

Mac-MoVe

Win-MoVe

Lin-MoVe

mc richter

software-entwicklung,
coaching und service
rund um's büro

Mac OS X, Windows und Linux

CONTENT

Content	1
Introduction	4
Notes	5
General notes	5
About this user guide	5
Installation	6
Requirements	6
First installation	6
From the store	7
App Store by Apple	7
Store by Microsoft	7
Download from our homepage	7
xMoVe and Mac-MoVe	8
Several computers	8
Database-Server	8
Semaphore	10
Update	11
First steps	13
Usage	13
Dialogs	13
Lists	14
Pictures	14
Starting the program	15
Create database	15
Registration	16
Preferences	16
General	17
Output	18
Export	19
Categories	20
Default values	22
Lists	23
Insert first trains	24
Model	25
Digital	26
Original	27
Marshaling	27
Notice	28
Documents	28
Main list	29
Reports	29
iMoVe	30

Synchronization.....	30
Usage of a file	30
Direct Synchronization	31
Usage	33
All menus	34
File	34
Database.....	34
Close	34
Page setup.....	34
Print	34
Print Abstract.....	35
Reduce image size	35
Reorganize.....	35
Export.....	35
Text-File	36
XML-File	36
Microsoft Excel.....	37
Clipboard	37
HTML-File.....	37
Acrobat PDF	38
Database.....	38
Import.....	38
Text-File	38
XML-File	40
Microsoft Excel.....	41
Clipboard	41
Database.....	41
Synchronize with iOS	42
Load Pictures from Web.....	42
Backup	42
Quit.....	43
Edit	43
Cut.....	43
Copy.....	43
Paste	43
Delete.....	43
Select All	43
Find.....	43
Find again.....	44
Preferences.....	44
Reports	44
Costs.....	45
Earn	45
Price.....	45
Catalog price.....	45

Purchase price.....	46
History	46
Spare parts	46
Categories	46
Marshaling.....	47
Speedometer	47
Other	47
About	47
Check for Updates.....	48
Registration	48
MC Richter GbR on the Web.....	48
Mail to MC Richter GbR	48
Web	48
Forum.....	48
User guide.....	48
Files.....	49
Versions	50
Payment	54
Contact.....	55

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, 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.

With "iMoVe" you get the possibility to administer all data on the iPad or iPhone. Here, you see the data and can enter changes. With the synchronization, both systems are always up to date.

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

NOTES

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.
- 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 this program. 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.**

About this user guide

This program is available for macOS, Windows and Linux. For Macintosh computer the program name is "xMoVe" ("Mac-MoVe"). For Windows users, the programs "Win-MoVe" and "WinMoVe" are 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 macOS. On the other operating systems, they differ only insignificantly. All major changes since the last version of this user guide are marked. Important information is highlighted in gray.

This user guide is located within the program folder. But you can open it from the help-menu of the program, too.

INSTALLATION

Requirements

The following operating systems are supported:

- **Macintosh**
 - Intel based Macintosh
 - 64 Bit hardware
 - macOS 10.10
 - 2 GB main memory
 - 1 GB free space on hard disk
- **Windows**
 - Windows 7 SP1
 - 2 GB main memory
 - 1 GB free space on hard disk
- **Linux**
 - 64 Bit Linux
 - Officially supported distributions
 - Linux Mint 18 or later
 - Ubuntu 16.10 or later
 - Debian 6.0 or later
 - OpenSUSE 11.3 or later
 - Fedora 13 Desktop or later
 - CentOS 7.0 or later
 - 2 GB main memory
 - 1 GB 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, this program 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.

First installation

You can download the program directly from our website. As an alternative, you are able to load it from the store from Apple or Microsoft.

From the store

App Store by Apple

You can download "xMoVe" from the Store from Apple. The advantage is that there is no further installation necessary.

With the App Store, there are a few limitations. As a result, "xMoVe" does not provide all the features of "Mac-MoVe". This primarily relates to the treatment of the database to store the entries. For most users, this is irrelevant.

Store by Microsoft

In the Windows Store, "WinMoVe" is available. The advantage is, that there is no further installation necessary. With the Store, there are a few limitations.

Download from our homepage

If you loaded this program from our website, a few steps are necessary. "Mac-MoVe" and "Lin-MoVe" are provided as an archive that you have to unpack. It contains all necessary files. You can move this directory to any folder on the hard disk. It is useful to create now an alias (Linux: Link) of the program on your desktop or any other place you want.

For "Win-MoVe" an installer is available, which creates the necessary files on the hard disk. In addition, the entries in the Start menu, desktop and the quick launch bar will be created.

The package contains the English and the German version.

During startup 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).

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.

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 can't 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.

xMoVe and Mac-MoVe

If you downloaded "xMoVe" from the App Store from Apple, you have no direct access to the database file. Therefore, you are not able to use it on several computers.

Do you want to use these functions; you have to switch to "Mac-MoVe". First, you must export the database. Then you install "Mac-MoVe". After the first start, select the exported database file.

If you worked with "Mac-MoVe" and wants to work now with "xMoVe", you must import the database. With this function, the current database file is copied to the so-called sandbox of macOS. The old database will not be used any more. You can delete it now.

Several computers

The standard installation is for one desktop computer. Nevertheless, there are two different ways to use it on several computers. With the usage of a database-server, several users can access the data at the same time. This is not possible by using the semaphore. Here, only one person can use the data at the same time. On the other side, nobody must administer the database-server.

"xMoVe" works with an internal database. This is stored within the so-called sandbox. Therefore, the functions described in this chapter are not available.

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 "cubeSQL" and "PostgreSQL". The cubeSQL Server has the advantage that the same file can be used for the local installation. On the other hand, PostgreSQL can be used free of charge.

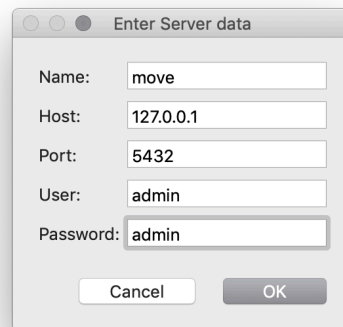
At the moment, cubeSQL can be used with up to 2 connections free of charge (05.2019). You find more information on the homepage of cubeSQL.

