

Installing the Windows version of MegaCAD

Installation

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Installation

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Operating system requirements:

MegaCAD for Windows 3.1x 16-bit requires Windows Version 3.1 or 3.11 & DOS 3.3
MegaCAD for Windows 95 / NT 32-bit requires Windows 95 or NT Version 3.51 or 4.0

The menu bar.

File

- "Print Setup..." To set up the Windows print manager
- "Print Megacad.ini" To print out the file Megacad.ini (MegaCAD's main configuration file)
- "Exit" To quit the installation program

Initial Installation

- "Install" To install MegaCAD onto the hard disk

Modify Installation

- "Path setup..." To change the Path configuration of an existing MegaCAD installation
- "Option" To change the DXF-interface data units, or the line thickness of Postscript lines, using the "MegaCAD Print Manager".

Miscellaneous:

- [MegaCAD paths and their meaning](#)
- [Printing and plotting under Windows, using the Windows drivers](#)
- [The right hand mouse button](#)

File menu => "Print Setup..."

To set up the Windows print manager choose "Print setup..."

File menu => "Print MegaCAD.INI"

To print the main configuration file "MEGACAD.INI" choose "Print MegaCAD.INI..." A dialog box appears. Click "OK".

File menu => "Exit"

To quit the MegaCAD installation program choose "Exit". A dialog box appears asking you to confirm the termination of the installation program MegaCAD. Click "Yes".

Initial installation of the single user version of MegaCAD

To start the installation program:

For Windows 3.1x & Windows NT 3.51 user:

From the file menu choose "Run...". A dialog box appears. Enter the required source path "Source drive":Setup.exe.

e.g. A:\SETUP.EXE OR B:\SETUP.EXE OR (CD-ROM) D:\SETUP.EXE

and click the "OK" button. The MegaCAD installation program appears on the screen.

For Windows 95 & Windows NT 4.x user:

Click the "Start" button. From the start menu choose "Settings..." => "Control Panel...". The control panel program group appears. Double click the "Add/Remove programs" icon and the installation dialog box appears. Click the "Install" button. Insert your source installation medium (e.g. floppy disk or CD-ROM) and click the "Next" button. Windows will now detect the "MegaCAD setup program" and display its path. Finally click the "Finish" button. The MegaCAD installation program appears on the screen.

From the menu bar click "Initial installation" and depending on which version you have got, a drop down menu appears asking you to specify the required operating system.

- Install Windows 95 / NT 32-bit

OR

- Install Windows 3.11 16-bit

OR

- Install Windows 95 / NT 32-bit

- Install Windows 3.11 16-bit

Click the required operating system and the next dialog box appears asking you to specify the main installation path (drive and directory name) Specify the required installation path and click "OK".

Another dialog box appears, asking you if you want to

A) use the standard installation method (All default paths will be used)

or

B) use the user installation method (The user can specify all different sub-directories e.g. DXF file path)

Click the required radio button and click the "OK" button.

If you have chosen "Standard installation" a dialog box appears asking you finally to confirm if you want to install MegaCAD. Click "Yes" to continue. From now on simply follow the instructions on the screen to finish the installation.

If you have chosen "User installation" a number of dialog boxes appear allowing the user to specify the different paths. When this is done a final dialog box appears asking you to confirm if you want to install MegaCAD. Click "Yes" to continue. From now on simply follow the instructions on the screen to finish the installation.

Initial installation of the multi user version of MegaCAD

A MegaCAD multi user installation follows in two steps

1. Install MegaCAD from the source disks/CD-ROM on to the file server
2. Install MegaCAD from the file server to the workstation(s).

Install MegaCAD from the source disks/CD-ROM on to the file server

To start the installation program:

For Windows 3.1x & Windows NT 3.51 user:

From the file menu choose "Run...". A dialog box appears. Enter the required source path "Source drive":Setup.exe.

e.g. A:\SETUP.EXE OR B:\SETUP.EXE OR (CD-ROM) D:\SETUP.EXE

and click the "OK" button. The MegaCAD installation program appears on the screen.

For Windows 95 & Windows NT 4.x user:

Click the "Start" button. From the start menu choose "Settings..." => "Control Panel...". The control panel program group appears. Double click the "Add/Remove programs" icon and the installation dialog box appears. Click the "Install" button. Insert your source installation medium (e.g. floppy disk or CD-ROM) and click the "Next" button. Windows will now detect the "MegaCAD setup program" and display its path. Finally click the "Finish" button. The MegaCAD installation program appears on the screen.

