

2. INSTALLATION



Before you can start using SPECTRUM 4.0, you must make sure that your PC meets the necessary requirements (see chapter 2.1 for system requirements) for optimum software function. To install the software, follow the steps shown in this chapter.

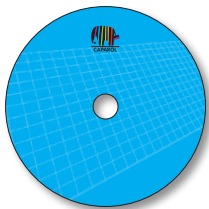
2.1 System requirements

For the installation of SPECTRUM 4.0 and further work with the software, the following system requirements must be met:

- Operating system Microsoft Windows: 7 / Vista / XP, with the latest Service Pack
- Minimum Pentium IV processor or similar
- Minimum 1 GB RAM, 2 GB recommended
- 5 GB free disk space on hard drive
- DVD-ROM drive
- USB socket for licence key / CM stick
- Screen resolution 32 bit colour depth, at least 1024 x 768, 1280 x 1024 recommended
- DirectX 9.0 or compatible graphics board

2.2 Installation process

Insert the Caparol SPECTRUM 4.0 DVD in the DVD drive of your PC and click on “Setup.exe” in the root folder of the DVD. The Caparol SPECTRUM 4.0 installation wizard will start and guide you through the installation process.



Note: To ensure SPECTRUM 4.0 is installed correctly, we recommend deinstalling the firewall during installation.

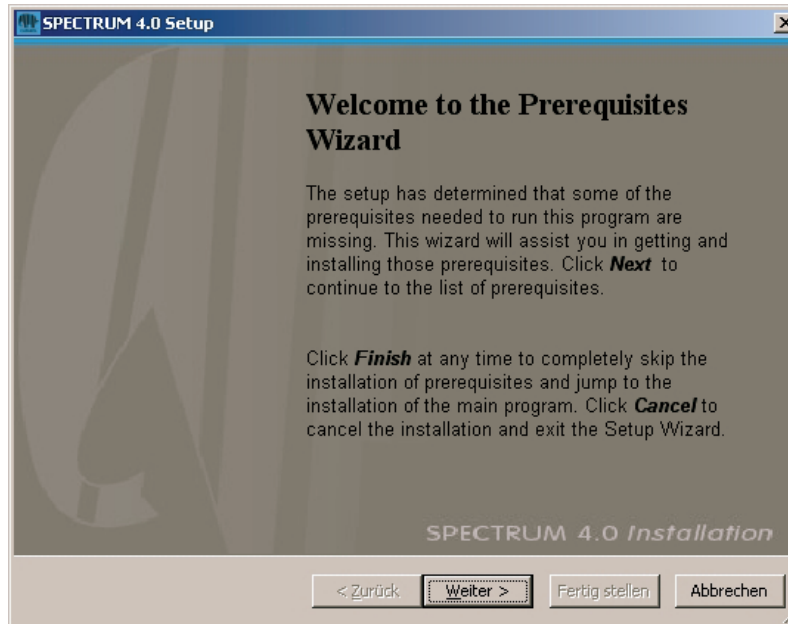
SPECTRUM 4.0 requires the following programs (included on the DVD) to run the main program:

- > Windows Installer for Windows 7 / XP / Vista
- > .NET Framework Version 3.5 or higher

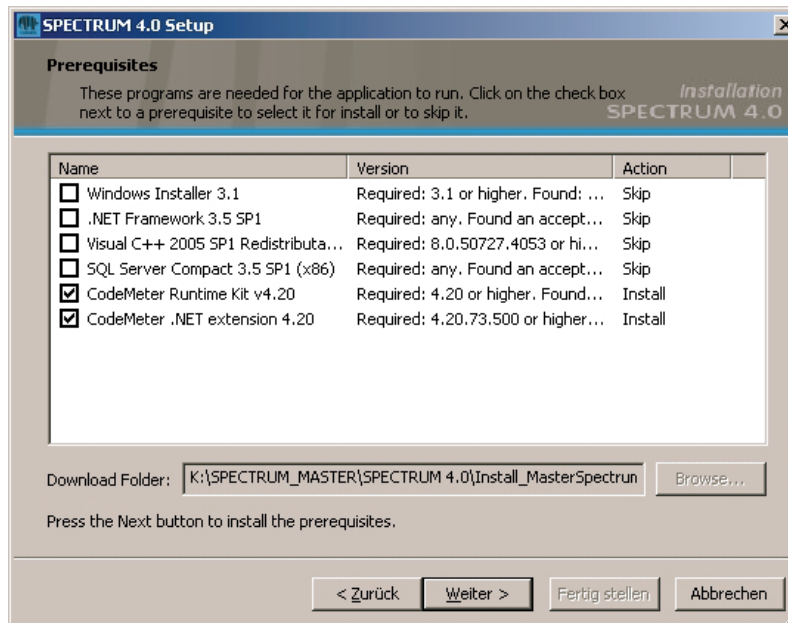
The Caparol SPECTRUM 4.0 installation wizard will check during startup if all the required programs

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have been installed. If this is not the case, the installation wizard for necessary programs will be opened automatically to guide you through their installation processes.



