

**Mac-MoVe**

**Lin-MoVe**

**Win-MoVe**

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# 1 Introduction

Because my model train collection grows, I wanted to enter them into a database. This database should fulfill the following requirements:

- It must be usable with MacOS X, Windows and Linux.
- Several track gauges must be usable.
- Beside a list of own trains, a wish list must be available.
- It must be able to save at least one image for every train.
- The history (maintenance, repair, retrofit...) of each model must be savable.
- I want to enter all spare parts of each model.
- Information about the original must be recordable.
- The life cycle of the original should be savable.
- There should be graphical reports available.
- A simple selection of the models (e.g. era) must be possible.
- Synchronization of models between different installations.

Unfortunately I did not find a program that fulfills all above requirements. On the other side I had experience with the development of database applications (Gebührenrechner, Bambini, Mac-HaBu...). This was the reason I decided to develop my own program. Additionally to above requirements I realized a very flexible concept. All parameters (gauges, era, manufacturer...) can be changed by the user.

I use this program for the management of my own model train collection. Accordingly I will add new features as fast as possible. But I like to add ideas from other users, too. Please let me know your ideas.

**Manfred Richter**

**Author**

## 2 Notes

### 2.1 General notes

With usage of "Mac-MoVe", "Win-MoVe" or "Lin-MoVe", you accept the following conditions. This applies to the unregistered version, too.

- With payment of the registration fee, you get the right to use this program for an unlimited time.
- You may use "Mac-MoVe", "Win-MoVe" and "Lin-MoVe" on different computers. But only one person is allowed to work with it at the same time.
- A resale of the registration is not allowed.
- You are allowed to give the program to another person. But you have to give this person the original files, like we provide on our [web-server](#).
- You are not allowed to give the registered version to another person.
- Changes at the files (program, help texts, user guide...) are not allowed. The data must be changed by the original programs, only.
- The user guide is exclusive for the usage of "Mac-MoVe", "Win-MoVe" and "Lin-MoVe". Any other usage is forbidden.
- Leasing, Renting or something else like this is forbidden.
- Earlier license agreements are invalid with the release of this version.
- The registration information is to be protected against the access through other persons.
- **The MC Richter GbR is not responsible for damages, which results direct or indirect from the usage of this software. This applies also to the statements made in the user guide.**

### 2.2 About this user guide

This program is available for MacOS X, Windows and Linux. For Macintosh computer the program name is "Mac-MoVe". For Windows users, the program "Win-MoVe" is available. Linux users start the program "Lin-MoVe". All programs work in the same way. If there are differences, you find a description on the corresponding page in this user guide. All images in this user guide were made with the latest version of MacOS X. At the other operating systems they differ only insignificantly. All major changes since the last version of this user guide are marked.

This user guide is available as a PDF, as well as an online help. Both variations contain the same contents, nevertheless, are adapted to the representation form. All major changes since the last version of this user guide are marked (PDF only).

## 3 Installation

### 3.1 Requirements

"Mac-MoVe" is available on Macintosh computers, "Win-MoVe" on Windows computers and "Lin-MoVe" on Linux systems. Depending upon the used version, the minimum requirements are:

- **Macintosh:**
  - MacOS X 10.4
  - 64 MB main memory
  - 100 MB free space on hard disk
- **Windows:**
  - Windows 2000
  - 64 MB main memory
  - 10 MB free space on hard disk
- **Linux:**
  - x86-based Linux-Distribution (Ubuntu 6.10, SUSE Linux Enterprise Desktop 10, Red Hat Enterprise Linux 5...) with:
    - GTK+ 2.8 (or newer)
    - glibc-2.4
    - CUPS (Common UNIX Printing System)
    - libstdc++.so.6
  - 64 MB main memory
  - 100 MB free space on hard disk

The processor speed and the disk space are only approximate values. The necessary disk space depends upon the number of trains. More entries and pictures need more space on the disk.

The listed operating systems are minimum requirements. Normally "Mac-MoVe" ("Win-MoVe", "Lin-MoVe") works on all current operating systems. Unfortunately it is not possible to test all configurations. This applies especially to the different Linux distributions. If you have any problems, please contact me. I will solve the problem as soon as possible. Since I manage also my own train collection with this program, I will adapt it to new versions of the operating system as soon as possible.

### 3.2 First installation

If you read this user guide, you already unpacked "Mac-MoVe" ("Lin-MoVe") or used the installer for "Win-MoVe". On Macintosh computers, you can create now an alias (Linux: Link) of the program on your desktop or any other place you want. This gives you a faster access to the program. On Windows the installer created a directory with all necessary files on your hard disk.

**Note:** The package contains the English and the German version.

During starting of the program, the correct language resources are loaded (German or English).

Depending upon your operating system, you must start one of the following programs:

- Macintosh: Mac-MoVe X.app
- Windows: Win-MoVe.exe
- Linux: Lin-MoVe.app



During the first start, you will be asked for a valid database. You have to create a new database in any folder (Windows/Linux: directory). For more details, please refer to chapter 4.2.1.

**Note:** Do not use any special characters in the path or database name. This can lead to problems on some operating systems.

After this message another dialog appears with the notice that you may use this program still 60 days. After expiration of this time, each further usage is only possible after registration. You can enter this information in the dialog.

**Note:** The unregistered version is 60 days usable. After this time it is not possible to use the database any more. The data already entered are stored, but cannot be used until the registration.

As long as you did not receive the registration information, select "No registration". After reception of the registration information, enter the values in this dialog and select "Registration". Consider thereby the capitalization. With future program starts, this window does not appear any more.

### 3.3 Usage on several computers

This program is designed as a workstation version and is optimized for this usage. Nevertheless there are two different ways to use it on several computers. Both procedures have their pro and cons. Therefore each user must decide which procedure is better suitable for him.

#### 3.3.1 Database-Server

You can use a database-server instead of a local file. With the help of this server, several installations of this program can use the database.

Today we support only the "[REAL SQL-Server](#)", because it contains the same database engine as we use for the local file. So it is very easy to switch between the local file and the database-server.

There are two ways to create the database on the server. If there is already a local file, you can upload it with the administration tool of the "REAL SQL-Server". There exists the command "Upload Database" in the menu "Database". If there is no local database file, you must create the database with the administration tool. This program creates the necessary tables in the next step, automatic.

After creating the database, you must tell this program to use the database from the server in the future. If this program was used with the local database before, you must select the menu point "Server" from "File". If you uploaded an existing database, you can use the point "Open". Is there only the database, without tables, available you must select "New". In both cases, you get the following dialog:



The image shows a dialog box titled "Enter Server data". It has five input fields: "Name" with the text "Trains", "Host" with "127.0.0.1", "Port" with "4430", "User" with "admin", and "Password" with "admin". At the bottom, there are two buttons: "Cancel" and "OK".

Image 1: Server data

- **Name**  
Name of the database.

- **Host**  
TCP/IP address of the database-server.
- **Port**  
At the SQL server entered port (standard: 4430).
- **User**  
At the SQL server for the database entered username.
- **Password**  
For above user at the SQL server entered password.

After entering the data and pressing "OK" the connection to the server will be established. If you selected "New", all tables will be created, now. After that, you can enter and modify data with this program, as usual.

**Note:** The integrated functions for backup cannot be used. The backup must be done by the database-server.  
Only the "[REAL SQL-Server](#)" is supported. It must be purchased separately.  
Only experienced users should use this concept.  
For each instance of this program an own user must exist on the database-server. If two instances work with the same user, you may loose data.  
Two persons must not edit the same entry at the same time.

### 3.3.2 Semaphore

With this procedure, the database file must be synchronized between all included computers. The synchronization can be done by an external program - or direct with this program. The advantage of this concept is that you don't need a special database-server. In many cases this might be cheaper and more comfortable.

**Note:** Since this procedure requires no additional software, it should be preferred. If you think later, that a database server is better, you can switch always.

To avoid the usage by two persons at the same time, so called semaphore are implemented. For the usage, a file server, which can be accessed by all involved computers, is necessary. This file server can be used to synchronize the database file, too. Alternatively, you can use external programs ([Synchronize](#), rsync...) to synchronize the database file.

For the configuration, the text file

- Mac-MoVe Sema.txt      Macintosh
- Win-MoVe Sema.txt      Windows
- Lin-MoVe Sema.txt      Linux

must exist on every computer, which are included in this concept. This file must be in the same folder as the program. The file must include the following lines:

- Volume Name
- User Name
- User Password
- Complete path of semaphore file
- Complete path of database file on the server

If the first three lines are not empty, an Apple Share Server (AFP) will be mounted and unmounted. This works only with MacOS X, because the UNIX command "mount\_afp" is used. For the activation, the volume name, username and the password from the file will pass to the command. Should no server be activated, the first three lines must be empty. The fourth line contains the name and complete path of the sema-

phore-file on the server. If the fifth line is not empty, this program synchronizes the database file with the given file on the server.

The file "Mac-MoVe (Sema.txt)" (Macintosh) may have, for example, the following content:

```
192.168.1.1/BackupServer
Manfred Richter
Passwort
Richters Server:MacMoVeSema
Richters Server:Modells.rsd
```

By every start and end of the program the semaphore-file is examined and written with actual values. By this, it can be guaranteed that always the latest version of the database will be used. If the fifth line (path of database file on the server) is used, this program compares the local and server database file by every program start. If the server version is newer, it will be copied to the local database. When quitting this program, the database file is copied to the server, again. The result is that there is always the latest version on the server.

**Note:** Only experienced users should use this concept.

The activation and deactivation works only with Apple Share Servers (AFP) under MacOS X.

Even if a server was already activated, it will be deactivated.

If the file server with the semaphore-file is not available, you can work with this program, too. In this case, you must check that no other person works with this program and that the database is up to date.

## 3.4 Update

If an Internet connection is active, a check for new versions will be done during the start of this program. This check can be switched on and off in the preferences at any time. In certain network configurations there may be problems with the automatic check. In these cases, you get an error message. If you cannot change the network configuration, you must deactivate the automatic update in the preferences.

If a newer version is available, the following dialog will appear:



Image 2: New Version available

The Buttons has the following meaning:

- **Deactivate**  
The automatic check for updates will be permanently deactivated. You can activate it in the preferences again.
- **Later**  
The download will not start. You see this dialog during the next start of the program again.
- **Load**  
The current version is copied onto the hard disk. Afterwards, you must unpack and install it.

- **Install**

The necessary files are loaded into an invisible folder. If you use Windows, the Setup<sup>1</sup> program will be started. With MacOS X (10.4 and above) all necessary files are updated by "Mac-MoVe" itself.