If the server is not yet installed, it must be installed and configured. Please use the instructions included with the server. We need an own database on the server for "Mac-MoVe" ("Win-MoVe", "Lin-MoVe"). Please create one. This program will create the necessary tables and in-

dexes. Furthermore, an independent user must be created for each installation of this program. Otherwise data may be lost.

If already a local database exists, select the menu "Database" from "File". Here, you select the server type and "New...". If there is no local database, select the server type from the dialog.

In both cases you get the following dialog:



- **Name**
Name of the database.
- **Host**
TCP/IP address of the database-server.
- **Port**
At the SQL server entered port (cubeSQL: 4430 / PostgreSQL: 5432).
- **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.

Only experienced users should use this concept. We can't support the server.

The integrated functions for backup can't be used. The backup must be done by the server.

For each instance of this program an own user must exist on the server. If two instances use the same user, you may lose data.

Two persons must not edit the same entry at the same time.

With a change from PostgreSQL to a local database, the data can be copied to the local database. When using cubeSQL, the file from the server can be used local - without conversation.

Semaphore

If you use "WinMoVe", this function is not available.

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.

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, one of the following text files

- 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.

To protect against malware, macOS does not place a downloaded application directly into the folder that is displayed. This prevents Mac-MoVe from accessing the configuration file. To solve this problem, copy the application into another folder.

The file must include the following lines:

- Complete path of semaphore file
- Complete path of database file on the server
- Terminal command to mount the server
- Terminal command to eject the server

The first line contains the name and complete path of the semaphore-file on the server. If the second line is not empty, this program synchronizes the database file with the given file on the server.

The following two lines can be used to execute a terminal command. This can be either a single command or a script. The command in the third line is executed before reading the semaphore file. Typically, it is used to mount the server. The command in the fourth line is executed after the test. This is useful when the server is to be ejected, again.

Under macOS, a program with a graphical user interface can be started with the command "open -a <program>". This can be, for example, a program created with the script editor.

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

```
Richters Server:MacMoVeSema
Richters Server:Modells.rsd
open -a "/Skripte/Mount.app"
open -a "/Skripte/Eject.app"
```

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 second 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. The two apps on the third and fourth lines are used to mount the server before the test and eject it afterwards.

Only experienced users should use this concept.

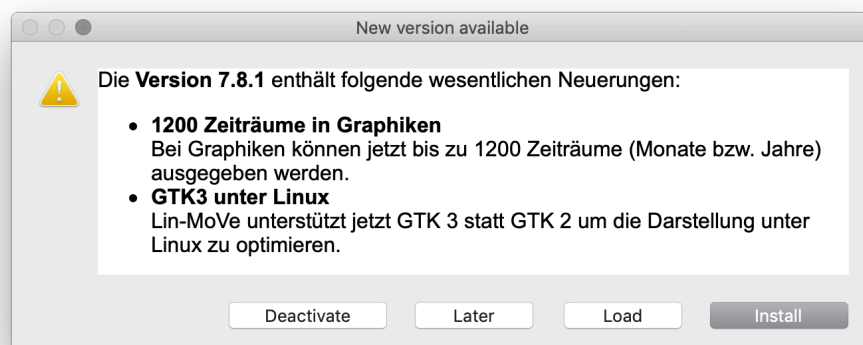
If the file server is not available, you can work with this program, too. In this case, you must check that no other person works with this program and that the database is up to date.

Update

If you use "xMoVe" or "WinMoVe", you will be automatically informed of new versions.

The download version can check for a newer version at each start of the program. It works only with an active internet connection. 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 can't change the network configuration, you must deactivate the automatic update in the preferences.

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



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 Setup¹ program will be started. With macOS, 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.

When using a database-server, the updates are not installed automatically. These must be installed by an administrator at all workstations.

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.

The database should not be in the same folder as the program files.

¹ 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.

FIRST STEPS

In the last chapter we installed this program. Now we must customize it. Afterwards we enter the first trains.

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.

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 Linux, it is not possible to change the background. Therefore the text is shown in red and italics. If mandatory fields are not filled in, a question mark will be displayed.

- 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 (up 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 (up or down) and the command key (Windows / Linux: Control).
- With fields, which contain 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 back to the field. 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.
- With the Button "I" on the right side of 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.

Lists

The behaviour 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 by 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 a line of a list via the clipboard to another model.

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

With all types, the following formats are supported:

- JPEG (Extension: jfif, jpe, jpeg, jpg)
- PICT (Extension: mac, pict, pic, pct, 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. In all cases the original picture is stored in the database and is scaled to the picture area.

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" all the stored images can be reduced.

The database can be used with Windows, Linux and macOS. There may some restrictions with the presentation of the pictures, if the format on the operating system is not supported.

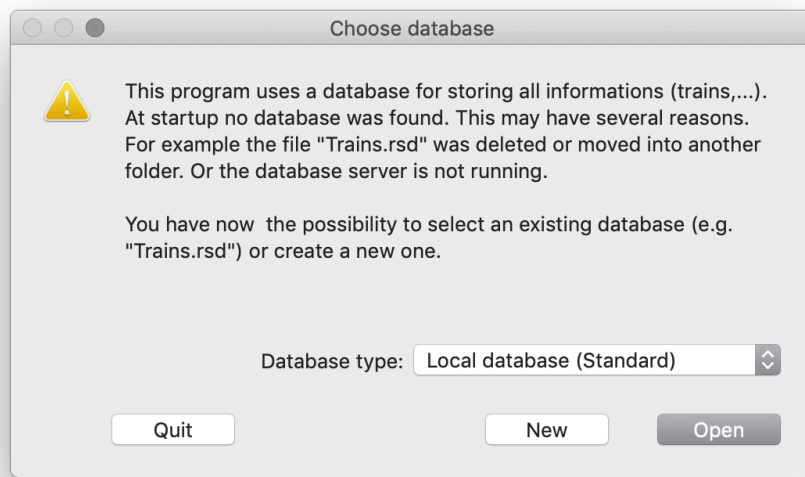
To show the picture in full size, you can use the point "Full size" from the context menu. After selecting this point, a new window with the picture opens. With "Delete", you remove a picture from the database. Saved pictures can be exported from the database on the same ways as the import.

Starting the program

Create database

"xMoVe" works with an internal database. Therefore, the following steps are not necessary.

