

RW-7140

PLOTBASE

Reference

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Microsoft® Windows® XP Professional

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Technical preface

This manual contains detailed instructions on the operation and maintenance of this machine. To get maximum versatility from this machine all operators should carefully read and follow the instructions in this manual. Please keep this manual in a handy place near the machine.

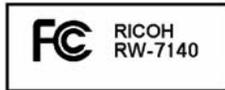
Please read the Safety Information in the "Copy Reference" manual before using this machine. It contains important information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.



Note: Parts of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operation the machine.



Attention: Use of controls or adjustment or performance of procedures other than those specified in this manual might result in hazardous radiation exposure.



Declaration of Conformity

"The Product complies with the requirements of the EMC Directive 2004/108/EC and its amending directives and the Low Voltage Directive 73/23/EEC and its amending directives."



Attention: Network interface cables with ferrite core must be used for RF interference suppression.

Note to users in the United States of America:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio /TV technician for help.



Attention: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note to users in Canada

Note:

This Class B digital apparatus complies with Canadian ICES-003.

Remarque concernant les utilisateurs au Canada

Avertissement:

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Declaration of Conformity

Product Name: Printer/Scanner Controller

Model Number: Printer/Scanner Unit Type RW-7140

Responsible party: Ricoh Corporation

Address: 5 Dedrick Place, West Caldwell, NJ 07006

Telephone number: 973-882-2000

This device complies with part 15 of FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

RW-7140 PLOTBASE

The RW-7140 manuals contain descriptions of the programs RW-7140 PLOTBASE, RW-7140 SCANTOOL and the RW-7140 Clients, which together make up part of the RW-7140 plot management system.

The client-server architecture of the RW-7140 system allows each user connected to define their own print jobs and sets of drawings and to send them to RW-7140 PLOTBASE for plotting. RW-7140 PLOTBASE can process whole sets from documents or drawings, with a high degree of automation.

RW-7140 PLOTBASE accepts print jobs from CAD systems, from archived data stock, from scanning systems such as RW-7140 SCANTOOL or from other clients. The standard data formats supported are HPGL, HPGL/2, HP-RTL, Calcomp 906/907, TIFF, BMP, PCX, T6X, CIT, WMF and CALS. CGM, PDF, Postscript and VIC are optional formats. You can use the DWF, DWG and DXF formats only, if you have installed the "DWG/DXF/DWF option" on your server.

The user can sort the print jobs in RW-7140 PLOTBASE to their own criteria. The output parameters can be freely altered depending on the requirements. Individual requirements and repeat prints are possible when plotting the sets of drawings.

You can set numerous default values for scanning drawings: format size, resolution, mirror, invert, density etc. You can also edit the scanned drawings using an integrated image-editing program. If you wish, the scanned drawings are automatically assigned to a job. You can adjust the print parameters beforehand. Finally, the job is sent to the RW-7140 PLOTBASE program for processing.

Please use it as a dedicated server.

Overview of options

The RW-7140 system offers the following options that you can purchase from your dealer:

- RW-7140 SCANTOOL ["Scan Option"]
- File formats DWF, DWG and DXF ["DWG/DXF/DWF Option"]
- File format CGM ["CGM Option"]
- File format PDF ["PS/PDF Option"]
- File format Postscript ["PS/PDF Option"]
- File format VIC ["VIC Option"]

Manual conventions



Note: You are free to decide whether you wish to follow the recommendation given in a note or not. Tips 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.

Start and quit program

You can use RW-7140 PLOTBASE as standard user without administrator rights. In this case you cannot make any changes in the configuration dialogs. As soon as you want to configure, you must start the program as user with administrator rights.



Note: The program can only be used by one user. It does not allow several users to use it at the same time.

- **Start program**

To start RW-7140 PLOTBASE, open the program from the "Start" bar or double click on the program symbol on the desktop.

- **Quit program**

You can either quit RW-7140 PLOTBASE via the menu bar with "Exit - Exit" or using the standard [Windows keyboard] shortcut ALT+F4.

Reload devices

This command is used if devices have failed to initialize. In such a case let RW-7140 PLOTBASE run, switch on the other devices and once the devices have warmed up select menu item "Print - Reload Devices" or click on the following button:



Program window

The screenshot displays the RW-7140 PLOTBASE software interface with several active windows:

- Status view:** Shows error messages such as "4373 Problem - A set has cancelled" and "441: The job 441 could not be dispatched repeatedly. It will be repeated."
- Device information:** Displays printer status for "RW-7140" with fields for Paper Size, Error Info, and Address.
- File view:** Shows a hierarchical tree structure of files and folders.
- Job list:** A table listing print jobs with columns for Number, Name, Status, Output Device, Date, and Owner.

Number	Name	Status	Output Device	Date	Owner
424	Test	Pending	RW-7140	12/22/2008 12:40:57 PM	Admin
425	Selection	Pending	RW-7140	12/22/2008 12:45:59 PM	Admin
441	Department	Problem	RW-7140	12/22/2008 12:20:00 PM	Admin
- Job properties:** Shows details for a selected job, including Account, Collate, Copies, Customer, Distribution, E-mail, Job ID, Job Name, Output Device, and Output Tray.
- Entry list:** A table listing entries with columns for Copies, Size, and Multi Types.

Copies	Size	Multi Types
1	100.00 105.00	den Vart
1	100.00 105.00	den Vart
1	100.00 105.00	den Vart
1	100.00 105.00	den Vart

The following paragraphs give an overall view of the basic way the windows work.

- **Job List**

The job list shows all the print jobs sent to RW-7140 PLOTBASE, in chronological order.

- **Job Editor**

The window "Job Editor" comprises two areas: job properties, and entries. Several entries (drawings etc.) that are to be printed out together are consolidated in one job. The job properties (job name, job creator etc.) of the job are displayed, which you have highlighted in the job list.

The other window area "Entry List" shows the print properties of the entries, i.e. it lists the drawings, graphics etc. of a selected job.

- **File View**

This window displays the files (drawings, graphics, etc.) that belong to one job. First you must select an entry in the window "Job editor".

- **Device Info**

This window shows you the status - paper or toner levels - of the plotter currently in operation. A second window area displays the various processes as the plotter works through them, and any error messages.

Device information

The "Device information" window is a pure information window, in which you cannot make any entries and changes.

The left of the screen provides information on the plotters on the system, the levels of the roll bins and the toner.

General information on the right of the screen includes for example: name of the device, name of the plotter, plotter status, paper jam status, door information, DPI, toner type, folder, folder status.

If you wish to have further information on one of the configured outputs, first select a device. Only then will further information be revealed on the "Tray Info" and "Toner Info" tabs.

When a plotter is switched off or if there is an error, the lines will appear on all three tabs, "Plotter", "Tray Info" and "Toner Info" with the associated information in red.

When a plotter is set to invisible for the RW-7140 PLOTCLIENT

WIN user, the associated lines will appear in dark blue.

When a plotter is connected but is not used, the associated lines will appear in gray.

In normal mode, the information is shown in black.

Configuration

The following chapters explain how to configure the plotters and the spool processes.

Protecting configuration with password

If you want to protect your configurations for RW-7140 PLOTBASE against unauthorized changes, you can do this by assigning a password. Open the concerning dialog via "Configuration - Password" to assign a password as follows:

1. First click on "Activate".
2. If the password is only to be valid from the next time the program is started, activate the appropriate option.
3. Click on "Set password" to open the password entry dialog.
4. Enter your password twice and confirm with "OK".
5. Finally, exit the password dialog with "OK".

Your password will apply until you deactivate it once more in the password dialog or change it to a new password using the steps described.

Configuring output devices

In order that print jobs can be processed in the way you require, some properties of the output devices used (plotter and folder) must be entered, and basic settings must be defined for processing the print jobs.

Creating a new output device

When you configure an output device for the first time, open the configuration dialog box from "Configuration - Output Device - New" in the menu.

Configuring an existing output device

You will always be taken to the "Configuration - Output Device" tab at the start of the configuration regardless of whether you are creating and configuring a new output device or whether you want to configure an existing output device. Depending on the output device to be configured, settings must be made on up to six different tabs, and must be made once for each plotter/folder combination.



Note: As there is no difference between the settings for new and existing configurations, and configuration is always started in both cases from "Configuration - Output device" on the menu, the settings will be described only once in the following chapters.

Configuration start

To start configuring, open the "Output Device" tab from "Configuration - Output Device" on the menu. If you have already created output devices, you will see all existing output devices listed on this tab, otherwise the tab will be empty:

- **New**

To configure new output devices, click on "New". You instruct RW-7140 PLOTBASE to search automatically for all RW-7140

plotters and color plotters in the network and list them for selection.

To review or change configuration of existing output devices, activate a device from the list and then click on "Properties".

- **Delete**

To delete an output device, mark it in the list and click once on "Delete".

- **Properties**

This button is active as soon as you have installed an output device. You then access all configurations that are described in the following sections.

"Output Device" tab

- **Name**

Enter a name of your choice for the plotter/folder combination.

- **Activate device**

For the printing operation, you must activate the plotter here. The plotter connection will need to be deactivated in order, for example, to carry out service or repair work. Print jobs will then not be sent to this particular plotter - it will thus not be available for the load distribution facility.

- **Activate autoplot**

Activate this option if you want RW-7140 PLOTBASE to print all print jobs intended for the currently configured output device automatically straight away.

- **Plotter**

From the list, select the plotter that you wish to configure.

- **Folder**

The connected folder is displayed for information only.

"Plotter Configuration" tab

This tab is for information only! You can read the actual plotter settings.

- **Plotter name**

The actual plotter name is shown here and cannot be changed

on this tab. You assign this name when you start the configuration to add a plotter to the list of output devices available for your daily work.

- **IP address or name**

Enter the IP address or host name for the plotter here. If RW-7140 PLOTBASE searched automatically for the plotter, the IP address is already entered.

- **Test**

Use the "Test" button to check whether the stated plotter is found and is ready.

"Exception Handling" tab

On this tab you can enter what the program should do if a plotter roll is empty or errors occur during the processing of the jobs.

- **On roll empty**

The status of the rolls is checked regularly. If a roll should run out, a dialog appears to draw your attention to the problem. You can select one of the following options in the case of an empty roll. The two options differ inasmuch as, either the whole printing process can be stopped, or continued, even though the roll is empty.