The update with "Install" is the easiest and most sure way to get the latest version. Unfortunately, this doesn't work with Linux. Even if you want to update several installations, it may be better to download the archive. The loaded file is the same as on CD, [homepage](#) or other media. After unpacking it, you must replace the files. But be sure not to replace your database file (e.g. "Trains.rsd"). During the next program start the database will be updated. A fallback to an older version is not possible.

**Note:** Make a backup of your existing database, before you update to a newer version. Only with this backup it is possible to fall back to the old version.

Make sure that the database file is not overwritten.

If this program was installed on several computers, all installations must be replaced with the new version. If two different versions (e.g. Desktop and Laptop) are used, this can lead to problems of the file formats. "Mac-MoVe" ("Win-MoVe", "Lin-MoVe") converts the database from an old format automatically into the new format. An old program version cannot read the converted database any longer.

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<sup>1</sup> The setup program updates all necessary files. Existing files, which were changed, are not overwritten. Nevertheless, it is a good idea to backup all files before you start the update.

## 4 First steps

In chapter 3 we installed "Mac-MoVe" ("Win-MoVe", "Lin-MoVe"). Now we must customize it. Afterwards we enter the first trains.

### 4.1 Usage

Although this program is available for the major three operating systems, it supports specific features of each operating system. In addition, there are some features in this program, which make the work easier.

#### 4.1.1 Dialogs

With the input of values, there are many other possibilities:

- In the case of a faulty input (e.g. date) the corresponding field gets a red background. Please correct the value before you save it.
- With the input of a date a comma instead of the point can be entered.
- Beside the manual input of a date, you can select it with the help of a popup-dialog. Therefore, you click the calendar symbol on the right side the input field. Then a dialog opens, in which you can select the date with the mouse.
- In date fields, you can switch to the next or previous date by pressing an arrow key (high or down) and the command key (Windows / Linux: Control).
- In numeric fields, you are able to decrease or increase the value by pressing an arrow key (high or down) and the command key (Windows / Linux: Control).
- With fields, which take up values with a unit (length, weight ...), it is also possible to enter the values with another unit (e.g.: cm instead of mm). Therefore, you press the Button on the right side of the input field. In the opening dialog, you select the value with the wished unit.
- With fields, which contain values (number, amount...), a formula (e.g.  $12 + 5$ ) may be entered. You see such a formula by the yellow background of the field. The result is calculated when you leave the field. To change the value, you can go to the field again. Then you edit the formula, again. Also for times, you can enter a formula.
- With some fields (manufacturer, dealer, company ...) a selection from a predefined list is possible. You can administer this list with the point "Default values" from the popup-menu or with the preferences (see chapter 4.3.5).
- With the Button "I" on the right side a popup-menu, you can enter additional information about the selected value (e.g.: address). These data are valid for all models.
- In some fields, you can format the entered text. This works like in most word processors.

#### 4.1.2 Lists

The behavior of lists depends on the used operating system. In detail there are following functions:

- The width of each column can be changed individually. Therefore one moves the mouse cursor in the column title between two columns. The cursor changes its shape and you can change the size of one column.
- Of course, most lists can be sorted to each column, too.
- With the help of the shift or command key (Windows / Linux: Control), you can select multiple lines.
- You are able to copy line of a list via the clipboard to another model.

### 4.1.3 Pictures

In several dialogs, you are able to store pictures. To add a new picture, you have four ways:

- Import from a file
- Insert from the clipboard
- By Drag'n drop from another application
- With a link to a web-server (see chapter 5.1.12)

With all types, the following formats are supported:

- JPEG (Extension: jfif, jpe, jpeg, jpg)
- PICT (On Windows only with installed QuickTime, Extension: mac, pict, pic, pct)
- PICT (On Windows only with installed QuickTime, Extension: pict)
- BMP (Extension: bmp)
- GIF (Extension: gif)

You add pictures with the menu point "Import" - "Picture ..." from "File". The context menu, which opens with a right mouse click, offers further possibilities. On Macintosh, you must hold the control key while clicking the mouse key to open the context menu. In the context menu, you find different points to manage the pictures. "Import" corresponds to the above menu point. If the picture is already in the clipboard, it can be imported with "Insert". If the source application supports Drag'n drop, you can move the picture direct into the picture area. Another way is the download from a web-server (see chapter 5.1.12). In all cases the original picture is stored in the database and is scaled to the picture area.

**Note:** Please pay attention not to choose too large pictures. Too large pictures need much space in the database. With the menu point "Reduce image size" (see chapter 5.1.7) all the stored images can be reduced.

The database can be used with Windows, Linux and MacOS X. There may some restrictions with the presentation of the pictures if the format on the operating system is not supported. In most cases, it is a good idea to install QuickTime.

When you use Windows NT, 2000 or Linux there may be problems with pictures stored in the database. Because of this, the path to the original picture will be saved, too. If there is a problem while reading a picture from the database, the original picture will be used, instead.

To show the picture in full size, you can use the point "Full size" from the context menu. After selecting this point, a new window with the picture will open. With "Delete", you remove a picture from the database. Saved pictures can be exported from the database on the same ways like the import.

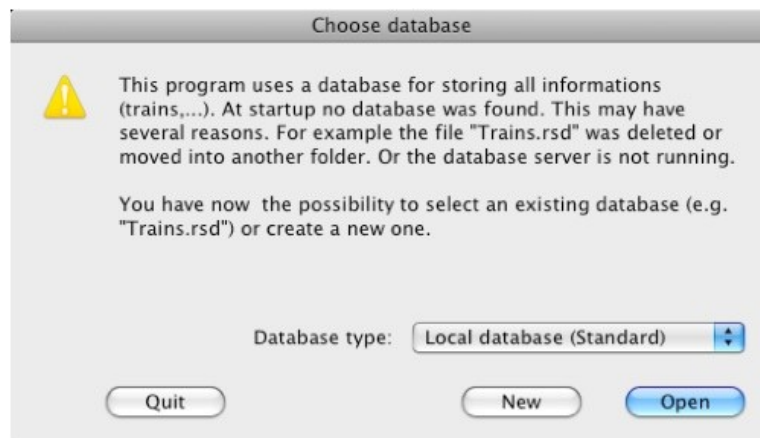
## 4.2 Starting of the program

Depending on the operation system, we have to start one of the following programs:

- Macintosh: Mac-MoVe X.app
- Windows: Win-MoVe.exe
- Linux: Lin-MoVe.app

### 4.2.1 Create database

This program stores all data in a single database. The location will be stored in a so-called preference file. If the database cannot be opened by the value in the preference file, the following dialog appears:



**Image 3: Choose database**

The Buttons has the following meaning:

- **Database type**  
You can store all data in a local file or on a database-server. Normally, you should use a local file, so you don't need an additional server.
- **Exit**  
"Mac-MoVe" ("Win-MoVe", "Lin-MoVe") will be terminated immediately. This function is useful, if the database is not available for a short time. As soon as the problem (for example a deactivated drive) is fixed, the program can be started again.
- **New**  
After choosing a file with the files dialog, a new database will be created. A suggestion for the database is "Trains.rsd". But all other valid file name can be used, too. During the **first start** of this program, you must select this option.
- **Open**  
If the database was moved or renamed, this program can't find it any more. If the preference file was not found, this dialog will appear, too. With this Button, you choose the current database. The new access path is stored in the preference file.

**Note:** Special characters should not be used in the file name and path. Each operating system has different restrictions about special characters.

If you use Linux the dialogs may be shown not good. Therefore, a wizard starts after the creation of the database. With it, you can optimize the layout. Of course, you can correct the settings in the preferences (see chapter 4.3.2) at every time.



## 4.2.2 Registration

This program is distributed as Shareware. This has the advantage, that you can test the most features before paying. For the registration, you get a code via mail from MC Richter GbR. With the registration, you don't lose dates, you entered before. **You find details about the registration in chapter 8.** As long as you don't have such a mail, this dialog will appear during every start of the program.



**Image 4: Enter Registration**

If you got the registration information, enter it in the two fields. Afterwards press the Button "Registration". After correct input (Capitalization), a message appears which tell you that the registration was successful. If you do not have the registration information, select "No registration". After that, a message appears that not all functions are available.

**Note:** The registration authorizes you to use "Mac-MoVe", "Win-MoVe" and "Lin-MoVe" for an unlimited time.

If you entered the registration, but get the message again during the next start, it was wrong. Please check that there is no error (Capitalization).

Because the registration code is stored in the database, it must be reentered if you create a new database.

If this dialog appears after an update of the program, the database was probably moved. In addition, a new database was created (see chapter 4.2.1). Select in these cases with the menu point "Open..." the old database.

## 4.3 Preferences

Before entering model information, it is necessary to look to the preferences. If some changes are made later, you may loose project data. You open the preferences with the menu point "Preferences" from the menu "Mac-MoVe" (Windows/Linux: "Edit"). This dialog divides into five parts:

### 4.3.1 General

Here, you find general options for this program:

- **Units**

With the fields in the first line, you enter the currency symbols and the separator. The selection of the currency symbols does not have an effect on the function of the program. Here, you also specify how much digits are on the right side of the decimal points. In all countries with Euro this are two positions. For other currencies another value can be entered.

With the field "date" you define the input and output format of date fields. A change of the format is always possible.

With the other fields in this area, you select the unit for different parameters of the model and ori-



ginal. The unit chosen here is used as a standard for all dialogs and lists. Values in other units can be converted into this unit.

**Note:** You have to select the units and number of digits, before you enter the first train.

- **Backup**

All data are stored in a central database. To avoid a lost, you should backup this file (e.g. "Train-s.rsd") in regular intervals. For this job, you can use either existing tools (e.g. TimeMachine), or the integrated function. If you already use a regular backup, you do not need this function. You can choose "never" in the popup-menu.

If you do no regular backup, or wants to backup the database additionally, select the desired period here. Which period you select, depends on the number of new or changed entries. The backup is started when the program quits and the selected period is reached. If you don't like to select the destination folder every time, you can select here a folder. This program will copy the database file in this folder by every backup. To the database filename the date and time are added. In this area, you enter the maximal number of backup files in the backup folder, too. Before backing up, old files are deleted. So only the entered numbers are in this folder after the backup.

If the hard disk is broken, you must first install this program on a new hard disk (see chapter 3.2) from the program disk (Archive, Web...). Afterwards, you copy the backup to the original place. In the name of the file, you should remove the date. With the program start, you are asked for a database file. Select now the restored file. Or select the database from the menu (see chapter 5.1.1.2).

**Note:** The target for the backup must be another physical media.

If you use a database-server, this backup-function doesn't work. Please use the backup-function of the database-server, instead.