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



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**
This program 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 server) 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 chose the current database. The new access path is stored in the preference file.

If you select a database-server, you get no file selection dialog. Instead, you get a dialog, where you must enter the connection parameters of your database-server.

Registration

For "xMoVe" and "WinMoVe", no registration is necessary.

This program is distributed as Shareware. This has the advantage, that you can test 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. As long as you don't have such a mail, this dialog will appear during every start of the program.

The image shows a registration dialog box for the software "Mac-MoVe". On the left side of the dialog is a small photograph of a green and white model train on a track. On the right side, the title "Mac-MoVe" is displayed in a large, bold, red font. Below the title, the text "Please enter the data from registration:" is shown. There are two input fields: "Name:" followed by a text box, and "Code:" followed by a text box. At the bottom of the dialog, there are two buttons: "No registration" and "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.

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. Select in this case with the menu point "Open..." the old database.

Preferences

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

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 many digits are on the right side of the decimal point. 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 original. The unit chosen here is used as a standard for all dialogs and lists. Values in other units can be converted into this unit.

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., "Trains.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.

Here, you select the folder for all backups. 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 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.

If you use "xMoVe", this point is not available. You can use TimeMachine to backup your data, for example.

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, 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.

If you use "xMoVe" or "WinMoVe", this point is not available. Updates are provided from the corresponding Store, automatic.

- **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.

- **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.

- **Synchronize with iOS direct**

If you use "iMoVe", you can keep the data of both programs up to date. To do this, you must enable this option and enter the shown IP address in "iMoVe". To avoid conflicts with other programs, you can change the port here.

Output

- **Lists (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 active, 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.

- **Lists / Abstract (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 presentation, your distribution can be selected here. If it is not available, please select a similar one.

If you use "xMoVe" or "WinMoVe", this point is not available.

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.

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.

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

If there are problems while printing under Linux, you can use this 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.

If you use "xMoVe" or "WinMoVe", this point is not available.

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 correspond to the different dialogs (model, history, life cycle...). With these 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**

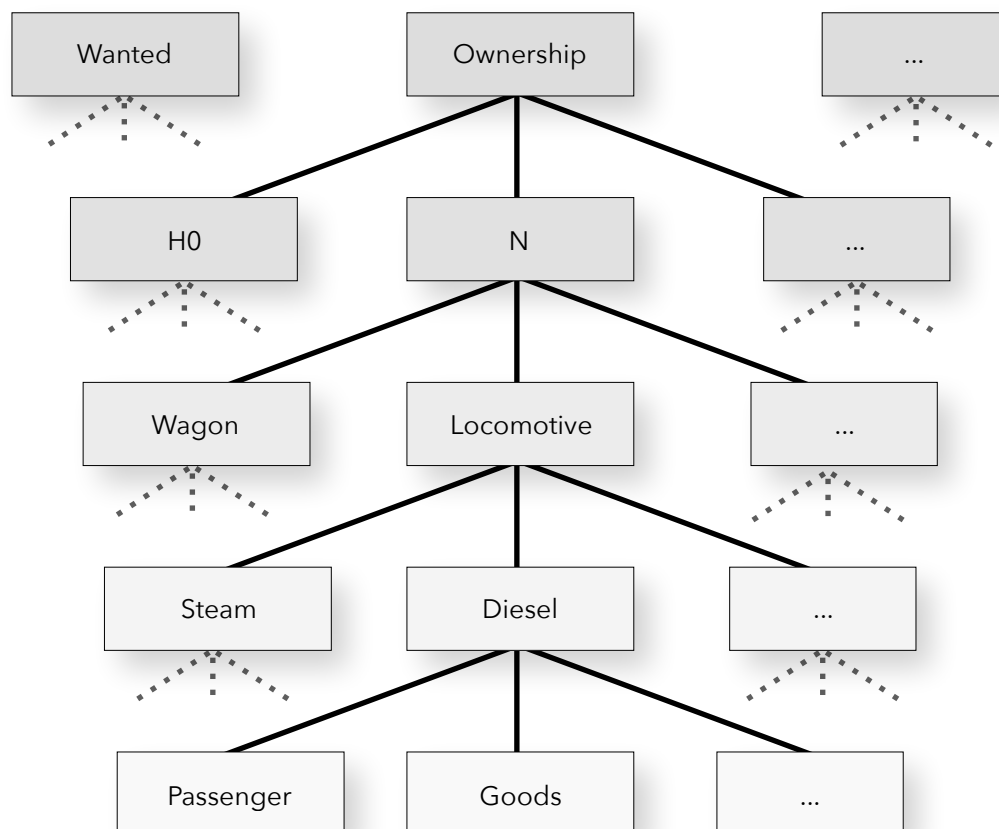
With activated option, an extra line will be exported. This line contains the titles of the columns.

- **Separation for export**

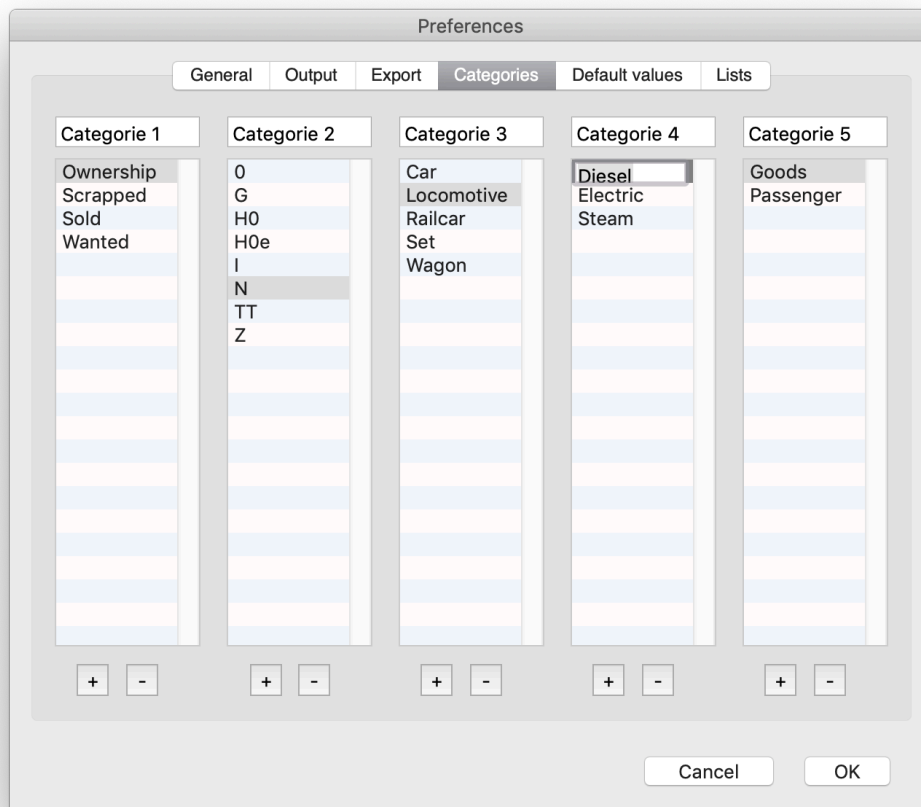
Here, you enter the character to separate the columns in an export file.