From the menu bar click "Initial installation" and depending on which version you have got, a drop down menu appears asking you to specify the required operating system.

- Install Windows 95 / NT 32-bit Server

- Install Windows 95 / NT 32-bit Client

OR

- Install Windows 3.11 16-bit Server

- Install Windows 3.11 16-bit Client

OR

- Install Windows 95 / NT 32-bit Server

- Install Windows 95 / NT 32-bit Client

- Install Windows 3.11 16-bit Server

- Install Windows 3.11 16-bit Client

Click the required operating system with "Server" and the next dialog box appears asking you to specify the main installation path (drive and directory name) Specify the required installation path and click "OK".

Another dialog box appears, asking you if you want to

A) use the standard installation method (All default paths will be used)

or

B) use the user installation method (The user can specify all different sub-directories e.g. DXF file path)

Click the required radio button and click the "OK" button.

If you have chosen "Standard installation" a dialog box appears asking you finally to confirm if you want to install MegaCAD. Click "Yes" to continue. From now on simply follow the instructions on the screen to finish the installation.

If you have chosen "User installation" a number of dialog boxes appear allowing the user to specify the different paths. When this is done a final dialog box appears asking you to confirm if you want to install MegaCAD. Click "Yes" to continue. From now on simply follow the instructions on the screen to finish the installation.

1. To install MegaCAD on to the file server, please refer to "Initial installation of the single user version of MegaCAD". Only one difference occurs: When clicking "Initial installation" a drop down menu appears offering 2 menu items for each operating system. Installation to "server" and "client". Choose "Server".

When the file server installation is completed start installing the MegaCAD software on the workstations.

Install MegaCAD from the file server to the workstation(s).

2. To install MegaCAD from the file server to the workstation:

For Windows 3.1x & Windows NT 3.51 user:

From the file menu choose "Run...". A dialog box appears. Enter the required source path "Source drive path" \NETZ\Setup.exe.

e.g. K:\SYS\MEGACAD\NETZ\SETUP.EXE

and click the "OK" button. The MegaCAD installation program appears on the screen.

For Windows 95 & Windows NT 4.x user:

Click the "Start" button. From the start menu choose "Settings..." => "Control Panel...". The control panel program group appears. Double click the "Add/Remove programs" icon and the installation dialog box appears. Click the "Install" button.

Click the "Next" button. Windows will not be able to detect the "MegaCAD setup program". Click the "Browse" button and specify the required source path "Source drive path" \NETZ\Setup.exe.

e.g. K:\SYS\MEGACAD\NETZ\SETUP.EXE

Finally click the "Finish" button. The MegaCAD installation program appears on the screen.

From the menu bar click "Initial installation" and depending on which version you have got, a drop down menu appears asking you to specify the required operating system.

- Install Windows 95 / NT 32-bit Server

- Install Windows 95 / NT 32-bit Client

OR

- Install Windows 3.11 16-bit Server

- Install Windows 3.11 16-bit Client

OR

- Install Windows 95 / NT 32-bit Server

- Install Windows 95 / NT 32-bit Client

- Install Windows 3.11 16-bit Server

- Install Windows 3.11 16-bit Client

Click the required operating system with "CLIENT" and the next dialog box appears asking

you to specify the main installation path (drive and directory name) Specify the required installation path and click "OK".

Another dialog box appears, asking you if you want to

A) use the standard installation method (All default paths will be used)

or

B) use the user installation method (The user can specify all different sub-directories e.g. DXF file path)

Click the required radio button and click the "OK" button.

If you have chosen "Standard installation" a dialog box appears asking you finally to confirm if you want to install MegaCAD. Click "Yes" to continue. From now on simply follow the instructions on the screen to finish the installation.

If you have chosen "User installation" a number of dialog boxes appear allowing the user to specify the different paths and the choice if the workstation should use the data from the file server or from the local hard disk. When this is done a final dialog box appears asking you to confirm if you want to install MegaCAD. Click "Yes" to continue. From now on simply follow the instructions on the screen to finish the installation.

Meaning of the MegaCAD paths

***.PRT - Drawing path**

All 2D and 3D MegaCAD drawings have got the extension *.PRT

***.MAC - block/macro path**

All 2d & 3D block symbols have got the extension *.MAC

Temporary files

When MegaCAD is running, some functions (e.g. mirror) require additional memory which will be achieved by using temporary RAM files on the HDD.

