



Installation Guide

MagiCAD 2016.4 for Revit

GENERAL

SYSTEM REQUIREMENTS

MagiCAD for Revit version 2016.4 runs on

- 64-bit version of Autodesk Revit MEP 2017
- 64-bit version of Autodesk Revit MEP 2016
- 64-bit versions of Autodesk Building Design Suite Premium or Ultimate 2017
- 64-bit versions of Autodesk Building Design Suite Premium or Ultimate 2016

SETUP ARCHITECTURE

This chapter describes MagiCAD installation on a single workstation. In larger corporate networks also silent installations may be performed; in that case, see chapter “Installing MagiCAD on multiple workstations” and contact MagiCAD technical support if necessary.

Administrator privileges are required when running MagiCAD Setup.

The installer contains the following applications:

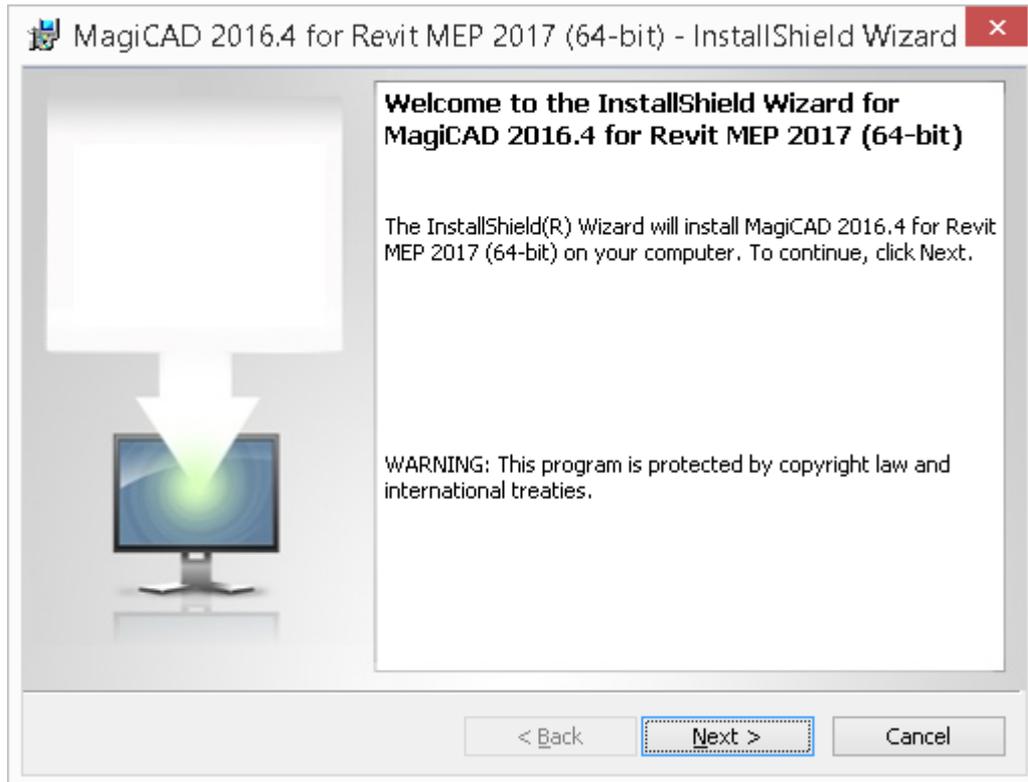
- MagiCAD for Revit
- License Management Utility
- Check for Updates
- MagiCAD Plugin Manager
- Supports & Hangers plug-in

INSTALLING MAGICAD ON A SINGLE WORKSTATION

This chapter describes MagiCAD installation on a single workstation. In larger corporate networks also silent installations may be performed; in that case, see chapter “Installing MagiCAD on multiple workstations” and contact MagiCAD technical support if necessary.