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:



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.

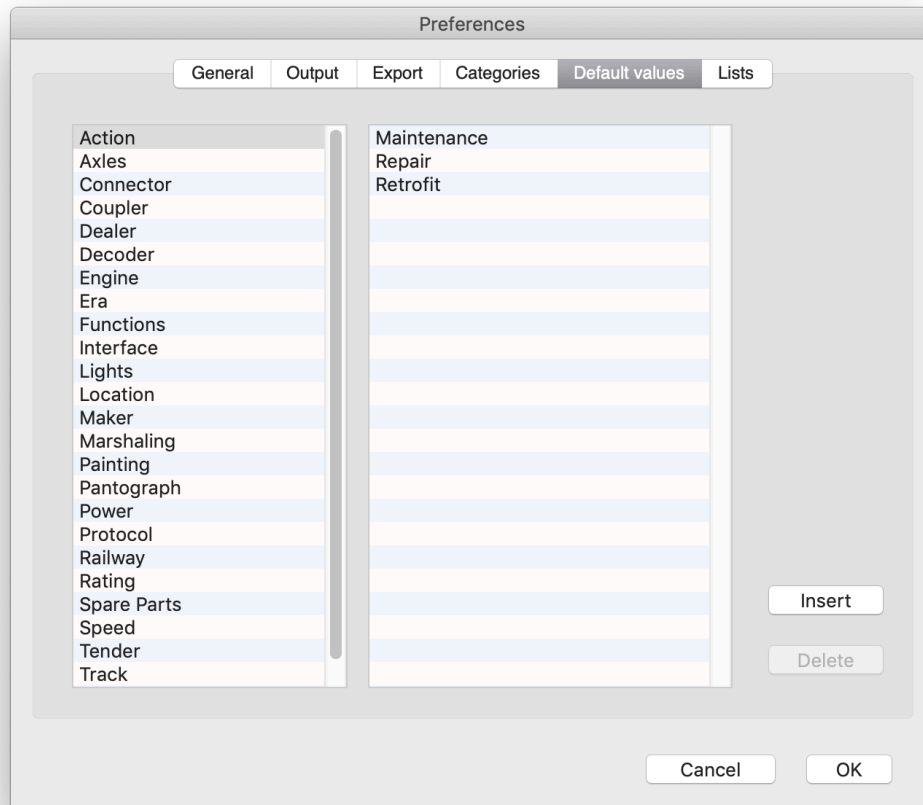
If an entry was marked, before you press the Button "+", all elements under the marked one are copied to the new one.

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.

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.



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.

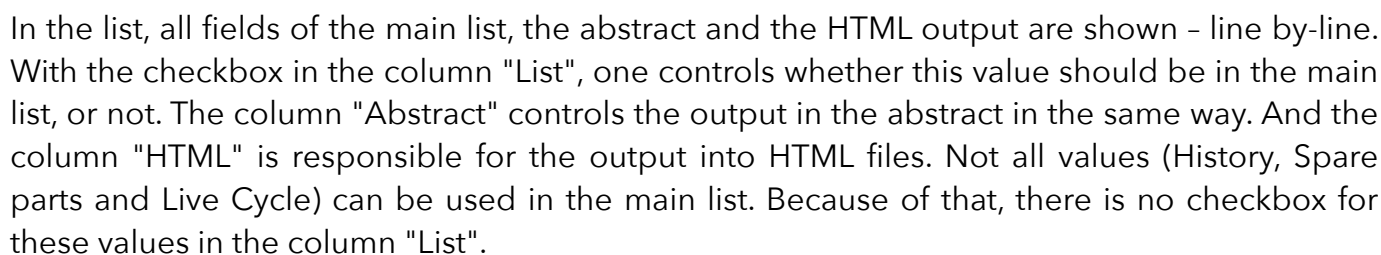
For renaming an entry, one clicks on the appropriate text. Then, one can change it. If an entry is already used, all trains concerned these values are updated automatically. If one wants to add an entry, one must press the Button "Insert". A new entry with the name "New" is created. It can be renamed,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

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.

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

Here, you administer, which values are visible in the main list, the abstract and the HTML export. You also set the order of the values in the lists.



With the two arrow keys on the right side, one changes the order of the fields in the main list, abstract and HTML output. To change the order, you must select the line, first. By pressing an arrow key, the field moves a line higher or deeper. The abstract contains all fields of all lists

(History, Spare parts and Live Cycle), but the elements can't be mixed. So, you can move a field only within one list.

Insert first trains

After all preferences are done, the first trains can be entered. Therefore, you press the Button "Insert" in the main list. The following dialog opens:

The 'Insert Train' dialog box is a complex form for entering train data. It features a top section with five dropdown menus for 'Category' (Ownership), '0', 'Car', 'Diesel', and 'Goods'. Below these are input fields for 'Class', 'Number', 'Axles', 'Railway', and 'Tender'. A tabbed interface shows 'Model' as the active tab, with other tabs being 'Digital', 'Original', 'Marshaling', 'Notice', and 'Documents'. The 'Model' tab contains fields for 'Maker', 'Era', 'Track', 'Rating', 'Production', 'Dealer', 'Painting', 'Pantograph', 'Price', 'Current Price', 'Text', 'Item Number', 'Serial Number', 'Number', 'Traction tire', 'Length', 'Coupler', 'Engine', 'Lights', 'Smoke Generator', 'Original Packing', 'Optimized', 'Flywheel', 'Driven axles', 'Purchase Price', 'Purchase Date', 'Sales Price', and 'Sales Date'. There are also buttons for 'Insert', 'Change', 'Delete', 'Copy', 'Cancel', and 'Insert' at the bottom.

