W I N - D I G I P E T 9.2 *Premium Edition-Update*

Update Version 9.2

Supplements / Innovations / Changes

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Version 9.2

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Summary

This Update Version 9.2 *International* is a Free-Of-Charge Add-On for your **Win-Digipet V9.0 International *Premium Edition***.

The purpose of this document is, to describe all innovations of **Version 8.4** and to explain in detail how to use all new features; similar to an annex of your User Manual, which is already provided to you with Version 9.0 *International* in printed or electronically version.

Therefore it is required that you are familiar in how to use **Version 9.0**.

For details, please check your manual of Version 9.0.

In the following it is provided, that you have installed your **Win-Digipet *Premium Edition* V.9.0** in „c:\wdigipet“ (default) on your hard drive.

If this is not the case, then please change the installation path to the corresponding path in which you have already installed Win-Digipet.

In case of further questions, don't hesitate to call the *Hotline* (Mondays, from 08.00 pm – 10.00 pm via +49-(0)172 – 20 11 009) or post your message in the International Forum of Win-Digipet (www.win-digipet.de)

If not noted separately, all information is valid for all Digital Systems and model railroad scales which are supported by Win-Digipet.

This document was created to our best knowledge. We apologise for any mistakes which could occur. In case you notice any mistakes, please bring them up on above mentioned contacts. Corrections will be made after investigation.

We are not liable for any eventually damages, which might – directly or indirectly – occur by using the software or this document.

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The changes in WIN-DIGIPET 9.2

- the multi digital systems (up to 8 at the same time) with support for...
  - Märklin 6020/1 and 6050/1
  - Uhlenbrock Intellibox / Fleischmann Twin-Center
  - LDT HSI-88
  - Lenz Digital Plus 2.0 to 3.5
  - Roco Digital via Lenz Interface
  - InfraCar-System
  - Lenz LI-USB
  - Selectrix-Systems by Trix, MÜT and Rautenhaus
  - Switch-COM System
  - Tams Master Control (version 1.41 or higher)
  - Digital-S-Inside (Modellplan)
- The Re-initializing sequence of the LDT-HSI88 has been improved.
- Due to many errors caused by wrong settings in the routes data base, some check routines were added to help the user to create working routes:
  - Warnings, if the switching conditions contain feedback contact, that are not part of the recorded route
  - Error message if now start- destination contact has been registered
  - Error message if start- or destination contact is no train number display
  - Error message if any release conditions have been forgotten
  - Warnings, if the contact events in the profiles or timetable editor contain feedback contact, that are not part of the used route
- Many improvements have been achieved concerning digital systems, tours and the tour automatic. In some cases now performance enhancements up to 50% are possible.
- SX-Decoder for turntables and SX-Displays for the track diagram
- Special control code for the LDT signal decoder.
- New, free position able message window for the users of two screens
- Standard values for the start- and breaking-speed of routes can be registered in the system settings and be used when creating new routes
- Standard functions for locomotive (Light on/off, Functions on/off) can be selected in the locomotive data base for comfortable creation of profiles
- Pictograms for functions of locomotives can now be edited
- New Symbols in the symbol selection of the track diagram editor for the turn/transfer table and the dispatcher
- Counter symbols in the track diagram for counting functions within the tour automatic and routes
- Complete new program part „Dispatcher" for several special control of e.g. level crossings or hidden stations without an automatic

- Optimized handling of solenoid devices and feedback contacts within the track diagram editor
- Many improvements concerning creation and maintenance of profiles
- Improvements concerning switching conditions and partial releases within the routes editor
- New tour automatic list for better editing and searching within the tour automatic editor
- Solenoid device switching without train movement („Day&Night“) included in the tour automatic
- „Switch + Drive as tour“ now also available for manual operation
- Enhanced options for faster restarting the automatics after an emergency stop
- Reset of routes now also possible for single routes and with optimized memory cleaning
- Search function for locomotives on train number displays

WIN-DIGIPET 9.2 - Installation of the update

This free-of-charge-Update works with the ***International*** **version of Win-Digipet *PremiumEdition* V9.0** only. **This Update cannot be used with any other version** of Win-Digipet (incl. all Demo-Versions). This Update *cannot* be used **without having the original CD-ROM 9.0 *International* Premiere Edition** in your CD-ROM drive.

This Update has to be installed into the same folder where your Win-Digipet 9.0 is actually installed (default is: c:\Wdigipet).

Your current digital system settings will be automatically converted to **WIN-DIGIPET 9.2**.

1. Data backup

Please make a backup of your current data with the tool „Maintenance.exe". For further details about data maintenance please refer to the User Manual of WDP.

2. Symbol table backup

If you have modified the original symbol tables of **WIN-DIGIPET 9.0** (except Sym_Uxx.bmp) please make also a backup of your modified symbol tables, because the Update 9.2 will overwrite these with new versions.

4. Installation of the update 9.2

Download the update from the Win-Digipet website to your Win-Digipet folder (c:\Wdigipet). Execute this file by double click on its icon (e.g. via Windows-Explorer). All Update-files will then be copied on your hard drive automatically. Please pay attention to the following: Within the installation window „*chose destination*" please chose the folder in where your Win-Digipet 9.0 *International* Premiere Edition is already installed. Default is: „c:\wdigipet". Afterwards follow the instructions of the installation program.

5. Start of Win-Digipet 9.2

Now you can start Win-Digipet as usual.

If you have worked with version 9.0 before you won't get any converting messages. If you have worked only with version 8.x before, the program will automatically convert your routes and locomotives to version 9.2.

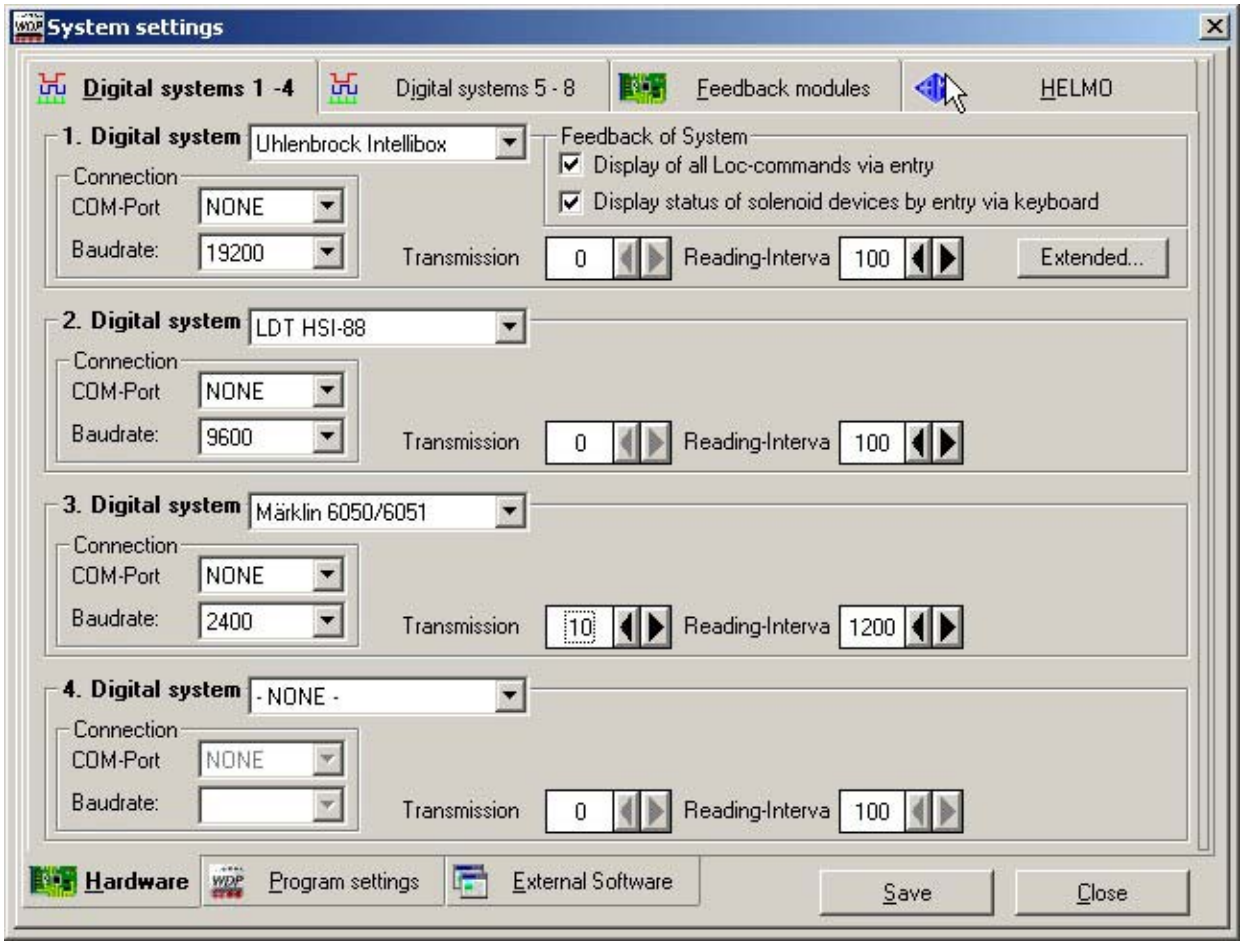
During program start you will see picture to the one below.