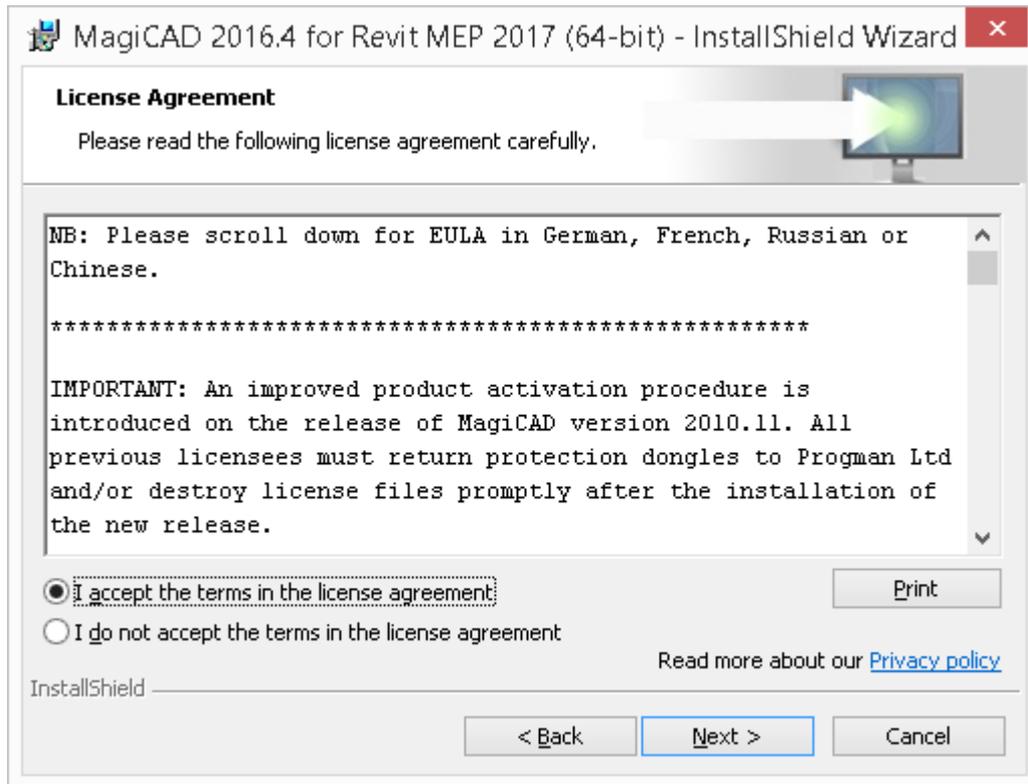
Administrator privileges are required when running MagiCAD Setup.

Run the .msi setup package and follow the instructions.

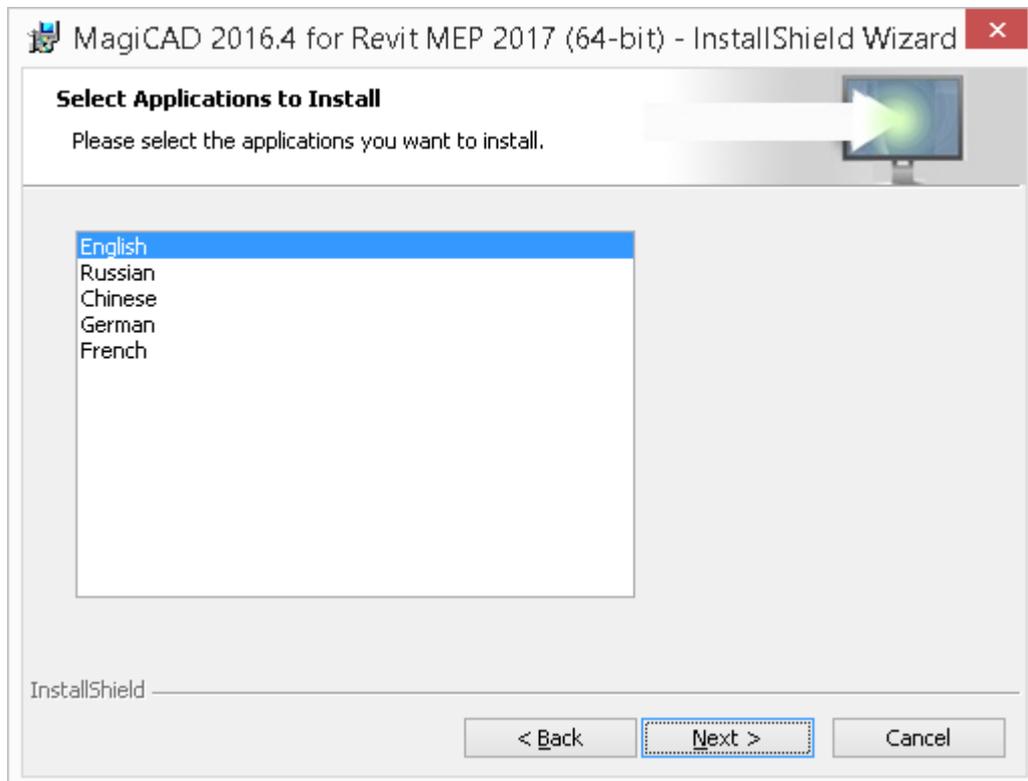


Click **Next**.