This dialog is divided into several parts. The upper part is always visible and shows general information. Here, you choose the appropriate category 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.

The popup-menus show only entries, which were defined in the categories or default values.

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:

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:

Item	^	Maker Item ...	Number	Total price	Text	5

Here, you select the action (Maintenance, Repair...) from the popup-menu, first. The possible values of this list are specified in the [preferences](#). 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.

If you repaired the model, 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:

Insert Spare Part

Item: Lamp Maker: Item Number:

Single price: Eur Number: 1 Total price: Eur

Font: .AppleSystemUIFont Size: 13 **B** *I* U Color:

Text:

Cancel Insert

Here, you select the kind of spare part, first. The possible values of this list are specified in the preferences. 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.

Digital

In this card, you enter information about your digital control. For the several functions (top light, engine lights, tail light...) exists a list.

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:

Insert Function

Function: Head light

Number: Value:

Font: .AppleSystemUIFont Size: 13 **B** *I* U Color:

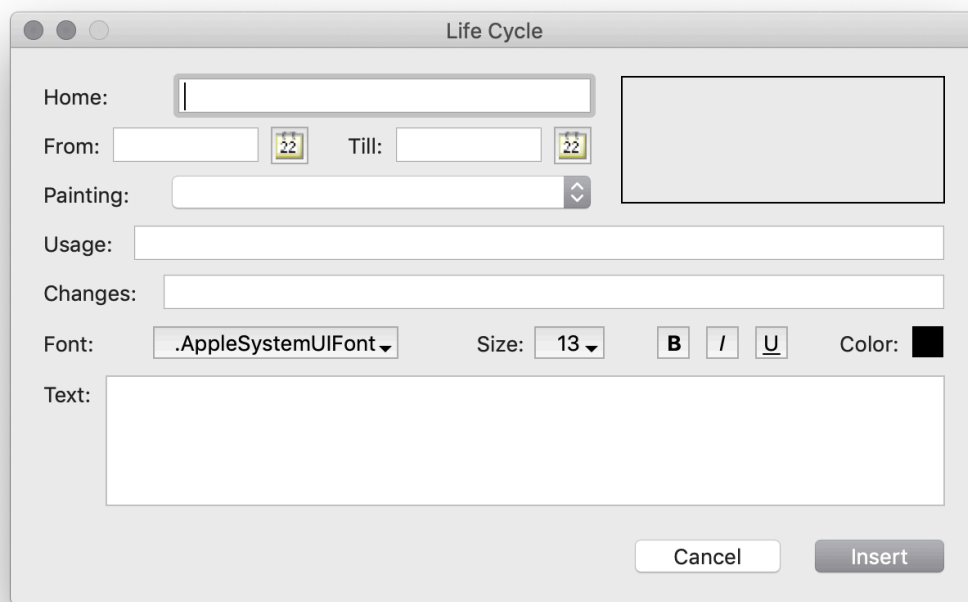
Text:

Cancel Insert

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

Original

The third part is for the values of the original. The input works in the 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:

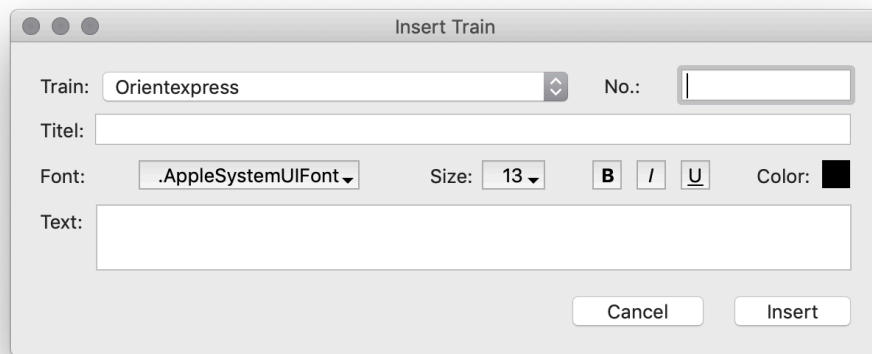
A screenshot of a macOS-style dialog box titled "Life Cycle". The dialog contains several input fields: "Home:" with a text box, "From:" with a text box and a calendar icon showing "22", "Till:" with a text box and a calendar icon showing "22", "Painting:" with a dropdown menu, "Usage:" with a text box, "Changes:" with a text box, "Font:" with a dropdown menu showing ".AppleSystemUIFont", "Size:" with a dropdown menu showing "13", and "Color:" with a black color swatch. There are also bold (B), italic (I), and underline (U) buttons. A large text area labeled "Text:" is at the bottom. At the bottom right are "Cancel" and "Insert" buttons.

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.

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", which shows all trains 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:



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

Notice

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

Documents

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

- **URL**

With this type, an 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.

"xMoVe" can't open data outside of the so-called sandbox. So, this function is not available.

- **Picture**

Like the pictures in the part "Model", you can add pictures, here. You can add as many pictures, as you want. 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. All values of it can be changed.

All elements can also add 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 model with the Button "Insert". If a spare part, history or life cycle dialog is open, it must be closed before.

Main list

After a train was entered, it appears in the main list. Here, all fields are shown, which are selected in the preferences.

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.

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.

iMoVe

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 at the moment, and there is no computer with this program available.

Or you are traveling and find some interesting information. With "iMoVe" you store it direct into the database. At home you synchronize with the desktop program. Maybe you want to add some other information or format it.

For such situations, "iMoVe" was created. You get this app directly from the App Store from Apple. The operation is like the desktop program but optimized for the iPhone and iPad. "iMoVe" can also be used as a standalone app. Within the scope of this user guide, the usage in connection with this program should be described.

Synchronization

The changes must be exchanged between "iMoVe" and the desktop program in regular intervals. This program offers two different methods.

Both variants can also be used alternately. For larger changes, the transfer via file is usually faster. But you need a second step, if there are changes on the target device. With direct synchronization, both directions are synchronized in one step.