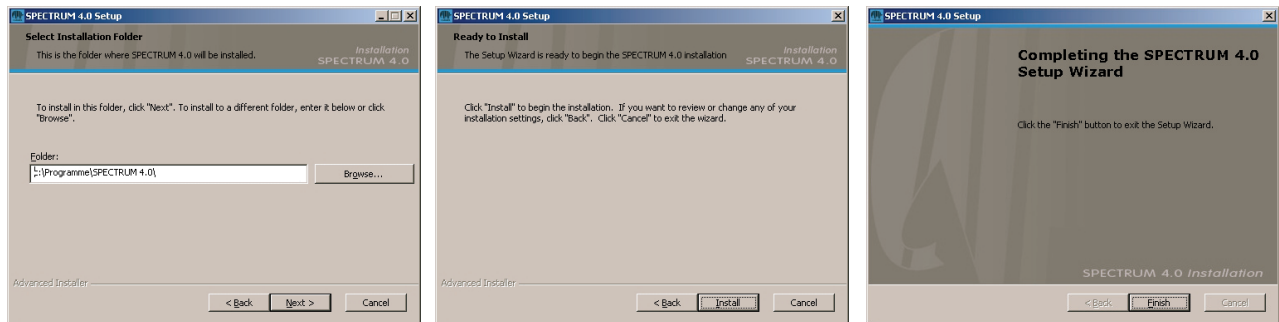
The installation wizard will show you on the next screen a list of which programs need to be installed. Click on the “Next” button to continue installation. The setup wizards for the required components will be called one after the other.



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Follow the respective instructions to install the programs. Using the checkbox provided, you can also select whether you want to interrupt the installation of SPECTRUM 4.0 after installing the necessary programs. This checkbox is activated by default.

As soon as all the programs necessary for the operation of the main program have been installed, the SPECTRUM 4.0 setup wizard will start. Follow the wizard's instructions to install the program.



When you have completed installation, insert the CM stick (your licence key) into a USB socket and start SPECTRUM 4.0.



Note: The CM stick must always be connected to be able to work with SPECTRUM 4.0.