CDL - Co-ordinate files

This is vector language in ASCII format which can be used for third application e.g. CAM

***.MBT - MegaCAD batch files**

MegaCAD batch files are files can call one or more MegaCAD commands and external programs. They can be created by using a simple ASCII text editor or the (Prof versions only) external program MConfig.

***.KEU - Function key file**

The professional versions of MegaCAD allow the user to create a user defined short cut file by using the external MConfig program.

***.FMT - DB Parts lists generator format file**

To specify the parts list output (search & format) the user can create different database format files.

***.DBF - DB Parts lists output file**

The parts list output from MegaCAD has got the default extension *.DBF.

***.DXF - ACAD drawing exchange format**

This drawing format can be exchanged with other CAD packages

***.VNT / *.FNT/*.MSS - MegaCAD vector font file**

MegaCAD comes with 11 different vector fonts which can be modified and expanded by using the external font editor program.

***.SLD - Composite drawings**

The external plot program allows the user to create composite print/plot drawings.

***.TXT - ASCII text files**

MegaCAD is able to read, write and process standard ASCII text to and from a hard disk e.g. to merge into a drawing.

Initial Installation

To start the MegaCAD initial installation select "Initial installation" in the top menu bar.

Depending on which MegaCAD version you have, a drop down menu appears offering you either

Single user version

- Install Windows 95 / NT 32-bit
- OR
- Install Windows 3.11 16-bit
- OR
- Install Windows 95 / NT 32-bit
- Install Windows 3.11 16-bit

Multi user version

- Install Windows 95 / NT 32-bit Server
- Install Windows 95 / NT 32-bit Client
- OR
- Install Windows 3.11 16-bit Server
- Install Windows 3.11 16-bit Client
- OR
- Install Windows 95 / NT 32-bit Server
- Install Windows 95 / NT 32-bit Client
- Install Windows 3.11 16-bit Server
- Install Windows 3.11 16-bit Client

Click the required operating system.

Modify installation => "Modify path"

To modify any path (excluding the main installation path) of an existing MegaCAD installation choose "Modify path..."

A dialog box appears displaying the current drawing (*.PRT) path.

To keep it click "OK" to modify it, specify the new path and click "OK".

Next, a dialog box appears displaying the current block/macro (*.MAC) path.

To keep it click "OK" to modify it, specify the new path and click "OK".

Finally, a dialog box appears displaying all additional paths (e.g. DXF file path) the current block/macro (*.MAC) path.

To keep them click "OK" to modify any, click the corresponding button and specify the new path and click "OK".

Modify installations => "Options"

To modify the DXF converter exchange unit and/or the Emergency MegaTech print manager default line width for postscript output..

After the dialog box appears, click the required DXF input unit, DXF output unit and postscript line default width.

Mouse Utilities in Windows

Mouse utilities which predefine the right hand mouse button in Windows must be removed!

MegaCAD uses the left and right mouse-buttons.

Printing and plotting under Windows, using the Windows drivers.

When MegaCAD is installed, no printer or plotter is installed. If the Windows functions are used to output a drawing, the printer or plotter must be installed under Windows. Please refer to the Windows manual for details of how to install a printer or plotter.

However, so that Windows users can utilise a printer or, particularly, a plotter for which they do not have a Windows driver (which may happen for older devices), we have retained the output options of the DOS version of MegaCAD under Windows. The following pages give a brief description of the procedures for printing or plotting under Windows.

When the plot program is first started, the output device which is active is always that installed under Windows. Setup and output to this device is initiated via the "File" submenu. This submenu contains the entries "Print" and "Printer setup" (these menu entries also apply for plotters).

The "Print" entry in the submenu outputs the drawing to a printer or plotter. The setup details for the output are specified in the submenu under "Printer setup".

Warning !!

If the Windows drivers are to be used for printing (plotting), do not select the menu item "Printer" ("Plotter") from the top menu bar.

These items in the menu are used solely for selecting the paper size (format) when the MegaCAD drivers are being used for printing instead of the Windows print functions.

When using the Windows drivers, the paper format is selected by means of the "Printer setup" entry in the submenu. Clicking on this entry in the submenu initiates the Windows printer setup dialogue.