Usage of a file

With this method, a file is transferred to the mobile device and imported. The advantage is, that only one device at a time must be active and the data can be transmitted in different ways. As a result, this method is usually faster than the method via WLAN described below. The disadvantage, however, is that data is transmitted in one direction only. However, it is possible to transmit data in the opposite direction in a second step.

From the desktop to "iMoVe"

Here, you must create an export file in "xMoVe", "Mac-MoVe", "Win-MoVe" or "Lin-MoVe", first. All necessary functions for the synchronization are summarized under the item "Synchronize


with iOS" under "File". With "Export (Full)..." the entire content of the current database is exported to a special file. This has the name of the database file and also includes the time of the export.

The next step is to transfer the file to the mobile device. This can be done under macOS for example with AirDrop or iCloud. But also, an e-mail or special programs (e.g., Documents from Readdle) can be used for the transmission.

The last step is the import into "iMoVe". To do this, select the file in the app, you used on the mobile device and send it to "iMoVe". The iPhone or iPad will now switch to "iMoVe" and the data will be imported. After the successful import, you see all data in "iMoVe".

If you make changes in the desktop program and want to transfer them to the mobile device, you can use the item "Export (Changed)...". Here, only the data that has been changed since the last export will be exported.

From "iMoVe" to the desktop

Of course, you can also make changes on the mobile device and transfer them to the desktop. To do this, press in "iMoVe"  and select "Synchronization (Changed)". Now, a file is created similar to the desktop. You must now transfer it to the desktop computer. Under macOS, this can be done directly using AirDrop, for example. But you can use also another app. Or you send an email with the file.

In "xMoVe", "Mac-MoVe", "Win-MoVe" or "Lin-MoVe", select "Import..." under "Synchronize with iOS". Then select the transferred file. Possibly it must be stored on the hard disk, first. The changes from the mobile application are now incorporated.

If you would like to transfer all data from the mobile application and delete the data on the desktop, select "Synchronization (Complete)". When importing to the desktop, all data will be deleted and only the data from the transfer available.

From "iMoVe" to "iMoVe"


If you have "iMoVe" installed on multiple devices, you can also synchronize the data between them. Do not choose the desktop program as the destination, but the second mobile installation.

Direct Synchronization

Installation

Above method is good for much data. But data can only be transferred from one installation to another. In most cases, inputs are made on both devices and these are to be transmitted to the other device. For this, the direct synchronization is a better solution.

For this method, the desktop program starts a web server. With the help of this server, "iMoVe" connects to the desktop. To enable the server, activate the option "Synchronize with iOS direct" in the settings. The shown IP must be entered at "iMoVe", later. The port can be changed to avoid conflicts with other programs. After closing the dialog, the server is starts. It starts in future, when the program starts, automatically - and ends when you close the program.

Then, you must make the settings in "iMoVe". This is done by the Button . The settings of the units must be entered in the mobile app. Please use the same units as in the desktop program. During synchronization, only the values without unit are transferred. The settings for the "Category" are already available in the desktop program. They are transferred to the mobile device with the first synchronization.

Now, you enable the option "Direct connect" and confirm the following dialog with "Overwrite". In the field "Server 1", enter above IP address. Do the same with the port. If you use the desktop program on two computers, you can enter a second address and port.

Before first synchronization, it is a good idea to make a backup of the existing data.

Then start the synchronization with \updownarrow . All data will be transferred to the mobile device. With later synchronizations, only the changed data is transmitted.

Depending on the number of data, it may take some minutes to synchronize all data.

While synchronization, all dialogs (Preferences, enter, change...) must be close.

Problem solving

There may be different reasons, why there is no connection between the mobile device and the desktop computer. Please check the following points, first:

- The mobile device must be connected to the local network.
- Both devices must be in the same network.
- The preference dialog is closed.
- Maybe a firewall stops incoming traffic.

For testing, you can access the server in the desktop program from any browser. To do this, enter "http:<address>:<Port>" (e.g., http://192.168.178.44:8080) in the browser. You find the values for "address" and "port" in the preferences. Please close the preferences before entering.

If you enter above address, you should see the following message:

If you see this page, you tried to access this server...

You can enter the address from the desktop and from the mobile device.

Usage

After the setup of synchronization, you can enter, change and delete data on both instances. These changes are transferred to the other system. The usage is very simple, but there are some few points to consider:

- **Style**

In "iMoVe" the texts can't be formatted. If you change a text, which was formatted within the desktop program, these styles will be lost.

- **Entries on two systems**


You should synchronize the data between the instances regularly. With this, you prevent a change of one entry from two instances.

- **Pictures**

On the mobile device, the pictures are stored only in the displayable resolution. Would you like to store a larger image in the database, assign it with the desktop program. During synchronization, the image size is reduced and transferred to the mobile device. The original on the desktop remains unchanged.

- **Default values**

The administration of the default values is not available in the settings. Instead, they can be changed in the dialog, where you select the value.

You can also export the data, displayed in the main list to another program. This is done with the button . Here, you select "Text file" or "CSV file". With the last one, you can transfer the data into a spreadsheet (e.g., Numbers).

ALL MENUS

File

Database

Normally, with the first start of the program a new database was created. In this, all data can be stored. If you need, for some reasons another local database, you need this menu point. Also for switching to a database-server, this point must be used.

With "New" a new database will be created. For a local database also the file will be created. When using a database-server, only the tables, indexes and predefined values are created. With "Open", you select a local file or create a connection to the server.

The points "New" and "Open" are sub-menus of "Local database", "cubeSQL" and "PostgreSQL".

If you use "xMoVe", an internal database will be used. Therefore, this point is not available.

Close

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

Page setup

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

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

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.

Only visible columns will be printed.

If the columns are too small, you should use the landscape format or a smaller size of the font.

Print Abstract

The list prints the stored information only incompletely, because neither pictures nor the sublists (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 sublists. The definition, which information should be printed is entered in the preferences. There is also entered, how the abstract will be printed.

Reduce image size

This program stores at different places images in the database. While storing, the original size of the picture is 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 than these values, it will be reduced, so that it fits into the given values. Nevertheless, smaller pictures are not increased.

While reducing the pictures, it will lose quality.

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.

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 type of list and preferences, a title will be exported.

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.

Text-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, 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.

XML-File

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.

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 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.

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. While importing, you can choose to overwrite existing models, or not.