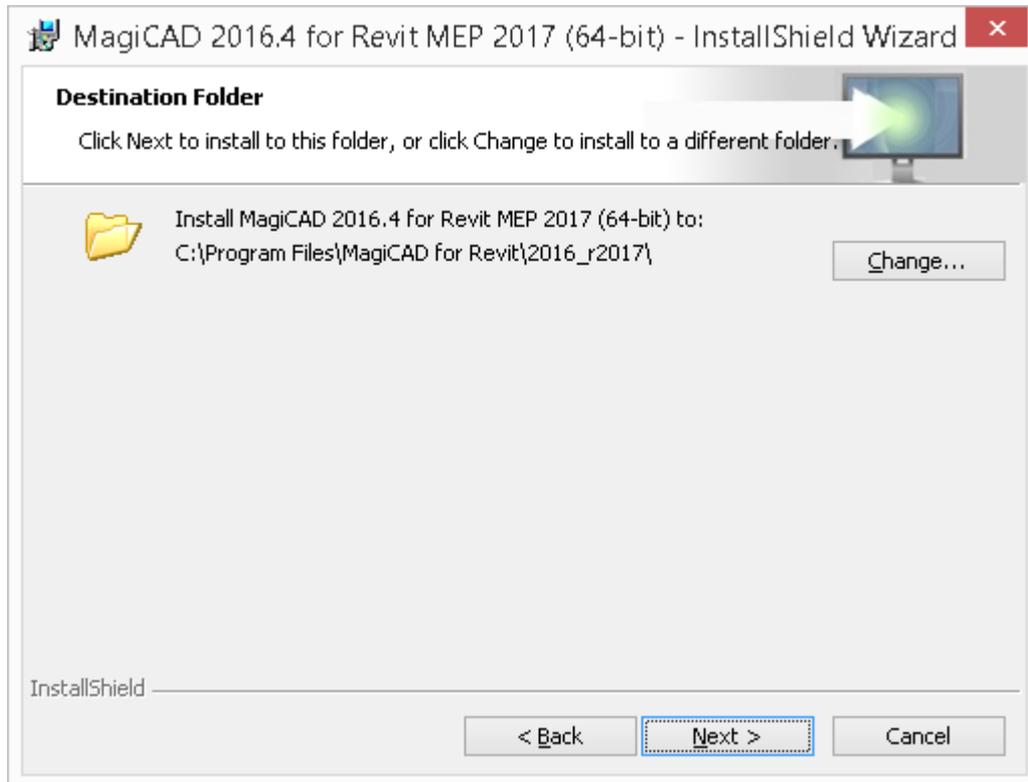
You need to accept the license agreement if you want to continue with setup.



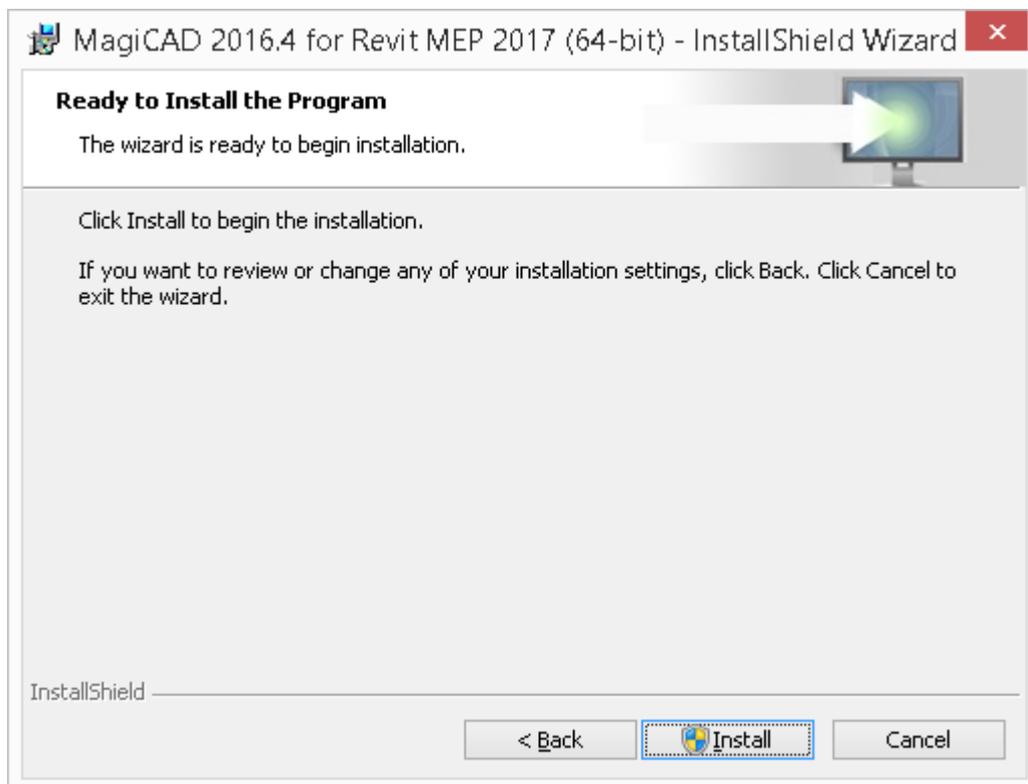
Next, select the user interface language.

