



A step by step guide:

Connect VLXE Blend to the databases

HOW TO

- 1
- 2
- 3

Table of Content

Page: Content:

- 2** Introduction
- 3** How does VLXE Blend use the databases?
- 3** What happens when I install VLXE?
- 4** How to I change or check the connection string?

Page: Content:

- 5** How do I connect to the DIPPR database file?
- 5** FAQ
 - Unable to open the physical file
 - How do I see what databases are in use?
- 6** How to get support?

Introduction

When a calculation is performed the parameters are taken from the project sheet. However the parameters in the project sheet are taken from the VLXE Blend Database and the DIPPR database when creating the project sheet. Basic parameters like molar mass are taken from the DIPPR database while the rest like PC-SAFT parameters are taken from the VLXE Blend database.

The format used by the VLXE Blend Database is SQL Server from Microsoft. Any version can be used and it can be local or remote. This is determined by the connection string that tells VLXE Blend where to find the database.

In order for VLXE Blend to find the databases the connection string has to be correct. This is done automatic when installing.

This document is provided to help user's change the database settings plus troubleshoot database connection problems.

How does VLXE Blend use the databases

VLXE Blend can work with two versions of the VLXE parameter database:

- Local
- Company Wide

Company wide is used by larger companies where a company database is maintained globally. This allows all users of VLXE Blend to share the same parameter source.

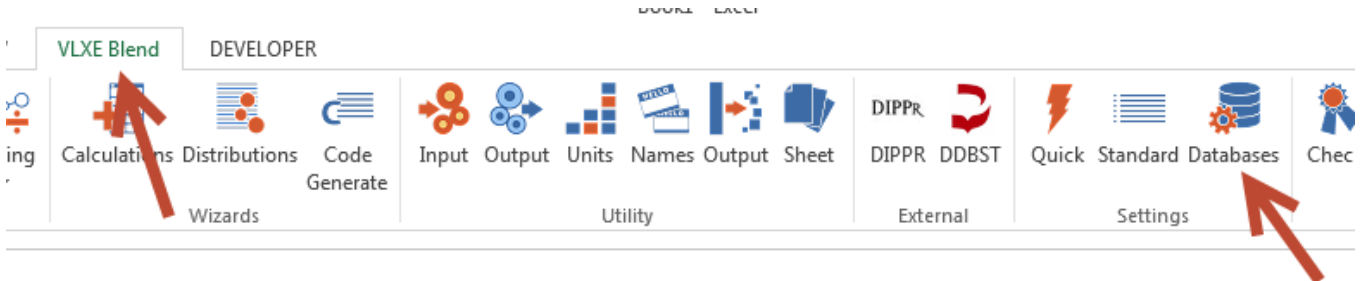
Local is a single user database. The user can switch between databases using the Quick Settings menu. The DIPPR 801 database is provided by DIPPR and only the path to the file has to be given.

What happens when I install VLXE Blend?

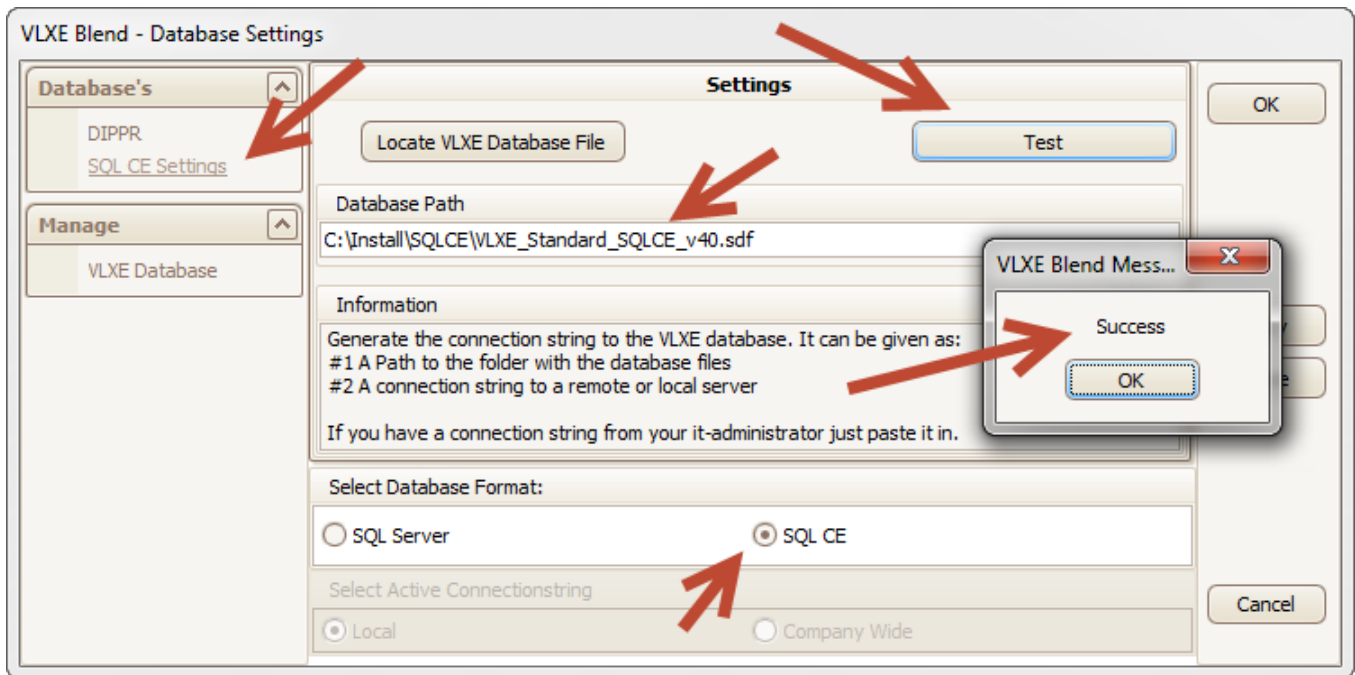
During the installation of VLXE Blend no SQL Server version is installed. The installation package will by default use SQL Server Compact that runs local. This can easily be changed after installation using the provided tools found under settings on the VLXE Blend ribbon in Excel.