With this feature, you have many possibilities. The easiest one is to transfer one or several 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.

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

Microsoft 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.

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.

Clipboard

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

After exporting the values in this program, you must insert them in the spreadsheet application.

You can use other applications, too.

HTML-File

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. 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, 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.

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.

Acrobat 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.

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", this function will be used for all prints.

Database

With this point, a copy of the database file will be created. You need this item, if you want to use the database of "xMoVe" with another installation, for example. After selecting a directory, a copy of the currently used database is created.

Import

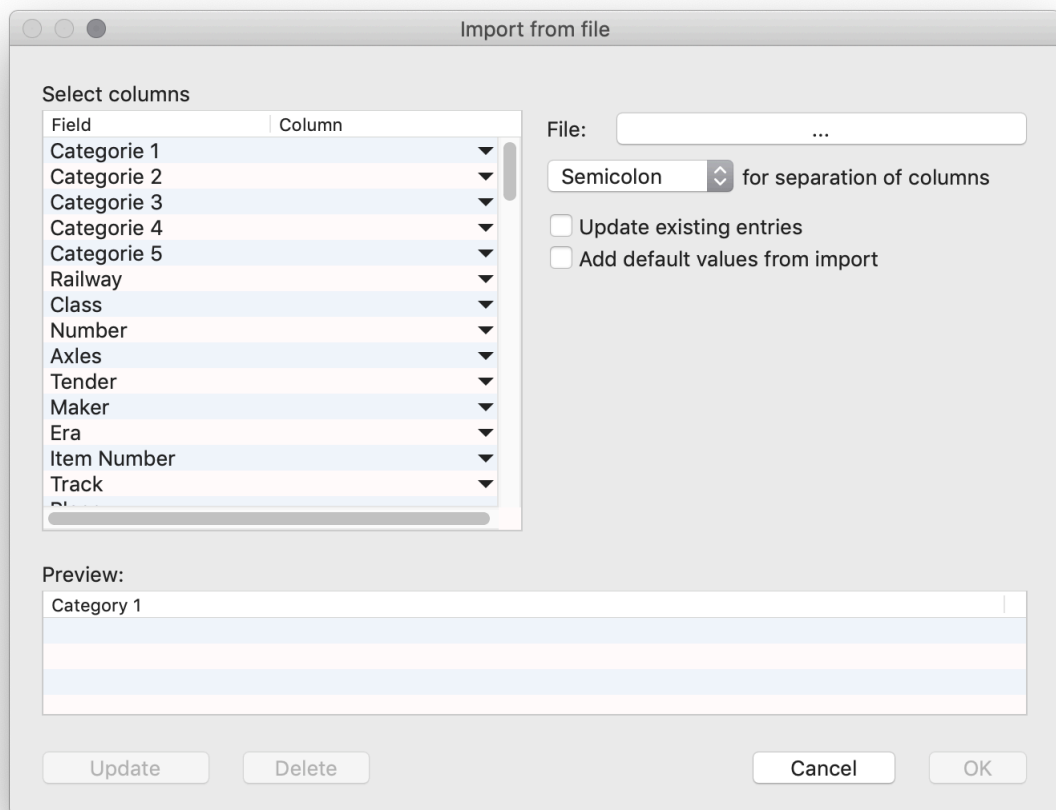
Train data can be imported from a file (text or XML) or an open "Excel" sheet. From most spreadsheet applications, you can transfer the values via the clipboard, too. Normally, the import has the same format as the corresponding list. But hidden columns are imported, too. So it is a good idea to export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

This program 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.

Text-File

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



- **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.

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, before you import new trains. With activated option, the necessary default values are automatically added.

The additional default values are entered while creating the preview.

Categories are not concerned by this option. These must be defined within the preferences, before you import data.

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

- **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 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 can't be cancelled. The imported dates appear in the current list.

XML-File

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 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, 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.

Microsoft 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. Under Windows, the OLE interface is used for the communication with Excel. On the Macintosh, AppleEvents are used.

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.

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.

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

Database

With this point, the current database file is replaced with the selected one. This can, for example be used for a restore. Or even if you use "xMoVe" and want to use an existing database. After selecting the database file, it is copied to the location of the currently used database. The previously used database is overwritten.

Synchronize with iOS

Use this point to synchronize data with "iMoVe".

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 built 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 angle brackets. 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.

Backup

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

If you use "xMoVe", this point is not available.

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., TimeMachine) to backup your data or let this do by "Mac-MoVe" ("Win-MoVe", "Lin-MoVe"). In the preferences, 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.

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.

Edit

Cut

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

Copy

This point is in all dialogs active. You can copy the selected text into the clipboard. In lists, the selected line is copied to the clipboard. This can then be pasted in other lists of the same type.

Paste

This point is in all dialogs active. If there is a text in the clipboard, it is copied into the text field. If the clipboard contains a row of a list, a new row with this content will be added.

Delete

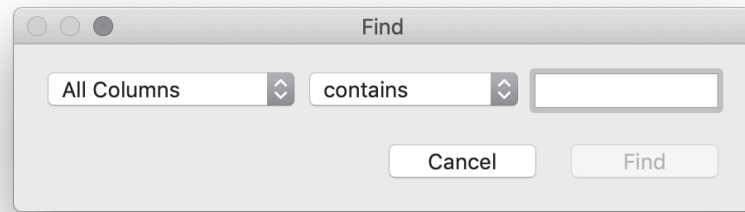
In some lists, there is a Button "Delete". If it is active, you can delete the selected data with this point, too.

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.

Find

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



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.

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.

Preferences

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

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. If you move the mouse over a bar, the exact value is displayed. 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.

Costs

This menu point provides a graphic overview of the costs during the last 1200 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 recreate the list. Additionally to the standard functions, you can use the Button "Close" to close this window.

Earn

This menu point provides a graphic overview of the earnings (without spare parts) during the last 1200 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 recreate the list. Additionally to the standard functions, you can use the Button "Close" to close this window.

Price

This menu point provides a graphic overview of the current price during the last 1200 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 recreate the list. Additionally to the standard functions, you can use the Button "Close" to close this window.

Catalog price

This menu point provides a graphic overview of the catalog price during the last 1200 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 recreate the list. Additionally to the standard functions, you can use the Button "Close" to close this window.