After the complete program start you should see the track diagram of **Win-Digipet 9.2** as usual.

For working with the program you **won't** have to do any new settings, because all old settings will be converted. But for your own interest you should take a look at the new system settings.

System settings

1. Digital system



The picture above shows you the system settings in new design.

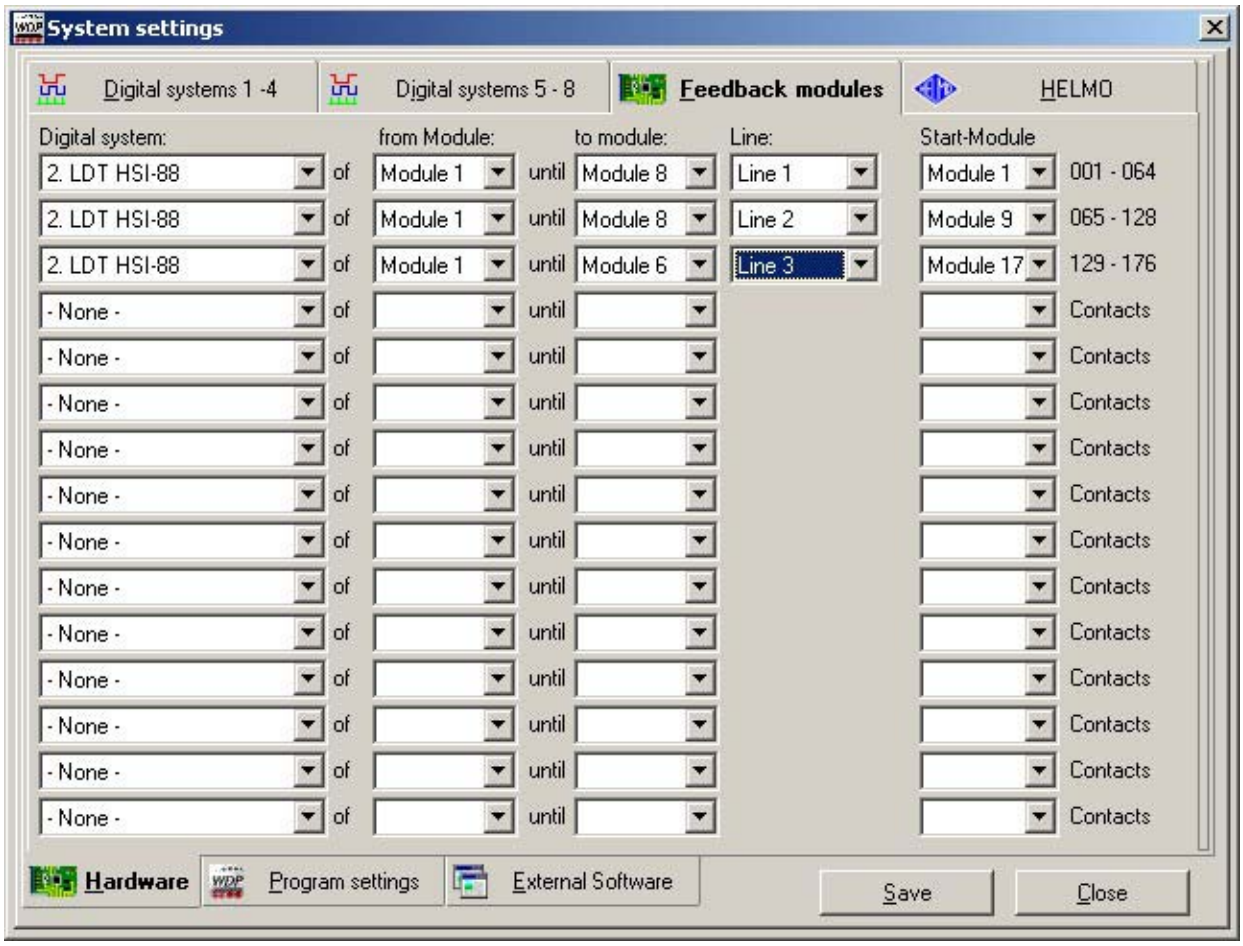
This picture assumes you have controlled your model railroad with the following digital systems...

- Uhlenbrock Intellibox for locomotive control
- Märklin Interface for solenoid device control and
- LDT HSI-88 for feedback contacts.

Your old settings will be converted when updating to Version 9.2, but you should open the system settings and control the settings.

The new system settings give you the possibility to install up to 8 digitals systems. Now also the Selectrix-Systems, Switch-COM, Digital-S-Inside and Tams Master Control (version 1.41 or higher) are supported.

2. Feedback contacts



This picture assumes you have controlled your model railroad with the following digital systems...

- Uhlenbrock Intellibox for locomotive control
- Märklin Interface for solenoid device control and
- LDT HSI-88 for feedback contacts.

Your old settings will be converted when updating to Version 9.2, but you should open the system settings and control the settings.

Important!

The calculating scheme for the counting of feedback modules has been changed. Until the last version the feedback modules for s88-feedback systems have been counted in groups of 16, now this has been changed to groups of 8 to get a unique calculating scheme for all type of feedback contacts. This means 1 S88-feedback module will count as 2 feedback modules within Win-Digipet.

Also the feedback lines Left, Middle and Right of the HSI-88 have been renamed to line 1 to 3.

It is also important to assign the correct start module in Win-Digipet. With this feature you can move your several feedback lines with the feedback number space of Win-Digipet.

3. Feedback modules and Intellibox or Twin Center

If you use S88-feedback modules with an Intellibox or Twin Center, you have to register the number of these feedback modules in the system settings of WIN-**DIGIPET 9.2** and also in the menu of Intellibox/Twin.

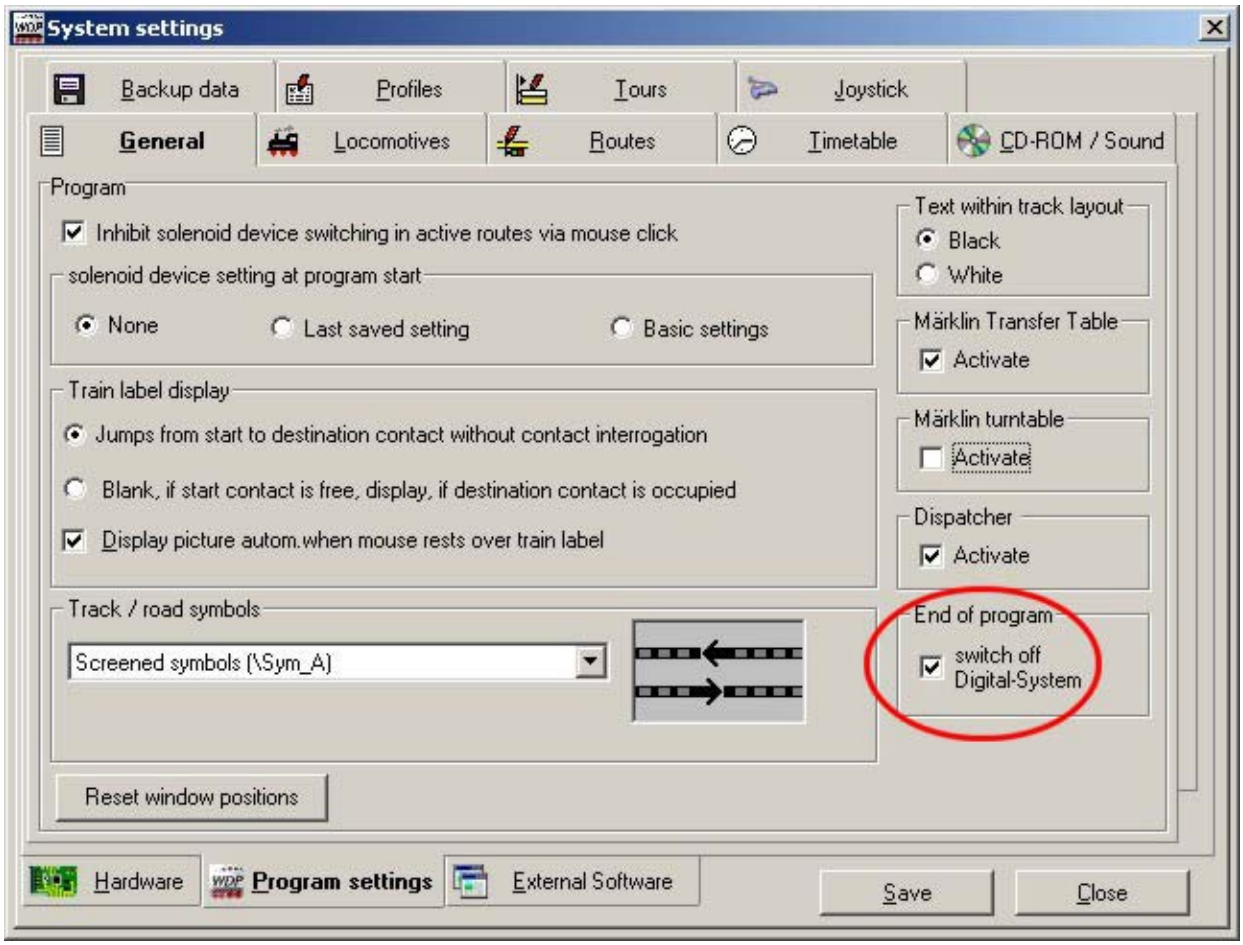
But be careful in this case you have count in groups of 16.

