

## Installing and Running applications

The procedures for installing, running up and configuring Movicon for correct system usage are described below. The Microsoft Windows installation already provides a operating system configuration for adapting to the hardware platform. However, it would be to your benefit to follow the few indications below for further optimization.

### Installing Movicon

The procedures for installing Movicon on the hardware platform are very simple, and comply with the Microsoft Windows specifications. When inserting the CD-ROM you will automatically enter into the installation environment where the guide command will activate for installing the Movicon components desired. When you wish to install Movicon manually from the CD, you can access the CD's folder from the Windows Explorer and execute the "Setup.exe" file contained in it, for example:

D:\Movicon\setup\Setup.exe

The Setup will carry out the Movicon installation on the PC, creating a group of Movicon icons upon terminating which can be accessed with the "Start" button from the Windows application bar. The Movicon Group, in icon form, will contain the shortcut to the Movicon .exe file. During installation, which takes a few minutes, you will be asked to enter the name of the folder in which files necessary to Movicon are to be organized. When you do not wish to change the name or path, simply confirm the "Movicon11.2" default folder which will then be created with the path: "..\Program Files\Progea\Movicon11.2".

In the first installation phases you will be asked for the installation type you wish to executed. The options are:

- **Typical:** installs the most commonly used components without requiring anything from the user (recommended)
- **Custom:** consents the user to select the components to install (recommended for expert users only)



Installing Movicon in panels with Windows 32/64 bit (standard o embedded) operating systems may not always end successfully if using a "removable disk" compact flash to do this operation (type can be viewed in disk properties).

This anomaly is due to a problem in the Windows Installer.

### Installing Languages

During the Movicon installation phase you will be asked to select the application's installation language (a following window will show to allow you to select other installation languages as well). The language resource files that are selected will be copied to the Movicon "LANG" folder after which it will be possible to change the Movicon installation languages using the "LangManagerPlus.exe" tool when need be. The languages made availabel will be those installed during the setup phase.

### Installing CAB files for WinCE

When installing Movicon in the normal way on a PC with Win32 and "MS ActiveSync" (for Windows XP systems) or Windows Mobile Device Center" (for Windows Vista systems) is detected, the "MovCESetup" folder will automatically be created in the Movicon installation folder as well. The ".cab" files will be copied within this "MovCESetup" folder for installing Movicon, Communication Drivers, ADO and SQL Server Mobiles in WinCE devices. In addition, the "Start-All Programs-Movicon11.x-MovCE" connections group will also be created consenting you to install Movicon and the necessary components on WinCE devices later on.

In cases where "MS ActiveSync" or "Windows Mobile Device Center" are not present therefore not detected when installing Movicon, the standard setup procedure will not create the "MovCESetup" folder. In this case you will need to select the "Custom" mode to implement the setup procedures if installing for the first time, or if Movicon has already been installed you must redo the setup using the "Modify" mode and enabling the "Movicon-Movicon Development-MovCE Setup" item including the sub-features to create the "MovCESetup" containing the ".cab" files for installing Movicon and relative components for WinCE. However, this mode will not create any connections in the Windows "Start" menu, therefore when installing on CE devices, you will need to copy the ".cab" files manually to the CE device (by selecting the right files for device type) and then run them in the device.

### Uninstalling Movicon

Movicon, in compliance with the Windows standards, consents to a simple system uninstalling to remove all its files from the PC.

To proceed with uninstalling Movicon simply activate the appropriate icon from the Windows Control Panel for installing/removing applications.

The uninstalling procedure will completely remove all the Movicon files upon receiving confirmation.

### Restore Default settings

All default settings will be restored if you press the "CTRL" key while starting up Movicon and keep it pressed down until Movicon has completely started up. This will restore the work area availability (windows, menus etc.) with their default parameters. This command must also be used when needing to change languages in the Movicon development environment using the ["LangManager"](#) tool.

## Movicon Execution

Movicon is a software platform which allows you to plane supervision applications and run them. Movicon therefore works in two modes:

- Project Designing (Development)
- Running Projects (Runtime)

The platform is installed as a executable application available in two versions:: Movicon.exe and MoviconRunTime.exe. Movicon.exe consents both project development and runtime execution, while MoviconRunTime.exe consents runtime execution only.



If not specified otherwise, the information given here refers to Movicon.exe, the product version which consents both development and runtime execution. Only the runtime execution engine (MoviconRunTime.exe). can be installed in plant systems.

## Movicon Startup

The Movicon installation will create a group of icons which can be accessed from the Windows' Start menu. When running the Movicon .exe without specifying any options will enter you into the Movicon environment in programming mode, with the automatic opening of a new project or with he last opened project.

By using the appropriate syntaxes in the Options for the command line at the Movicon startup you will be able to change the system's default settings, associate project files, custom modules and other options as explained below. The syntax for starting up Movicon with the command options is:

**Movicon /[Options] <project file>**

If you wish to startup Movicon and run a previously programmed project at the same time, you need to use the /R. option. Below an example is given for automatically running the TEST.MOVPRJ project file:

**C:\Program Files\Progea\Movicon11.2\Movicon.exe /R C:\Documents\Test.movprj**

If you wish to add or change the command options or the Movicon working folder in Windows, use the following procedures:

Press the right mouse key in the workspace of the Windows Desktop and select the "New - Shortcut" command. Then write the desired command line for the Movicon Startup in the settings window which appears.

