

Appendix D :

Instructions for the update procedure from Release 3 to Release 4

D.1 General

D.1.1 Update of the Firebird SQL Server to Version 2.1 (this step is not necessary if you are using a MS SQL database server)

When you update to a new release of **QMSOFT®**-system (especially the gauge management module QM-MANAG) an update of the logical database structure is necessary.

Only if the Firebird-SQL database server is used, at first this software has to be up to date.

- ⇒ *Both updates are made not automatically, so that a targeted intervention by the administrator is required.*
- ⇒ *Please note, that before the update installation should be executed you have created a backup of your database and of the **QMSOFT®**-installation to be hedged for problems!*
- ⇒ *The currently required Firebird version is "2.1". If an older Firebird version is in use, it must be mandatory to be updated! The Firebird version number can be determined by using the Windows control center: start the "Firebird Server Manager", which is providing you the version number.*
- ⇒ *Verify that the Firebird-SQL-server is used exclusively with **QMSOFT®**. Otherwise the update may be also influence a third-party software outside of the **QMSOFT®**-system. Please contact in case of doubt the manufacturer of the third-party software for compatibility issues to be clarified in advance!*

In the case, that users have created self-defined inspection positions and/or factory tolerances for caliper inspection (module QM-CALIP), the conversion of this data into to release 4 has to be done (see section D.3).

The following sections describe each of the individual update steps with further instructions. Please contact in case of doubt your IT department, which can give technical assistance.

D.1.2 Installation of CodeMeter-Stick (USB key for software protection)

With the **QMSOFT®** Rel.4.0 the software protection will now be realised by the usage of a so called CodeMeter Stick (it is the product name of the manufacturer WiBu). The up to now used hardware (Hardlock, HL-Server) can not be used with the new software version.

A CodeMeter Stick can generally be used as a network dongle. That means that you can always use the same hardware nondependent if you are working with a stand-alone PC only or in a network environment with several computers are using the **QMSOFT®** software.

To make the installation of the CodeMeter Stick please see the sections I.3, I.4.2 and (if you need the activation for a network environment) the section I.5.1 of the user manual.

D.2 Steps for database update

Please do you work out all steps, which are described in the following sections, in sequence and in the specified order, otherwise a proper function of the database-related parts of the **QMSOFT®**-software is not guaranteed.

- ⇒ *In the case, that your actual **QMSOFT®**-installation is used with a Microsoft-SQL-server, you can skip all Backup-/Restore-steps and also the updating of the Firebird-SQL-server.*
- ⇒ *The update of the Firebird-SQL-server has to be executed on the central server computer, which is used as the database server, and also on all local computers, which are using either the Firebird-Backup-/Restore-feature or which should be used for the database structure update.*
- ⇒ *If you are not sure, which database server is actually connected (SQL-server type, server computer), you can get this information with the help of **QMSOFT®** database configuration tool "**Configurator32**". You find it under the menu item "Settings | Configure database connection".*

D.2.1 Stop the Firebird-SQL-server

To update the Firebird-SQL-server, it must be previously be "stopped". Please do the following steps:

- Open the Windows control peneel on this computer, where the Firebird-SQL-server is running as a database server for **QMSOFT®**,
- Start the „Firebird Server Manager“,



Figure: Firebird Server Manager

- Click onto the „Stop“-button inside of the main window of the „Firebird Server Manager“ to end the SQL-server-process, the label of the button should be changed after a short time to „Start“.
- Exit the „Firebird Server Manager“ y clicking the „OK“-button.

D.2.2 Remove the existings Firebird-installation

To de-install the old Firebird-SQL-servers (from the local computer, from the server) also the Windows control paneel is used. Click onto the „Software“-icon. After a short time a list of all of the installed software appears. Search for the Firebird-item in this list, and click onto the item, so it will appear as “marked”.

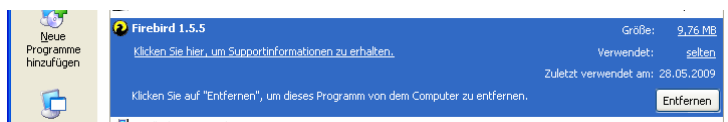


Figure: Remove the Firebird-installation

By clicking onto the „Remove“-button the de-installation procedure will be started. Follow the dialogue. After a confirmation message about a successfully ending of the de-installation process you should remove manually an already existing folder “C:\Program files\Firebird”.

D.2.3 Install the actual Firebird-version (only for the server-computer)

On the computer, which is used as a SQL-server, the Firebird-SQL-server has to be re-installed. Insert the **QMSOFT®**-CD-ROM into the drive and wait fort he autostart, which brings the **QMSOFT®** installation program on the screen- Click onto the button „SQL-Server (Firebird)“. Follow the installation dialogue and take over all of the defaults.

⇒ *You can check the successful installation and startup process of the Firebird SQL server by starting again the "Firebird Server Manager" in the Windows control panel (see the corresponding status message).*

D.2.4 Install the QMSOFT®-Update (only for local workstation-computers)

On the local workstation-computer the **QMSOFT®**-update-installation follows, which is executed as a normal programm installation.