Example:

- You have connected 12 s88-feedback modules with 16 inputs to your Intellibox/ Twin Center
- The you have to register 24 modules in the system settings of **WIN-DIGIPET 9.2**
- But in the menu of the Intellibox/Twin Center you have to register 12 modules.

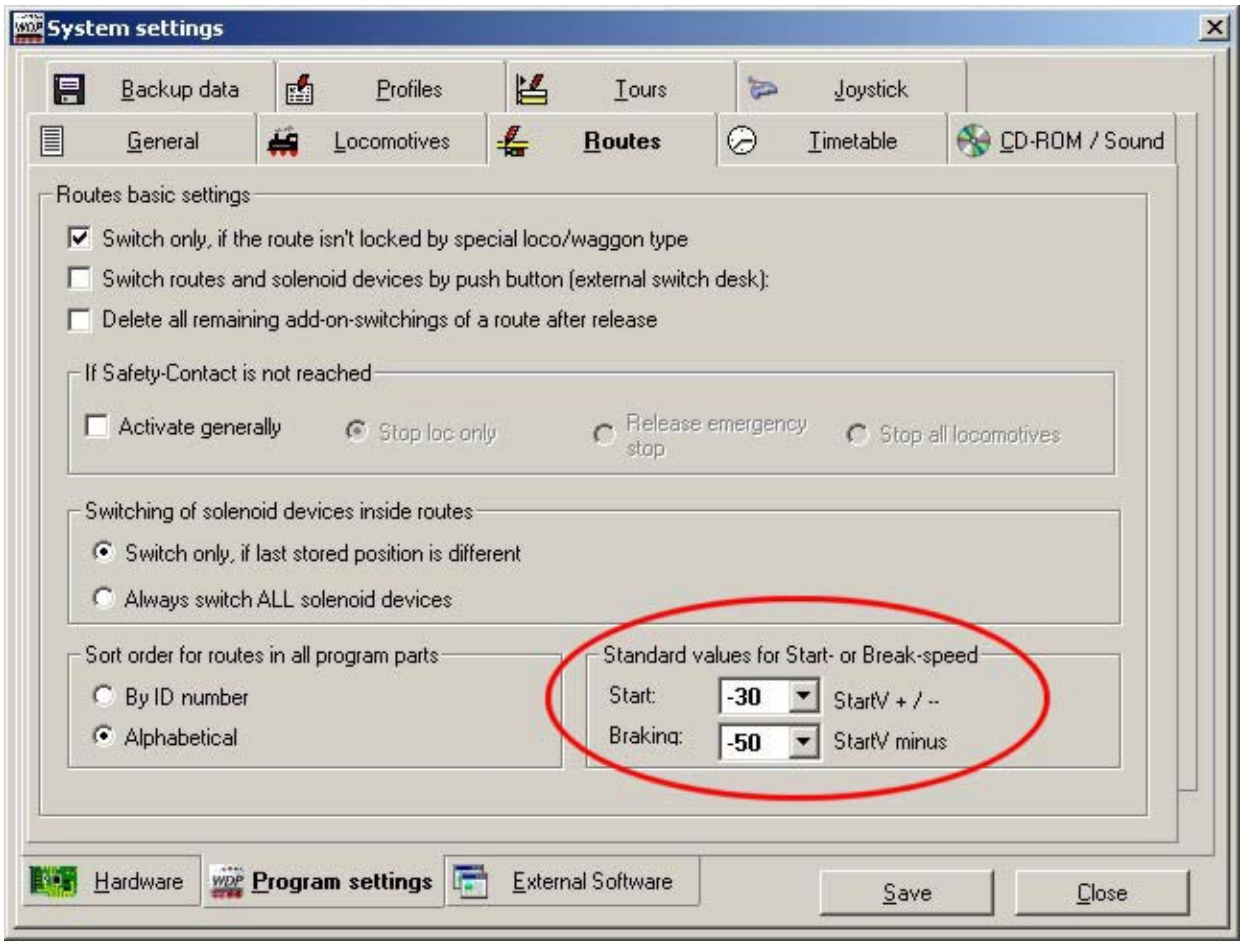
These settings in the menu of the Intellibox/Twin Center are very important because otherwise WIN-**DIGIPET 9.2** will possibly not receive feedback contact message from these digital systems.

4. Switching digital systems off at end of program



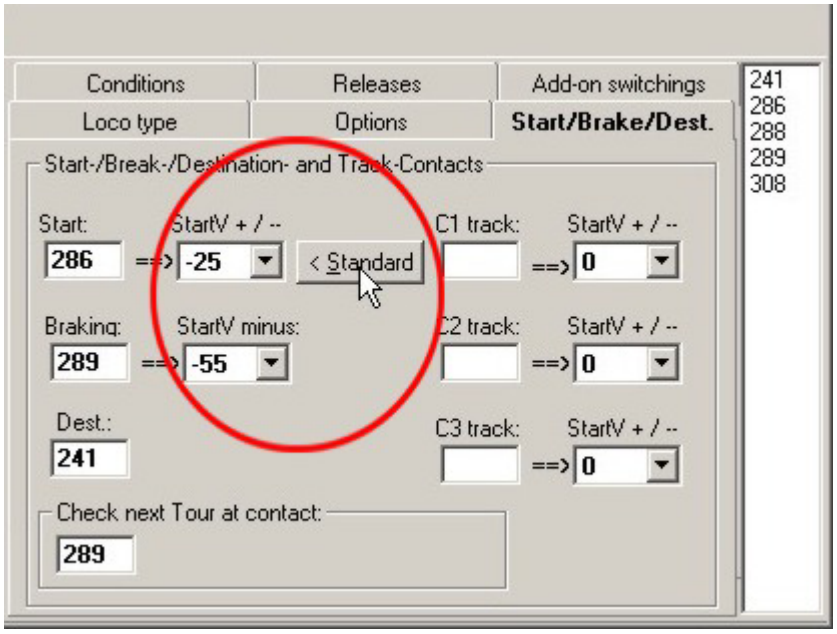
When checking this option **Win-Digipet 9.2** will switch off (stop) your digital systems when closing.