- **Check for Updates**

With activated option, the program checks for updates during the startup. These can be loaded to the hard disk and installed (see chapter 3.4), automatically. The check takes only place when an Internet connection is active. With some network configurations (proxies) it is not possible to connect to our [server](#). Here, you get an error message. Please deactivate the check in these cases.

- **Store changes automatic when going to next page**

You can go within an edit dialog directly to another entry. Changes in the leaving entry must be saved. If this option is activated, changes will be saved without a hazard-dialog. With deactivated option, you get a hazard-dialog, where you can choose to save the changes - or not.

- **Automatic serial number**

If this option is active, in the field serial number the next number is entered automatically. It can be changed manually. [With the automatic generation only numeric values can be used.](#)

## 4.3.2 Output

- **Font / Size (Monitor)**

With these two popup-menus, you set the font and size for the lists. In the popup-menu "Font" all existing fonts from the system are shown. The font "System" stands thereby for the font of the operating system.

- **Colored background lines**

If this option is selected, each second line in the lists gets a colored background. You define the color with a click on the colored box. The color of the box will be used for the background. Depending upon the operating system, a window opens for the selection of the color. To save costs, the colored background will not be printed.

- **Use three-dimensional lines (like iApps)**

If this option is active, the marked line gets a three-dimensional effect.

- **Font / Size (Printer)**

With these two popup-menus, you set the font and size for the printout. In the popup-menu "Font" all existing fonts from the system are shown.

- **Dialogs (Linux)**

With the different Linux distributions the fonts and sizes vary very much. In addition, there are different GUIs (Gnome, KDE), which displays the controls (Button, popup-menus...) differently. To give you the best representation for all distributions and GUI, the appearance can be entered here. With the first two popup-menus, you select the font and size for all texts (except lists). With "Text field" the height of the input fields is entered. In the same way, you enter with "Controls" the height of all Buttons and popup-menus.

**Note:** The settings are taken over after opening a window, only.

- **Redirect print output to a PDF file**

With activated option, all printouts will be redirected to a PDF-file. You enter in a special dialog all necessary parameter (paper size, orientation, font, size...). Because of this, the output may differ from a direct printout.

**Note:** On some Linux systems the printout may be bad. The problem comes from a problem in the used framework, which we can't solve. With the option to print into a PDF file this problem is solved. Only the fonts from the PDF dialog can be used. If other fonts are used (e.g., notice) an automatic substitution will be done. Beside the permanent output into a PDF file, you are able to export most outputs with an export function (see chapter 5.1.9.6)

- **Direct usage of CUPS for printing (Linux only)**

Above mentioned problems with the printing under Linux could be solved with option, too. The advantage of this option is that no external application is necessary. With activated option an image file will be written and printed with the help of the command "lpr". Instead of the standard printer dialog an optimized printer dialog will be shown. In this, you can enter the paper format and the resolution. The resulting values of the border and dimension are shown in the dialog and can be changed. In the last two fields, you see the commands to print the image and remove it after printing. In both commands the value "^1" stands for the paper format and "^2" for the path of the image. Maybe you want to change the command for some special purposes (e.g. printer). All values are stored, so you don't need to change it the next time.

### 4.3.3 Export

- **Print one model per page**

When printing an abstract; each value will be printed in one line. With selected option, for each model a new page will be used.

- **Separator between models**

If above option is not active; you can print a line to separate models.

- **Print first field as a title**

With activated option; the first field will be printed as a title. This means, that the field title will be suppressed and the value is centered.

- **Size of picture between...**

If pictures should be included in the abstract, a scaling of the stored information is useful. Here, you enter the range of the desired output. Smaller pictures are enlarged to the lower value, and larger pictures are reduced to the upper value. If both values are identical, all pictures get the same size.

- **HTML**

You can export the complete collection into several HTML pages. The names of each page corres-

pond to the different dialogs (model, history, life cycle...). With theses entries, you define the titles for each page.

- **Picture height for preview**

In the list, you see a preview of the pictures. With this entry, you define the height of this preview. With a mouse-click on the picture, you see the picture in full size.

- **Export title**

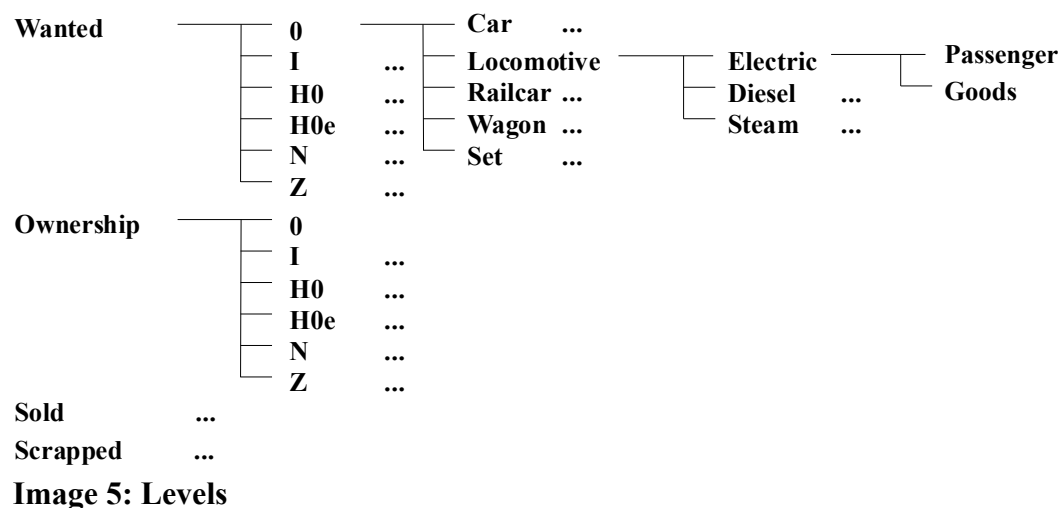
With activated option, an extra line will be exported. This line contains the titles of the columns.

- **Separation for export**

Here, you enter the character to separate the columns in an export file.

### 4.3.4 Categories

With the help of categories, you divide your model train collection into different types (gauge, era...). You can use up to five levels. The idea behind this technique is a tree whose trunk is on the left side. Accordingly, the branches are on the right side. When you create a new database, an example will be created for you. This can be changed for your collection in an easy way. The following image shows this:



Within the program this looks like:

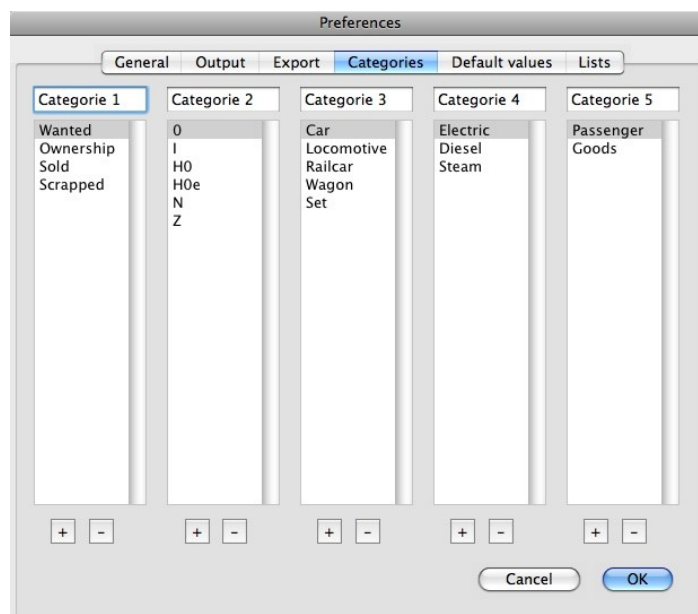


Image 6: Categories

Depending upon your existing collection, parts can be removed, added or renamed. Each of the five lists represents thereby one level. The number of levels for a type of model may differ from another. In the initial data, wagon and cars have for example four levels, because the level for the engine type is obsolete. Locomotives on the other side have all five levels. You can change this in any way.

For renaming, you click on the appropriate text. Then one can change it, like every other text field. If an entry already exists, all concerned trains are updated automatically. If you like to remove an entry, you must mark the appropriate field and press the "-" Button underneath the appropriate list. The entry and possible existing levels below (right of the current list) are deleted. For adding an entry, you must use the Button "+" underneath the appropriate list. The new entry gets automatic the name "New". It can be renamed, as described above. If an entry was marked, before you press the Button "+", all elements under the marked one are copied to the new one.

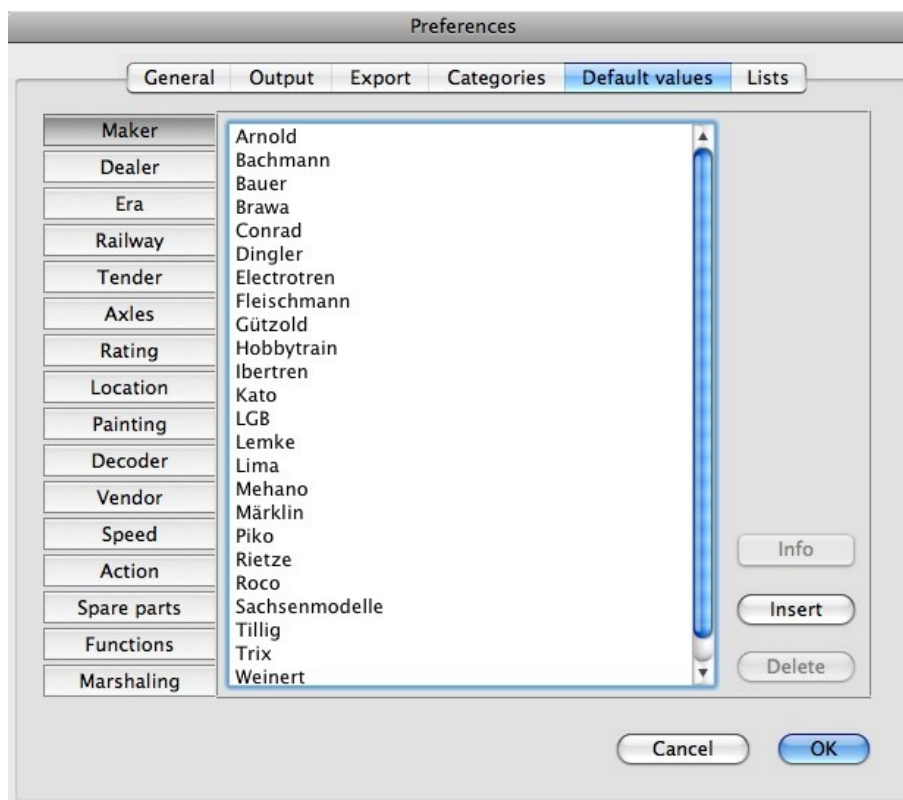
**Note:** If an entry was marked, before you press the Button "+", all elements under the marked one are copied to the new one.