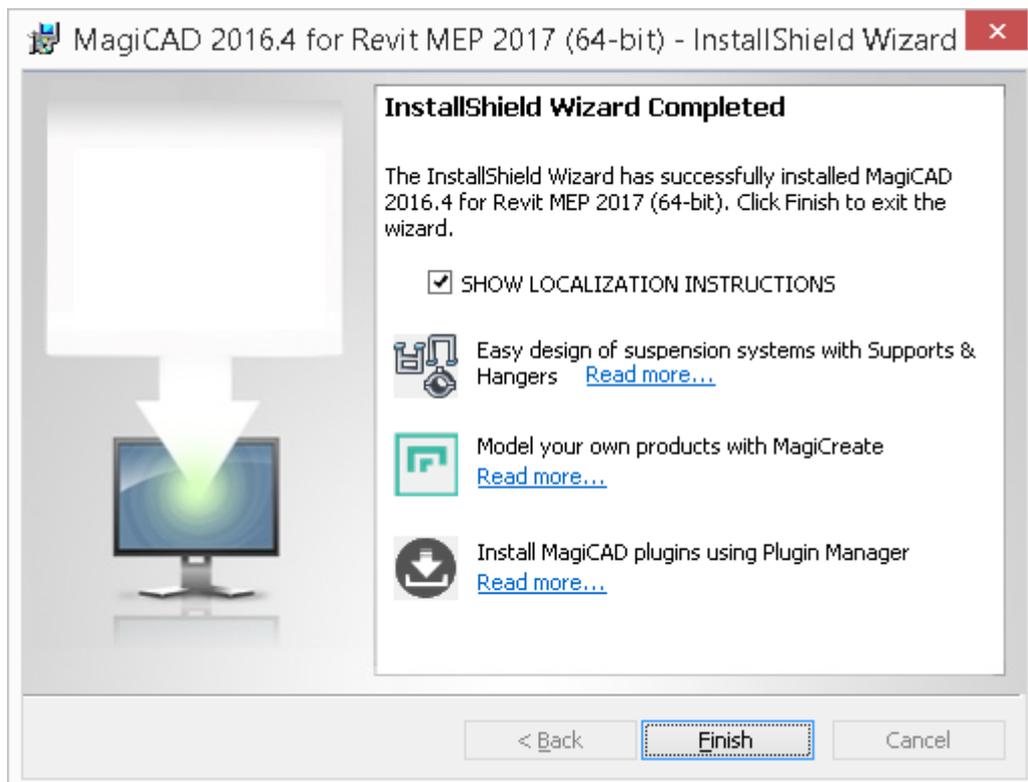
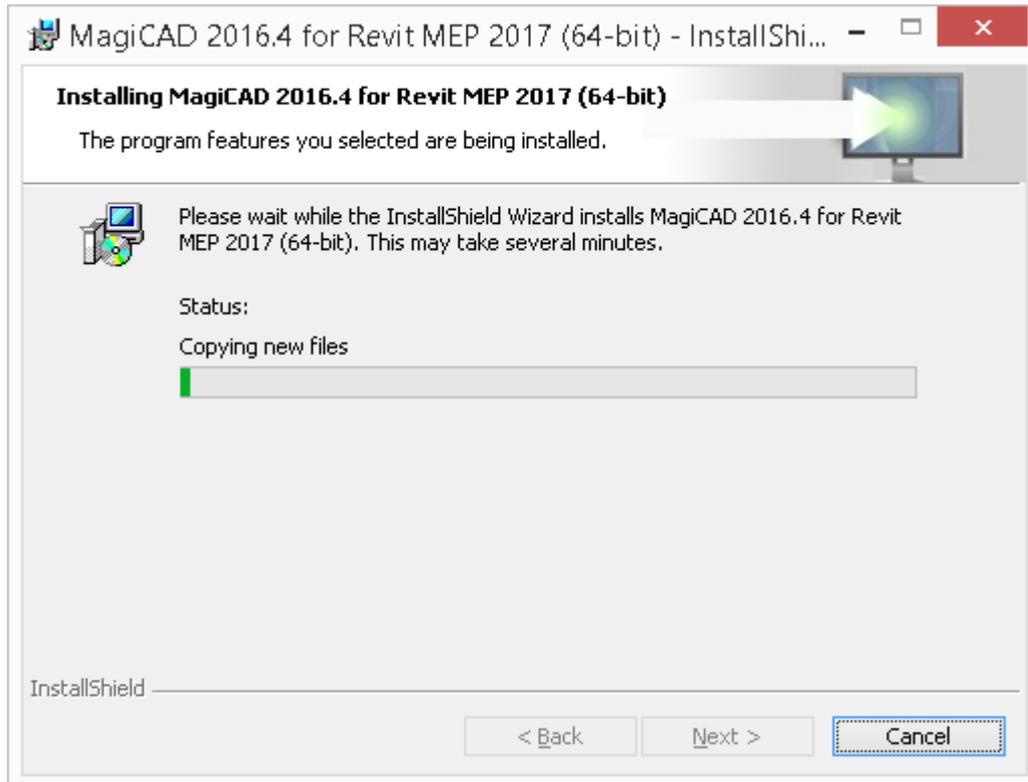