5. Standard values for start- or breaking speed

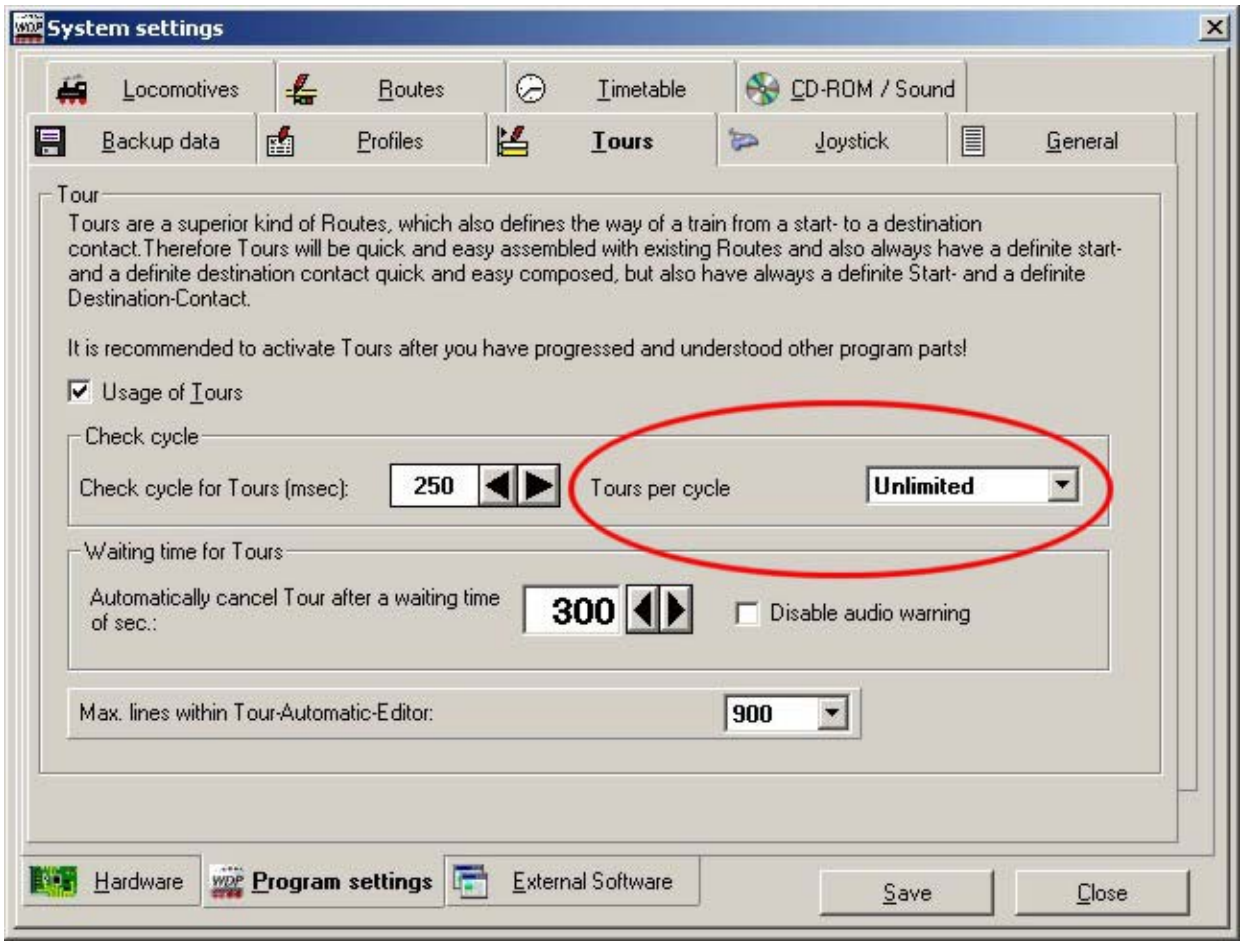


These values can be used to simplify the setting of standard speed settings when creating new routes in **Win-Digipet 9.2**.

You only have to press the button ***'< Standard'*** in the routes editor and the standard values from the system settings will be transferred to your route.



6. Tours per cycle



With this option you can change the check cycle for tours for improving the performance of **Win-Digipet 9.2** on your PC (especially for slow PCs).

The standard setting is unlimited and can be changed to values from 1 to 100.

One example:

In your automatic...

- 25 tours are running and
- and you have set the setting to 5 tours per cycle,
- then the first check cycle will test 5 tours,
- after reaching the next check cycle time the next 5 tours will be tested
- and so on…

...until all tours have been checked and the cycle will start again from the beginning.

Locomotive data base

1. Standard functions ON/OFF

When registering contact events in the profiles and timetable editor automatically according to manual 9.0, also data from the locomotive data base is used.

In the new input box „Standard functions ON/OFF" you can select now which functions of the locomotive should be activated by default when registering contact events automatically. For example this very useful if you want your train to activate the interior lighting in any case.

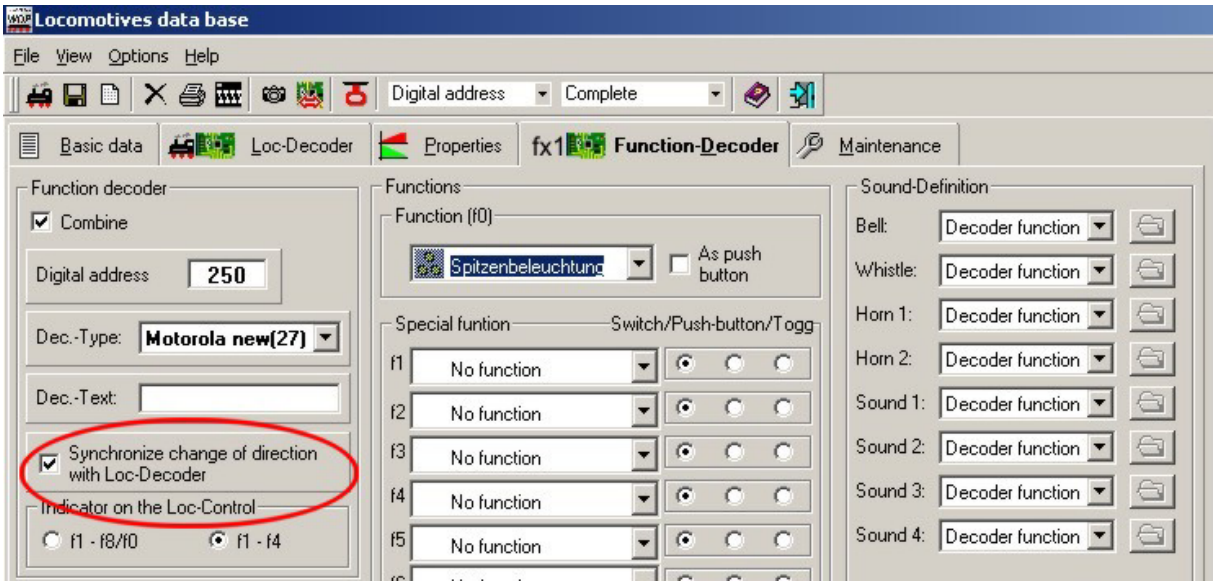
In our example when want the train to activate the interior lighting in every contact event line containing driving commands. For this purpose switch the interior lighting on the locomotive control on (**BLUE** circle) and **'*Save*'** the current state of the locomotive control as default.

If you navigate threw your locomotive data base you re-display the standard functions on the locomotive control using the button **'*Display*'**.

2. Synchronizing change of direction with locomotive decoder

A new feature of version 9.2 is the possibility of "*Synchronizing change of direction with locomotive decoder*" for function decoders. This for example very useful if you use control cars with push-pull trains with separate function decoders.

Important!
This does **not** work for the Selectrix-System.



3. Modifying pictograms for the locomotive data base

In the following you will see a port of the file **FuncIcons.bmp**, which can be found in the directory C:\WDIGIPET\Symbole.

In this file all pictograms for (locomotive) decoder functions can be found and modified with a graphics program.

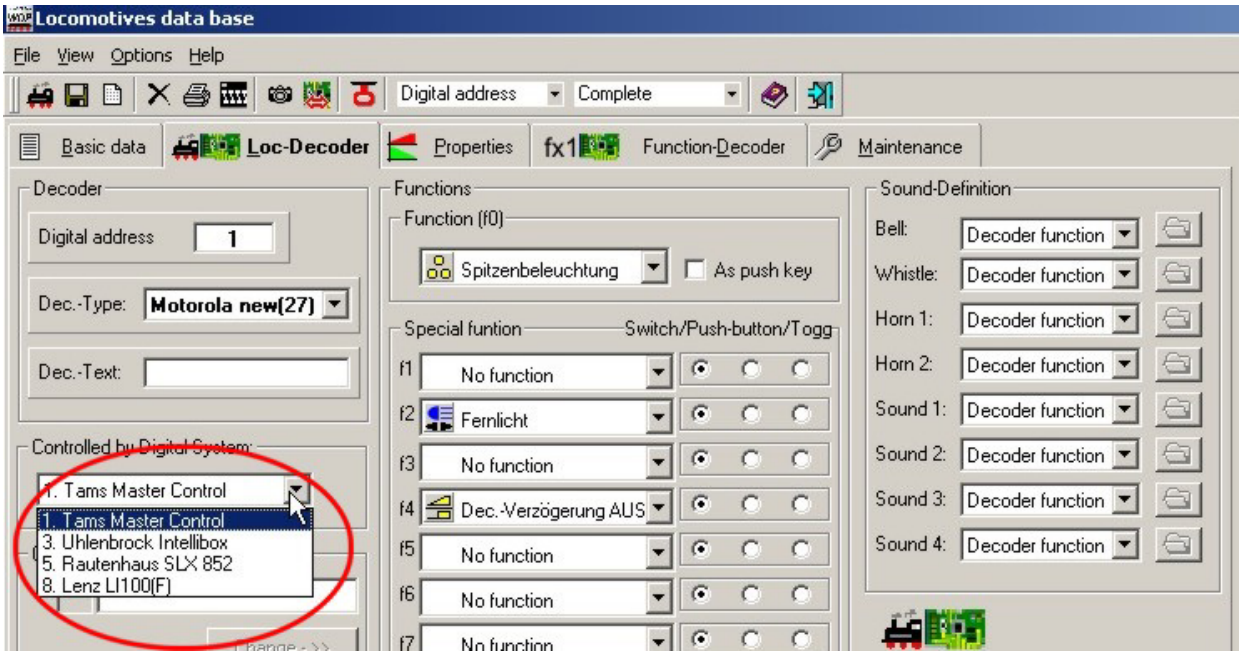
Tip!
Please make a backup of the original file **FuncIcons.bmp** before making changes in this file.