Use identical media if available. Otherwise wait.: If you have activated this option and a roll is empty, the program checks the following question "Is an identical roll available in the plotter as substitute for the empty roll?" Initially, it is not important whether this roll is needed for a pending entry or not. If an identical "substitute roll" is actually in the plotter, then the printing process can be continued without interruption. If no identical roll can be found, then the printing process is stopped and a message appears that a roll has run empty. If you now insert a new roll in the plotter, the message disappears automatically and the printing process continues.

A second way of cancelling the wait status is to click on "Next" in the message dialogue and to start processing the jobs, although a roll is missing. It is possible that this unchanged roll is specifically required for a particular job. In this case an error message

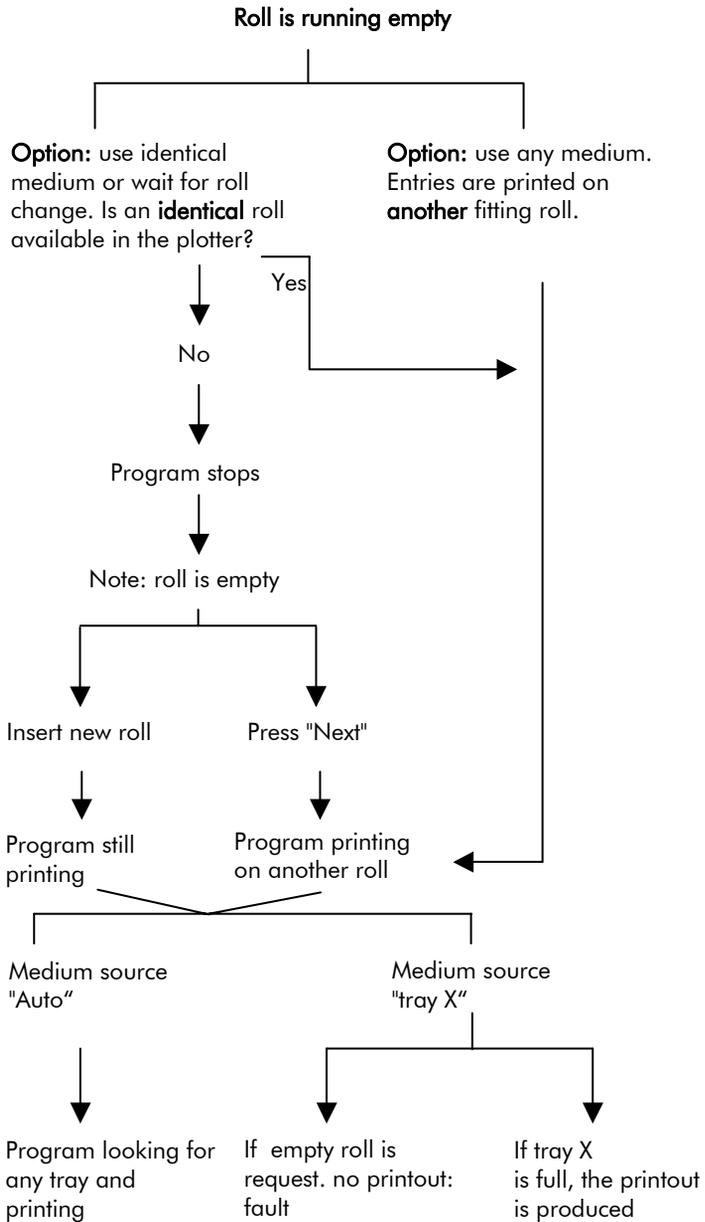
and an error page would be printed. The further function of the program then depends on the settings under "Error" handling. If you have selected the "Auto" option for an entry under "Output Tray" in the "Job editor", the entry will be printed on any roll with suitable characteristics. This job does not necessarily depend on the missing roll.

Use any other media: If a roll has run empty, the printing process is not stopped but can be continued. The empty roll is ignored and the pending entries are printed on the other rolls where this is possible.

Further processing now depends on the job settings. It is possible that this unchanged roll is specifically required for a particular job. In this case an error message and an error page would be printed. The further function of the program then depends on the settings under "Error" handling.

If you have selected the "Auto" option for an entry under "Output Tray" in the "Job editor", the entry will be printed on any roll with suitable characteristics. This job does not necessarily depend on the missing roll.

Both options are again illustrated in the following graphic:



- **On error**
 - **abort job and turn off the autoplot mode:** The job is halted in case of an error and if the automatic plot mode is active, this is deactivated.
 - **plot next jobs:** the faulty job is skipped and the autoplot mode is resumed.
 - **plot next entries of current job:** If you select this option, the missing entry is skipped and the subsequent entries are processed. If, however, there are three or more faulty entries in the job, the complete job is skipped and the next job is processed.

- **Print error pages**

If you activate this option, instead of the faulty drawing you receive a page with information that an error occurred on loading the file.

"Job Management" tab

Job Flag Sheet

This sheet contains information on the print job and is printed out together with it as the last sheet. This function is enabled in the job editor.

Media Source	Media Type	Results
Auto	Any	The job flag sheet and the error page are printed on the smallest suitable roll, regardless which medium is on it.
Auto	Paper, Transparency or Film...	The job flag sheet and the error page are printed on the smallest suitable roll with the chosen medium.
Roll 1,2, 3 ...	Any	The job flag sheet is printed on the selected roll, regardless which medium is on it. The error page is printed on the smallest suitable roll, regardless which medium is on it.
Roll 1,2, 3 ...	Paper, Transparency or Film...	The job flag sheet is printed on the selected roll, regardless which medium is on it. The error page is printed on the smallest suitable roll with the chosen medium.



Note: If changing the printing size of job flag sheet, it will be applied to test pages.

Sorting and Checking

- **No sorting or checking**

This is the default setting. Jobs will not pre-checked prior to plotting.

- **Sort entries by media source**

This setting will reduce the number of roll-changes for the plotter and therefore will speed up the plotting.

- **Sort entries by print size**

The entries are sorted according to format size for easier transport of the stacked printouts. This also avoids having to change the roll.

- **Only check print settings before plotting**

If this option is enabled, the whole job is checked prior to printing.

If the job cannot be printed with this setup the job is stopped and not sent to the plotter.

"Color Profiles" tab

To allow for correct color profiling, a color profile has to be deposited for every plotter and every single medium which can be used on the plotter.

The necessary color profile for a medium is available from the manufacturer of the medium; you can also create your own color profile [*.icc / *.icm file].

- **Allocating a color profile**

Proceed as follows to allocate a color profile:

1. Mark the corresponding medium.
2. Do a double click in the "Profile" column to the right of the medium name to select the color profile file.
3. Click on the file selection button to the right of the now activated box for the color profile file and go to the directory with the color profile file.

4. Select the required color profile file and click on "OK" to confirm.
5. If necessary, enter a brief information text in the box "Further profile description".
6. Put a check mark in the box to activate the medium to use it now.

The color profile file is only activated if you have marked the corresponding medium. In this way, if necessary you can also deactivate the stated color profile file and activate another one by deactivating the medium.

- **Further profile description**

Use this box to enter additional information for better differentiation of the media and their allocated profiles. To do so, mark a medium and enter your description in the box. Your entries are accepted by the system on changing to another medium or clicking on "OK" to finish.

Configuring spool processes

The print jobs generated in PLOTCLIENTS are transferred to the spool directories, together with all the image files and print settings (= SSL files), either automatically or manually.

RW-7140 PLOTBASE regularly checks through the spool directories to see if any new print jobs have been added. In addition, it evaluates the print settings sent with each print job.

With the aid of the so-called access data, you can reject print settings made in PLOTCLIENTS and replace them with your own data. If, for example, you want to restrict a PLOTCLIENT program user to be able to print only DIN A3 drawings, you can deactivate the corresponding "Size" access entry in the default.ssl file, and enter your own, in this case DIN A3.

"Spool Process Settings" tab

- **Name**

The name has to be unambiguous.

- **Choose path**

These directories can also be located on other computers. As the directory has to be released in the network, a release name is necessary.

- **Active**

Individual spool processes can be deselected by deactivating the "Active" check box. In such a case, new print jobs will initially not be processed.

"Job Defaults" tab

On this tab you can specify, which print settings can be adopted by the creator of a print job.

If, the relevant box of a print setting has not been activated, only the pre-setting specified here in RW-7140 PLOTBASE will be considered for the job processing.

A detailed explanation of the individual settings can be found in the chapters "Job properties" and "Entires list".

"Job Confirmation" tab

The job confirmation is the summary of a print job. It is automatically printed out on the output device before the actual print job.

It can, however, also be printed out at any other time. To do this, mark the print job concerned in the "Job list" and choose the "Plot job confirmation" or "Plot job confirmation on" command from the context menu.

With "Plot job confirmation", the print is output on the output device of the current spool process. With the "Plot job confirmation on..." command, you can send the printout to a different, freely selectable output device.

- **Copies**

Enter how many copies of the job confirmation shall be printed.

- **Output device**

If you always want to have your job confirmations printed on a particular printer, you can specify the output device here.

- **Media source**

If the job confirmation is to be printed out on a particular medium, such as "paper, and under no circumstances film", select the required output bin here. When you choose the "Auto" setting, the plotter will choose the medium feed corresponding to the set format size of the job confirmation. If this medium has been used up, the plotter will access the bin or roll with the next larger format.

- **Size**

Specify the required output size for the job confirmation here.

Properties

You can adjust further properties of the program using the "Configuration - Properties" menu.

"Options" tab

Web Watch

With the Webwatch service, RW-7140 PLOTBASE provides the option of monitoring the system using a browser. You can use the Webwatch service both over the Intranet and the Internet.

Items displayed are the job list, a summary of the device information excluding the bin and toner information.

Together with the information displays, in Webwatch you can stipulate the time for updating the job list, and explicitly start or stop the print of a job and delete jobs.

However, any errors or process messages will not be displayed.

The following settings must be made in order to be able to use the Webwatch service:

- **Activate internal view**

If you want to use the Webwatch service over the Intranet, you must activate this option: You must also specify the port. Internal and external views can be activated simultaneously.

- **Port for internal view**

Specify the port for the internal view here. It is necessary to specify a port in order to make a connection to the right service - in this case, to the Webwatch service.