Select the destination folder. If you want to change the destination folder, click **Change** and select the new folder. Click **Next** to continue.



Click **Install** to continue. Setup starts copying the files and making the necessary settings.





Click **Finish** to complete the setup.

When setup is complete, please check that the program license is available. Follow the instructions of license usage and activation in the next chapter (Licensing)

LICENSING

MagiCAD can be used with two types of licenses:

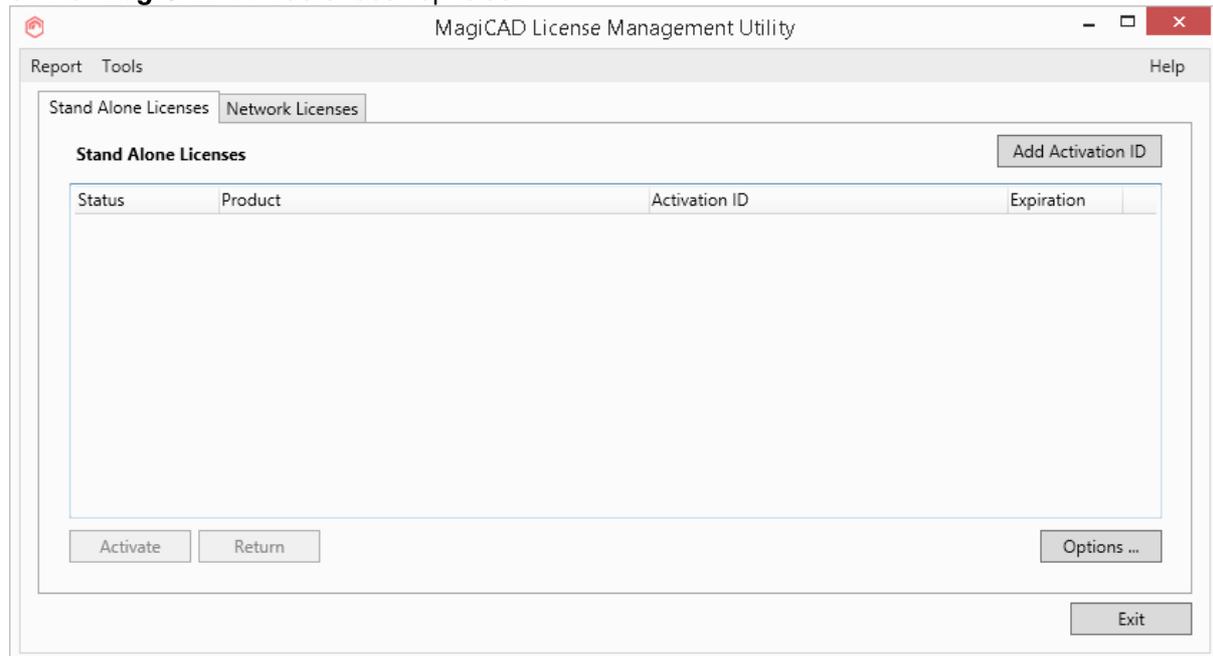
Stand-alone licenses, which are activated to the workstation. Internet connection is required when the licenses are activated, but the program can be used while disconnected from the network if the licenses are activated.