Every level can get a freely defined name. It is shown, for example, in the lists. By default the names "Category 1" to "category 5" are entered. With the input fields above the respective list, you can enter another name.

The usage of the categories gives you a maximum of flexibility for managing your collection.

### 4.3.5 Default values

With this point, different default values for the input of the trains can be defined. The usage of default values has the advantage that you can search for it. With a free text input one could mistype, and the train will never be found again. The following image shows the dialog to manage the default values.



**Image 7: Default values**

In this dialog one finds on the left side Buttons with the names of the different fields. By pressing one Button the defined default values for this field appears. The initial values were filled, while creating the database. With some fields (e.g. era) no, or a minimum modification is necessary. Other fields (e.g. dealers) must be changed more for your usage.

For renaming an entry, one clicks on the appropriate text. Then one can change it. If an entry is already used, all trains concerned these values are updated automatically. If one wants to add an entry, one must press the Button "Insert". A new entry with the name "New" is created. It can be renamed, as described above. To delete an entry it must be marked. Afterwards it can be deleted with the Button "Delete".

**Note:** Alternatively an entry can be administered in the corresponding popup-menu.

It is a good idea to enter only already known values. Later on, you can add new values direct in the popup-menu.

If an entry is already used, all trains concerned these values are updated automatically.

The initial values (e.g. dealer) are made for the German market. But you can change them very easy to your market.

With some default values, you can enter additional information. You see these values while editing a model. For example, you can enter the address of the dealer. For some other default values (e.g. era), you can enter a notice. This may helps you to find the correct value.

**Note:** You are able to manage the additional information also in the dialog for the administration of a model.

The management of the additional information in the preferences is only under MacOS X available.





**Image 9: Insert Train**

This dialog is divided into five parts. The upper part is always visible and shows general information. Here, you choose the appropriate category (see chapter 4.3.4) with the five popup-menus in the first line. In the further fields, you can select the value with the popup-menus (Railway, Axles), or enter the text direct (Class, Number). With the Button on the right side of the popup-menus, you can administer the additional information of the chosen value. Under MacOS X, you can do this within the preferences (see chapter 4.3.5), too.

**Note:** The popup-menus show only entries, which were defined in the categories (see chapter 4.3.4) or default values (see chapter 4.3.5).

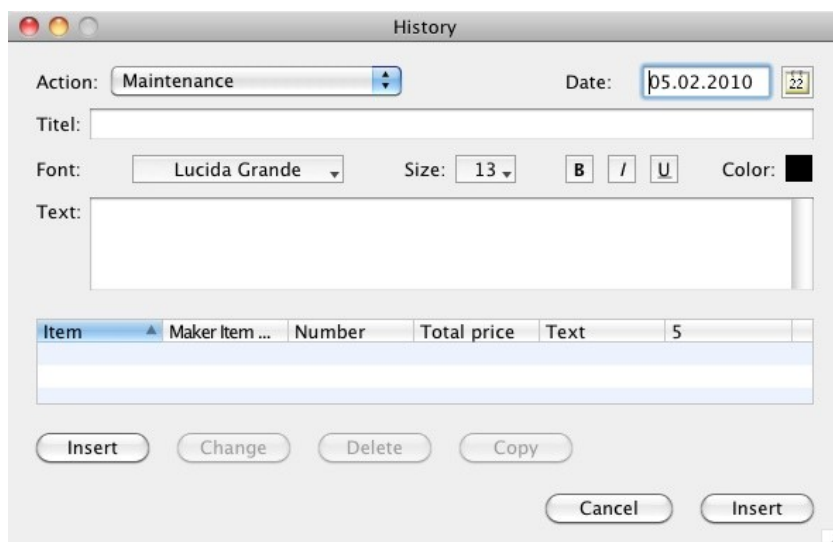
If you need an additional value, it can be entered direct with the popup-menu value "Administer default values" from the corresponding popup-menu.

The farther input divides into six areas:

#### 4.4.1 Model

With this point, all information about the model is stored. The information is entered either with a popup-menu (maker, era...) or as a text (article number, length...). Up to 4 pictures can be attached to one model. You switch between these pictures by the four Buttons on the right side.

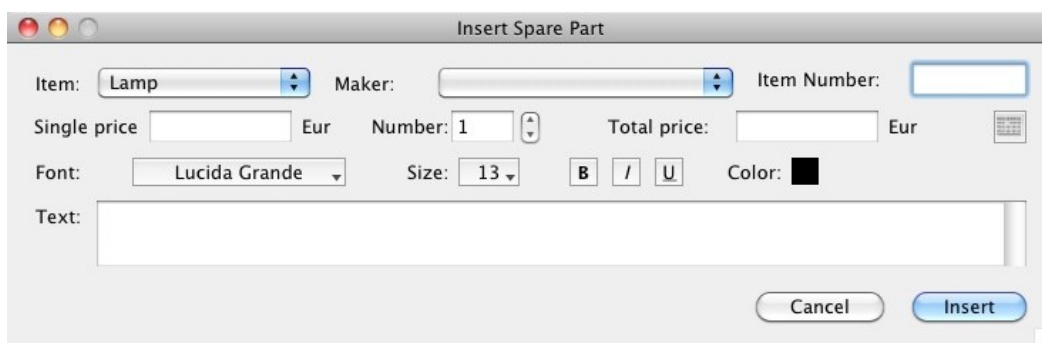
In the lower part of the dialog, you see a list with the history of the model. Because we entered a new train, this list is empty. With the Button "Insert" we add an entry. The following dialog appears:



**Image 10: History**

Here, you select the action (Maintenance, Repair...) from the popup-menu, first. The possible values of this list are specified in the preferences (see chapter 4.3.5). You can add new values with the popup-menu, too. Afterwards, you enter the date of this action. The date is used in the report "History". With the fields "Title" and "Text" one describes the action.

When this action was a repair, you need normally spare parts. These are listed in the lower part of the dialog. Because we entered this entry, the list is still empty. With the Button "Insert" we enter a spare part. The following dialog opens:



**Image 11: Insert Spare part**

Here, you select the kind of spare part, first. The possible values of this list are specified in the preferences (see chapter 4.3.5). In the same way, you enter the maker of this article. Then comes all other values of this spare part. Often, one used the current spare part already in other models. For this, is the button on the right side useful. If it is activated, a window with all already entered spare parts opens. With a click on one entry, you fill the dialog with the values.

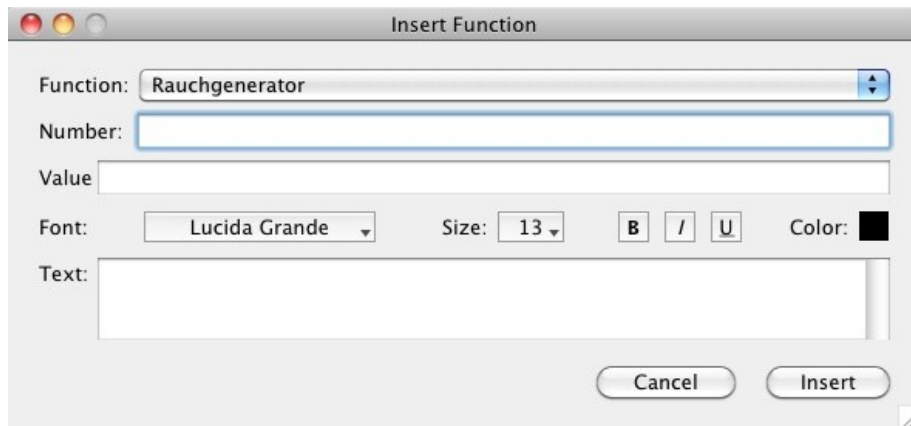
You can enter an unlimited number of history and spare part entries. When you enter all actions and spare parts, you get a good history of your trains.

## 4.4.2 Functions

In this card additional functions (light, sound ...) can be entered. This is for example for digital functions interesting, because here additional information can be stored.

This list shows all entered functions of a model. Because we entered this entry, the list is still empty. With the Button "Insert" we enter a function. The following dialog opens:



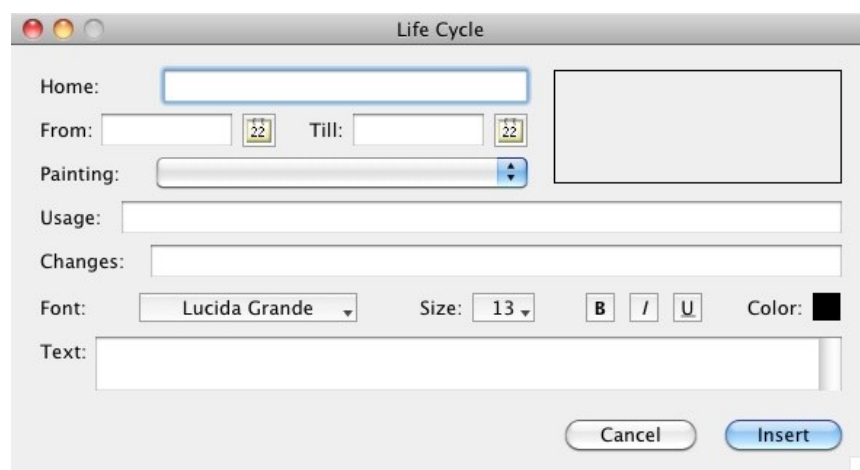


**Image 12: Functions**

Here one must select the function with the popup-menu, first. You administer the available function with the preferences (see chapter 4.3.5) or with the point "Default values" within the popup-menu.

### 4.4.3 Original

The third part is for the values of the original. The input works in same way as the other ones. The list in the lower area shows the different stations of the original. Because we entered this entry, the list is still empty. With the Button "Insert" we enter a new entry for the life cycle. The following dialog opens:



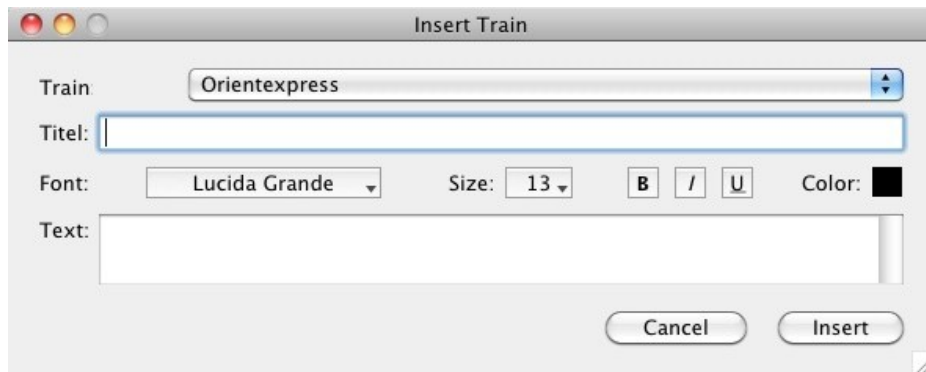
**Image 13: Life Cycle**

Here, you can enter all information (home, usage, changes...) for a certain period. Also a picture can be stored for this period. This works in the same way as in a model. All stations in the "life" of the original can be entered in this way.