- **Type in this address in your browser**

If you want to use the Webwatch service on the Intranet, start it in a browser by entering the following address:

`http://[Server]/index.html`

"[Server]" is the name of the server computer on which RW-7140 PLOTBASE is installed. Additionally the address is displayed in the field "Type in this Address in your Browser".

Units

You can set which size unit is to be used for your work: You can choose between "millimetres", "inches" and "pixels". The applica-

ble units are then displayed in the status bar of the main program.

"Job Management" tab

To ensure that too much hard drive capacity is not used and thereby maintain an adequate performance of the system, older processed jobs have to be deleted occasionally.

- **Maximum number of plotted jobs in the job history**

Any old jobs with status "OK" exceeding this number are deleted.

- **Delete plotted jobs which are older than (days)**

Enter the number of days the jobs shall remain in the job list. Jobs with status "OK" plotted before these days will be deleted.

- **Maximum job usage of HDD capacity in %:**

Enter the percentage size of the hard drive capacity to be used by the jobs. As soon as this hard drive capacity is exceeded, the older jobs (with status "OK") are deleted.

"Notifications" tab

- **Mail server (SMTP)**

Server settings

Enter the IP address or the name of the mail server computer (SMTP) and the port number here. If you do not know have all information, ask the administrator responsible for your area. The mail server can only be specified if you have activated the response function.

We recommend to click once the "Test" button when having completed the mail server settings.

Sender's identity

User name: In order to send e-mails, you must enter the user names here with which you are known with the e-mail server. If in any doubt, ask your administrator for the right name.

Password: Enter a password here if your e-mail sever demands identification by means of a password.

From address: Enter an e-mail address available on your e-mail server which is to be entered as the sender. This must not

necessarily be the address belonging to the user entered above. The user name itself is primarily intended to permit the e-mail server to accept mails from you. By contrast, the "sender address" is an address that a recipient can use if he has any queries or problems, for example if the e-mail has not arrived completely with all file attachments, etc.

Organization: If necessary, enter the name of your organization or company, if this is to be stated in the e-mail.

- **Response**

The response function is used to give the users information about the job status. To activate the response option click on the check-box.

You can instruct RW-7140 PLOTBASE to send an email automatically every time the job is finished. The email is sent to the creator of the job. This feature requires that you have entered the Mail Server and that a valid email address is entered within the job editor.

You can provide more information for the emails to be sent by means of the "Advanced" button.

E-mail settings

CC: If necessary you can enter an additional e-mail address here if you want every e-mail that you send from RW-7140 PLOTBASE to go to an additional "CC" recipient in addition to the actual recipient.

BCC: If necessary you can enter an additional e-mail address here if you want every e-mail that you send from RW-7140 PLOTBASE to go to an additional "BCC" recipient in addition to the actual recipient; the "BCC" recipient is not visible for the actual recipient.

Response

The response function shows the current status of your sent jobs to the job creators [e.g. RW-7140 PLOTCLIENT WIN, RW-7140 PLOTCLIENT WEB]. To this end, you inform RW-7140 PLOTBASE of the cases in which a response mail is to be sent:

- Never
- Always
- Job OK
- Job problem

The response path is created as default in the spool director as "C:\spool\response" and cannot be changed.

Regardless of the settings here, RW-7140 PLOTCLIENT WIN only requests a response mail if a corresponding e-mail address is entered there in the job editor which also appears in the job editor of RW-7140 PLOTBASE. Corresponding information is also contained in the Client Manual.

- **Alarm manager**

With the Alarm Manager, you are able to quickly advise the creator of the job of the following four problem situations:

Paper Jam - Roll End - Door Open - Service call

You can activate the Alarm Manager by means of the "On/Off" check box.

You must now use the "Open Alarm Manager" button to enter the details that will cause the program to send you an email.

The following example explains the best way of making the four settings for each alarm event. Carry out the other settings in a similar manner:

1. Mark, for example, the alarm event "Paper Jam" on the left.
2. In the "E-mail recipients" area, click once on "Add" and here specify the e-mail address of the recipient who is to rectify the paper jam. The user or computer must be logged onto the network.
3. Decide whether the recipient is to hear a melody in addition to the text message and choose the required melody. You can listen to the individual melodies yourself with "Play".
4. Finally activate the alarm by means of the "Alarm on/off" checkbox.

The settings that you have made will now be shown when you mark the alarm event "Paper jam".

"Job Settings" tab

- **Title block**

Many folders expect the header to appear at different positions on the drawing. This feature allows you to adjust the header on the folder so that, after folding, it is uppermost..

If you do not know the position of the drawing header, leave the drawing header option "unknown" activated. The folder will then

automatically select the best fold format for it.

The settings can be adjusted for both portrait and landscape format, and are considered here as default settings for all drawings. Individual settings directly for a specific drawing can be made in the job editor in the entry list.

"Accounting" tab

General

• Mandatory job settings

These settings are information for RW-7140 PLOTCLIENT WIN and can be seen in the "Job editor" of both programs.

All job characteristics, which you activate here in RW-7140 PLOTBASE, must be filled in by the job creator in RW-7140 PLOTCLIENT WIN. If you also specify a value or a choice of possible values for a contract characteristic that has been activated with a check mark, then these can also be selected in RW-7140 PLOTCLIENT WIN. If, in addition, you activate the "Allow these values only" option, only the values specified here can be selected in RW-7140 PLOTCLIENT WIN.

When you activate a job characteristic here, but do not specify additional values, this means that, although the field in RW-7140 PLOTCLIENT WIN is an obligatory field, the value can be freely entered.

Whenever a job characteristic has been activated, the field name in RW-7140 PLOTCLIENT WIN will appear in orange to draw the job creator's attention to the obligatory entry.

If you do not activate job characteristics but, in spite of this, you still allocate preset values to them, the creator of the job in RW-7140 PLOTCLIENT WIN can access the preset values if he so desires. These fields will not appear in orange in RW-7140 PLOTCLIENT WIN.

If, in addition, you want to allocate a value or a choice of values to an obligatory field, proceed as follows:

1. Activate the required job characteristic on the left.
2. Click on "Add" on the right-hand side.
3. Now enter the preset value you require in the blue high-

lighted field above it.

4. If you want to allow only these values, activate the "Allow these values only" option as well, and complete your entry with "OK".

As well as the option of specifying a preset value "manually", you can also specify existing values in a database. For instance, these could be customer names, which you already have existing in your database, and you do not want to type all these in individually here under the "Customer" job characteristic. To do this, proceed as follows:

1. Make sure that you have adjusted the ODBC settings described directly afterwards.
2. Activate the required job characteristic on the left.
3. Click on "Import data" on the right-hand side.
4. Select the right table from the database and confirm with "OK".
5. If you want to allow only these values, activate the "Allow these values only" option as well, and complete your entry with "OK".

- **Unit**

Stipulate which unit of measurement is to apply to the fields in the SDF file referring to the display of areas, such as the used or plotted area of paper. There is a choice between "Millimetre", "Inch" and "Feet".

SDF file

- **SDF path**

If you want to produce invoices for print jobs that have been carried out, you must activate this setting. To do this, click on the "SDF path" option. RW-7140 PLOTBASE will automatically create an accounting file "Account.sdf" in the default directory specified here. You can change the folder in the usual way by right-clicking once on the button and searching for or creating the required folder.

An SDF file [Standard Delimited Format] can be read into and processed in a spreadsheet program such as Microsoft Excel. At the beginning of an SDF file, the fields are listed, separated by semicolons. These are followed by all the jobs including the re-

spective field entries, again separated by semicolons. The jobs are read according to the fields:

Job; JobName; EntryName; Customer; CostCenter; Distribution; UserName; Account; JobPlotter; Priority; RecycledPaperSize; PaperSize; FilmSize; TransparentSize; UsedTray; RecycledPaperUsedArea; RecycledPaperPlottedArea; PaperUsedArea; PaperPlottedArea; FilmUsedArea; FilmPlottedArea; TransparentUsedArea; TransparentPlottedArea; MirrorCount; RotateCount; ZoomCount; StampCount; FoldCount; FoldProgram; CopyCount; Notes; Time; Date; OriginalFileName

1002;ProjectPlan;C:\SPOOL\ssl\House21.090355\House2.tif;;;joe;;;Normal;;ISOA4;;;0;0;0;623;71120;0;0;0;0;0;0;0;0;0;1;;09:07:50;16.01.2004;House2.tif

The individual fields have the following meaning:

Field	Explanation
Account	Account to which the job is charged
CopyCount	Number of job copies printed
CostCenter	Cost centre
Customer	Customer for whom the job is intended
Date	Date of the print off
Distribution	Information, who is to receive the job
EntryName	Name of the entry in the character set
FilmPlottedArea	Film area used in [unit] ² during the print including possible waste cm ²
FilmSize	Film format used for the print
FilmUsedArea	Printed film area in [unit] ²
FoldCount	Number of folds in the printed set of drawings
JobName	Name of the print job
JobNumber	Consecutive number of the print job
JobPlotter	Plotter, used for plotting
MirrorCount	Number of reflections in the printed set of drawings
Notes	Free comments on the job
OriginalFileName	Original name of the entry file
PaperPlottedArea	Area of paper consumed in [unit] ² during plotting including possible waste
PaperSize	Paper format used for plot
PaperUsedArea	Printed area of paper in [unit] ²
Priority	Priority of the print job
RecycledPaperPlottedArea	Area of paper consumed in [unit] ² during plotting including possible waste
RecycledPaperSize	Paper format used for plot
RecycledPaperUsedArea	Printed area of paper in [unit] ²

RotateCount	Number of rotations in the printed set of drawings
StampCount	Number of stamp prints in the printed set of drawings
Time	Time printed
TransparentPlottedArea	Translucent area used in [unit] ² when plotting including possible waste
TransparentSize	Translucent format used for plot
TransparentUsedArea	Printed translucent area in [unit] ²
UsedTray	Used medium source
UserName	Name of the job producer
ZoomCount	Number of size changes in the printed set of drawings

• Configuration

Clicking with the mouse on "Configuration" opens the selection window for the "SDF file configuration". Here, activate all fields, which you want or need to have in the SDF file. The descriptions of the fields appear in the left-hand "Field" column in the form that they are used in RW-7140 PLOTBASE. The descriptions appear in the right-hand "Heading" column in the form that they are shown in RW-7140 PLOTBASE.

The fields appear in exactly the same order in the SDF file as can be seen here. If you want to change this order, because you always want to see the customer's name first for each data record, for example, mark the field to be moved and use the two blue arrows on the right to move the field to the required position.