4. Changing the digital system for a locomotive

In **Win-Digipet 9.2** have the possibility control your model railroad layout with up to 8 digital systems.

If you use multiple digital-systems for model railroad you can easily change the digital system, which controls your locomotive using the selection box „*Controlled by Digital-System*“.

Important!
By default the first digital system is used for new locomotives.



5. Globally change digital system for several locomotives

If you use multiple digital-systems for model railroad you can easily change the digital system, which controls several of your locomotives.

Click in the locomotive database on the menu <Options> <Changing digital-system of locs globally> or on the button in the toolbar.

Now you will see a window for changing digital systems globally.

In the upper selection box you can choose the current digital-system for controlling your locomotives and in the lower selection box you can choose the new digital-system for controlling your locomotives of the old digital system.

With a click on **'*OK*'** you can change now the digital-systems for the locomotive of the old digital system after confirming a security question.

6. The locomotive controls with new design

The caption line of the locomotive controls in version 9.2 has been modified due to style changes in **Win-Digipet 9.2**, but symbols are very similar to the old style.

Track diagram editor

1. New symbols in the track diagram editor

- **New switch symbols or K 84 symbols**

For the control of level crossings in combination with the dispatcher new symbol have been designed.

	Signals with two aspects	New symbols for the control of level crossings in combination with the dispatcher. Symbol numbers 314 and 315

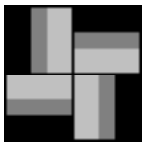
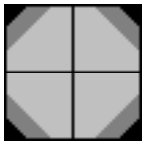
- **Special track symbols as solenoid devices**

For the construction of a multi-rail level crossing new symbol have been created.

	Signals with two aspects	Multi rail level crossings. Only vertical and horizontal. Symbol numbers 338 and 339.

- **Simple track symbols**

With the help of these symbols you can refine the track diagram optically. **The icons** delivered **by WIN-DIGIPET 9.2** are designed to create locomotive shed or platforms in dark grey. With the symbols of the rows two and three you can now create diagonal corners for you turntable.

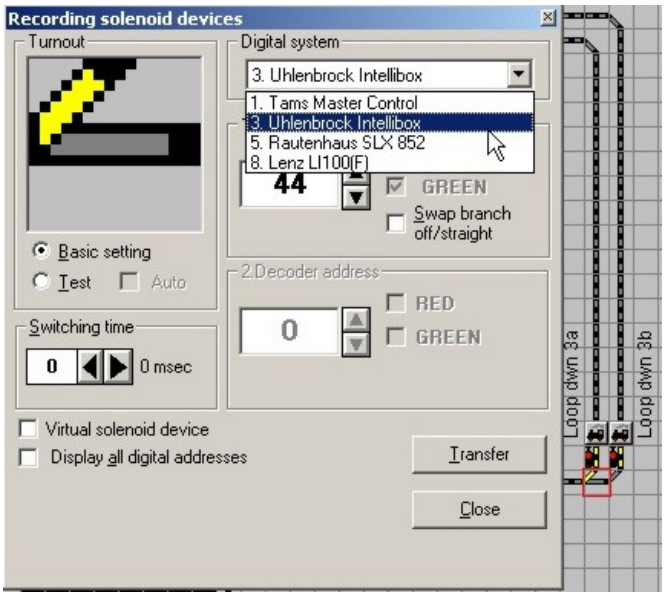
	Simple track symbols	Track diagram symbols for the representation of the turntable or transfer table. You should use this instead of normal track symbols as inter-symbols to fill the space between the track connector symbols. Here in the German Railways view and changed order. Symbol numbers 510 to 513.
	Simple track symbols	Track diagram symbols for the representation of the turntable or transfer table. You should use this instead of normal track symbols as inter-symbols to fill the space between the track connector symbols. Here in the German Railways view. Symbol numbers 518 to 521.
	Simple track symbols	Track diagram symbols for the representation of the turntable or transfer table. You should use this instead of normal track symbols as inter-symbols to fill the space between the track connector symbols. Here in the German Railways view. Symbol numbers 522 to 525.

<u>Important!</u>
Due to a necessary change in the order of symbols for the representation of the turntable or transfer table (Symbol numbers 510 to 513) you have to change the inter-symbols for the representation of the turntable or transfer table.

This concerns the symbols and , here for better understanding in German Railways view.

2. Recording solenoid device data

Click on the menu 'Record' and 'Solenoid device address' or on the switch in the toolbar. The track symbol window disappears and the mouse pointer changes to an arrow with micro switches.



Point to the solenoid device you want to record: It will be framed by a red triangle. Click on it: A window „Recording solenoid devices" is opened.

If you use **multiple** digital systems, as showed in the picture you have to select the digital system your solenoid devices is connected to.

At the upper left the solenoid device is displayed as a large symbol, and its type is indicated, e.g. „Turnout…". Enter the address or both addresses of the solenoid device.

The program has already checked/ unchecked the connections „**RED**" and „**GREEN**"for most of the solenoid devices.

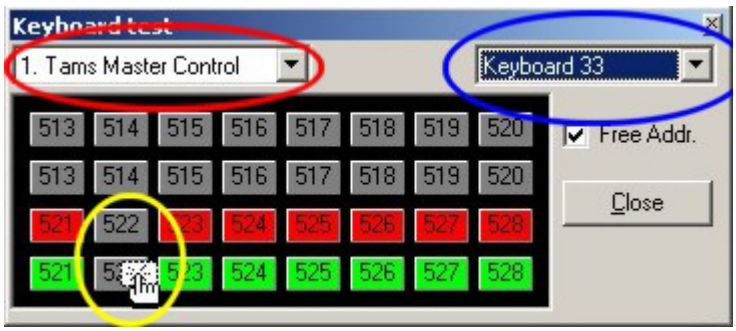
Important!

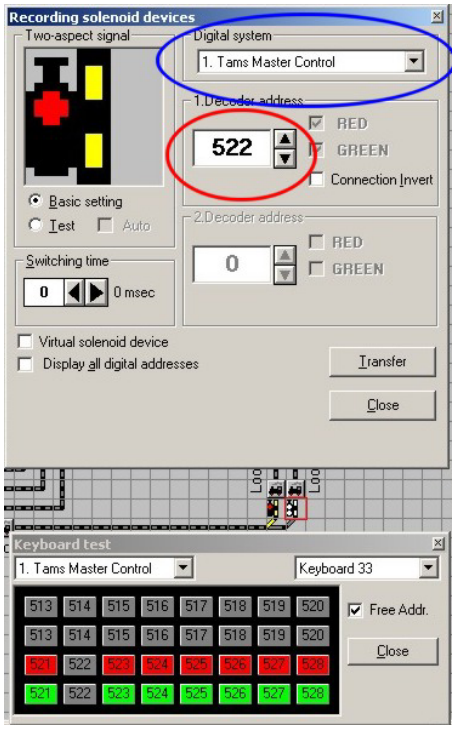
If you enter a solenoid device address, which is larger than the biggest possible device address of your digital system (e.g. 256 for Märklin) this device will be automatically set to virtual solenoid device.

3. Recording solenoid device data with the help of the test keyboard

In version 9.2 the recording of solenoid device data has been improved/simplified. Now the virtual test keyboard in the track diagram editor can also be used to register solenoid device data.

For this purpose open the test keyboard and click on the menu 'Record' and 'Solenoid device address' or on the switch in the toolbar. Due to the multiple digital system support in this version the keyboards has been changed slightly (red and blue marking).