### 4.4.4 Marshaling

With this card, the model can be assigned to one or more trains. In the main list, the search can be limited to a train. Thus one gets a list with models for a certain train. Another way is the report "Marshaling" (see chapter 5.3.9), which shows all train with the models.

Because we entered this entry, the list is still empty. With the Button "Insert" we enter a train. The following dialog opens:



**Image 14: Marshaling**

Here one must select the train with the popup-menu, first. You administer the available trains with the preferences (see chapter 4.3.5) or with the point "Default values" within the popup-menu.

### 4.4.5 Notice

Here, you enter additional information with a formatted text. There is no restriction about the length of the entered text.

### 4.4.6 Documents

Within this part, additional documents can be administered. The following document types are available:

- **URL**  
With this type a URL of a web page is stored. Beside the real URL a describing text can be entered.
- **File**  
Like an URL a link to a local file is added here. In the database only the link is stored, so that the original file must exist furthermore. You must not move or rename the original file.
- **Picture**  
Like the pictures in the part "Model", you can add pictures, here. You can add as much pictures, as you want, here. But remember that these pictures are stored in the database. So the database grows with every picture, you add. Alternatively pictures can be added as a file.
- **Notice**  
Here, you add a notice.

The values shown in the list ("Title", "Text") can be edited by a click on the corresponding value. To view the stored information, press the Button "Open". According to the type of the information different actions are necessary:

- **URL**  
An URL is shown in the default browser.
- **File**  
A file will be opened by the program, associated in the operating system.
- **Picture**  
You see the picture in a new window.
- **Notice**  
The notice will be shown in the same dialog, you used for entering it. All values of it can be changed.

All elements can be also added by Drag'n Drop. While adding text, the application recognizes URLs and adds the text as an URL, if it is one. Otherwise it adds a notice.

Finally, every element can be removed from the list with the Button "Delete".

After all values are entered, you can add this train with the Button "Insert". If a spare part, history or life cycle dialog is open, it must be closed before.

## 4.5 Main list

After a train was entered (see chapter 4.4), it appears in the main list. Here all fields are shown which are selected in the preferences (see chapter 4.3.6).

You reduce this list with the fields (Class, Dealer...) in the upper half of the dialog. For example, if you go shopping, you select only trains with the value "Wanted" in the first category. After the shopping tour, you start this program again and select the trains, you bought. For each train, you bought; you switch the category from "Wanted" to "Ownership". Additionally, you have to enter the new information of the train (Purchase date, Dealer...). Another example is the compilation of a complete train of one era. In this case, you select one era with the popup-menu. After pressing "Update", you see only trains of this era. The possibilities are unlimited.

## 4.6 Reports

For a better representation of the own collection, there are different graphic reports available. Depending upon entered data, not all reports are useful. For example makes the report "Earnings" only sense, if you sell some trains - and enters the sales price.

The first two reports give information about the "Costs" and "Earnings" of the trains. Spare part costs are not included. The following three reports show the current worth of your collection. Depending on your entries (Price, Current price and Purchase price) not all reports make sense.

With the report "History", you get an overview of all activities. The report "Spare parts" lists all spare parts and their usage (History, Train).

The report "Categories" shows important values for the different categories. This report is useful to compare same categories.

All reports can be limited with the fields in the upper half of the dialog. Also they can be exported for further processing.

## 4.7 iPhone / iPod touch

If you meet friends, you may talk about your models. In this situation there may be some questions about a special model. But you don't know the details in the moment, and there is no computer with this program available.

For such situations, this feature was realized. You are able to load all your models to an "iPhone" or "iPod touch". If you want to know something about one model, you are able to look for it. There is a list with all models, you loaded and a detail view for one model, available.

**Note:** Sublists (History, Life cycle...) and pictures can't be loaded on the mobile device.

The application was developed as Web-application. The advantage is that one doesn't need to download it from the Apple store. You are able to install it directly from this program. Because of the features of HTML 5, no permanent connection between the "iPhone" ("iPod touch") and "Mac-MoVe" ("Win-MoVe", "Lin-MoVe") is necessary.

Only for installation and synchronization, access from "iPhone" ("iPod touch") to the home computer must be available. The best way is an already installed WLAN. Theoretically, one could connect the "iPhone" with the home computer over the Internet, too. However this requires some configuration at the router and a static IP-address. These configurations are difficult and cannot be explained here.

**Note:** For security-reasons, a Web-application communicates only with the computer, from which it was installed.

### 4.7.1 Installation

For installation, the point "iPhone / iPod touch" must be started in "Mac-MoVe" ("Win-MoVe", "Lin-MoVe"). As a result, following dialog opens:



**Image 15: Synchronize with iPhone / iPod touch**

Because the mobile device must access this computer by a TCP/IP connection, the IP-address of this computer is necessary. It is therefore shown in the dialog. If other services beside this program use the port 8080, another, free port can be entered.

**Note:** If the port 8080 is used by another program (e.g. web-server), a free port can be entered.

The further steps are done at the "iPhone" ("iPod touch"). There, you must start "Safari" with the following URL:

`http:<IP-Address>:<port>/MoVe/main.html`

Instead of <IP-Address> and <port> you must enter the address and port from above dialog. When above address was called, the page is shown in the browser. The complete application is transferred to the mobile device, too. So you can use it without a connection to "Mac-HaBu" ("Win-HaBu", "Lin-HaBu"). In the next step, you should add it to the home screen of the "iPhone" ("iPod touch"). This is done with the Button "+" in Safari.

**Note:** With the Button "Installation", you start a wizard, which guide you through the necessary steps. The wizard offers the possibility to send a Mail to the "iPhone" ("iPod touch"). This Mail contains above link for the installation.

The last step is to load the model data to the mobile device. This will be explained in chapter 4.7.2.

### 4.7.2 Synchronization

After the installation and after changes within the collection, the data must be transferred to the mobile device. Which information are shown on the "iPhone" ("iPod touch"), depends on following points:

- In the preferences (see chapter 4.3.6) you define the field, you want to load to the mobile device.
- In the main list (see chapter 4.5), you select the models.
- In this dialog, you define the fields, which are shown in the overview.

**Note:** In the preferences, you should activate only fields, which are used.

The further usage takes place at the "iPhone" ("iPod touch"). There, one selects "Synchronize" from the overview list. In this dialog, the IP-Address and the port of the home computer will be shown. These data

were determined from the URL and can be corrected before the first synchronization. Afterwards, one presses the Button of "Synchronize". According to amount of data and connection, this procedure lasts until some minutes.

After successful transfer, one switch into the overview list by "Back".

### 4.7.3 Usage

With the start of this application, the overview list of the synchronized models is always shown. For each model, four predefined values are shown. If you look for a model, you can enter the available information in the search field. According to the input, only models are shown, which contain the entered value in one the fields of the list.

**Note:** The search looks only in the field of the list.  
Capitalization is not taken into account.  
To show the complete list, the search-field must be empty.

If you want more information about a model, you must tap it in the list. As a result, the defined values (see chapter 4.3.6) are shown.

With the Button "Back", you go back to the overview, again.

## 5 All menus

### 5.1 File

#### 5.1.1 Local database

##### 5.1.1.1 New

Normally, with the first start (see chapter 4.2) a new local database was created. In this, all data, also several gauges can be stored. If you need, for some reasons another database, you need this menu point. After selection, the standard dialog for saving files opens. Here one selects the path and name of the new database. Both will be stored in the preference file, so that it can be used during the next program start. The new database contains example values for the categories. These must be adapted, as in chapter 4.3.4 described.

**Note:** This function is only in special situations necessary.

##### 5.1.1.2 Open database

With this menu point, you switch to another local database. The last active database will be closed and the selected one will open. The new database is used during the next program start.

**Note:** This function is only in special situations necessary.

#### 5.1.2 Server

##### 5.1.2.1 New

If you want to use a database-server, you can create with this point the necessary tables in the database. You find more information about the usage of a database-server in chapter 3.3.1

**Note:** This function is only in special situations necessary.

##### 5.1.2.2 Open

With this menu point you switch to another database on the database-server. The last active database will be closed and the selected one will open. The new database is used during the next program start.

**Note:** This function is only in special situations necessary.

#### 5.1.3 Close

With this menu point, you close a window, which has a close box. The main window, which is always visible, cannot be closed with this point.

#### 5.1.4 Page setup

Hereby, you open the dialog for changing the paper format. The appearance differs, depending upon printer model and operating system.

**Note:** Linux integrates the functions of the page setup in the printer dialog. Therefore this point is not available.

### 5.1.5 Print

You print the main list, reports and graphics with this menu point. The column size of the printed list depends on the column size on the monitor.

**Note:** Only visible columns (see chapter 4.3.6) will be printed.  
If the columns are too small, you should use the landscape format or a smaller size of the font (see chapter 4.3.2).

### 5.1.6 Print Abstract

The list prints the stored information only incompletely, because neither pictures nor the additional lists (history, spare parts and life cycle) can be printed. To solve this problem is the abstract available, which prints all values - line by line. This gives the possibility to print pictures and notes, as well as the additional lists. The definition, which information should be printed is entered in the preferences (see chapter 4.3.6). There is also entered, how the abstract will be printed (see chapter 4.3.2).

### 5.1.7 Reduce image size

This program stores at different places images in the database. While storing the original size and depth of the picture are stored. Because of this, you are able to export the picture in nearly the same quality. If you store many images, the database file becomes very big. To reduce this size, you can use this function.

On the left side, you select which part of the database should be reduced. On the right side, you select the maximum size of the picture. If a picture is larger then these values it will be reduced, so that it fits into the given values. Nevertheless, smaller pictures are not increased.

**Note:** While reducing the pictures, it will loss quality.

### 5.1.8 Reorganize

With this menu point the database will be tested, reindexed and compacted. If many records, pictures or notices were deleted, the size of the database file can be reduced significant.

### 5.1.9 Export

All lists and reports can be exported into a file (HTML, XML, text or PDF), an Excel-sheet or the clipboard. Only the columns of the current list will be exported. Depending on the preferences (see chapter 4.3.3), a title will be exported.