If you also want to change the description of a field, because you want to have an alternative description in the SDF file to the one specified here, mark the field to be changed and simply overwrite the text, which is now highlighted in blue.

Complete your settings with "OK".



Note: As, under certain circumstances, many a RW-7140 PLOTBASE user may wish to manage SDF files without losing the content, the program does not overwrite existing SDF files. To be able to save an SDF file with the settings that have been made here however, either select a different folder for the new SDF file or

move the existing SDF file into a different folder, or simply rename the existing file - for example, from "My001.sdf" to "My001.sd".

"Authentication" tab

The RW-7140 system provides two types of authentication - the software-based "PLOTBASE Authentication" and the hardware-based "Machine Authentication".

- **PLOTBASE Authentication**

The "PLOTBASE Authentication" is the "software-based Authentication" in which RW-7140 PLOTBASE works with Windows. The settings on the RW-7140 plotter must be switched off. The settings on the tab:

"PLOTBASE Authentication" = Windows

"Machine Authentication" = OFF

1. When installing RW-7140 PLOTBASE on the server, the Setup Launcher automatically creates a Windows user group with the name "PLOTBASE Users".
2. As administrator, in this Windows user group create all the users and user groups that will be allowed to print on RW-7140 PLOTBASE.
3. On the "Authentication" tab, activate the "Windows" PLOTBASE authentication.
4. As soon as a RW-7140 client sends print jobs, RW-7140 PLOTBASE checks to see whether the users of the RW-7140 clients are in the Windows user group "PLOTBASE Users". "Users of the RW-7140 clients" refers to users that are logged on to the Windows operating system on the client PC.
5. If a RW-7140 client user has not been added to the Windows user group, the authentication procedure will fail! The RW-7140 client user will receive an e-mail message provided that the response function has been activated in the RW-7140 client including a mailing address.
6. Whenever an authentication procedure fails, this means that a user has not been added to the Windows "PLOTBASE Users" user group. Read the instructions below on what to do in this case.

- **Machine authentication**

The "Machine Authentication" is the "hardware-based authentication" in which RW-7140 PLOTBASE is dependent on the set-

tings in the RW-7140 plotter. Here the PLOTBASE and Windows settings are insignificant.

For details on the authentication options for the plotter, see the related component manual.

The settings on the tab:

"Machine Authentication" = [ON]
"PLOTBASE Authentication" = OFF

1. Identify the authentication method that should be set up on the RW-7140 plotter.
2. As administrator, set up all the users on the RW-7140 plotter who are allowed to print on RW-7140 PLOTBASE, including the user code or user name, in accordance with the relevant plotter instructions.
3. Inform all the users set up of their user code, or the user name and password, so that they have all the necessary information handy when the authentication query is made.
4. When the print job is sent to RW-7140 PLOTBASE, an authentication query opens for the RW-7140 client user. Based on the settings in the plotter, the user will either have to enter a "user code" or a "user name and password" to be able to print. Until new authentication data have been entered, the RW-7140 client will always save the most recently entered data so that it doesn't have to be entered again during a running session.
5. As soon as the authentication data have been sent, RW-7140 PLOTBASE asks at the RW-7140 plotter if these authentication data are set up and will forward the print jobs on to the plotter without a separate own authentication.
6. If these authentication data have not been set up yet, the print job will be tagged with status "Problem". Read the instructions below on what to do in this case.



Note: With machine authentication, the authentication will only remain active when you have activated it on the RW-7140 plotter! When you have deactivated the function again on the plotter, the RW-7140 programs run again in normal mode.

- **Failure of authentication**

"What do I do when the PLOTBASE authentication fails?"

In this case, as administrator you will add the new user to the Windows user group with the name "PLOTBASE Users". RW-7140 PLOTBASE does not have to be closed and restarted here! When you have set up the new user, you can restart the failed job in RW-7140 PLOTBASE yourself or ask the RW-7140 client user to resend the job.

As long as you did not create the missing user, you can print out the failed job as administrator by selecting the concerning job and using the context menu item "Plot job as administrator".

"What do I do when the machine authentication fails?"

In this case you will add the new user to the plotter's user database. Make sure the RW-7140 plotter is not currently processing any print- or scan jobs; otherwise the plotter's panel will be locked. With possible print jobs, one option is for you to deactivate the autoplot function in RW-7140 PLOTBASE. When you have set up the new user, you can restart the failed job in RW-7140 PLOTBASE yourself or ask the RW-7140 client user to resend the job.

"Media Types" tab

Proceed as follows if you have other medium types which you want to create in addition, for example because of specific devices or a specific medium, or for simpler differentiation:

1. In the medium list, mark the medium to which you want to add an additional medium type.
2. If necessary, enter a brief description, e.g. if the name does not provide sufficient information or additional information is helpful.
3. Now stipulate the "Medium attributes". "Visible" means that the medium is displayed and can be selected in RW-7140 PLOTCLIENT WIN.
4. Click on "OK" to confirm and conclude your entries.

"Input Profiles" tab

For further information on color management please refer to any of the following websites, e.g. www.color.org, www.eci.org or www.swop.org.

RGB

- **sRGB standard profile**

This profile is the default for for web design, office and private applications.

- **ECI standard profile**

The ECI RGB color space specified by the "European Color Initiative" is suitable for pre-press and DTP work.

- **ColorMatch standard profile**

The ColorMatch RGB color space is similar to the sRGB color space, but with a gamma value of 1.8 (sRGB 2.2). Furthermore, ColorMatch RGB is conceived for illuminant D50 (sRGB for D65).

- **Use profile file**

Instead of these three standards you can create an own profile file and instruct the program to use it for printing. To obtain proper print results, this possibility is recommended only with appropriate skills.

In brief, it can be said that sRGB and ColorMatch RGB are suitable for [the color spaces of] monitor applications. ECI RGB is suitable for pre-press [color spaces].

CMYK

While sRGB and ColorMatch RGB are used primarily for screen applications and ECI RGB for pre-press, on the other hand all print systems, whether color laser, ink jet or offset printing, work with the CMYK color system.

- **Euroscale standard profile**

Industrial color printing with CMYK colors is called "Printing to Euroscale". This is the common word for European offset printing and is correctly called "ISO scale", which refers to the standard ISO 2846.

- **SWOP standard profile**

The SWOP standard profile is the US standard web offset printing.

- **ISO FOGRA standard profile**

This standard profile has been drawn up by the "Fogra Forschungsgesellschaft Druck e.V. München" and is deemed to be one of the most modern profiles.

- **Use profile file**

Instead of these three standards you can create an own profile file and instruct the program to use it for printing. To obtain proper print results, this possibility is recommended only with appropriate skills.

Change language

When starting the program for the first time, your RW-7140 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 steps in Windows without any further adjustments:

1. Open the language setting using the menu point "Configuration - Language".
2. Adjust the required language and press "OK" to confirm.
3. Start your RW-7140 program again.

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

Print job

The following chapters explain how you can plot a job manually or automatically and how jobs can be interrupted or deleted.



Attention: If you want to use the bypass tray, please use the following procedure: Start the print job first! Wait until the program tells you to insert the medium in the bypass tray. The plotter will not print if you proceed the other way round.

Set plot mode

There are two types of program sequence to choose from for the plot mode. The program will automatically process the print jobs as soon as they appear on the job list (autoplot mode); alternatively, you send them to the plotter manually using the "Print" command.



Note: As long as you run RW-7140 PLOTBASE in "Autoplot" mode, you cannot send individual jobs to the printer manually using the "Job - Plot" menu item. Bypass tray (manual) is only possible if the "Autoplot" mode is not active.

Autoplot mode

In the active "Autoplot" mode, jobs with the "Ready" status are automatically processed and sent to the plotter. The sequence in which the jobs are processed depends on the priority of the jobs. If the jobs have the same priority, the job number is taken into consideration.

Even when the "Autoplot" mode is active, "Problem" jobs marked in red or jobs with the "Wait" priority are not printed automatically.

The "Autoplot" mode can be activated in two ways:

- mark the required device in the list of output devices and select the menu point "Autoplot" using the context menu,
- "Activate Autoplot" for the current device on the "Output device" tab under the menu point "Configuration - Output device - Configure",

It is also possible to alter the job characteristics at any time, even during the "Autoplot" mode. You can choose one of the following procedures:

- If you only want to alter the settings for individual jobs, it is advisable first to set their priorities to "Wait". All other jobs continue and you can make your changes to the "waiting" job in your own good time. As soon as you are ready, simply reset the priority.
- If many jobs need changing simultaneously, you can switch off the "Autoplot" mode and change the priority of all the jobs to be altered to the "Wait" priority, and then reset the "Autoplot" mode. You now have time to alter the waiting jobs while the other jobs are processed by RW-7140 PLOTBASE.

Manual plot mode

If you do not want RW-7140 PLOTBASE to work through the jobs automatically, deactivate the "Autoplot" mode for every output device.

If you want to send a job to the plotter while "Autoplot" mode is deactivated, first mark the job in the job list. You can then start the print process manually in three ways:

- from "Print - Print job" in the menu
- from the context menu obtained by right-clicking with the mouse, and the "Plot job" or "Plot job on" command
- by clicking the appropriate button with the blue plotter



Note: If the "Machine authentication" has been activated at your RW-7140 plotter, you have to enter ei-

ther a "User name" with "Password" or a "User code" to print jobs in the authentication mode. If you do not know your authentication data yet, please ask your administrator who is responsible for the user management.

Interrupt plotting

If a fault in the plotter or an error in the plot sequence make it necessary to stop the plotter, you have the following options:

- **Quit autoplot mode**

The Autoplot mode is used for the automatic processing of the print jobs. If you want to interrupt the printing process for longer, for example to check the settings of the print jobs or to change a roll, deactivate the Autoplot mode either by clicking on "Auto" or by clicking on "AutoPlot is on" in the "Graphic Device Overview" window. Print jobs that have already been started will then be completed, after which the print process will stop. You can now make changes to other jobs.

- **Cancel creation**

If only specific print jobs are to be terminated, mark them in the job list, open the context menu by right mouse clicking on it and select either the command "Cancel job" or "Print - Delete SSL job" from the menu.