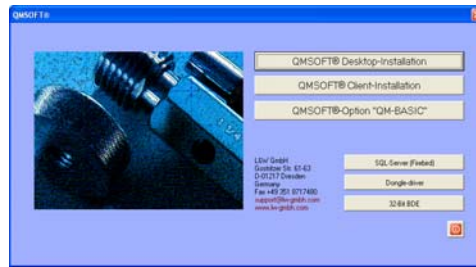


Figure: Start-screen of the **QMSOFT®**-CD-ROM

- ⇒ Select "QMSOFT® Desktop Installation", if the local computer is used for the Firebird-Backup-/Restore-features or for updating the database structure under Firebird.
- ⇒ Select „QMSOFT® Client-Installation“, if the Firebird-SQL-server should NOT be used on the local workstation-computer (when using Microsoft SQL Server or when the Firebird-backup-/restore-features are not needed on the local computer).

A description of the **QMSOFT®** installation procedure you can find in Chapter I of this manual. The dialogues are self-explaining, please follow them and use all of the preset defaults.

D.2.5 Updating the QMSOFT®-system-database

The system **QMSOFT®** is using a so-called system-database, where the user login data, the mandatory informations will be stored, and which has to be re-structurized one time. Please do the following steps:

- start **QMSOFT®**/GaugeMan, login with system-manager privileg (origin login defaults are: „system“ for username and password),
- click in the area „Database“ onto the icon of the database configuration tool („Configurator32“),

If the Firebird-SQL-server was re-installed before, please execute the next four steps, otherwise skip these.

⇒ **Using a Microsoft SQL server you can proceed the first step with answering "Yes". In this case after updating the "System" database you have to continue with point D.2.6.**

- please **ABORT** the appearing error message (a version-conflict is indicated) with a click onto the „No“-button!

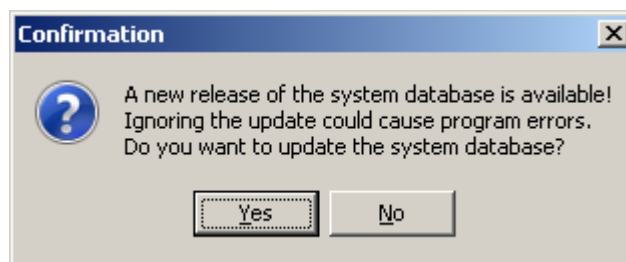


Figure: Version-conflict

- execute then menu item „Database management | Backup the SYSTEM database“, keep in your mind the name and the location of the backup-file,
- execute then menu item „Database management | Restore the SYSTEM database“, use the same backup-file as before,
- exit the Configurator32 program and re-start it again.

The appearing error message with the indication of a version-conflict you should confirm with „Yes“, which is initiating the update process for the database structure. If the process is finished, a message window . will you inform about this.

D.2.6 Updating the QMSOFT® gauge stock database(s)

Also all of the gauge stock databases have to be re-structured one time (initiated from one of the workstation-computers). Please do the following steps:

- start the program „Configurator32“, if it is already not running,
- select the menu item „Database management | Databases“, an overview of all created databases will appear (the default is only one database „QMSOFT32_DB“).

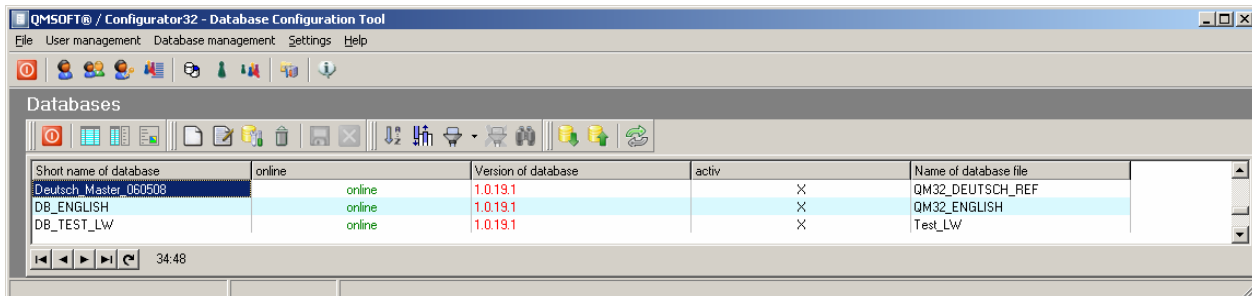


Figure: Database management

Please execute the following four Steps for **EACH** of the database items of the overview, if the database version number is marked with a red colour:

- select the database by a mouse click onto the item of the overview,
- only for Firebird-SQL-server: create a database backup file by clicking onto the backup icon of the toolbar, keep in your mind the name and the location of the backup-file,
- only for Firebird-SQL-server: restore the database by clicking the restore icon of the toolbar, use the same backup file, which was created in the Stepp before,
- execute the re-structurizing of the database by clicking the “upgrade database” icon of the toolbar.

Normally all of the version numbers of the database items in the overview list should be indicated with a black colour and with the same value for all items.

D.3 Import of settings of the inspection program QM-CALIP (calipers)

If somebody has defined reading positions and/or factory tolerance items, this data have to be imported manually.

D.3.1 Import of the reading positions

With the help of the menu item „Settings | Reading positions | Import reading positions“ you can import the values from the old QMSOFT®-installation from the old position-file. You will be asked for the name and the location of this old file, which you can find after the update installation as „PRUEFPOS.DAT“ inside of the folder

„ **Common documents**“\QMSOFT32_Backup\" **Computer name**“\Meschieb32_Settings“

D.3.2 Import of the factory tolerance items

There is no feature implemented to take-over the factory tolerance items automatically, sorry for this. Please type in the items after the update-installation again (menu item „Settings | Factory tolerances“).