How do I change or check the connection string?

Open Excel and select the menu VLXE Blend/Settings/Databases:



The new window allows you to check and change the settings for the databases used. In the example below the connection string given for the standard connection called VLXE is tested



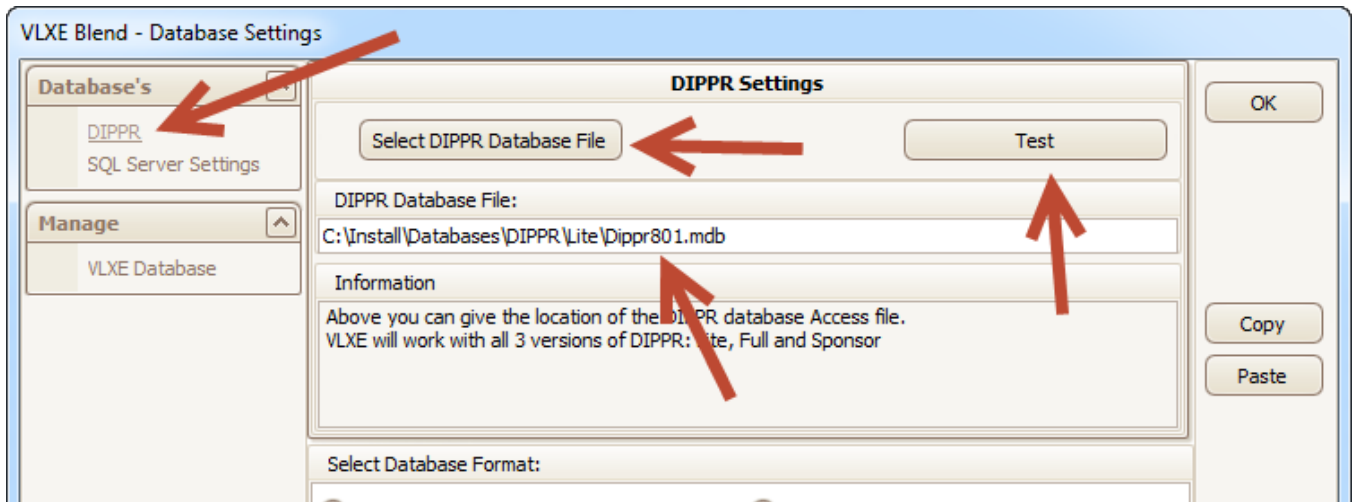
If the connection does not work the connection string can be edited manual or the build-in tool can be used. Select "Locate VLXE Blend database File" to open the window.

How do I connect to the DIPPR database file?

The DIPPR database is provided by DIPPR. The version used is DIPPR Project 801. In order to use it only the path to the database file has to be given.

It is done by opening Excel. Select VLXE Blend/Settings/Database:

In the new windows select DIPPR on the left side and then "Select DIPPR database file" in order to select the file. When done select "Test" to check the connection is in order.



FAQ

Unable to open the physical file...

I get this error message when I try to connect to the VLXE Blend Database: "Unable to open the physical file "...\VLXE_Parameters.mdf". Operating system error 5: "5(Access is denied.)". An attempt to attach an auto-named database for file ...VLXE_Parameters.mdf failed. A database with the same name exists, or specified file cannot be opened, or it is located on UNC share."

#1 Make a copy of the VLXE Databases in a new folder. Now change the connection string to reflect this and try again

#2 Change the name of the database attached by appending: Database=VLXE12; to the connection string.

How do I see what databases are in use?

By installing the free tool: SQL Server Management 2012 from Microsoft, the link is: <http://www.microsoft.com/en-us/download/details.aspx?id=29062>

Note that it has to be the 2012 version if you are using SQLLocalDB, older version will not work with SQLLocalDB. Start the program and type: (localdb)\v11.0 as server name:

Now expand the database node on the left side to see what databases are attached:

