



Epec SDK

Installation Guide

DOCUMENT VERSION HISTORY

Version	Date	Author	Description
2.9	2.5.2018	LVe SRi	Document updated

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1 INTRODUCTION & REQUIREMENTS

Epec's Software Development Kit (SDK) installs MultiTool, targets, device descriptions, fonts, documents, Gateway DLLs and libraries.



Using the installer requires **administrator user rights**; please contact your local IT support for help.



Before running the full installation, check that CODESYS 2.3 and/or correct CODESYS 3.5 version is installed to your computer.



Epec MultiTool requires .NET framework version 4.5 or newer to work.

SDK version	Codesys 2.3	Codesys 3.5	Windows
2.9	minimum 2.3.9.36	3.5 SP6 and 3.5 SP10	Windows 7 (32/64bit) Windows 8 (64bit) Windows 10 (64bit)

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2 INSTALLED COMPONENTS

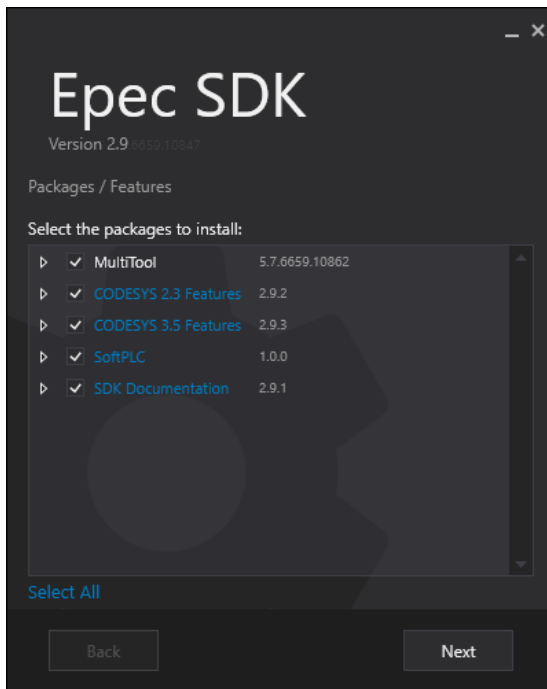
The main installed software components are described in the following table (each of the main installed components can contain several files):

Component name	Default installation path	Comments
MultiTool	%Program Files%\Epec\Multitool_X.X or %Program Files%\Epec\Multitool_X.X (64bit)	Installation for Epec MultiTool program.
PLCopen libraries (CODESYS 2.3)	Files are copied to %Program Files%\Epec\Libraries	Installation for PLCopen libraries provided by Epec.
Target files (CODESYS 2.3)	%CODESYS INSTALLATION FOLDER%\Targets\Epec\	All targets are installed into own folders under folder Epec.
PLCopen libraries (CODESYS 3.5)	Local copy from files is located in %Program Files%\Epec\ComponentsV3\DeviceDescriptionFiles, but they are installed also to CODESYS 3.5 repository.	PLCopen libraries for CODESYS 3.5
Device description files (CODESYS 3.5)	Local copy from files is located in %Program Files%\Epec\ComponentsV3\Libraries, but they are installed also to CODESYS 3.5 repository.	Device description files for CODESYS 3.5
Fonts (CODESYS 3.5)	Only copied to %Program Files%\Epec\ComponentsV3\Fonts	EPEC provided fonts for CODESYS 3.5 visualisation projects.
Online help (CODESYS 3.5)	Local copy from files is located in %Program Files%\Epec\ComponentsV3\, but also copied to the CODESYS 3.5 online help system..	EPEC programming manual.
Gateway DLLs	Copied to the windows system folder C:\Windows\SysWOW64 or C:\Windows\System32	
SoftPLC support Epec i10	%CODESYS INSTALLATION FOLDER%\CoDeSys SP PLCWinNT	DLL files for EPC-i10. This installation is needed if you want to run Epec i10 in development computer instead of running it in actual target PC.
Documentation	%Program Files%\Epec\SDKDocumentation	Documentation about SDK's component versions.

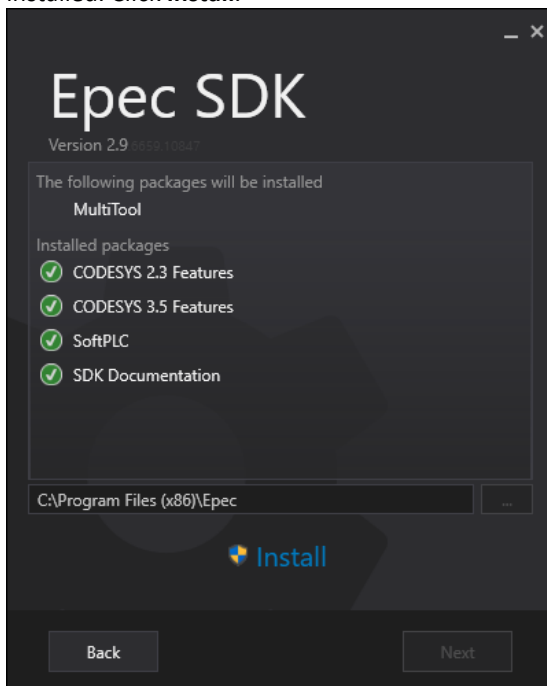
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3 TO INSTALL THE SDK

1. Run the executable file by double-clicking the provided EXE file. Normally, the name of the file is *EPEC_SDK_X_X_X.exe*.
2. Select the components to be installed by checking or unchecking the boxes. By default, all components are installed. After selection, click **Next**.

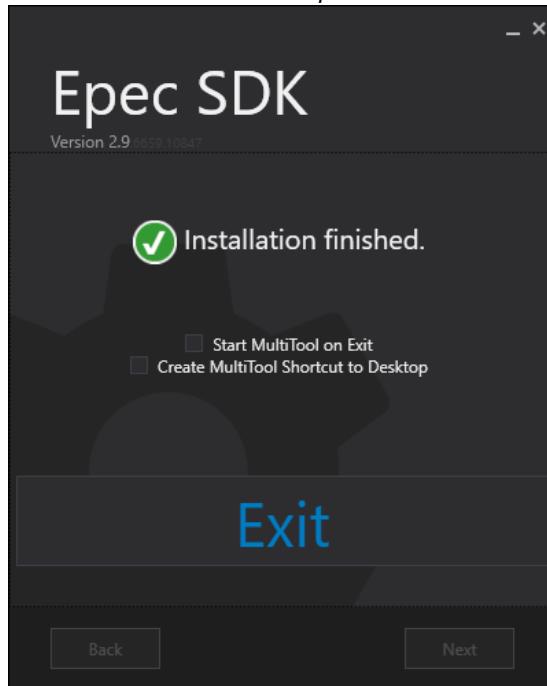


3. The installation window shows which packages will be installed and which packages are already installed. Click **Install**.



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4. Successful installation is shown in the following window. *Start MultiTool on Exit* and *Create MultiTool Shortcut to Desktop* can be selected. Installation is complete. Click **Exit**.



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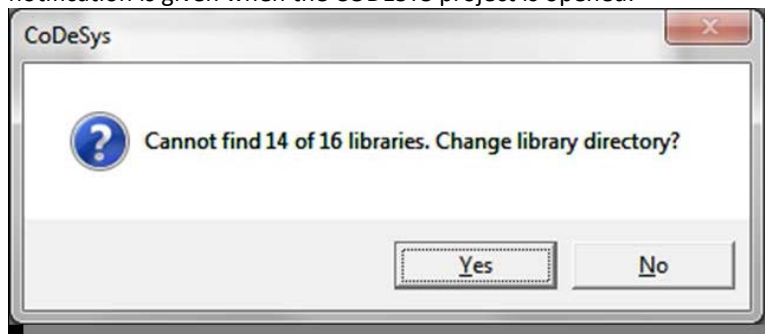
4 ISSUES WITH SDK INSTALLATION

4.1 New targets with old projects

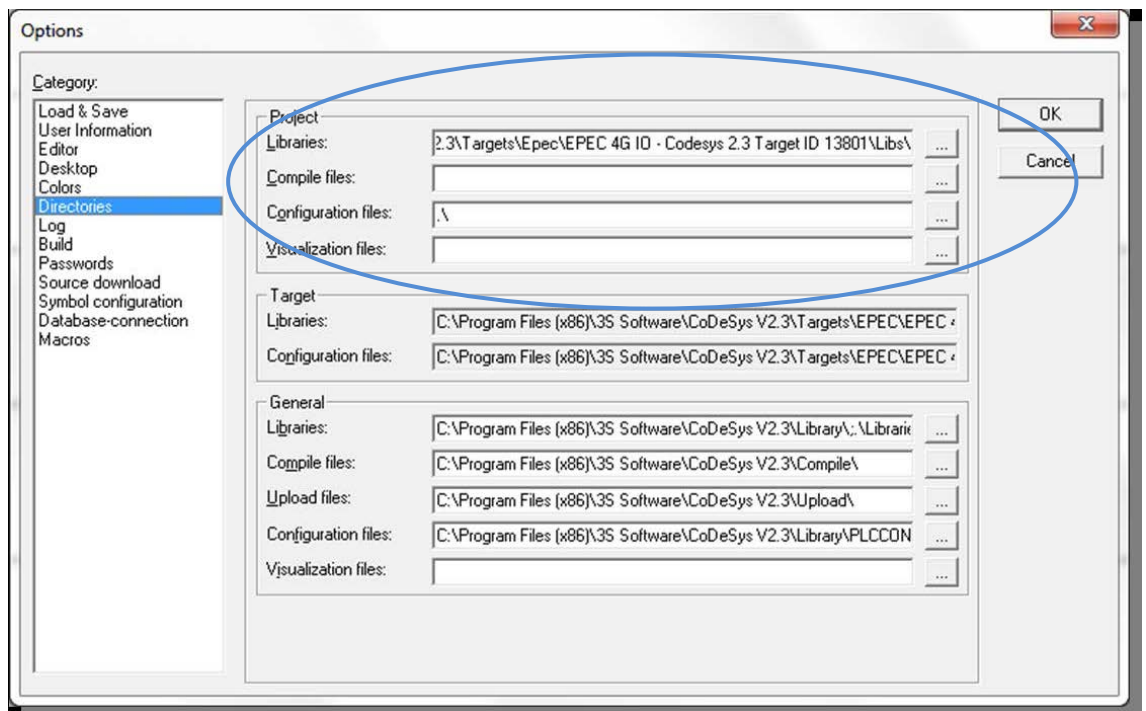
CODESYS projects that are made with MultiTool version 2.1 or older will need a change in CODESYS' project options.

To update the project options correctly:

1. Open the CODESYS project. Since the target library folder has been changed, the following notification is given when the CODESYS project is opened:



2. Click **Yes**. CODESYS Options dialog opens.
3. In CODESYS Options dialog, update the directory path for libraries in **Directories > Project Libraries**. The EpecSDK target installation includes the libraries that are used with MultiTool 2.1 or older. The libraries are copied to CoDeSys V2.3 Target folder
%Program Files%\3S Software\CoDeSys V2.3\Targets\Epec\EPEC 4G IO - Codesys 2.3 Target ID 13801\Lib



4. Click **OK** to save the changes.
5. Build the project (CODESYS **Project > Build**)

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