Repeat printing

If you wish to print a job for a second time, proceed as follows:

1. Select the job concerned from the job list. If required, you can still make changes to the job by opening and correcting the settings to be changed in the job editor by double-clicking.
2. Select one of the print commands from the context menu, from the "Print" menu, or the print icon on the toolbar. The job will then be printed again.

Delete jobs

If you wish to delete one or more jobs from the job list, select one of the following alternative methods:

- Mark the print job that you want to delete in the job list and select "Print - Delete SSL job" from the menu. You can delete all jobs with "Print - Delete all jobs". All print jobs in the currently active "Job list" window will be deleted.



Attention: Check again in the job list whether the indicated print jobs really are to be deleted. It is possible that the jobs for all output devices are currently being displayed, so that you might unintentionally delete all jobs on all output devices!

- Mark the job in the job list that you want to delete and click on the following button:



If, on the other hand, you want to delete all print jobs in the currently active job list, click on the following button:



Attention: Check again in the job list whether the indicated print jobs really are to be deleted. It is possible that the jobs for all output devices are currently being displayed, so that you might unintentionally delete all jobs on all output devices!

- Mark the job to be deleted with the mouse, open the context menu with the right mouse button, and select the "Delete job" command.
- Another possibility is to leave all the jobs in the job list, and

to manage the job list automatically using your "History" setting. In the configuration settings, you can define the maximum number of jobs that are to be contained in the list. The oldest jobs will be deleted.

Restart "problem" jobs

In the "Print" menu there is an option "Retry 'Problem' Jobs". This command enables you to rerun all the jobs that are in "Problem" mode indicated by a red color. The job status will be changed from "Problem" to "Pending". If the Autoplot function is activated, the jobs will be processed again. You can thus first resolve a problem common to several jobs and then rerun them simultaneously.

Job list

All job planned for plotting or that have already been printed are automatically included in the job list.

A job that contains at least one drawing including the corresponding SSL file that contains the detailed plot information is called a job.

The job list shows the following information for the individual print jobs: [Job] Owner, Output Device, Date, Plotted, Name, Number, Priority, Status.

You can reveal or conceal these items individually by clicking the right mouse button on a column head and selecting the option "Hide column" or "Show column".

To move a column, for example so that the most important information is right at the start of the table, click on a column head, hold the left mouse button and pull the column to the right position in the job list.

You can obtain information about a print job by double clicking on the corresponding line in a print job to open the window with information about this job.



Note: The RW-7140 system has been tested with up to 100 job entries. Although the system technically accepts more entries, we recommend to limit the number of documents to a maximum of 100 entries to ensure a smooth work flow.

Special job types

Apart from normal jobs, there are the following special types:

- Locked prints
- Sample prints
- Bypass tray
- Compressed jobs

These jobs are marked blue in the job list. This color shows that the user has to do something before the job can be printed.

Locked print

A locked print can be used if the drawings it contains are confidential. A security option is activated for the job in a client program. The user assigns a password for this job. Thus, only the user, who knows the password, can view and print this job in RW-7140 PLOTBASE. For the password, more than 32 characters can be accepted, however, it is recommended to use 4 to 32 characters!

As soon as the job has been printed it is automatically deleted.



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-7140 PLOTBASE by any user without entering the password. This ensures that jobs which cannot be printed are not listed in the job list for longer than necessary.

Sample print

If a very extensive job with several sets of copies has been produced, it can be useful to print off a test print first, so that you can check the quality of the printouts.

After starting the print job each entry will be printed only once. Then the printing of this job will be stopped automatically so that you can check the sample prints for a while. In the same time a window will be opened where you can find several possibilities for the further action:

- **No action**

If nobody acts the print job will be canceled and the following print jobs will be processed. You can restart the print job later.

- **"OK"-Button clicked**

You are satisfied with the quality of the sample prints so that the remaining entries can be printed.

- **"Cancel"-Button clicked**

The print job will be canceled. It can be restarted later.

A canceled print job can be restarted manually (click "Plot" in the context menu of the job list). After that the following window will be opened:

If "Yes" is selected, the remaining entries will be printed. If you select "No" a sample print (each entry only once) will be printed again. In this case the window will be opened which has been described at the top. The possibilities of action have also been described.



Attention: If you want to restart the canceled print job you do not need to change and save the following print parameters: Sample Print, Collate, Output, Job Copies, Copies. Also you do not need to exchange, add or delete entries in the entry list. If you still change and save the the parameters the print job will be processed like a new one. If you select the settings "Locked Print" and "Sample Print" for your print job, not only is the password demanded before starting the first printing but also if you have canceled and restarted the print job once again.

- **"Delete"-Button clicked**

The print job will be deleted.

Bypass tray

If the option "bypass tray" has been selected in the print job setting "medium source", you can place a medium in the plotter bypass tray by hand. For example, you can insert thick or colored paper which is not normally on the roll. Proceed as follows:

1. The print job appears marked in blue in the job list.
2. As soon as this print job has been processed by the program, the signal lights automatically activate a blue signal. This indicates that the user has to do something. This job has to be started by hand first of all (e.g. click on the "Print" but-

- ton).
3. As soon as this print job has been started, the user is asked to insert a medium in the plotter bypass tray. Please ensure that the inserted medium measures at least 210 mm x 257 mm and is inserted upright. The printing process now starts automatically.



Attention: Start the print job first! Wait until the program tells you to insert the medium in the bypass tray. The plotter will not print if you proceed the other way round.

Compressed job

If compressed print jobs do not come from RW-7140 PLOTCLIENT WIN but from another application or are copied manually into the CFG spool directory, these jobs have to fulfill the following prerequisites to be unpacked and printed by RW-7140 PLOTBASE:

- The zip file must be compatible with "pkzip, version 2.5" by PKWARE Inc.
- File names within the zip file must be valid in Windows operating systems
- Unicode characters are not allowed in file names within the zip file
- File names within the zip file must be max. 127 characters long
- If an SSL file has been sent in the zip file, it must be in the top directory ["root" directory] of the zip file
- If the zip file has no SSL file but just a print file, this must be in the top directory ["root" directory] of the zip file
- The total size of the zip file must not exceed 2 GB
- The total size of a file within the zip file must not exceed 2 GB
- The zip file must not be password-protected



Note: The above restrictions on overall size and file name do not mean that this kind of ZIP file could not be processed. But this could happen if the system is working absolutely at capacity limits. As processing is possible, in such cases RW-7140 PLOTBASE does not show any error messages or warnings.

Job characteristics

- **Number**

This column contains the consecutive job number, which is automatically assigned by the program for each incoming job.

- **Name**

This is the name of the print job. It is assigned in the PLOTCLIENT. If a drawing file is copied directly into the spool directory, the file name will appear here.

- **Owner**

This refers to the user, who for example has prepared the job in the PLOTCLIENT.

- **Output device**

Here, the output device on which the job is to be printed is displayed.

- **Priority**

The priority is first entered by the job creator in the PLOTCLIENT. As a comfortable feature you can start the print out of jobs with all priorities with single selection and also with multiple selection.

Wait: This is the lowest priority level. This priority shows that the print job literally "can wait".

Low: A job with this priority does not wait until all other jobs have been dealt with, but has three other priority levels before it, which are processed first.

Normal: If you do not classify jobs with a high priority, jobs with normal priority are processed quickly.

High: This is a high priority level, which the user can assign in

a client. It will be set for urgent jobs.

Immediately: This is the highest priority level. This priority can only be set in RW-7140 PLOTBASE and RW-7140 SCANTOOL. The current print job will be interrupted until the job with priority "immediately" is done.

- **State**

This job characteristic can be used to obtain information about possible problems or plot errors with the job concerned:

OK: = black = The job has been printed

Preparing data: = green = The job is prepared for printing

Pending: = blue = The job is ready for printing

Plotting: = green = The job is currently being printed

Locked print: = light blue = The job is protected by a password

Sample print: = light blue = A test print is to be made first

Manual: = light blue = The print job must be started manually. The job will be processed by the plotter not before you have put the medium into the bypass tray. Wait for the request to do so

Problem: = red = There is a problem; the job was not completed

Cancel: = red = The job has been cancelled

- **Date**

The date refers to when the job arrives in the plot folder, i.e. when RW-7140 PLOTBASE is aware of the job. If several jobs have the same priority, the job with the oldest date is printed first.



Note: A file format is used, which you have set in your operating system.

- **Plotted**

This is the date and time of the completed printout.

Job editor

To be able to edit the job settings in the job editor, you must first mark the relevant job in the job list. Only then will the settings for this job be displayed.

The altered settings for jobs or entries can be stored as follows:

- Simply select another job in the job list. The program automatically asks whether you wish to save the previously made settings.
- Select the menu item "Job editor - Save job".

Job correction

Job correction is a function, which tells you immediately if your settings are not supported by the connected devices.

- **Fix settings**

This command changes your setting to the alternative proposed by the program.

- **Undo**

This command is only active after a setting has been entered. It cancels only your last entry.

If you close the window with "Do not correct" after entering a setting to which the program responds with a correction proposal, your last entry in this dialogue can no longer be undone. The button is then deactivated.

- **Do not correct**

This command closes the job correction window without making any changes to your setting. The program will display the possible source of error in orange.

Job properties

The job editor window automatically displays all the entries for the job that the job creator created in PLOTCLIENT:

You can also hide individual properties if they are of no particular interest or if you do not want to change them. To do this, open the context menu and select the command "Hide column".

To change the information relating to a characteristic, you must first activate the appropriate line by double-clicking.

- **Account**

The account [number] of the customer is entered here. This can be an account number that is allocated in-house or an in-house invoice recipients.

- **Collate**

Activate this field if the plot job is to be printed out sorted. Sorted means that the entries of a job 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.

- **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.

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

Format name: Choose the format group in order to have a clear overview in the "Format" selection.

Format: Enter the size of the sheet of paper where the individual pages are to be printed together. 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 trays 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 medium supply 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 "W" direction arranges the pages in columns from top to bottom until the column is full, before beginning with the next column.

- **Contact**

This field is a pure information field and displays the contact information.

- **Cost center**

This field is a pure information field and displays the cost center for a print job.

- **Customer**

This is the name of the customer for whom the plot job is being carried out.

- **Delete**

If you activate this option, the job will be deleted after printed out.

- **Distribution**

In this field you can enter who is to receive a copy of the job.

- **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.