**Note:** The history (and the spare parts) and the life cycle of a train can't be exported or imported (exception: HTML, XML).  
In the unregistered version the export is limited to 10 entries.  
Exported files may differ from files, which can be imported.

#### 5.1.9.1 File

With this point, you export the list or graphic into a file. After opening, you must select the target file with the standard file dialog. After confirmation, the selected list will be exported. For the separation of the columns the character, defined in the preferences (see chapter 4.3.3), will be used.

You can export an open graphic report into a picture file (PICT, JPEG...). The possible picture formats depend on the operating system.



### 5.1.9.2 XML

In contrast to text files, XML-files contain all information of the chosen models. The name of each tag corresponds to the title of the respective list.

**Note:** Because tag names must not contain special characters, these are suppressed during the export.

In contrast to the other export functions, the export into an XML-file is also in the edit-dialog available. This gives you the possibility to export exactly one model. Because the associated files (pictures, lists) get a unique name for each model, you can export different models into one folder. This function is optimal for the actualization of a second installation of this program.

If there are pictures for a model in the database, they will be saved into an extra file. The XML-file contains a link to this file.

**Note:** Pictures are saved as an own file, because of the size of the XML-file. When importing an XML-file, the pictures must be in the same folder as the XML-file.

All texts, which contains several lines and the notice field will be saved in a hex coded format. Only with this format it is sure to get the original text unchanged.

You can read an XML-file with all installations of this program. Only the categories and default values must be available in the destination installation. While importing (see chapter 5.1.10.2), you can choose to overwrite existing models, or not.

With this feature, you have many possibilities. The easiest one is to transfer one or some models from one installation to another. Here, the export from the edit dialog may help you very much. Another idea is to add some information (e.g. parser for web-pages) to a model. For this, you have to export the model. Then an external program can read the XML-structure and add the new information. The last step is to reimport the XML-file.

A much more complex solution is the common administration of models for a club. A common database contains all models of all members. Each member administers his own models and exports the list into an XML-file. The administrator of the common database imports all XML-files of all members. So he gets a database with the models of all members. If a member changes something in his database he exports the XML-file again. Because existing models will be recognized, the administrator of the common database can import the XML-file again.

**Note:** For such a common database, it is a good idea to change the category name "owner" to the name of the member.

### 5.1.9.3 Excel

With this function, the active list will hand over to "Excel". The values of the appropriate list will be entered thereby directly into a new sheet. For the usage of this function, "Excel" must be installed on the computer. Under Windows the OLE interface is used for the communication with Excel. On the Macintosh AppleEvents are used.

**Note:** With the first call of the function, you may get a list with different applications (only Macintosh). In this case the Macintosh could not find "Excel". Please select in this list your current installation of "Excel". With the second call of the function this list doesn't appear any more.

This function is not available under Linux.

### 5.1.9.4 Clipboard

With this function the active list will be copied into the clipboard. Most spreadsheet application can insert the clipboard into an open table.



**Note:** After exporting the values in this program, you must insert them in the spreadsheet application. You can use other applications, too.

### 5.1.9.5 HTML

This function gives you the possibility to create one or more web pages with your model collection. This program creates the necessary pages for you.

For the creation, you have to enter the main page, first. This will be done with a file dialog, so you can enter an individual file name. In the chosen folder all files will be saved. Therefore it is a good idea to create a new folder, before.

The main page contains all chosen models. The columns will be defined in the preferences (see chapter 4.3.6). If there are columns with pictures, you see a preview of the picture. With a click on the preview the original picture will be opened. If a column of the table "History" was chosen in the preferences (see chapter 4.3.6) a corresponding column will be added. Contains the model information about the history, you see "Detail..." in the column. With a click to this link, you get a new page with the history. In the same way works the tables for spare parts and life cycle.

**Note:** The name of a file is unique for each entry in the database. Also, if you export a model a second time, this name will be used. This helps you, when you upload the files to a server.

### 5.1.9.6 PDF

With this menu point the active list or graphic is exported in a PDF file. After selection of this function a dialog appears where you enter the necessary parameters (paper size, orientation, font, size ...). The appearance may differ from a direct print out.

**Note:** On some Linux systems the printout may be bad. The problem comes from a problem in the used framework, which we can't solve. With the option to print into a PDF file this problem is solved. Only the fonts from the PDF dialog can be used. If other fonts are used (e.g., notice) an automatic substitution will be done. With activated option "Redirect print output to a PDF file" (see chapter 4.3.2) this function will be used for all prints.

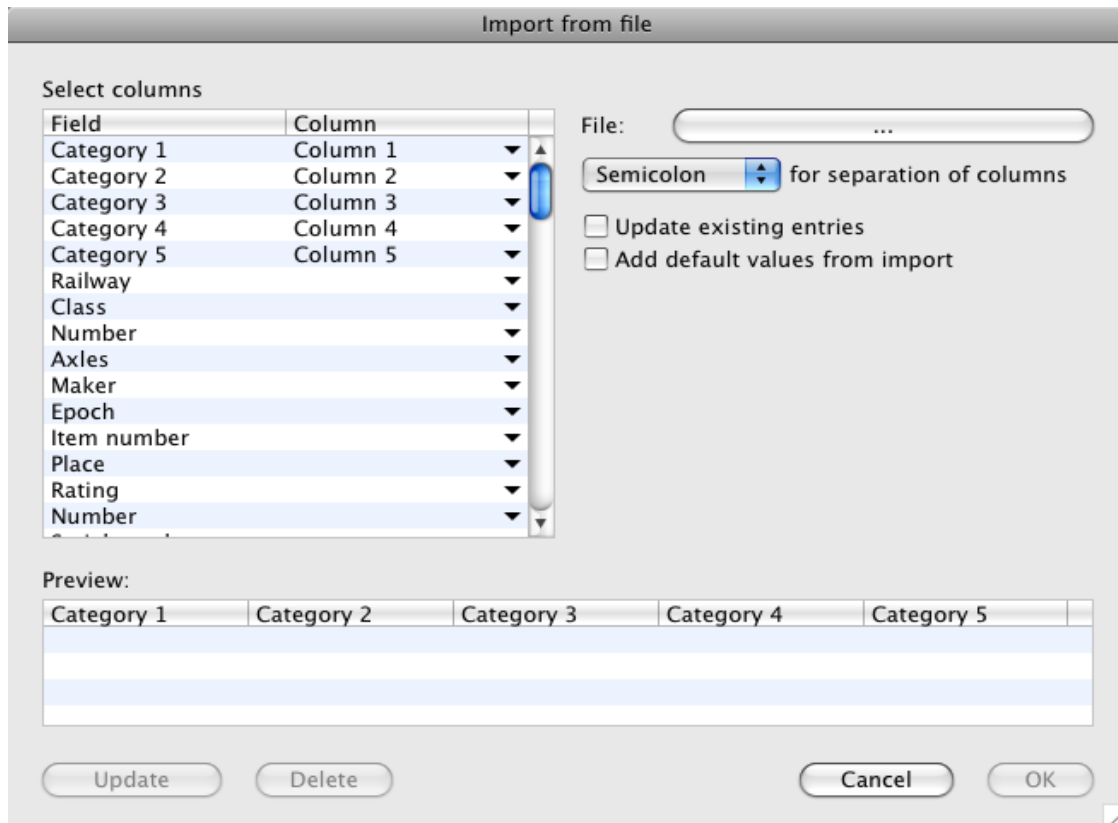
## 5.1.10 Import

Train data can be imported from a file (text or XML) or an open "Excel" sheet. From most spreadsheet applications, you can transfer the values via the clipboard, too. Normally, the import has the same format as the corresponding list. But hidden columns are imported, too. So it is a good idea to export the list, first. Then you have an example.

**Note:** "Mac-MoVe" ("Win-MoVe", "Lin-MoVe") checks the import for known errors. Nevertheless it is not possible to exclude all possible errors. Therefore, you should make a backup of the database before you start the import. In many cases the errors do not arise in the first lines. Examine therefore the complete list for possible errors, please.

### 5.1.10.1 File

With this menu point, you import train data from a flat text files. After opening, you see to the following dialog:



**Image 16: Import from File**

- **Select columns**

With this list, you define the assignment between columns and fields. There the list contains all available fields. By clicking on a line, you get a context menu with the available columns. After selecting a column, the name appears in the second column of the list. You can change this assignment always.

**Note:** You must import at least the columns for the categories.

- **File**

With the Button "File", you select the import file. This can be each text file with appropriate values. After selection of the file, the file name appears instead of "..." in the Button. While opening the file, a preview will be created. In most cases, you will see fields with a red background. This is a sign, that there is an error in the import file or the allocation. In the next step you must change the value in the import file or the allocation. Only if there are no fields with a red background, you can import the file.

- **...usage for separation of columns**

With this popup-menu, you select the separator between the columns of the import file. After a change of the separator, you must refresh the preview with the Button "Update".

- **Update existing entries**

If this check box is active, the program checks whether the model, to be imported, already exists. As criterion serve the fields "Class", "Maker", "Item number", "Number" and "Serial number". If the model exists exactly one time, it is shown in the list with blue text. During the import, the corresponding records will be removed from the database, first. Then the import will take place.

- **Add default values from import**

If you import data from another installation, there may be some additional default values. Without this option, you have to define these values in the preferences (see chapter 4.3.5), before you import new trains. With activated option, the necessary default values are automatically added.

**Note:** The additional default values are entered while creating the preview.

Categories are not concerned by this option. These must be defined within the preferences (see chapter 4.3.4) before you import data.

The automatic creation of default values does not create notices of the default values.

- **Column allocation**  
Within this area, all columns of the list are shown. With the popup-menu right from each column title, you select the column in the import file. To rebuild the preview, you must press the Button "Update".
- **Update**  
You can correct and store the import file again with another program, while this dialog is open. To update such changes in the preview, this Button must be pressed. This function is very helpful to eliminate errors in the import file.
- **Delete**  
With this Button, you delete a line from the preview. This line will not be imported any more. But the original file will not be changed. Therefore the line appears again, if you press the Button "Update".
- **OK**  
You can start an import only, if there are no errors in the preview. The import cannot be cancelled. The imported dates appear in the current list.

### 5.1.10.2 XML

With the help of XML-files, you can import all information of a model. The source for such an XML-file may be the export of this program (see chapter 5.1.9.2) or another application.

After opening this dialog, the XML file to be imported must be selected, first. During the import the file is examined for possible errors. All recognized errors are shown in the error list. These errors must be corrected in the import file. You see the reasons and location of the errors in the list. After a correction, you can reimport the file with the Button "Update".