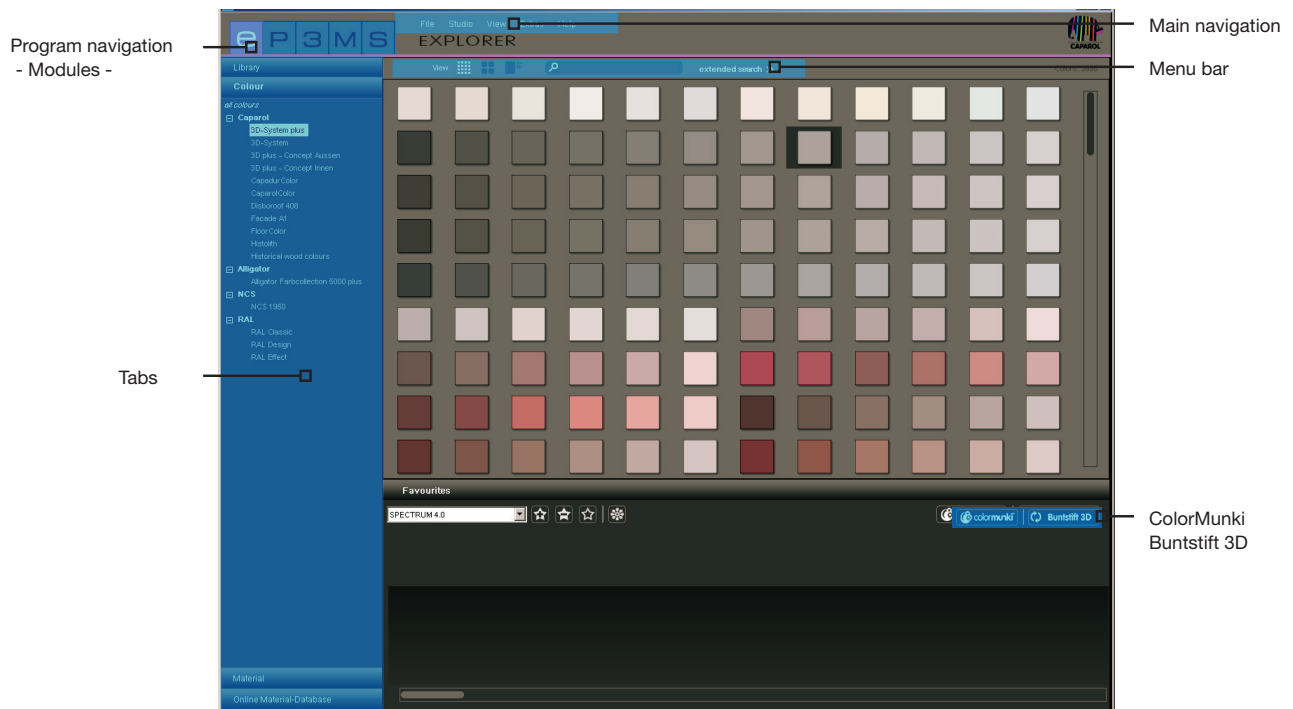
2.3 Updates

When you start the program, SPECTRUM 4.0 informs you about the availability of new updates. If you receive information about an update, always install it to ensure your software is up-to-date.

Note: The updates offered to you when you start the software only update the program itself. If you would like to load new colours or materials, you have to use the online material database integrated in the EXPLORER program module (see chapter 4.2.4).

3. PROGRAM OVERVIEW

3.1 Structure of the program interface



Main navigation

The main navigation bar is at the top edge of the screen and contains the options **File**, **Studio**, **View**, **Extras** and **Help**. These will be explained in more detail in chapter 3.2.



Program navigation – modules

Program navigation is in the top left-hand section of the screen and contains the five modules **EXPLORER**, **PHOTOstudio**, **3Dstudio**, **MATERIALstudio** and **SHOW**. These buttons can be selected from anywhere and enable users to change between modules. More detailed information about the way the individual modules work can be found in chapters 4 to 8.



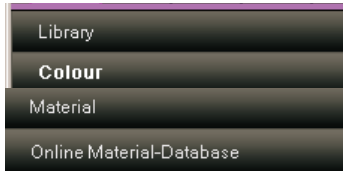
Function buttons on the menu bar

The function buttons for the individual modules can be selected directly under the coloured line of the modules in the central screen area. With the aid of these symbols you can import, export, save or print data, depending on the module. The buttons are explained in more detail in the respective module.



Tabs

There are tabs with different contents and tools positioned on the right and/or left-hand side of the program interface; these can be opened by clicking the tab name. The contents of the tabs are explained in more detail in the respective module.