Note: RW-7140 PLOTBASE allows to specify paper sizes from a wide variety, including paper sizes which might not be common in the area where you live. If you send a document to the document server and specify a size, which is different from the list of sizes supported by your engine (for example, send ISO A1 to NA model or ARC D to EU model) the resulting size in the document server will be rounded to the best next size, which your engine supports. In effect the resulting paper size may be a little different from your expectation.

- **E-mail**

The use of the e-mail function must be activated in the presets - see "Configuration - Properties - Notifications" menu. Some configurations, which are explained in the section entitled "Notifications tab", must also be carried out.

Here you can instruct the program to automatically send an e-mail to the user on successful completion of the print job.

- **Job flag sheet**

The job flag sheet is printed out together with the job. It lists all the job settings. You can also add further notes on the job in a text window which opens automatically as soon as this function is activated.

- **Job name**

This is where the name of the plot job is displayed, which the user has selected.

- **Notes**

This field is free for you to make comments.

- **Output device**

Here you select one of the plotters on the system.

- **Output tray**

Depending on the connected plotter, here you can select output

at the "top, bottom" or "front, rear, rear hold".

- **Page order**

Here you can specify the order in which the printed jobs are to appear in the output stack.

But the sequence of printouts in the output stack depends not only on the printing sequence but also on the output the plotter is using. Some plotters have two outfeeds. The plotter may internally again rotate the printouts for the front or the rear outfeed. You should therefore check how the documents emerge from these two outfeeds as standard - see the option "Standard":

Auto: On this setting, the drawings are held in the outfeed in the sequence specified in the job editor (1,2,3,4,...). This is irrespective of whether you have selected the "front" or the "rear" outfeed.

Standard: On this setting, the drawings are printed out in the sequence specified in the job editor (1,2,3,4,...). The sequence in which they are finally held in the output stack depends upon the outfeed. If you only have one outfeed, the drawings will normally be in the same order (1,2,3,4,...) in the output stack. A second outfeed may reverse this order (...4,3,2,1). The actual result will depend upon the model of plotter used.

Reverse: The jobs are printed out in reverse order to that specified in the job editor (...4,3,2,1). If you only have one outfeed, the drawings will normally also be in reverse order (...4,3,2,1) in the output stack. A second outfeed may restore this to the original sequence (1,2,3,4,...). The actual result will depend upon the model of plotter used.

- **Priority**

The user has possibly set one of the following priorities: normal, high, low, wait. If they have not been assigned a priority, the job is assigned the priority "Normal". In this program you can subsequently alter the priority.

Changing a priority is for example useful if you have to alter the job settings. To do this, set the job priority to "Wait". You can then alter the settings in your own time, without having to stop the whole plot process.

- **Project**

This field is a pure information field and displays the possible

affiliation of a job to a project.

- **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.

- **User name**

This field displays the name of the employee who has compiled the plot job and sent it for printout.

Entry list

The entry list is an integral part of the job editor. It lists all the entries (drawing files, graphics files etc.) belonging to a particular job. The entries are numbered in sequence.

The drawing file will be displayed in the "File view" window as soon as you mark the appropriate entry in the entry list. To do this, the "File view" window must be activated via the "View" menu.



Note: The RW-7140 system has been tested with up to 100 job entries. Although the system technically accepts more entries, we recommend to limit the number of documents to a maximum of 100 entries to ensure a smooth work flow.

Default settings

The first line of the entry list, which shows "0(default)", has a special property. On this line you can enter settings which apply to all new entry additions. The advantage of this feature is that you do not have to repeat identical settings for each entry you add to the list. As soon as the new entries are inserted, they can be altered individually if necessary.

Entry properties

In order to change a parameter, first double click the field in which it is entered. The stamp editor and the pen settings are each explained in their own chapter.

- **Border**

If you want an additional white border around the drawing, activate the field "On" and enter the required spacing for all margins.

- **Copies**

Here you can specify how many copies of the drawing are produced.

- **Cut mode**

If you select "Synchro", the plotter will cut off the image immediately after the last data. The use of paper or rather the medium is thus optimized because only a minimum of waste cuttings is created.

If, on the other hand, you always wish the printout to be cut in a standard format, regardless of how much space remains unprinted, then select "Format". The plotter will thereby receive the command to cut according to the next largest format.

- **File info**

Here you will see the drawing size. If you require more details, select the context menu item "Document Information" or the icon with the "i" for "Information".

- **File name**

This is the file name. It cannot be altered.

- **Fold**

If a folder is connected, the device's various fold programs will be selectable here.

- **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.

If you do not know the position of the drawing header, leave the drawing header option "unknown" activated. The folder will then automatically select the best fold format for it.

- **Invert**

If you activate this option, the drawing will be inverted, i.e. black will appear as white and vice versa.

- **Media position**

You can use "Media position" to adjust the symbolic position on the paper if the picture is to be printed on a paper format which is much larger than the drawing size. 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. In the "auto" setting, the drawing will be placed top left.

- **Media source**

Here you can select the trays in which the rolls with the different printing materials (plain paper, film, etc.) are located.

If you select the "Auto" setting, the plotter chooses the media source that matches the format size of the drawing. Should this tray be empty, the plotter uses the tray (roll) with the next largest format. The option "bypass tray" can be used for printing on a special medium, like thick or colored paper. The job will be marked blue in the job list.

- **Media type**

Use this option to select which type of media the drawing is to be printed on: Don't care, Plain Paper, Translucent, Film or Recycled Paper.

- **Mirror**

In this area you can specify whether the drawing is to be mirrored or not during plotting.

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 vellum has been scanned with mirror inversion to increase the contrast.



Note: If you want to use both options "Rotate" and "Mirror" for the same drawing, first mirror the drawing and then rotate it!

- **Page range**

For multi-page files, here you can state which pages of the file are to be printed when not printing the whole file. As well as stating a page range "from .. to", you can also use the "Print" list to add whether all pages, only the even numbered or also the odd numbered pages in this range are to be printed.

- **Pen settings**

The pen settings for Calcomp, DWF/DWG/DXF, HPGL and VIC are so extensive that they are described separately in their chapters with the same names.

- **Picture type**

This setting applies exclusively to HPGL files. Try out which setting achieves the best printing result for the image concerned. You have a choice of "Mixed", "Line art" or "Graphic art".



Note: In the case of "Line art", the program always keeps the minimum line width of 1 pixel when scaling down to make sure that no information is lost during the printout.

- **Print quality**

Here you can stipulate the standard quality setting for your printouts: "Draft", "Standard", "High".

- **Rotate**

Here you can specify 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-7140 PLOTBASE will automatically rotate the drawing if this will result in less waste paper.

When you print a document which is shorter than the minimum folding length of your folder with activated folding, PLOTBASE tries to bypass the restrictions of the folder possibly by turning the document. As a result, the document is turned when printed. If you do not want this, switch the rotation function from "auto" to 0°.

- **Size**

Original: The "Original" entry is preset. Here, the medium size corresponds to the original drawing file.

Format: The "Format" setting presents you with drawing formats that are standard throughout Europe, in Asia and the USA, namely ISO A, ANSI A-E, Asia and ARC A-E, in addition to a number of special formats.

Window: If you use the "Window" format setting, you can freely

adjust the format width and height values.

If under "Format", you preselect one of the standard sizes ISO, ANSI or ARC, the format data will automatically be entered in the fields under "Window". This makes changing easier when the change differs only slightly from the standard format:

First select the required size under "Format". Now select the option "Window". Change the entries. The drawing will automatically be changed to match the size of the medium, i.e. the drawing length and width will be continuously scaled until it matches the selected medium. The result may be a distortion of the drawing. In order to prevent this, activate the option "Proportional". This will reduce or enlarge the drawing overall whilst at the same time retaining its length to width ratio.

Percent: If you want to scale the drawing set the format to "Percent". In this case, the "Scale" input fields are activated and you can enter any values between 1.0 and 1000.

- **Source color profile**

"Unprofiled (for target print)": No color calibration will be used.

"Server setting": With this option, RW-7140 PLOTCLIENT WIN uses the color profile which you stated in RW-7140 PLOTBASE under "Configuration - Settings - Input profiles" for the printout of a file.

"From image file": Some graphic formats include the color profile details with the graphic file. You can activate this option if you have this kind of graphic format.

"Use ICC profile file": If you select this option, in the following line you must state the color profile which is to be used. This color profile is then only used for the drawing being processed here.

"From the image file, if available else specified profile": Some graphic formats such as "jpeg", "tiff", "ps" and "pdf" include the color profile details with the graphic file. If you have this kind of graphic format and the color profile details are available, RW-7140 PLOTCLIENT WIN will access this color profile. But if the color profile is not available, the color profile stated in the dialog is used. However, if you have not stated a color profile, RW-7140 PLOTCLIENT WIN then uses the default color profile entered in RW-7140 PLOTBASE under "Configuration -

Settings - Input profiles". This option is suitable for example as default for jobs whose input i.e. picture files partly contain the color profile or which are partly without this information because of the format.

"Closed loop": This special color profiling is used only by Scan-tool.

"Best color match": The default print quality on a color inkjet - without using any profiles – usually gives poor results. To improve this some basic method for color adaption is used. The method depends on the inkjet plotter type. As a rule of thumb, this gives best results in cases when no ICC profile is available.

- **Stamp**

The stamp settings are so extensive that they are described separately in the chapter with the same name.

File information

Mark the desired image in the entry list and click on the button with the "i" for "Information".

For most file formats you can only see the "General" tab. This tab contains information about the drawing format, size and number of colors.

The tabs "[Format] General" and "[Format] Pens" appear only, if you open a HPGL, Calcomp, DWG/DWF/DXF und VIC drawing file. The "[Format] General" tab contains information on general pen settings (pen source, pen scaling, filling samples) which you can change in the job editor.

The "[Format] Pens" tab informs you of the pen settings. The red exclamation marks indicate that the pen is used with several pen sizes and only the last set pen size can be shown. The green check mark shows, that a pen is used for the current drawing.

Add and delete entries

A job usually already contains all the setting entries to be printed off. However, you may wish to enter another value, because changes were made at the last minute or the entry was simply forgotten.