If the checkbox "Update existing entries" is active, this program checks if the model exists in the database. To decide if a model exists; the following field will be used:

- Class
- Maker
- Item number
- Number

Only if a model is **exactly one time available**, it will be updated.

Like the import from a file (see chapter 5.1.10.1), you can add new default values automatic. Therefore you have to activate the option "Add default values from import".

Because it is not possible to include pictures into the XML-file, the pictures must be available during the import. If only the name is stored in the XML-structure, the picture must be in the same folder as the XML-file. You can also store the absolute path (not shell path) of the picture in the XML-Structure.

### 5.1.10.3 Excel

The import from Excel is similar to the import from a file. But the data to import must be in an open Excel sheet, instead of a text file. The data will be read until the first line without values. With the call of this function a dialog opens, similar to the import from a file. Only the Button for the selection of a file and the popup-menu for the selection of the column separator are not available. The further treatment is the same as with the import from a file (see chapter 5.1.10.1). Under Windows the OLE interface is used for the communication with Excel. On the Macintosh, AppleEvents are used.

**Note:** With the first call of the function, you may get a list with different applications (only Macintosh). In this case the Macintosh could not find "Excel". Please select in this list your current installation of "Excel". With the second call of the function this list doesn't appear any more.

This function is not available under Linux.

#### 5.1.10.4 Clipboard

If you use another spreadsheet application then Excel, you can use the clipboard to import values into this program. Therefore, you mark the area, you want to import in the spreadsheet application, first. Then you copy the selection into the clipboard. After that, you start this menu point. While opening, the clipboard will be analyzed and inserted into the list. With "Update" this step will be done, again. The further operation does not differ from the import from Excel (see chapter 5.1.10.3).

**Note:** The values must be available in the clipboard, before you start this function.

#### 5.1.11 iPhone / iPod touch

With this point, you control the communications with an "iPhone" or an "iPod touch". This is described in the chapter 4.7 in detail.

#### 5.1.12 Load Pictures from Web

With this function, you load pictures from a web server into the current model. This works only if the picture can be fetched by a link (URL). Parts of this link can be adapted by the data of the model (e.g. Article number). Nevertheless it is possible that not all necessary links can be build by the variables, only. So you can define up to 9 different links.

Under this point are 10 sub menus. The first nine corresponds to the links. You can call one of these points from within the dialog to enter models. With the last point ("Config"), you administer above points. For every link exist a field "Name", where you enter a name for this link. This name appears in the menu for this link. In the field "URL", you enter the link to access the picture. To fetch different models with the same link, you can enter variables (maker, item number...) in the link. These variables are filled during the fetch with the information from the current model. Variables are given in sharp clips. All available variables can be selected from the popup-menu on the right side of the input field.

A link entry may look as follows:

<http://www.pictureserver.de/pictures/<Maker>/<Item number>.jpg>

If you entered "Arnold" as maker and "7013" as item number the following link will be used:

<http://www.pictureserver.de/pictures/Arnold/7013.jpg>

This picture will be loaded from the server and inserted into the current picture. Then it behaves like a picture pasted from the clipboard.

#### 5.1.13 Backup

All data are stored in a central database. To avoid a lost of these data, you should backup this file (e.g. "Trains.rsd") in regular intervals.

**Note:** Never use the same physical media (e.g. internal hard disk) as a target for the backup. If this media is defect, the backup will be lost, too.

If you use a database-server, this backup-function doesn't work. Please use the backup-function of the database-server, instead.

You can use existing tools (e.g. Backup of Apple) to backup your data, or let this do by "Mac-MoVe" ("Win-MoVe", "Lin-MoVe"). In the preferences (see chapter 4.3.1), you can select the period for the backup. With this menu point you start the backup manually. The times given in the preferences are updated.

### 5.1.14 Quit

Hereby, you quit the program. All changes will be saved automatically. If you activated an automatic backup, the program checks if it is to be done now.

## 5.2 Edit

### 5.2.1 Cut

This point is in all dialogs active. You can copy and delete the selected text into the clipboard.

### 5.2.2 Copy

This point is in all dialogs active. You can copy the selected text into the clipboard. In lists the selected line is copied into the clipboard. The columns are separated by semicolon.

### 5.2.3 Paste

This point is in all dialogs active. If there is a text in the clipboard, it is copied into the text field.

### 5.2.4 Delete

In some lists, there is a Button "Delete". If it is active, you can delete the selected data with this point, too.

### 5.2.5 Select All

With this point, you select all lines of a list. Or, if the notice is shown, you select the entire text of this field.

### 5.2.6 Find

In the main list and reports, you can search for text. The dialog looks as follows:



**Image 17: Find**

With the left popup-menu, you select the column, in which you want to search. If you like to search in all columns of the list, you must select the first entry ("All Columns"). With the middle selection, you specify the search type. There are the following options:

- Contains
- Is like
- Starts with
- Ends with

The search is done by comparing the two texts. Also numbers are interpreted as text. In the text field, you enter the searched text. With "Find" the search starts in the first line of the list. If in the active list an element can be selected, and the search is successful, the result is selected. If no element can be selected in the list, the appropriate line will be displayed, without selecting it.

### **5.2.7 Find again**

With this function, you can search for the next line in the list. Before you can use this function, you have to use the menu point "Find", to find the first line. If this function reaches the end of the list, you will hear an alert sound. The next call starts at the top of the list, again.

### **5.2.8 Preferences**

Before the beginning of your work, you must configure this program in the preferences. Some points can't be changed without lost of data. You open the preferences with the menu point "Preferences" from the menu "Mac-MoVe" (Windows/Linux: "Edit").

You find a detailed description of all points in chapter 4.3.

## **5.3 Reports**

You can present the entered data with some nice graphics. Each graphic depends on one (or more) fields. So the corresponding graphic makes only sense, if the field is used. Depending on the used data, the calculation may take a long time. So it is a good idea, not to open all reports at the same time.

### **5.3.1 Costs**

This menu point provides a graphic overview of the costs during the last 48 periods (months or years). It is based on the field "Purchase price". If the option "Include spare parts" is active, the costs of the spare parts are included. The date for the calculation is the date of the corresponding history entry.

You can select between annual and monthly reports. In addition, the selection can be limited to trains, makers, places or categories. After changing one of these fields, you must press the Button "Update" to re-create the list. Additionally to the standard functions, you can use the Button "Close" to close this window.

### **5.3.2 Earn**

This menu point provides a graphic overview of the earnings (without spare parts) during the last 48 periods (months or years). It is based on the field "Sales price".

You can select between annual and monthly reports. In addition, the selection can be limited to trains, makers, places or categories. After changing one of these fields, you must press the Button "Update" to re-create the list. Additionally to the standard functions, you can use the Button "Close" to close this window.

### **5.3.3 Price**

This menu point provides a graphic overview of the current price during the last 48 periods (months or years). It is based on the field "Current Price".

You can select between annual and monthly reports. In addition, the selection can be limited to trains, makers, places or categories. After changing one of these fields, you must press the Button "Update" to re-create the list. Additionally to the standard functions, you can use the Button "Close" to close this window.

### **5.3.4 Catalog price**

This menu point provides a graphic overview of the catalog price during the last 48 periods (months or years). It is based on the field "Price".

You can select between annual and monthly reports. In addition, the selection can be limited to trains, makers, places or categories. After changing one of these fields, you must press the Button "Update" to re-create the list. Additionally to the standard functions, you can use the Button "Close" to close this window.

### **5.3.5 Purchase price**

This menu point provides a graphic overview of the purchase price during the last 48 periods (months or years). It is based on the field "Purchase price".

You can select between annual and monthly reports. In addition, the selection can be limited to trains, makers, places or categories. After changing one of these fields, you must press the Button "Update" to re-create the list. Additionally to the standard functions, you can use the Button "Close" to close this window.

### **5.3.6 History**

This list gives an overview of all entered activities. In addition to the activities, the information of the concerned train is shown.

You can limit the selection to a single train, maker, place or category. After changing one of these fields, you must press the Button "Update" to recreate the list. Additionally to the standard functions, you can use the Button "Close" to close this window.

### **5.3.7 Spare parts**

This list gives an overview of all entered spare parts. In addition to the activities, the information of the concerned history and train is shown.

You can limit the selection to a single train, maker, place or category. After changing one of these fields, you must press the Button "Update" to recreate the list. Additionally to the standard functions, you can use the Button "Close" to close this window.

### **5.3.8 Categories**

The report shows interesting sums (number, topical value...), grouped by categories. With a click on the triangle (Windows: Plus sign) the next level will be shown (or suppressed). For every element, the sums are calculated again. In this way all category levels can be shown and suppressed.

In addition to this classification, a period can be entered. With this, models of a special time period (purchase date) can be selected. You can enter the begin date, end date or both. If you enter at least one of these values, only models, which fulfill the criteria, are used for calculation. Models with no purchase date are not included if at least one date is entered in this dialog.

With the two Buttons ("+", "-") on the lower left side of the dialog, the whole list can be shown or suppressed. If you press the Button with the plus sign all categories will be shown. This may take a long time. Additionally to the standard functions, you can use the Button "Close" to close this window.

### **5.3.9 Marshaling**

This report shows all defined trains with the assigned models. With a click on the triangle (Windows: Plus sign) you can show and suppress the assigned models.



In addition, you can reduce the output to some other criteria. For example, you are able to reduce the put to one epoch.

With the two Buttons ("+", "-") on the lower left side of the dialog, the whole list can be shown or suppressed. If you press the Button with the plus sign all models will be shown. This may take a long time. Additionally to the standard functions, you can use the Button "Close" to close this window

### 5.3.10 Speedometer

With this dialog, you determine the real speed of a model train. For the determination, you need to measure a part of your track. Enter the value in the field "Distance". Select a part, where you see the start and end point. The longer the distance is, the more exactly becomes the measurement. For the conversion on the real speed, you must enter the scale in the field "Gauge".

Then you start the test train. As soon as it reaches the beginning of the test track, press "Start". Now the time is running. The other values make now no sense. As soon as the train the passes the end point press "Stop".

Under the time, you see the speed of the model, as it moved on the track. On the right side this speed was converted to the speed of the original. In most cases this speed is for a visitor to slow. Therefore, the standards of European model railways 661 define for every gauge size a correction factor. In the field "Correction" you see the speed how viewers of the model train would feel the speed.

## 5.4 Other

Depending upon the operating system, you find the following menu points in:

- "Mac-MoVe"-Menu (MacOS X)
- Help (MacOS X / Linux)
- "?"-Menu (Windows)

Not all menus are on all operating systems available.

### 5.4.1 About Mac-MoVe / Win-MoVe / Lin-MoVe

This point opens a dialog with the following information:

- Version number
- With unregistered version, the remaining time for testing the program.
- With registered version, the name, to which the program is registered.