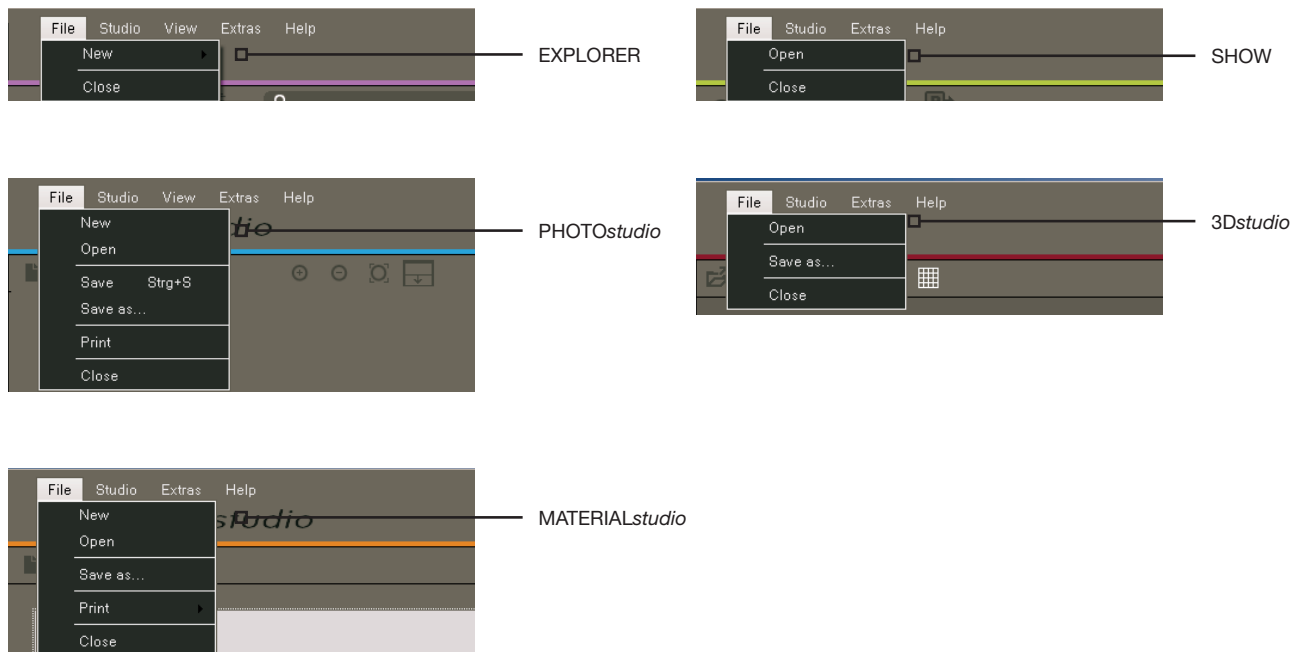
3.2 Main navigation

The main navigation contains the buttons used to switch between the various program modes of the five modules. They are available from every area.

The main navigation is visible from every area. Depending on the module currently chosen, it sometimes contains different functions that are characteristic for the particular module in question.

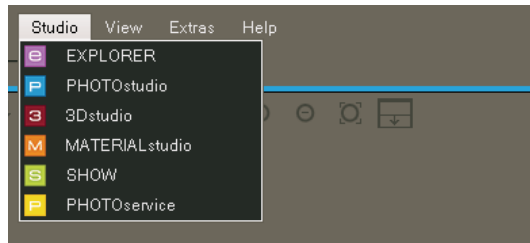
3.2.1 File

The contents of the “File” menu vary in the save, print or open options depending on the module. The “File” menu always includes the possibility of closing the program using “Exit”. You will be given more information about the “File” functions in the respective module.



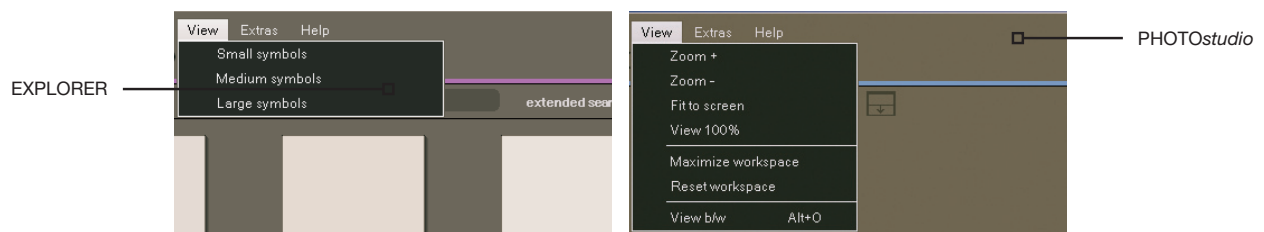
3.2.2 Studio

In the “Studio” you can change between the individual modules. Alongside an overview of the modules, you can also find access to the “PHOTOservice” here.



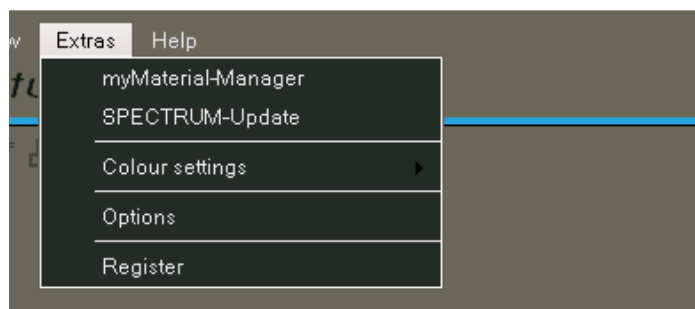
3.2.3 View

The “View” function is available as a menu item in the modules “EXPLORER” and “PHOTOstudio”. You will be given more information about the “View” functions in the respective module.



3.2.4 Extras

You have a choice of five different functions under “Extras”.



myMaterial-Manager

Click “myMaterial-Manager” to reach the “myMaterial-Manager” view of SPECTRUM 4.0. Find more information about this in chapter 10 “myMaterial-Manager”.

SPECTRUM-Update

Click “SPECTRUM-Update” to install the latest SPECTRUM 4.0 update on your computer. Refer to chapter 2.3 as well.

Colour settings

The “Colour settings” button can be used to calibrate your monitor/printer with the calibration bars or the ColorMunki. More detailed information about this can be found in chapter 11 “Colour true – calibration – ColorMunki”.