Network licenses, which are stored on a network server.

If your company's IT administrator has enabled license borrowing, you can borrow the application licenses to be used while disconnected from the network.

Setting up a network license server is described in a separate document.

Both license types are managed with the license management utility. The utilities shortcut can be found on the "**MagiCAD >> Tools**" desktop folder.



If you have an earlier version of a MagiCAD license (2015.11 SR-1 or older) activated on your computer, you need to return the old license before you can activate the new license.

Select the product and click the *Return* button.

PROGRAM DIRECTORY STRUCTURE

The program executables are mainly installed to the directory that is selected in the setup program.

EXECUTABLE FILES

Files of MagiCAD Supports & Hangers plugin are installed under either of the following directories, depending on Revit platform:

C:\Program Files\Progman Oy\MagiCAD Supports & Hangers\r2017

C:\Program Files\Progman Oy\MagiCAD Supports & Hangers\r2016

The utilities that are common with MagiCAD for AutoCAD are installed in the following directories:

C:\Program Files\Common Files\MagiCAD Common\Check for Updates

C:\Program Files\Common Files\MagiCAD Common\License Management Utility

FILES THAT CAN BE MODIFIED AT RUNTIME

By default, the location of the user-modifiable files is in the “local application folder”. It is, however, possible to affect the search path of these files when the software is installed as silent setup (see chapter “Utilizing MSI properties”).

The default location is either of the following, depending on Revit platform:

C:\ProgramData\MagiCAD-RS\2016_r2017

C:\ProgramData\MagiCAD-RS\2016_r2016

Subdirectory	Contents
Documentation	User’s Guide and “Read me first”
Mrv	Datasets
Annotations	Text tags
Templates	Templates for MagiCAD for Revit

Please do not modify the contents of other subdirectories, nor file `magiParameters.txt`.

Data files of MagiCAD Supports & Hangers plugin are installed under either of the following directories, depending on Revit platform:

C:\ProgramData\Progman Oy\MagiCAD Supports & Hangers\r2017

C:\ProgramData\Progman Oy\MagiCAD Supports & Hangers\r2016

STARTING THE PROGRAM

The program will load automatically when you start Revit. The default template to be used with MagiCAD for Revit will also be loaded automatically.

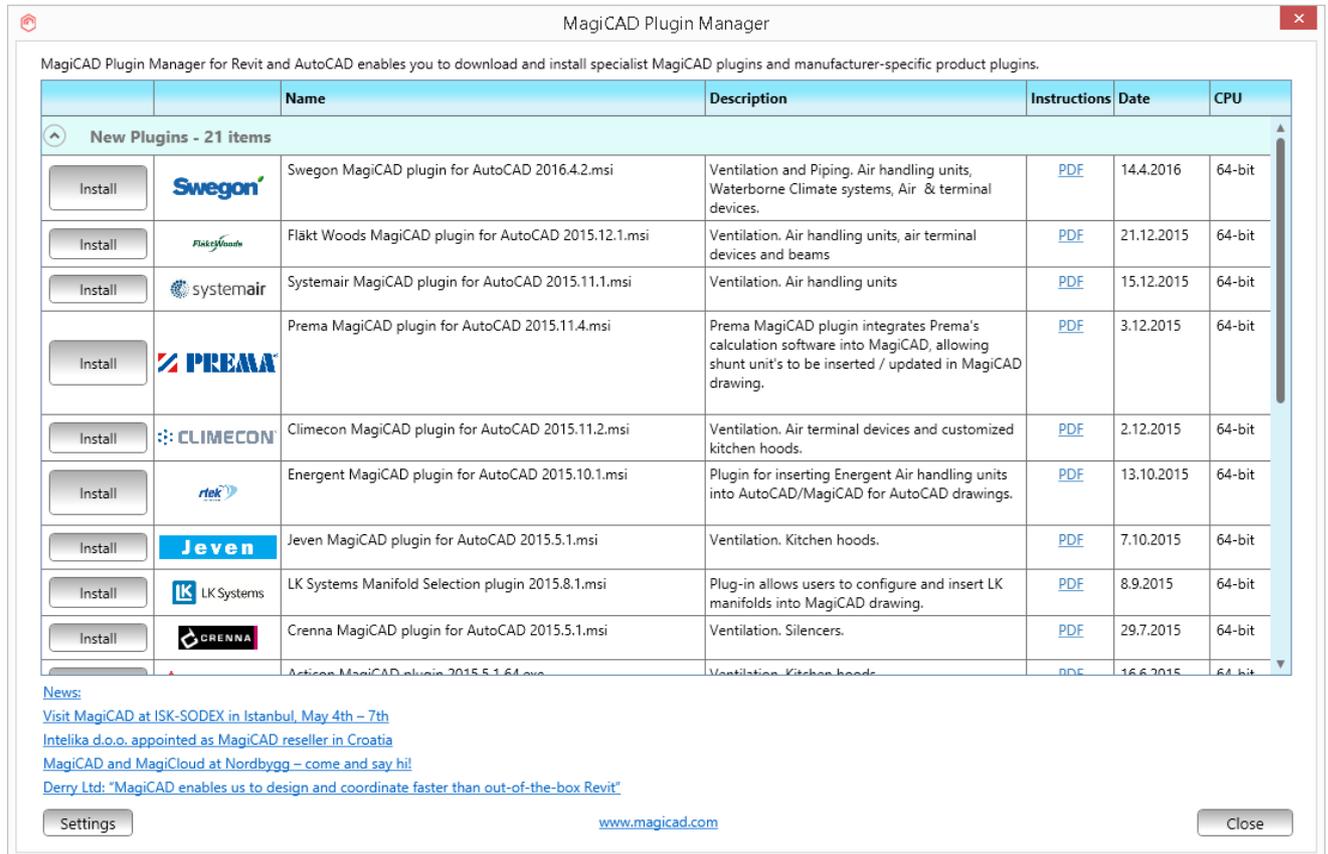
The "MagiCAD for Revit" folder does not include a shortcut icon for starting the program. Start Revit normally from its shortcut.