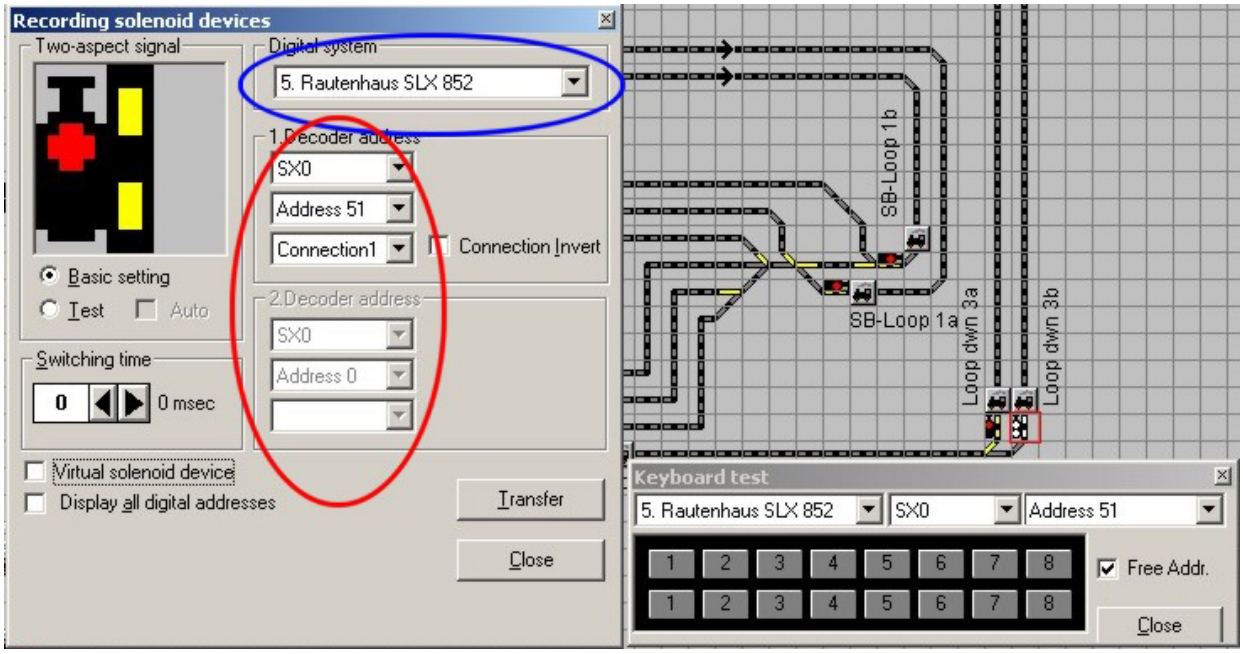
For recording a solenoid device address in the track diagram, point to the desired solenoid device address in the keyboard and drag it with pressed middle mouse button (or left mouse button + Shift) to intended solenoid device within your track diagram.

The solenoid device will be framed by a red triangle and the window „Recording solenoid devices“ will be opened after releasing the mouse button. In this window the selected digital system and solenoid device address from the test keyboard will appear automatically.

Afterwards you can make all settings in this window as usual.

4. Recording solenoid device data with the help of the test keyboard for Selectrix

The mode of operation is the same as described before but the windows will have a different appearance.

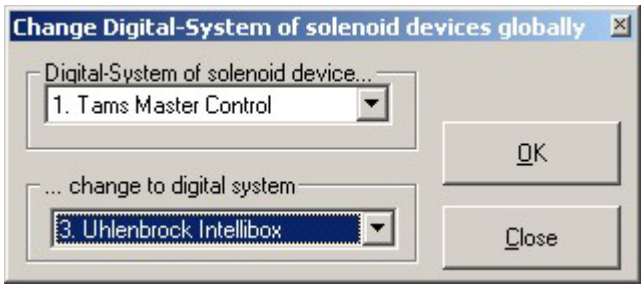


5. Changing digital-systems of solenoid devices globally

If you use multiple digital-systems for model railroad you can easily change the digital system, which controls your solenoid devices.

Click in the track diagram editor on the menu <Options> <Changing digital-system of solenoid device> or on the button in the toolbar.

Now you will see a window for changing digital systems globally.

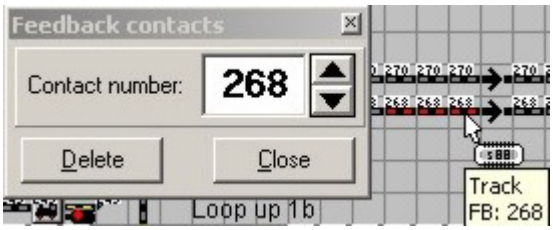


In the upper selection box you can choose the current digital-system for controlling your solenoid device and in the lower selection box you can choose the new digital-system for controlling your solenoid devices.

With a click on '***OK***' you can change now the digital-systems for the solenoid device of the old digital system after confirming a security question.

6. Recording feedback contacts

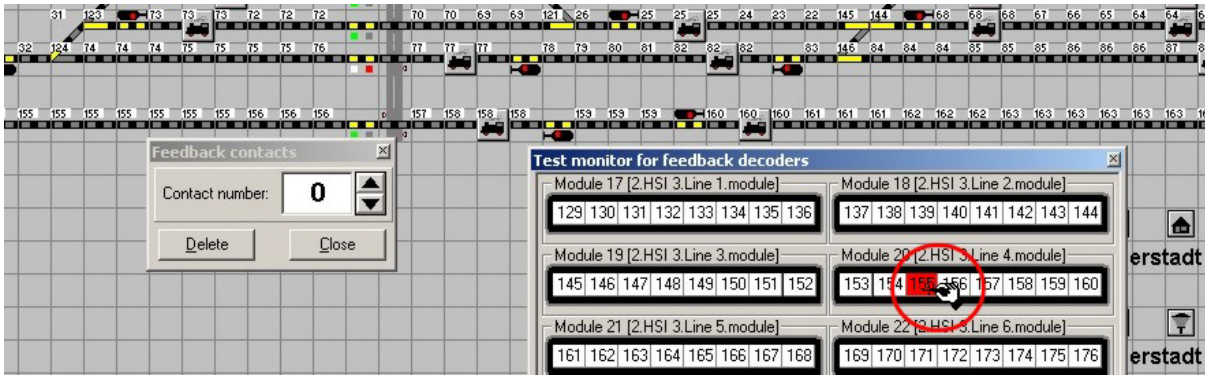
Click on the menu <Record> and then on <Feedback contacts> or on the switch in the toolbar. The window „Feedback contacts" appears and all feedback contacts recorded so far are displayed. In the *„Contact number"* panel enter the item number of the contact, either through mouse clicks on the arrows or via the keyboard.



The two selection boxes „*s88-modules*" and „*Connection*" known from version 9.0 have been removed.

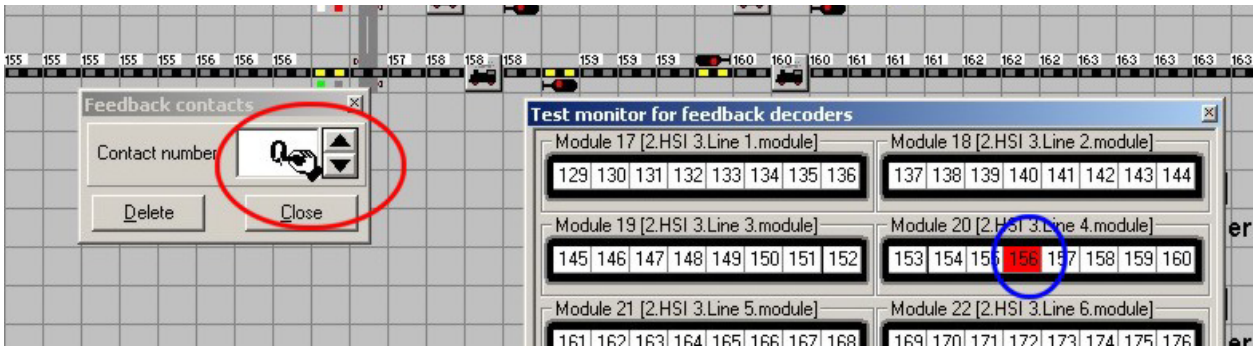
7. Recording feedback contacts via feedback monitor

You can also easily select the feedback contact number for the recording of feedback contacts directly from the feedback monitor. For example this is very useful if you don't remember your exact wiring of feedback contacts and search the corresponding feedback contact number for a track part via the feedback monitor.