Purchase price

This menu point provides a graphic overview of the purchase price during the last 1200 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 recreate the list. Additionally to the standard functions, you can use the Button "Close" to close this window.

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. If an entry was selected, you can open it with "Change". Additionally to the standard functions, you can use the Button "Close" to close this window.

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. If an entry was selected, you can open it with "Change". Additionally to the standard functions, you can use the Button "Close" to close this window.

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.

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 it 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. If an entry was selected, you can open it with "Change". Additionally to the standard functions, you can use the Button "Close" to close this window

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 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.

Other

About

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.

If you use "xMoVe" or "WinMoVe", no information about registration is shown.

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.

If you use "xMoVe" or "WinMoVe", this point is not available.

Registration

In this dialog, you enter the registration information. After payment, you get a Mail, which contains two values. You must enter these two values in this dialog.

If you use "xMoVe" or "WinMoVe", this point is not available.

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 this program and the other products of MC Richter GbR.

Mail to MC Richter GbR

With this point, you open a new mail to MC Richter GbR in your standard mail program.

Web

Hereby, you start the standard web browser with the web page of this program.

Forum

In this forum, you find additional information about our products. It is only in German language available.

User guide

With this point, you open the user guide.

FILES

This program is available for macOS, 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.

- **xMoVe X.app / 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".

- **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.

If you use this program on different computers, you must copy this file to the other computer. Please pay attention to use always the latest version of the file.

The database can be used without any conversation on all supported operating systems.

"xMoVe" stores the data within the so-called sandbox. Normally, you do not need direct access to this file.

- **xMoVe (Pref.) / Mac-MoVe (Pref.) / Win-MoVe.ini / Lin-MoVe.ini**

One of the first two names are used by macOS. 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.

"xMoVe" stores the data within the so-called sandbox. Normally you do not need direct access to this file.

- **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. This information is stored by system-tools, too.

"xMoVe" and "WinMoVe" don't create a log file.

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.
- **Version 2.0**
 - **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.
- **Version 2.1**
 - **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.
- **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.
- **Version 3.0**
 - **Administration of default values from corresponding popup-menu**
Now, you can administer the default values from the corresponding popup-menu, direct.
 - **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.
 - **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**
 - **Report "Marshaling"**
This report is based on the tab "Marshaling" in the model and shows all possible train.
- **Version 4.3**
 - **Speedometer**
With this function, you determine the speed of the model and the original.
- **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**
 - **Formulas**
In many fields you can enter a formula instead of a value.
- **Version 4.6**

- **PostgreSQL**

As an alternative to the REAL Server, you can use PostgreSQL. You can use it free of charge.

- **cubeSQL**

The REAL server was purchased by SQLabs. It can be used in the same way as before.

- **Version 4.7**

- **Entry of date without a point**

The date can be entered in the form <ttmmjjjj>.

- **Images and Linux**

Also with Linux the images are stored within the database.

- **Version 5.0**

- **iMoVe**

In addition to the desktop programs, there is now a version ("iMoVe") for iPhone and iPad available. With it, a complete management of your data is possible.

- **Version 5.1**

- **App Store**

You can download "xMoVe" from the Apple App Store, now. "Mac-MoVe" is still available as a direct download.

- **Version 6.0**

- **Additional fields**

For digital components, there are two additional fields.

- Synchronization with iMoVe optimized

Now, it is possible to synchronize several mobile devices with one desktop application.

- **Version 6.1**

- **Thumbnails in list**

The list shows now thumbnails of the models.

- **Version 7.0**

- **New Fields**

With this version, additional information can be stored. Because of this, some new fields are necessary. And some other fields were changed. But all existing data will be transformed, automatic.

- **Lin-MoVe as 64 Bit Version**

We build Lin-MoVe as a 64 Bit version. The 32 Bit libraries are not necessary any more.

- **Version 7.1**

- **AFP-Server and Semaphore**

With macOS 10.12 it is no longer possible to mount an AFP server without additional password input. Therefore, this function has been removed and the settings file adapted.

- **Change model direct from "Spare parts" and "Marshalling"**

Now it is possible to open the dialog for changing a model direct from the reports "Spare parts" and "Marshalling".

- **Version 7.2**

- **Mounting with semaphores**

A command line program can be started before and after testing semaphores, now.

- **Version 7.3**

- **Backup**

Beginning with this version, all backups are stored in one user defined folder.

- **Windows Store**

You are able to download this version from the store of windows.

- **Version 7.4**

- **Mac-MoVe supports 64 Bit hardware**

The version for macOS is now created as a 64-bit application.

- **HiRes support for Win-MoVe**

Also Win-MoVe now supports high resolution (HiRes).

- **Version 7.5**

- **Window position and size depending on screen**

The position and size of the windows will now be saved depending for each connected screen independent. This makes it easy to switch between different monitors. For example, if an external monitor is used with a laptop.

- **Version 7.6**

- **Synchronize with the help of a file**

For the synchronization with "iProLi", you are able to use a file, too.

- **Online-Help as PDF**

Now, we use a PDF for the online-help. This is the same file, you can open from the folder.

- **Version 7.7**

- **Display of dialogs optimized (Linux)**

For Linux the display of dialogs was optimized. Now, you are able to select your distribution.

- **Dark mode**

Under macOS, the dark mode is supported now

- **32-bit Linux support dropped**

With this version, we dropped the support for the 32 bit version of Linux.

- **Version 7.8**

- **More periods in graphics**

Now, up to 1200 periods (years or months) can be shown in graphics.

- **Usage of GTK 3 for Lin-MoVe**

Lin-MoVe now supports GTK 3 instead of GTK 2 to improve the display under Linux.

- **Version 7.9**

- **User guide**

The user guide has been revised.

- **Values in graphics**

If you move the mouse over a bar, the exact value is displayed.

- **Version 8**

- **Interface to iMoVe**

We improved the interface to iMoVe. Please use all the actual version of iMoVe for synchronization.

PAYMENT

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 people works at the same time with this program, you must pay again.

If you use "xMoVe" or "WinMoVe", no registration is necessary.

You can pay the registration fee 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

After reception of the money, I send you a mail with the code for the registration.

For "xMoVe" and "WinMoVe", no more payment is necessary.

The description on a bank transfer is often truncated. Address information, written there, is often incomplete. So, please write me a mail with your address, too.

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.

CONTACT

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

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