MagiCAD commands are found under "MagiCAD Common", "MagiCAD Ventilation", "MagiCAD Piping", and "MagiCAD Electrical" ribbon tabs.

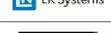
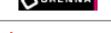
MagiCAD Plugin Manager and *MagiCAD Supports & Hangers* are also loaded when you start Revit.

MAGICAD PLUGIN MANAGER

When you start the program for the first time, *MagiCAD Plugin Manager* window opens and you can install third-party plugins to complement your software. You can also start the plugin manager later from the program's ribbons.



MagiCAD Plugin Manager for Revit and AutoCAD enables you to download and install specialist MagiCAD plugins and manufacturer-specific product plugins.

		Name	Description	Instructions	Date	CPU
New Plugins - 21 items						
Install		Swegon MagiCAD plugin for AutoCAD 2016.4.2.msi	Ventilation and Piping. Air handling units, Waterborne Climate systems, Air & terminal devices.	PDF	14.4.2016	64-bit
Install		Fläkt Woods MagiCAD plugin for AutoCAD 2015.12.1.msi	Ventilation. Air handling units, air terminal devices and beams	PDF	21.12.2015	64-bit
Install		Systemair MagiCAD plugin for AutoCAD 2015.11.1.msi	Ventilation. Air handling units	PDF	15.12.2015	64-bit
Install		Prema MagiCAD plugin for AutoCAD 2015.11.4.msi	Prema MagiCAD plugin integrates Prema's calculation software into MagiCAD, allowing shunt unit's to be inserted / updated in MagiCAD drawing.	PDF	3.12.2015	64-bit
Install		Climecon MagiCAD plugin for AutoCAD 2015.11.2.msi	Ventilation. Air terminal devices and customized kitchen hoods.	PDF	2.12.2015	64-bit
Install		Energent MagiCAD plugin for AutoCAD 2015.10.1.msi	Plugin for inserting Energent Air handling units into AutoCAD/MagiCAD for AutoCAD drawings.	PDF	13.10.2015	64-bit
Install		Jeven MagiCAD plugin for AutoCAD 2015.5.1.msi	Ventilation. Kitchen hoods.	PDF	7.10.2015	64-bit
Install		LK Systems Manifold Selection plugin 2015.8.1.msi	Plug-in allows users to configure and insert LK manifolds into MagiCAD drawing.	PDF	8.9.2015	64-bit
Install		Crenna MagiCAD plugin for AutoCAD 2015.5.1.msi	Ventilation. Silencers.	PDF	29.7.2015	64-bit
Install		Artison MagiCAD plugin 2015.5.1.64.exe	Ventilation. Kitchen hoods.	PDF	16.6.2015	64-bit

News:
[Visit MagiCAD at ISK-SODEX in Istanbul, May 4th – 7th](#)
[Intelika d.o.o. appointed as MagiCAD reseller in Croatia](#)
[MagiCAD and MagiCloud at Nordbygg – come and say hi!](#)
[Derry Ltd: "MagiCAD enables us to design and coordinate faster than out-of-the-box Revit"](#)

Settings www.magicad.com Close

CHECKING FOR UPDATES

You need an open internet connection to be able to use this function.