Newly inserted entries can have the following file formats:

- 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)
- T6X (*.t6x)
- TIFF (*.tif)
[Group 3,4; uncompressed; Packbits; striped & tiled]
- Windows / OS2 Bitmaps (*.bmp)
- Windows Meta File..... (*.wmf)

The following file formats are available as an option:

- CGM..... (*.cgm)
- PDF (*.pdf)

- Postscript (*.ps, *.eps)
- VIC (*.vic)

You can only use the following formats if you have installed the "DWG/DXF/DWF option" on the server:

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



Note: RW-7140 PLOTBASE cannot print DWG and DXF files, that contain several single files.

Adding by menu command or button

1. Highlight an entry in the entry list, before or after the place where the new entry is to be inserted.
2. If you wish to insert the new entry after a highlighted entry, select the command "Insert Entry" on the "Job Editor" menu, or click on:



If the new entry is to be added to the end of the list, select the command "Add Entry" on the "Job Editor" menu, or click on:



3. The program opens a file selection window. Select the required file, which has one of the file formats and confirm with "OK". You can now highlight several files in order to insert several drawings in one operation.

Add using the right-hand mouse button

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. The following commands are offered: Insert Entry, Add Entry.
3. If the new entry is to be inserted after the marked entry, select "Insert Entry" .If the new entry is to be added to the end of the list, select "Add Entry".
The program opens a file selection window.
4. Select the required file, which has one of the above file formats and confirm with "OK". You can now highlight several files in order to insert several drawings in one operation.

Add using Drag & Drop

1. Open Windows Explorer and arrange the windows of RW-7140 PLOTBASE and Explorer so that they are positioned either next to each other or one above the other.
2. Mark the RW-7140 PLOTBASE entry after the new entry to be inserted.
If you want to insert a new entry in front of an existing one, mark the entry immediately preceding it. If you do not mark any entry, new entries will always be added at the end of the list.
3. Change to the folder in Windows Explorer that contains the file entry that you want to copy as the new entry.
4. Left click the required entry and, holding the mouse button pressed down, drag the file to the RW-7140 PLOTBASE entry list. You can also add several drawings in one operation - just as in Windows Explorer - by marking several files.

Add multiple entries

Sometimes, a customer job 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-7140 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 hard disk, if the files are very large and on the other hand, you cannot inadvertently insert a file with the same name but different content.

Delete entries

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

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



- Mark the entry to be deleted, click on the right-hand mouse button and choose "Delete entry" using the left-hand mouse button.

Pen settings

Select from the entry list the required entry for which you want to change the pen settings, and double-click on "details" in the entry line under the appropriately named column. Open the default settings in the "O(default)" line in exactly the same way:

Output Bin	Pen Settings	Stamp
auto	details...	off
auto	details...	off
auto	details...	off

It should be noted that the following always applies for the "O(default)" settings in the first line of the entry list:



Note: In all cases, changes to the "O(default)" settings relate to newly added entries only. Existing entries already in the job retain their settings.

Viewing the changes

As an additional function, when changes have been made to a particular entry, RW-7140 PLOTBASE provides a facility for viewing the changes to pen thicknesses and, to some extent, also pen colors, in the File view before printing. To do this, proceed as follows:

1. Activate the view under "View - File view" in the menu.
2. Select an entry in the entry list.
3. Open the settings by double-clicking on "details" in the entry list.
4. Change to "Pens" tab and activate "User defined" as pen source and color source.
5. Make your changes.
6. Quit the pen settings clicking "OK".
7. Click on the entry you have just changed.

The changes will be visible in the File view. Remember that

you may have to enlarge the view if you have only made minimal changes to the pen thickness, for example.

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".

DWF/DWG/DXF

The pen settings for the DWF/DWG/DXF almost the same as the settings for the HPGL[2] format. For the possible settings, please therefore read the following sections to see the pen settings for "HPGL and HPGL/2".

HPGL/2 - Saving settings

You can specify numerous pen characteristics on the HPGL/2 tabs, which RW-7140 PLOTBASE saves to an HPGL configuration file (*.hcf).

If you want to create a new configuration file, simply make your new settings on the tabs and save them with "OK". If you want to use particular settings again later, as a template, for example, you can save these under an unambiguous file name such as "hpglcopy.hcf". The file ending is ".hcf" and must be retained!

HPGL/2 - Pens

- **Pen source - Width**

If you activate "File", the pen size details are taken from the plot file being printed. However, if no settings were provided here, the plotter uses the standard defaults on the "Defaults" tab. If you activate "Custom", the printout uses your settings from the first tab "Pens".

- **Pen source - Color**

Same as "Pen source - Width" but applied to the pen colors.

- **Custom Pens**

Width

Enter the pen size directly from the keyboard. If you want to "switch off" a pen, you can enter "0" as pen width.

Color

Either click on the color button or enter the RGB values directly. If you want to "switch off" a pen, you can enter "white" as pen color.

- **All - Set**

To make your settings applicable to all pens, conclude the process by clicking once on "Set".

HPGL/2 - General

- **Size**

The information on the current image size is supplied by a command in the vector file, e.g. in HPGL from the "PS" command ["plot size"]. The application generating the file is responsible for ensuring that all vectors really correspond to the adjusted size and that the adjusted size is also as large as expected.

Most plotter languages differ from each other in many ways; this includes the paper size. As a result unwanted print results may be obtained.

If you activate the option "File", the drawing is printed exactly as it was produced in the original application.

If you activate the option "Auto", RW-7140 PLOTBASE automatically stipulates the size of the area to be printed on the basis of the outermost pixels of the drawing data so that no white margin is generated.

- **In case of scaling**

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 a minimum pen width.

- **Pen limits**

Minimum

The selected pen thickness must be large enough to reliably

print single pixels.

Maximum

Analog to the setting for minimum pen thickness, here you can stipulate the maximum thickness which a pen should draw.

HPGL/2 - Defaults

The settings on this tab are the standard defaults. They are only used if you have activated the "File" setting for "Width" and "Color" on the "Pens" tab but the corresponding plot file has no details on pen thickness and pen color!

If instead of these presets you want to use individual settings for your current print jobs, you must activate "Custom" on the "Pens" tab.



Note: The settings on this tab have global significance for this tab. Even if they are only adjusted as standard default for one single print file, they still apply to every other print file of this type! These plotter settings can be adjusted separately for all following file formats: HPGL[2], VIC, DWF, DWG and DXF.

- **HPGL/1 standard**

Corresponds to the standard values of an HP DesignJet 1055.

- **Black / White**

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

Calcomp - Saving settings

You can specify numerous pen characteristics on the Calcomp tabs, which RW-7140 PLOTBASE saves to a Calcomp configuration file (*.ccf).

If you want to create a new configuration file, simply make your new settings on the tabs and save them with "OK". If you want to use particular settings again later, as a template, for example, you can save these under an unambiguous file name such as "calcompcopy.ccf". The file ending is ".ccf" and must be retained!

Calcomp - Pens

- **Pen source - Width**

If you activate "File", the pen width details are taken from the plot file being printed. If you activate "Custom", the printout uses your settings from below on this tab.

- **Custom Pens**

Width

Enter the pen size directly from the keyboard. If you want to "switch off" a pen, you can enter "0" as pen width.

Color

Either click on the color button or enter the RGB values directly. If you want to "switch off" a pen, you can enter "white" as pen color.

- **All - Set**

To make your settings applicable to all pens, conclude the process by clicking once on "Set".

Calcomp - General

- **Pen limits**

- **Minimum**

- The selected pen thickness must be large enough to reliably print single pixels.

- **Maximum**

- Analog to the problem with the minimum pen widths, you can set the maximum thickness that the pen should draw.

- **In case of scaling**

- 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 a minimum pen width.

- **Synchronization**

- Synchronization is used to check the completeness of the Calcomp files. Four pieces of information are used for the synchronization settings:

- Sync char
 - End char
 - Double Sync
 - check sum

- You can either let RW-7140 PLOTBASE determine the values or you can enter the necessary settings yourself. If the program is to determine the values, activate "Autodetection".

- 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".

Stamp editor

You can open the stamp settings for a current entry in the entry list in the "Stamp" column by double-clicking on "off" or "details", depending on whether settings have already been made or not:

Output Bin	Stamp	Pen Settings
auto	off	details...
auto	details...	details...
auto	off	details...
auto	off	details...



Note: In all cases, changes to the default settings "0(default)" relate to newly added entries only. Existing entries already in the job retain their settings.

Make stamp

Proceed as follows to configure a new stamp:

1. The first stamp entry is provisionally set to "000". Click on the following symbol to edit the stamp setting:



2. You can now delete the existing setting and enter your own for the first stamp.
3. You can now either enter your own settings for the stamps, as described in the following chapters or use an existing stamp configuration. For the latter, click on the "Open" button under "Configurations". Now select a configuration that you have saved previously (read the following section "Stamp configurations") from the file selection. Now save this configuration by clicking on the button with the same name; i.e. "Save". This configuration 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 apply for one entry only or for a limited number of entries. However, you can also save a stamp configuration in its own "Stamp file". It can then be used at any time as default for a new stamp, which you would like to use for other entries.

The stamp files have the file extension [*.stp]. It is advisable that this extension always be retained.

Should you want to start the configuration, you must use the "Open" button. The "Open", "Save as" and "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, 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

- **Mirror**

The standard orientation of the text is always "as read". You can mirror the text here in four ways:

- **None:** The text is not mirrored and is "as read".
- **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 "as read". Here you can alter the text rotation of in 1° steps.

- **Stamp mode**

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

- **Opaque:** The stamp overwrites the area of the drawing beneath it.
- **Transparent:** In the "Transparent" 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 determine 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", "centred" to "bottom".

In addition, you can shift this fixed position in the field to the right of it by a valid size unit.

- **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 is to be enlarged or reduced.

- **Scale stamp**

Use "Scale 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.

- **Enable frame**

Activate the "Enable frame" option if you want a stamp frame to be printed:

- **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 between the stamp contents and the stamp frame.
- **Lower setting:** The lower setting is used to specify the thickness of the stamp frame.

"Data" tab



Note: The use of stamp texts can be limited by your system's currently available resources. It may be possible that the stamp text cannot be printed if it has very long texts or very large characters. In this case, it is advisable to make the character size smaller or to reduce the length of the text. To a certain extent, it can help to add more RAM memory to the system or to enlarge your system's swapfile.

- **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 com-

mon word processing programs.