### 5.4.2 Check for Updates

Not everybody wants to check for updates during every start of this program. With this menu point, you start the check manually. The following steps correspond to those of the automatic check (see chapter 3.4).

### 5.4.3 Order

This point links you to the [Online-Shop](#) of [MC Richter GbR](#). Here, you can order "Mac-MoVe", "Win-MoVe" and "Lin-MoVe". We use the shop system from Kagi, which offers different ways (credit card, cheque...) of payment. Of course, you can transfer the registration fee direct to us. For details see chapter 8.



#### **5.4.4 Registration**

In this dialog, you enter the registration information. After payment, you get a Mail, which contains two values (see chapter 8). You must enter these two values in this dialog. For details see chapter 8.

#### **5.4.5 MC Richter GbR on the Web**

Hereby, you start the standard web browser with the web page of [MC Richter GbR](#). There you find more information about "Mac-MoVe", "Win-Move", "Lin-Move" and the other products [MC Richter GbR](#).

#### **5.4.6 Mail to MC Richter GbR**

With this point, you open a new [mail](#) to [MC Richter GbR](#) in your standard mail program.

#### **5.4.7 Mac-MoVe / Win-MoVe / Lin-MoVe on the Web**

Hereby, you start the standard web browser with the web page of "Mac-MoVe" ("Win-MoVe", "Lin-MoVe"). There, you find more information about "Mac-MoVe", "Win-MoVe", "Lin-MoVe" and the other products of [MC Richter GbR](#).

#### **5.4.8 Forum of MC Richter GbR**

In this [forum](#), you find additional information about our products. It is only in German language available.

#### **5.4.9 Mac-MoVe / Win-MoVe / Lin-MoVe Help**

With the point ("Help"), you start the online manual. This contains the complete manual, like the one in the Adobe Acrobat file (PDF) format.

## 6 Files

This program is available for MacOS X, Windows and Linux. Resulting from this, not all of the following files are necessary. Some files, like the user guide, are in German and English language available.

- **Mac-MoVe X.app / Win-MoVe.exe / Lin-MoVe.app**  
This file contains the program for the corresponding operation system.
- **Win-MoVe Libs / / Lin-MoVe.app Libs**  
This folder contains additional libraries for "Win-MoVe" and "Lin-MoVe".
- **Resources**  
This folder contains language information for "Win-MoVe" and "Lin-MoVe".
- **User guide.pdf / Handbuch.pdf**  
This file contains the user guide as Adobe Portable Document File (PDF). It can be read and printed for example with the program "Adobe Acrobat Reader". It is not necessary for the program execution.
- **Trains.rsd / Modelle.rsd**  
This is the name of the database, which is suggested in the file dialog. You can move this file into every other folder. After moving the file and starting the program, you are asked for the current folder. The same applies, if you change the name of the database.

**Note:** If you use "Mac-MoVe", "Win-MoVe" or "Lin-MoVe" on different computers, you must copy this file to the other computer. Please pay attention to use always the current version of the file.

The database can be used by "Mac-MoVe", "Win-MoVe" and "Lin-MoVe" without any conversation.

- **Mac-MoVe (Pref.) / Win-MoVe.ini / Lin-MoVe.ini**  
The file "Mac-MoVe (Pref.)" is used by MacOS X. It is placed in the so-called Preference folder. Alternatively it can be put into the program folder. On Windows it ("Win-MoVe.ini") is placed in the Windows directory, or in the user directory. This depends on the used version of the operating system. Linux stores this file ("Lin-MoVe.ini") in the user directory. If the file was deleted, you are asked, during the next program start, for the path of the database file. Thereby no data are lost.
- **MacMoVeLog.txt / WinMoVeLog.txt / LinMoVeLog.txt**  
This file is created during each program start in the same folder than "Mac-MoVe (Pref.)" / "Win-MoVe.ini" / "Lin-MoVe.ini". It contains information for debugging and will be recreated by every program start. If an error occurs, I can read important information from this file.
- **Help.vv / Hilfe.vv**  
This file contains the online manual. If the file doesn't exist, this manual cannot be used.
- **iPhone (Deutsch) / iPhone (Englisch)**  
This folder contains the program for the "iPhone" ("iPod touch").

## 7 Versions

In the last versions the following important functions were implemented:

- **Version 1.0**
  - **First Version**

This is the first public version. I manage my complete model train collection with it.
- **Version 1.1**
  - **Find all columns**

Now, the search functions search all columns in one pass.
  - **Usage on several computers**

For the protection of usage on different computers at the same time, so-called Semaphore are used.
- **Version 1.2**
  - **Pictures in database**

The pictures, associated to a model, are stored in the database, now. With this feature the additional folder with the images is not necessary any more.
  - **Optimization of dialogs for windows**

The dialogs were optimized for windows.
- **Version 2.0**
  - **Universal Binary**

This version is available as Universal Binary for Macintosh with Intel processors.
  - **Information about Original**

Information about the original can be managed, too. This includes the life cycle.
  - **Notice**

For each model, a formatted text of unlimited size can be attached.
  - **Additional pictures**

For each model up to 4 pictures can be stored.
  - **Abstract**

The abstract prints all stored information - line by line.
- **Version 2.1**
  - **Optimization of the design under Linux**

The design of all dialogs under Linux can be entered in the preferences.
  - **Auxiliary window to input values**

With an auxiliary window values can be entered in other units.
- **Version 2.2**
  - **Automatic update**

"Mac-MoVe" and "Win-MoVe" can update the program and all necessary files automatic. On Macintosh this works only with MacOS X 10.4 and later.
  - **Export title**

An optional line with the name of the columns may be added to the export.
- **Version 2.3**
  - **HTML-Export**

You can export the whole collection into HTML files. This can be used for an online presentation.
  - **XML-Export / Import**

XML files contain now all information of a model. Only pictures will be stored in extra files, but they are linked in the XML-structure.

- **Production time**  
The time period, when the model was produced can be entered.
- **Categories**  
This list shows interesting sums grouped by categories.
- **REAL SQL Servers**  
This program supports now the "REAL SQL-Server".
- **Version 2.4**
  - **Additional information for default values**  
For some default values (e.g. dealer, era), you can store additional information.
  - **Load pictures from the Web**  
You can download pictures from a web-server.
  - **Synchronization of the database file**  
When using semaphore, you can synchronize the database file, too.
- **Version 3.0**
  - **Administration of default values from corresponding popup-menu**  
Now, you can administer the default values from the corresponding popup-menu, direct.
  - **Import and export via clipboard**  
Beside Excel, and text files, you can use the clipboard to transfer values from and to lists.
  - **Documents**  
In addition to the values in the fields, you can add documents (pictures, files, web pages, notes) to a model.
  - **Update of models**  
In all import functions, you can update existing models with the imported one. This allows the exchange between different installations.
  - **PDF**  
Permanent or individual output of all outputs to a PDF file.
- **Version 4.0**
  - **Automatic creation of default values**  
During the import, you can create the default values automatic.
  - **Reduce image size**  
With this function, you reduce the size of images, stored in the database.
  - **Enhancement of function (digital)**  
As many as desired functions can be stored now to a model.
  - **Additional fields**  
There are additional fields for the model available.
  - **Marshaling**  
With this function, you assign a model to a train. By selecting the train one gets only models for this train.
- **Version 4.1**
  - **Select multiple lines**  
You can select multiple lines of a list, now.
- **Version 4.2**
  - **Clipboard**  
You are able to copy line of a list via the clipboard to another model, now.
  - **Wizard for dialogs**  
To optimize the display of elements within dialogs under Linux, a special wizard is available.

- **Date format**  
Because there were problems with "exotic" date formats in the operating system, now this is defined in the preferences.
- **Printing of lists**  
Instead of adapting the complete list to the sheet width, now the column width in the dialog is used.
- **Report "Marshaling"**  
This report is based on the tab "Marshaling" in the model and shows all possible train.
- **Version 4.3**
  - **Change of the file path of attached documents**  
If attached documents were moved, it may occur that it not possible to open them. Now, you get a dialog to select the new destination. After the selection, you can decide to change all similar documents, too.
  - **Speedometer**  
With this function, you determine the sped of the model and the original.
  - **iPhone / iPod touch**  
An "iPhone" or "iPod touch" can now be used for the mobile inquiry.
- **Version 4.4**
  - **Spare parts**  
All entered spare parts can now be shown when entering new ones.
  - **Styles for text**  
You are able to use different Styles (font, size, color...) in the description and in the notes.
  - **English and German version in one package**  
The download package contains now the German and English version.
- **Version 4.5**
  - **Optimization of automatic serial number**  
the suggested serial number is now always the next number of all models. As a consequence of this, only numbers can be used for an automatic serial number.
  - **Formulas**  
In much fields you can enter a formula instead of a value.

## 8 Registration

This software is Shareware. It may be copied and used by everyone. However, copy always the original version, together with this user guide.

You can use this program 60 days without registration. Without registration the access to the database is locked after this period. Only with the registration, the access will be unlocked. The registration allows you to use "Mac-MoVe", "Win-MoVe" and "Lin-MoVe" for an unlimited time. During the test phase, you can use the complete program, without the export functions.

With the registration, you get the right to use this program for an unlimited time. This is applicable to the programs "Mac-MoVe", "Win-MoVe" and "Lin-MoVe". If you change the operating system, you don't need to pay again. Only if several person work at the same time with this program, you must pay again.

### 8.1 Payment

You can pay the registration fee with the shop from Kagi:

[http://store.kagi.com/cgi-bin/store.cgi?storeID=C7\\_LIVE&&lang=en](http://store.kagi.com/cgi-bin/store.cgi?storeID=C7_LIVE&&lang=en)

or with a bank transfer (17 Euro) to our account:

Volksbank Darmstadt Kreis Bergstraße eG  
Inhaber: Claudia und Manfred Richter  
Konto-Nr.: 51116704  
BLZ: 508 900 00  
BIC: GENODEF1VBD  
IBAN: DE58508900000051116704  
Ort: 64283 Darmstadt

The description on a bank transfer is often truncated. Therefore it is necessary to send the address information (mail or postal address) additionally (by Mail). After reception of the money, I send you a mail (or letter) with the code for the registration.

**Note:** The description on a bank transfer is often truncated. Address information, indicated there, is therefore often incomplete.

Please note, that I don't make this job as a full-time job. Normally the registration should be within some days in your mailbox. Due to temporal bottlenecks (travel, vacation...) of mine it may take sometimes a little bit longer.

### 8.2 Contact

If you have suggestions for this program, any errors found or other questions, please contact us.

**Our address:**

MC Richter GbR  
Manfred und Claudia Richter  
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