When you click the **Check for Updates** function button in the MagiCAD Common ribbon, a utility displaying the possible updates starts.

Check for Updates 2016.4

MagiCAD for AutoCAD
MagiCAD for Revit

Update product databases
 Location: C:\ProgramData\MagiCAD-RS\2016_r2016\Products ...

Install		Name	Description	Installed	Available	Don't ask
<input type="checkbox"/>		Feilo_Sylvania_16a.qpd	Electrical	<new>	2016.04.15	<input type="checkbox"/>
<input type="checkbox"/>		Climecon_16b.qpd	Ventilation	<new>	2016.04.14	<input type="checkbox"/>
<input type="checkbox"/>		Generic_16c.qpd	Electrical, Heating and Pipina, Ventilation	<replacement>	2016.04.12	<input type="checkbox"/>

Update symbols
 Location: C:\ProgramData\MagiCAD-RS\2016_r2016\2Dsymbols ...

Install	Name	Description	Installed	Available	Don't ask
<i>Symbols are up to date</i>					

Download localizations
 Location: C:\ProgramData\MagiCAD-RS\2016_r2016\2Dsymbols ...

Download		Name	Description	Date	Size	CPU
<input type="button" value="Download"/>		Chinese files (MagiCAD 2015.11 for Revit)	Setup package for Chinese localization	2016.01.05	162518622	All
<input type="button" value="Download"/>		Norwegian Files (MagiCAD 2015.11 for Revit)	Setup package for Norwegian localization	2015.12.23	112216039	All
<input type="button" value="Download"/>		Danish Files (MagiCAD 2015.11 for Revit)	Setup package for Danish localization	2015.12.03	118515631	All

Download MagiCAD updates
 Location: C:\ProgramData\MagiCAD-RS\2016_r2016\2Dsymbols ...

Download		Name	Description	Date	Size	CPU
<input type="button" value="Download"/>		MagiCAD 2015.11 UR-1 for RME2015 CFU Update	Product Version: 16.03.0004	2016.04.12	34078856	64-bit
<input type="button" value="Download"/>		MagiCAD 2015.11 UR-1 for RME2016 CFU Update	Product Version: 16.03.0004	2016.04.12	34077238	64-bit

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INSTALLING MAGICAD ON MULTIPLE WORKSTATIONS

UTILIZING MSI PROPERTIES

MagiCAD setup is carried out with Windows Installer technology. Installation can be customised with the help of certain MSI properties, which reduces the amount of work when a large number of workstations are configured.

The properties can be affected e.g. with scripts or transforms.

If the program is installed with silent setup, it is possible to affect two directory settings. If the MSI property is not specified, default value is used.

Property	Purpose	Default value
INSTALLDIR	The directory where the program executables are installed.	C:\Program Files\MagiCAD for Revit\2016_r2017 Note: this may vary depending on the language of the operating system and the program version
DIR_LOCALDATA	The directory where the user-modifiable files are located	C:\ProgramData\MagiCAD for Revit\2016_r2017 Note: this may vary depending on the language of the operating system and the program version
UI_LANGUAGE	User interface language of the program. 1512=English 1513=German 1515=French 1528=Russian 1539=Chinese	1512
LICENSE_SERVER	Server(s) containing network licenses given as <code>port@host</code> format. Multiple servers are separated with a semicolon.	

Note that the DIR_LOCALDATA property affects only the search path that is written to the program's registry. The directory specification is provided in case you want the program to search the files from a different directory (e.g. a shared network directory).

The setup program still copies the files to the default directory on the workstation.

SAMPLE INSTALLATION BATCH FILES

```
msiexec /i "MagiCAD 2016.4 for Revit MEP 2017 (64-bit).msi" /qb  
INSTALLDIR="C:\MC_Revit_201604_r2017" DIR_LOCALDATA="X:\MC_Revit_LocalData"
```

This sample batch installs the 64-bit Revit 2017 compatible version to directory C:\MC_Revit_201604_r2017 and writes the registry so that the data files are read/written in directory X:\MC_Revit_LocalData.
The user interface language is English (default language) and the license server is not specified.

```
msiexec /i " MagiCAD 2016.4 for Revit MEP 2016 (64-bit).msi" /qb  
UI_LANGUAGE=1539 LICENSE_SERVER="@server1"
```

This sample batch installs the 64-bit Revit 2016 compatible version of MagiCAD to the default directory. User interface language is selected to be Chinese, and the program uses network licenses that are located in *server1* (no port number specified). Default paths are used.