- **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-7140 PLOTBASE 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. The following macros are available:

- **Date:** With this macro, RW-7140 PLOTBASE inserts the date of the plot. In the preview you can just see the current date because the plot date is not known.
- **File title:** This macro gives the file name of the drawing how it is saved in the SSL directory of the server PC (e.g. house003.tif).
- **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 name of the server PC where RW-7140 PLOTBASE is installed.
- **Account:** This macro inserts the text of the job editor field "Account" in the stamp.
- **Creation appl:** This macro gives the name of the application which is used for creating a job (e.g. RW-7140 PLOTCLIENT WIN).
- **Customer:** This macro inserts the text of the job editor field

- "Customer" in the stamp.
- Distribution: This macro inserts the text of the job editor field "Distribution" in the stamp.
- Job name: This macro inserts the text of the job editor field "Job name" in the stamp.
- Notes: This macro inserts the text of the job editor field "Notes" in the stamp.
- User name: This macro inserts the text of the job editor field "User name" in the stamp.

- **Stamp gradation**

This option is only available, if you select stamp type "Opaque" or "Inverting". There are four different intensities: Black, dark grey, grey and light grey. Default is black.

- **Logo**

Select a graphic using the "Browse" button, which is to appear in the stamp as a logo. For example, the firm logo. The file formats that can be used are: BMP, CALS, CGM (optional), CIT, EPI (optional), EPS (optional), HPGL, HPGL/2, HPGL-RTL (s/w), PCX, PDF (optional), PS (optional), TG4, T6X, 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.

File formats

In the following chart all file formats are listed, that are supported by RW-7140 system:

File format	Color depth	Compression	Print	Scan
TIFF - Tagged Image File Format				
Adobe Developers Association / June 3, 1992, Revision 6.0				
	1 Bit B/W	Uncompressed	yes	yes
		CCITT/3 1D	yes	yes
		FAX CCITT Group 3	yes	yes
		FAX CCITT Group 4	yes	yes
		Packbits	yes	yes
		Tiled FAX CCITT Group 4	yes	no
		LZW	yes	yes
When opened in Scantool, transformed to 8 Bit Gray	4 Bit Gray	Uncompressed	yes	no
When opened in Scantool, transformed to 8 Bit Gray		Packbits	yes	no
when opened in Scantool, transformed to 8 Bit Gray		LZW	yes	no
When opened in Scantool, transformed to 24 Bit RGB	4 Bit Palette	Uncompressed	yes	no
When opened in Scantool, transformed to 24 Bit RGB		Packbits	yes	no
When opened in Scantool, transformed to 24 Bit RGB		LZW	yes	no
	8 Bit Gray	Uncompressed	yes	yes
		Packbits	yes	yes
		LZW	yes	yes
When opened in Scantool, transformed to 24 Bit RGB	8 Bit Palette	Uncompressed	yes	no
When opened in Scantool, transformed to 24 Bit RGB		Packbits	yes	no
When opened in Scantool, transformed to 24 Bit RGB		LZW	yes	no
	24 Bit RGB	Uncompressed	yes	yes
		Packbits	yes	yes
		LZW	yes	yes
** Limitation: Files may be accepted and printed	32 Bit CMYK	Uncompressed	no **	no
** Limitation: Files may be accepted and printed		LZW	no **	no

BMP - Windows Bitmap Format				
Size limits apply				
	1 Bit B/W	Uncompressed	yes	yes
When opened in Scantool, transformed to 24 Bit RGB	4 Bit Palette	Uncompressed	yes	no
	8 Bit Gray	Uncompressed	yes	yes
When opened in Scantool, transformed to 24 Bit RGB	8 Bit Palette	Uncompressed	yes	no
	24 Bit RGB	Uncompressed	yes	yes
BMP OS/2 - Windows Bitmap Format				
Version 1.1 - 1.3 und 2.0 / Size limits apply				
	1 Bit B/W	Uncompressed	yes	yes
When opened in Scantool, transformed to 24 Bit RGB	4 Bit Palette	Uncompressed	yes	no
	8 Bit Gray	Uncompressed	yes	yes
When opened in Scantool, transformed to 24 Bit RGB	8 Bit Palette	Uncompressed	yes	no
	24 Bit RGB	Uncompressed	yes	yes
PCX				
Zsoft Paintbrush file format, Version 2.x bis 5.x / Size limits apply				
	1 Bit B/W	Run length	yes	yes
When opened in Scantool, transformed to 24 Bit RGB	4 Bit Palette	Run length	yes	no
	8 Bit Gray	Run length	yes	no
When opened in Scantool, transformed to 24 Bit RGB	8 Bit Palette	Run length	yes	no
	24 Bit RGB	Run length	yes	no
T6X				
RATIO Entwicklungen GmbH				
	1 Bit B/W	FAX CCITT Group 4	yes	no
CALS - Computer Aided Acquisition and Logistics Support Raster Format				
DODISS (Department of Defense Index of Specifications and Standards)				
	1 Bit B/W	MIL-STD 28002A	yes	yes
		MIL-STD 1840B	yes	yes
Intergraph CIT				
Version 3.2.0 / SDN 84-007 Intergraph Corporation				
	1 Bit B/W	FAX CCITT Group 4	yes	yes
		FAX CCITT Tiled-Group 4	no	no

JPEG - Joint Photographic Expert Group				
CCITT - The International Telegraph and Telephone Consultative committee				
** Compression decided by software automatically	8 Bit Gray	Baseline	yes	yes **
		Progressive	yes	no
** Compression decided by software automatically	24 Bit RGB	Baseline	yes	yes **
		Progressive	yes	no
HPGL, HPGL/2				
Hewlett-Packard Graphics Language / Hewlett Packard				
	1 Bit B/W	HPGL	yes	no
When opened in Scantool, transformed to 8 Bit Gray	4 Bit Gray	HPGL	yes	no
	4 Bit Palette	HPGL	no	no
	8 Bit Gray	HPGL	yes	no
When opened in Scantool, transformed to 24 Bit RGB	8 Bit Palette	HPGL	yes	no
	24 Bit RGB	HPGL	yes	no
HP-RTL				
Hewlett-Packard Raster Transfer Language / Hewlett Packard				
** Compression decided by software automatically	1 Bit B/W	HP-RTL	yes	yes **
When opened in Scantool, transformed to 8 Bit Gray	4 Bit Gray	HP-RTL	yes	no
When opened in Scantool, transformed to 24 Bit RGB	4 Bit Palette	HP-RTL	yes	no
** Compression decided by software automatically	8 Bit Gray	HP-RTL	yes	yes **
When opened in Scantool, transformed to 24 Bit RGB	8 Bit Palette	HP-RTL	yes	no
** Compression decided by software automatically	24 Bit RGB	HP-RTL	yes	yes **
Postscript				
Adobe Systems				
	1 Bit B/W	PS , EPS	yes	no
When opened in Scantool, transformed to 8 Bit Gray	4 Bit Gray	PS , EPS	yes	no
When opened in Scantool, transformed to 24 Bit RGB	4 Bit Palette	PS , EPS	yes	no
	8 Bit Gray	PS , EPS	yes	no
When opened in Scantool, transformed to 24 Bit RGB	8 Bit Palette	PS , EPS	yes	no
	24 Bit RGB	PS , EPS	yes	no

PDF - Portable Document Format				
Adobe Systems, Version up to 1.6				
** Compression decided by software automatically	1 Bit B/W	FAX CCITT Group 4	yes	yes **
		Packbits	yes	yes
When opened in Scantool, transformed to 8 Bit Gray	4 Bit Gray	Packbits	yes	no
When opened in Scantool, transformed to 24 Bit RGB	4 Bit Palette	Packbits	yes	no
	8 Bit Gray	Packbits	yes	yes
		ZIP	yes	yes
		LZW	yes	yes
When opened in Scantool, transformed to 24 Bit RGB	8 Bit Palette	Packbits	yes	no
When opened in Scantool, transformed to 24 Bit RGB		ZIP	yes	no
When opened in Scantool, transformed to 24 Bit RGB		LZW	yes	no
	24 Bit RGB	ZIP	yes	yes
		LZW	yes	yes
VIC				
OCÉ				
	1 Bit B/W	VIC	yes	no
When opened in Scantool, transformed to 8 Bit Gray	4 Bit Gray	VIC	yes	no
When opened in Scantool, transformed to 24 Bit RGB	4 Bit Palette	VIC	yes	no
	8 Bit Gray	VIC	yes	no
When opened in Scantool, transformed to 24 Bit RGB	8 Bit Palette	VIC	yes	no
	24 Bit RGB	VIC	yes	no
DXF				
Autodesk				
When opened in Scantool, transformed to 24 Bit RGB	8 Bit Palette	ASCII	yes	no
When opened in Scantool, transformed to 24 Bit RGB		Binary	yes	no
DWG				
Autodesk				
When opened in Scantool, transformed to 24 Bit RGB	8 Bit Palette	ASCII	yes	no
When opened in Scantool, transformed to 24 Bit RGB		Binary	yes	no

DWF				
Autodesk DWF toolkit				
When opened in Scantool, transformed to 24 Bit RGB	2 dimensional		yes	yes
	3 dimensional		no	no
WMF				
Microsoft Windows Metafile				
			yes	yes
CGM				
NIST CGM ATA, Release 2.0				
	B/W		yes	no
PNG				
ISO/IEC JTC 1 SC 24 - ISO/IEC International Standard 15948				
** Compression decided by software automatically	1 Bit B/W	Non interlaced	yes	yes **
		Interlaced	yes	no
When opened in Scantool, transformed to 8 Bit Gray	4 Bit Gray	Non interlaced	yes	no
When opened in Scantool, transformed to 8 Bit Gray		Interlaced	yes	no
When opened in Scantool, transformed to 24 Bit RGB	4 Bit Palette	Non interlaced	yes	no
When opened in Scantool, transformed to 24 Bit RGB		Interlaced	yes	no
** Compression decided by software automatically	8 Bit Gray	Non interlaced	yes	yes **
		Interlaced	yes	no
When opened in Scantool, transformed to 24 Bit RGB	8 Bit Palette	Non interlaced	yes	no
When opened in Scantool, transformed to 24 Bit RGB		Interlaced	yes	no
** Compression decided by software automatically	24 Bit RGB	Non interlaced	yes	yes **
		Interlaced	yes	no
Calcomp				
Calcomp Technology Inc.				
When opened in Scantool, transformed to 24 Bit RGB	4 Bit Palette	-	yes	no

The DWG/DXF/DWF formats are available only if the "DWG/DXF/DWF Option" is installed.

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