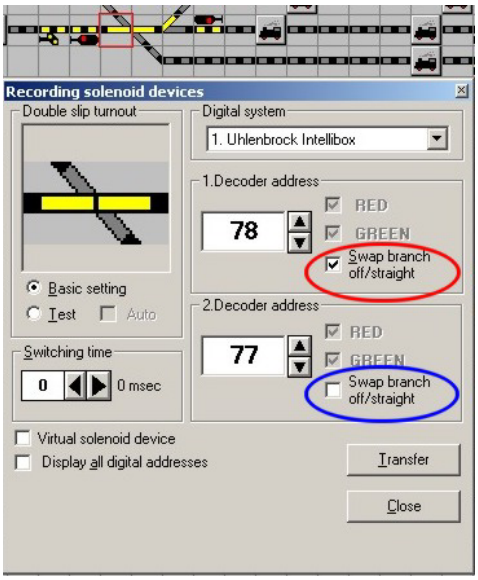


Click on the menu <Record> and then on <Feedback contacts> or on the switch in the toolbar. The window „Feedback contacts“ appears, and all feedback contacts recorded so far are displayed. After a click with the middle mouse button (or with the left mouse-button + Shift) on a feedback contact number in the window „Test monitor for feedback decoders“ the mouse cursor will change to a hand (**RED** circle).

Now drag with pressed mouse button the mouse cursor to the white input box in the window „*Feedback contacts*“ (**RED** circle).

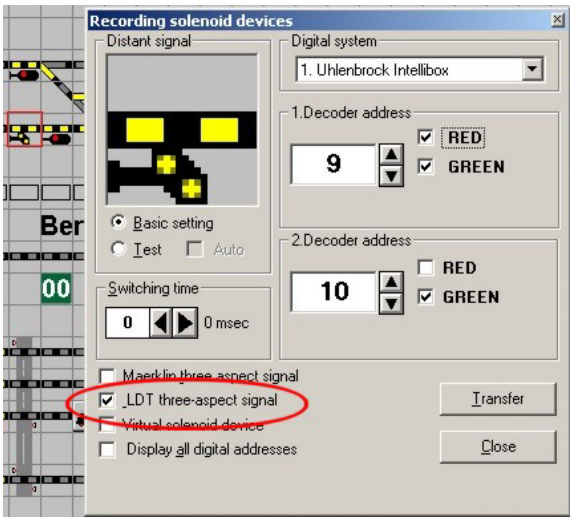


8. Swapping branches for double slip turnouts and three way turnouts



In the same way as can swap the branches for normal turnouts you can now also swap branches for both digital addresses of double slip turnouts and three way turnouts (separately). This is very useful, because otherwise you would have to correct the cabling from your turnout to your decoder.

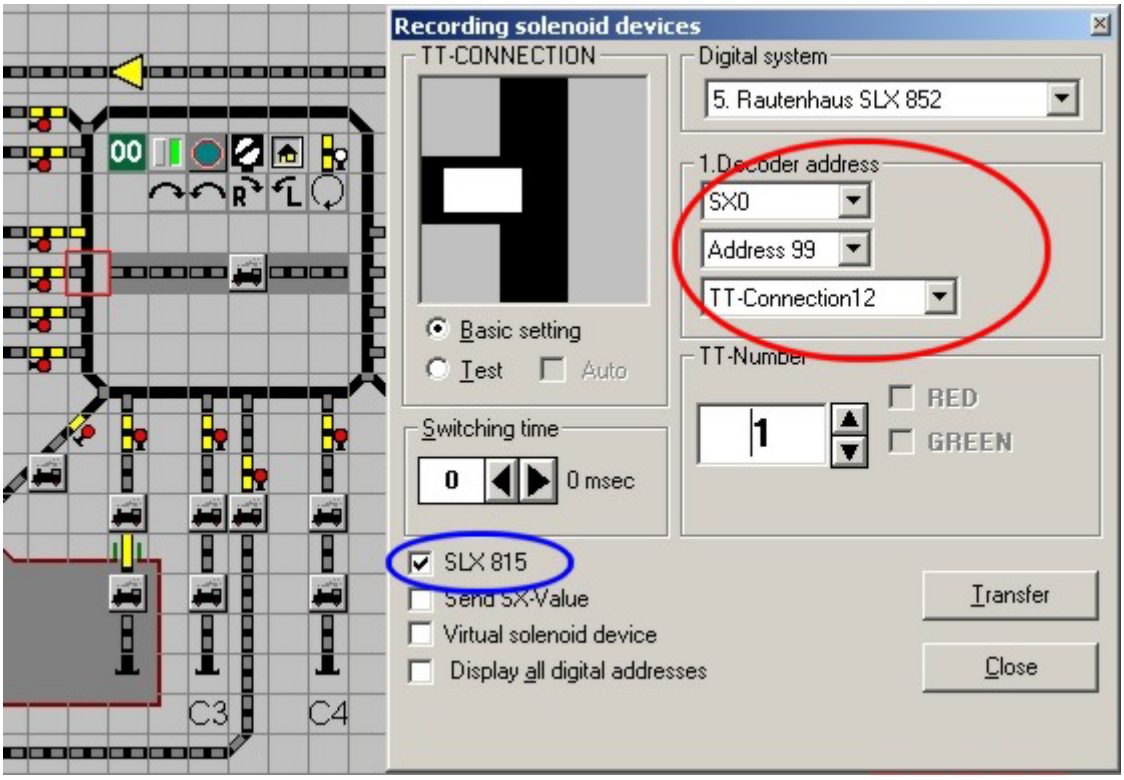
9. Three aspect light signals



If you use the light signal decoder from LDT in connection with three aspect light signals you should check the new box „LDT three aspect signal” in the „Recording solenoid devices” window. This improves the blanking function when using distant and main signal on the same post. But you have to be still careful in your routes not send any solenoid device commands to this decoder during blanking time.

10. Using the turntable decoder SLX815 of Rautenhaus

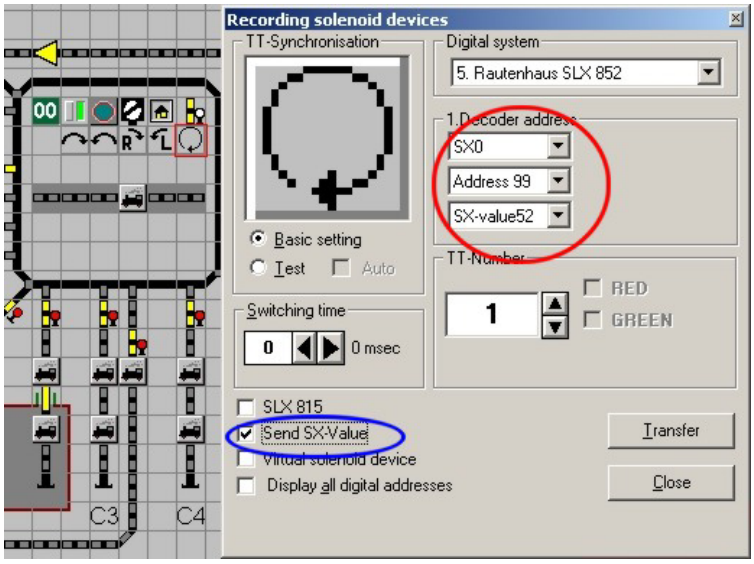
When using the comfortable turntable decoder SLX815 of Rautenhaus, you can register the turntable connector number very comfortable in the solenoid device recording window.



After checking the option „*SLX815*“ (**BLUE** circle) you can easily selected the desired turntable connection in the selection box (**RED** circle).

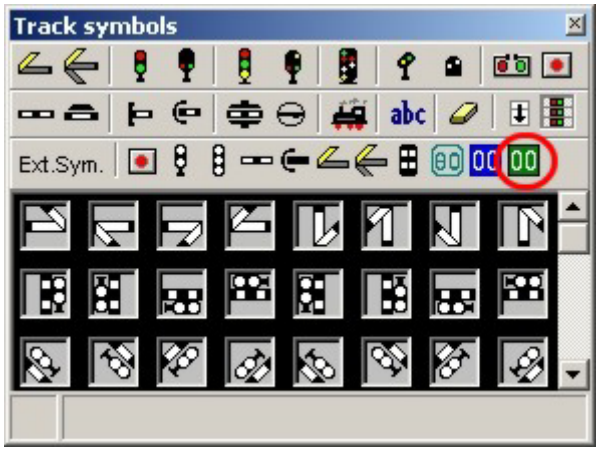
11. Send SX-Value

With a push button and the checked option *„Send SX-Value” (**BLUE** circle)* you can easily send a predefined SX-Value (**RED** circle) to an address of your Selectrix digital system.



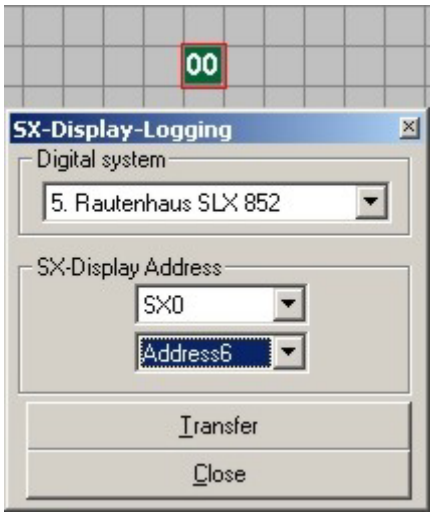
12. SX-Display in the symbol selection

If you use a Selectrix digital system, you can easily display the value of Selectrix addresses in your track diagram using a SX-Display from the symbol selection window (looks like a green train number display).