## Startup Movicon in RunTime Mode

Once you have created the project it can be run directly without having to pass through the development environment. In order for this to happen you must create a link/connection, as explained above, to the Movicon Runtime Module being the "MoviconRunTime.exe" file which is found in the same Movicon installation folder. The following example is a command line for automatically running the TEST.MOVPRJ project file:

**C:\Program Files\Progea\Movicon11.2\MoviconRunTime.exe C:\Documents\Test.movprj**

You can get the same result by using the "Movicon.exe." followed by the "/R" option as already explained above.

## Movicon Startup as Service

The Windows Services are applications which are run automatically at the Windows startup, before and independently from User log on. Movicon fully supports the Windows Services as described below:

When Movicon is started up as Service, after the operating system LogOn, the user interface will not be displayed but will be shown as a Movicon icon in the Windows application bar. To open the project's user interface double click this icon.



In order to make the project's user interface open automatically after Windows user login you will have to enable the project's ["Show Service at Log On"](#) execution property.

You can install Movicon as Service in addition to the development environment by using the ["Install this Project as Windows Service"](#) command and also by means of the Windows command line using the "/i" or "-i" option. By executing the command line from the Windows "Start - Run" menu:

**MoviconService.exe -i**

Movicon will be installed as Service. You must then add the parameter, which identifies the project that the service must run, in the Windows configuration Registry. The key to be modified is:

Windows Registry Editor Version 5.00

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MOVICON X\Parameters]
"Project"="C:\Project Path\ProjectName.movprj"
```

The text above can be copied in a text file with a ".reg." extension in order to automatically create the key by double-clicking on the ".reg" file to insert key in the Windows registry. To insert the key manually you will have to go to the following parameter group:

```
"[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MOVICON X\Parameters]"
```

and create the "Project" key string type inserting the "C:\Project Path\ProjectName.movprj" value.

## "Forced" Startup in Demo Mode

Running the application with the "D" key pressed, Movicon will start up in Demo Mode. This function is used for modifying certain places in the project which have a Runtime software or hardware license only in order not to replace this licence. This function has been created for the sole purpose of modifying projects by remote control (with PCAnywhere type applications) where it is impossible to remove the license from the PC if too far away.

In addition, you can save projects when the inserted license, hardware or software, is runtime only with Movicon already started up normally. In this case you will need to keep the "D" key pressed down and execute the project save command. This will enter the application into "Demo Mode" saving the project. To escape from the "Demo Mode" you will have to close and reopen Movicon.

## Using Windows Terminal Server

Movicon supports the Windows Terminal Server (or Remote Desktop) and consents more than one program instances to be run on the server. Using Movicon with Windows Terminal Server requires a "NET" license. Normal licenses will be ignored by Movicon if run from the Windows Terminal Serve consequently running program in Demo mode. For further information please refer to ["Windows Terminal Server"](#).

## Silent Installation

Movicon can be installed without user interface (silent mode) by using the following command line:

```
path\Setup.exe /s /l1033 /v/qn
```

where:

"path" = relative or absolute path where the Movicon setup file is found (setup.exe, Movicon11.2.msi, etc.)

/s = silent mode

/l = installation language. 1033 for English (default), 1031 for German, 1036 for French, 1040 for Italian and 2052 for Chinese

/v/qn = user interface exclusion

If you wish to specify the installation directory, i.e. C:\MyDir use:

```
path\Setup.exe /s /l1033 /v"/qn INSTALLDIR=C:\MyDir"
```

If you wish to install the runtime module only, write:

```
path\Setup.exe /s /l1033 /v"/qn INSTALLDIR=C:\MyDir ADDLOCAL=MoviconRun"
```

when installing MoviconBA, the string for installing runtime only is:

```
setup.exe /s /v"/qn INSTALLDIR=c:\temp\progea\movba ADDLOCAL=BA_MoviconRun"
```

or

```
setup.exe /s /v"/qn ADDLOCAL=BA_MoviconRun"
```

This works in WindowsXP, but the UAC in Windows Vista and Windows 7 will intervene asking for administrator installation rights. In this case you can use the following command line (but a password is needed):

```
runas /user:administrator "c:\temp\setup\setup.exe /s /l1040 /v"/qn INSTALLDIR=C:\MyDir ADDLOCAL=MoviconRun\""
```

Considering that:

- 1) the complete path where setup.exe file is found is required
- 2) all that follows after the user name must be written between double quotation marks. Since the topic of the command line contains double quotation marks, the " character must be replaced with \".



This procedure works only if the user is a built-in pc administrator (user = administrator) and the UAC will intervene for other Administrator level users as explained in the microsoft document:

<http://msdn.microsoft.com/en-us/library/aa511445.aspx>

For other cases you will need to disable the UAC in order to carry out the installation procedure.



[FAQ, Examples and BugBase on-line](#)