The dialogue box which is displayed allows the user to specify the page format (size) and orientation, and the printer type. Additional options may be specified, depending on the printer type. For details of how to set up a printing/plotting task under Windows, please refer to the Windows manual and/or the printer/plotter manual.

After the printer/plotter has been correctly set up, use the "Print" option in the menu to output the drawing. Output is managed by the Windows Print Manager.

In MegaCAD it is possible to use and define plotter pens in a drawing in any required manner. However, if the Windows driver is being used for the plotter output a completely different approach is used. This arises from the requirement in Windows, that plotter pens are only associated with one particular colour. We regard this as a serious restriction, but unfortunately are unable to alter it. So what are the consequences of this regrettable situation? During drafting work, colours must be assigned to entities according to the required plotter pens. The implications will now be explained, using an engineering drawing as an example.

Engineering drawings generally use continuous lines, lines of short or long dashes, and lines of alternating dashes and dots. MegaCAD allows the user to reset the colour of each line type at any time during the drawing work, using the attribute bar.

However, under Windows it is far better to predefine each colour as being associated with a particular pen; this assignment can be made in the attribute window.

At this point, let us assume that continuous lines are to be drawn using plotter pen number 1, and will be coloured white (colour no. 15). Lines of short dashes will be yellow (colour no. 14), drawn with pen no. 2; lines of dashes and dots will be green (no. 10), drawn with pen 3; and lines of long dashes will be drawn with pen 4 and will be coloured red (no. 11). These settings can be made in the MegaCAD attribute window:

This window can be called up by selecting a function, e.g. "Lines - Free", and then selecting the attribute icon from the mode icons.

The attribute window contains the field shown here, which allows the user to activate the association between pens and entity types, and a column of coloured fields, with a number field to the right of each.

Click on each of the required number fields, and enter the appropriate plotter pen number, as defined above. Finally, activate these assignments by clicking on the PEN field, which should then appear on a green background.

The window is now closed by clicking on the END field. The values assigned can be saved for use in future sessions by selecting "Setup" from the main menu, followed by "Save current parameters" from the submenu.

In any subsequent drawing work, selecting any of the colours white, yellow, green and red will automatically assign the corresponding plotter pen for the drawing entity concerned.

Tip!

It is possible to simplify the working procedure even more, by defining line types 1 to 4 in the top-line attribute bar.

Assign line type 1 as a continuous line, coloured white; line type 2 as a line of short dashes, coloured yellow; etc. During drafting work, it is then only necessary to click on the required line type number, the colour and type of line will automatically be set, and the pen number will be obtained by reference to the attribute window settings described above.

At first sight, this procedure looks rather cumbersome; however, it will soon be found that it is completely practicable, and does introduce a certain discipline into drawings. Windows does not allow any other approach, so we have made the best of it.

On the other hand, if the MegaCAD plotter drivers are being used, everything described in the above section can simply be forgotten. MegaCAD can do better than that, and any assignment of pens to particular drawing entities will be faithfully observed on output. The procedure described above can, of course, still be used. In addition, it is possible to change the assignments of pens to colours and line types at the time of plotting.

If no Windows driver is available for the required printer/plotter, it is possible to use a MegaCAD printer/plotter driver. In this case, the settings are not made as described above (i.e. using the items "Print" and "Printer setup" in the "File" submenu). Drawings are instead output as described in the manuals, using the following icons in the menu bar:

Plot drawing and

Print drawing.

The following fields in the top line menu are used to set up the printer or plotter, and the page size, as described in the manuals.

The parameters of the link between computer and printer or plotter can also be set in the Setup window. The same window can also be used to specify the plotter or printer (depending on whether a printer or plotter is selected). The procedure is to click on the driver name, displayed to the right of "Driver name". The system displays a list of drivers, from which the required one can be selected. Particular parameter values must then be set, depending on the output device which is being used.

Individual options in the window are selected by clicking on them. When all the changes have been made, click on the "ok" field. The parameter values are then saved for future reference. If the data in the window is not to be saved, select instead the "Escape" field.

When a drawing is output by using the printer or plotter icon, an output file is created. The Plot program then transfers the data to the output device using Windows interface functions.

After the installation

Changing the installation parameters

If it is necessary to alter the default parameters originally set up when MegaCAD was first installed, select the installation icon from the MegaCAD program group. The parameter settings can then be altered.

Further settings in MegaCAD

To customise MegaCAD even more to your requirements, further options are available in the MegaCAD main program under the menu item "Settings" and the external configuration program "MConfig".

