE basic settings are used. If you want to send your own print parameters with the plot, you have to first send the CFG file, which must have the same name as the graphic file, and then send the graphic file itself!



**Attention:** Always send the CFG or SSL file with your print parameters first, then send the graphic file. Otherwise there is a risk that RW-3600 PLOTBASE begins to print your file before it has received your own print parameters for the print (CFG or SSL file):

```
mput graphics.cfg graphics.tif
```

## Configuration on UNIX

1. Install the "General Network Services" - TCP/IP.
2. Then install the "BSD Print Spooling System". For SuSE>= V6.4 "LPRD from Network Support"; TCP/IP, UUCP, Mail, News.

## Print jobs on UNIX using ftp

If you have entered all the settings described above, you can use the ftp command as follows to send print jobs to the RW-3600 PLOTBASE via RW-3600 WINPRINT:

1. Open the prompt on the UNIX computer.
2. Change to the folder containing the files to be printed.
3. Enter the command "ftp [computer name or computer-IP]". The system changes to the ftp subsystem and sets up a network link to the required computer.
4. You are now asked for the name of the user. Enter "anonymous" and confirm with the return key.
5. Confirm the password query by simply not entering a password.
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7. Enter the following command if you want to print a file. If you want to print several files, proceed with Item 8. For one file, the command is:

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```
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```

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mput <filename> <path>\<filename>  
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as the graphic file, and then send the graphic file itself!



**Attention:** Always send the CFG or SSL file with your print parameters first, then send the graphic file. Otherwise there is a risk that RW-3600 PLOTBASE begins to print your file before it has received your own print parameters for the print (CFG or SSL file):

```
mput graphics.cfg graphics.tif
```

---

## Part VII - Appendix

# Index

- Calcomp
  - colors ..... 67
  - fill pattern ..... 70
  - grey scale ..... 66
  - ignore pen size ..... 68
  - misc ..... 68
  - pen color ..... 65
  - pen settings ..... 69
  - pen size ..... 65
  - pen source ..... 68
  - pens ..... 65
  - scale pens ..... 68
  - synchronization ..... 70
- device information ..... 31
- Document Server ..... 39, 98
- DWF
  - Pattern style ..... 56
- Entry
  - add multiple entries ..... 76
  - delete entries ..... 77
  - per button ..... 73
  - per drag&drop ..... 75
  - per menu item ..... 75
  - per mouse button ..... 74
  - s. job indices ..... 44
- Fold program ..... 42
- HPGL/2
  - clipping ..... 60
  - colors ..... 59
  - dither mode ..... 62
  - fill pattern ..... 62
  - font path ..... 62
  - ignore pen size ..... 61
  - misc ..... 60
  - pen setting ..... 61
  - pens ..... 57
  - scale pens ..... 60
  - sizes per cm ..... 62
- Installation
  - PLOTCLIENT HDI/ADI ... 89
  - PLOTCLIENT MAC ..... 125
  - WINPRINT ..... 81
- Job
  - add entries ..... 73
  - border ..... 43
  - collate ..... 72
  - collect ..... 28
  - copies ..... 42
  - cut mode ..... 42
  - formats ..... 40
  - invert ..... 43
  - media source ..... 43
  - media type ..... 42
  - mirror ..... 44
  - rotation ..... 43
  - scaling ..... 41
- Job editor
  - entry level ..... 44
- Manual conventions ..... 9
- Name conventions
  - client ..... 17
  - draftsman ..... 18
  - entry ..... 17
  - jobs ..... 17
  - ssl file ..... 18
  - user ..... 17
- Pen settings
  - changes ..... 55
  - colors ..... 57
  - grey scale ..... 58
  - HPGL/2 ..... 57
  - sizes ..... 57
- PLOTCLIENT FTP
  - UNIX config ..... 137
  - UNIX print ..... 138
  - Windows 2000 config . 136

Windows print .....	136	Change language .....	33
PLOTCLIENT HDI		chart .....	21
Document server .....	98	collate .....	35
PLOTCLIENT HDI/ADI		combine .....	38
AutoCAD 13/14 .....	92	Compress job .....	27
AutoCAD 2000 .....	93	copies .....	36
border .....	96	customer .....	35
configuration .....	92	delete .....	37
copies .....	96	distribution .....	35
cut mode .....	97	document server .....	39
formats .....	96	e-mail .....	36
HPGL/2 Plotter .....	90	file formats .....	17
installation .....	89	job editor .....	34
invert .....	96	job flag sheet .....	36
locked print .....	99	locked print .....	37
media source .....	97	notes .....	35
media type .....	96	output .....	37
mirror .....	97	page order .....	36
Output .....	97	plotter .....	36
rotate .....	97	presets .....	26
sample print .....	100	priority .....	35
select HDI/ADI .....	92	Program sequence .....	17
select program mode ..	101	sample print .....	36
PLOTCLIENT LPR		size unit .....	30
print jobs .....	135	spool path .....	28
UNIX .....	134	ssl default .....	26
Windows .....	133	system requirements .....	12
PLOTCLIENT MAC		tools .....	23
cut mode .....	129	Update entries .....	76
formats .....	128	user name .....	34
Input tray .....	130	Program	
installation .....	125	Quit .....	15
invert .....	129	Start .....	15
media type .....	129	RW-3600 PLOTCLIENT WEB	
mirror .....	128	Account .....	116
Output .....	130	Border .....	121
rotate .....	128	Combine .....	118
sample print .....	130	Comments box .....	117
PLOTCLIENT WIN		Configuration .....	105
account .....	35	Copies .....	119

Cost center .....	117	Units of measurement .....	109
Customer.....	117	User account .....	107
Cut Method.....	121	Workflow.....	110
Device status.....	122	Stamp	
Distribution .....	118	configure .....	47
Document Server.....	119	delete.....	48
e-mail notification .....	106	edit .....	48
e-mail settings.....	108	font .....	52
Entry.....	114	frame .....	50
File formats.....	109	inverting .....	50
File pool .....	114	logo .....	53
Fold program....	116, 120, 130	macros.....	52
Format family.....	109	mirror.....	49
Invert.....	122	number of stamps .....	47
Job.....	112	opaque .....	49
Job copies .....	116	preview .....	52
Locked print.....	117	rotate .....	49
Media position .....	120	scale position.....	50
Media source ....	118, 120	stamp position .....	50
Media type.....	116, 118	stamp type.....	49
Medium .....	120	text.....	51
Medium information...	123	text color .....	53
Mirror.....	121	translucent.....	50
Output formats .....	109	Synchronization.....	70
Output size .....	120	Title block .....	43
Output Size .....	116	VIC	
Output tray .....	116	Pattern style .....	55
Paper size .....	118	pen settings .....	55
Plotter information.....	123	WINPRINT	
PPD file.....	123	32/64 bit OS .....	82
Print order .....	117	combine .....	84
Quick view.....	115	installation.....	81
Rotate.....	121	media source.....	83
Sample print .....	117	media type .....	84
Title block .....	120	output .....	85
Title block .....	130	paper size.....	83
		sample print .....	85