Options

If you fade in the “Options”, you have the possibility of changing the “General settings” for the directory, data directory and country/language. Under “Extended settings” you can change to Automatic saving of your data in the *PHOTOstudio* as well as representation of your graphics board (if your graphics board does not support the standard setting “Open GL” you can change to the “DirectX” setting here). In addition, you can activate or deactivate the display of the *PHOTOstudio* and *PHOTOService* wizards.

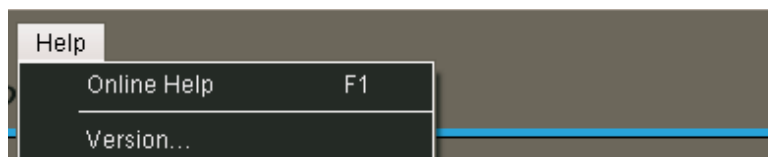
Registration

“Registration” takes you to the input window for registering your customer data for the use of *PHOTOService* or ordering the free newsletter. Further information about the *PHOTOService* can be found in chapter 9. Information about the free SPECTRUM newsletter service can be found in chapter 12.

3.2.5 Help

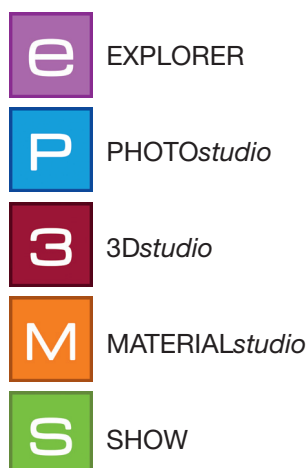
Clicking “Help” will take you to the “Online help” of the online version of the SPECTRUM 4.0 user manual (pre-requisite for this is an existing Internet connection).

The “Version...” area provides information about the current version for your SPECTRUM 4.0 on your PC. “Help” can be accessed from every module.



3.3 Program navigation – modules

The program navigation contains the buttons used to switch between the various program modes of the five modules. They are available from every area.



3.4 Shortcut commands

The use of shortcut commands can make working with *PHOTOstudio* easier. You can use them to get your work done faster:



Backspace



Delete point (last point added is deleted, pre-requisite: area opened)

Del



PHOTOstudio - Delete point (mark point then click Del)

Note: If the end point of an area is deleted, it opens again automatically.
EXPLORER - Delete project folder (mark project then click Del)

Ctrl + click



In Stamp mode: Define source point

Space bar + click



Move image (alternative: drag keeping the right mouse button pressed)

Shift + click



Multiple selection of points/lines (keep the Shift key pressed)

A



Select all (in “Component tools” tab)

Ctrl



Move selection (move the mouse while holding the Ctrl key)

Esc



Component tools>Grid - Move back to standard mode/move point

Page up



Zoom in (enlarge image), alternative: scroll using the mouse wheel

Page down



Zoom out (make image smaller), alternative: scroll using the mouse wheel

E + Click



Scale mode: Use “E” to change to “Scaling” mode, click on a spot to set vanishing point (= initial point for scaling), use the “A” key to select all, keep “Ctrl” key pressed and drag keeping mouse button pressed

I



Component tools - Invert selection

R + Click



Rotation mode: Use “R” to change to rotation mode, click on a spot to set rotating point (= initial point for rotation), use the “A” key to select all, keep “Ctrl” key pressed and rotate, keeping mouse button pressed

S



Component tools>Grid - Insert point in area/corner grid (keep “S” pressed and click on a horizontal line)

Ctrl + Z



PHOTOstudio - Undo one step

Note: When areas are created, the areas up to the ones closed last will be deleted.

Alt + O



View b/w

Ctrl + N



EXPLORER - Create new project

Ctrl + X



EXPLORER - Cut

Ctrl + C



EXPLORER - Copy

Ctrl + V



EXPLORER - Paste

Ctrl + R



Rename

(EXPLORER: click on an image in a project folder, then click Ctrl + R)

Ctrl + S



Save an intermediate status in the PHOTOstudio

F1



Request online help

Note: Pre-requisite is an existing Internet connection

3.5 Caparol Colour Collections pictograms

When a selection is made from the Caparol Colour Collection, different icons are shown depending on the colour. These provide information on whether the selected colour is possible in the respective materials:



Dispersion paints and synthetic resin-bound renders/plasters



Alkyd lacquers and acrylic enamels



Silicate paints (tintable with Capatint)



Silicate paints (to be tinted only by the manufacturer)



Mineral lightweight render/plaster



Silicone paints (tintable with Capatint)



Silicone paints (to be tinted only by the manufacturer)



Lime colours



Brightness reference value