13. Selecting the address for a SX-Display

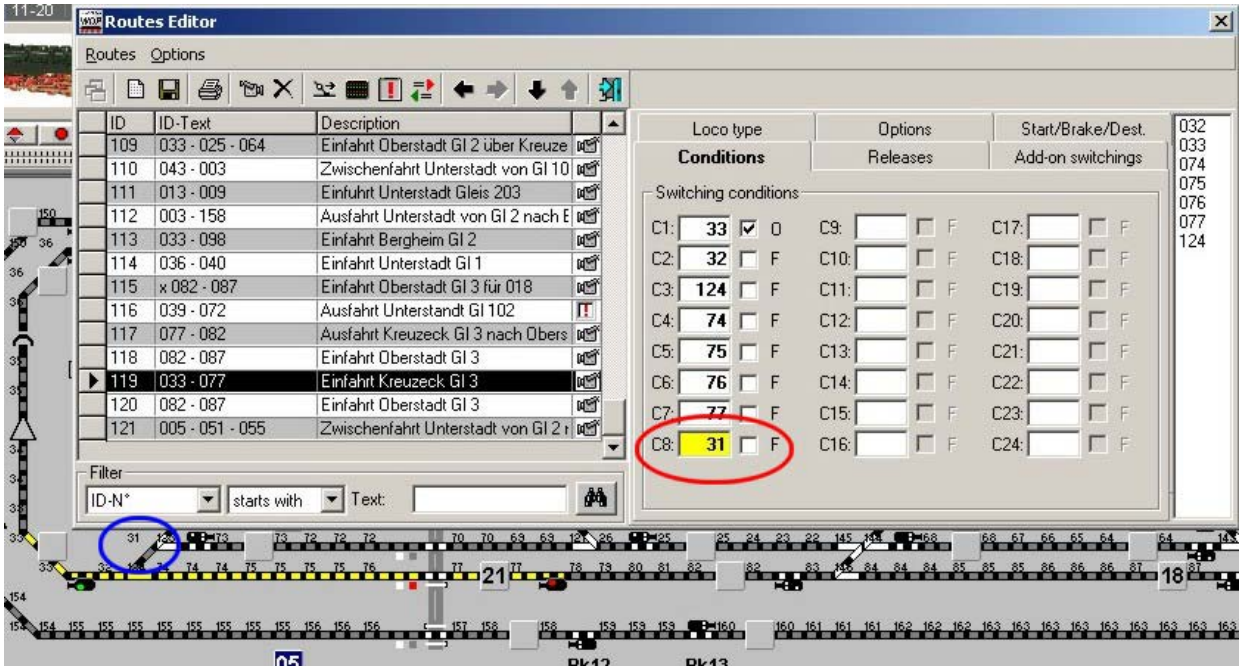
If you use the normal function for recording solenoid devices addresses in connection with a SX-Display you will get a window, where you can choose the desired address data for your SX-Display.



Afterwards this SX-Display will show in the main program the value of recorded SX-address.

Routes editor

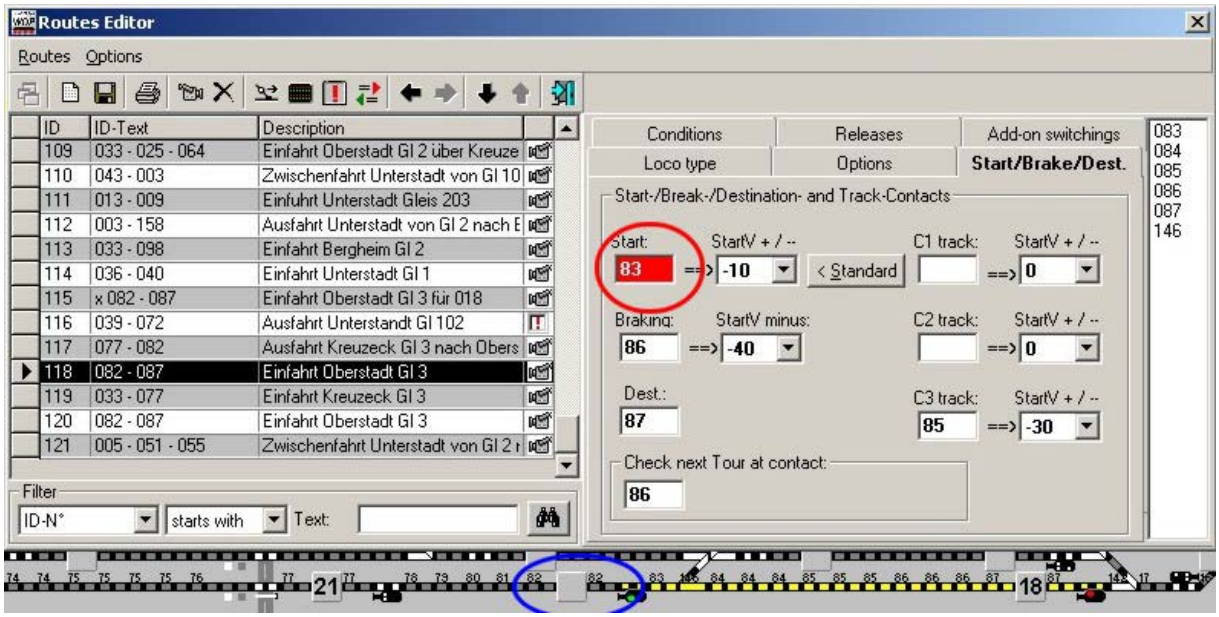
1. Switching conditions warnings



In this example the feedback contact 31 (see blue arrow) has been registered in the switching conditions of the route (see red circle).

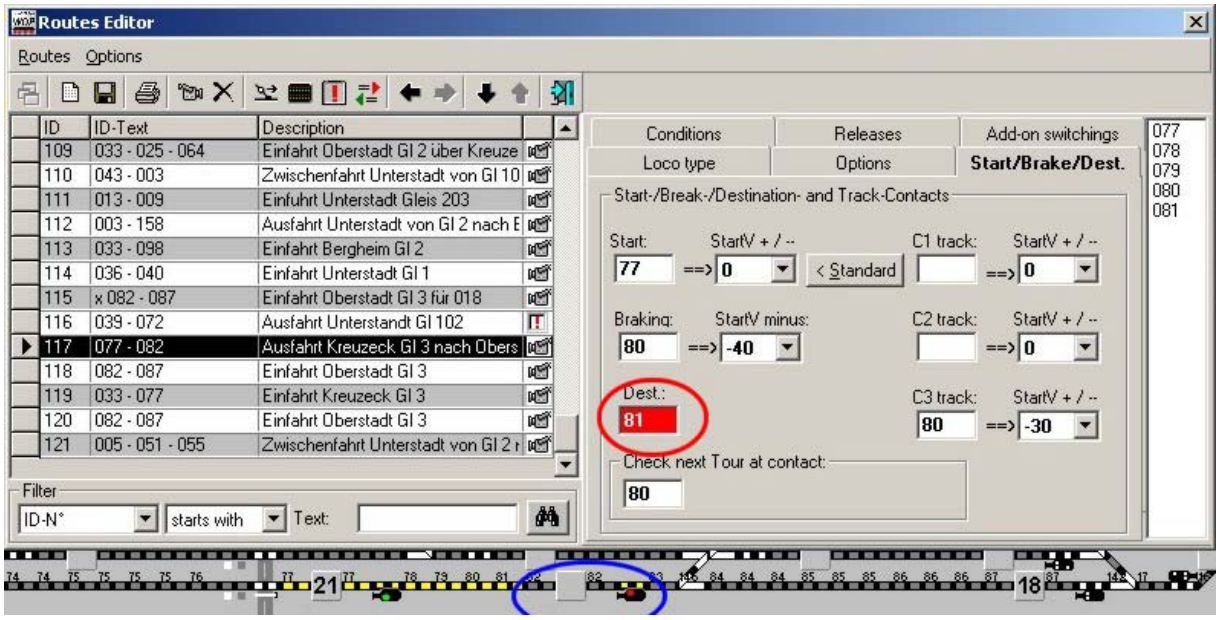
With the yellow back color of the registration field Win-Digipet warns the user, that this feedback contact is not part of the registered route.

2. Wrong start train number symbol error message



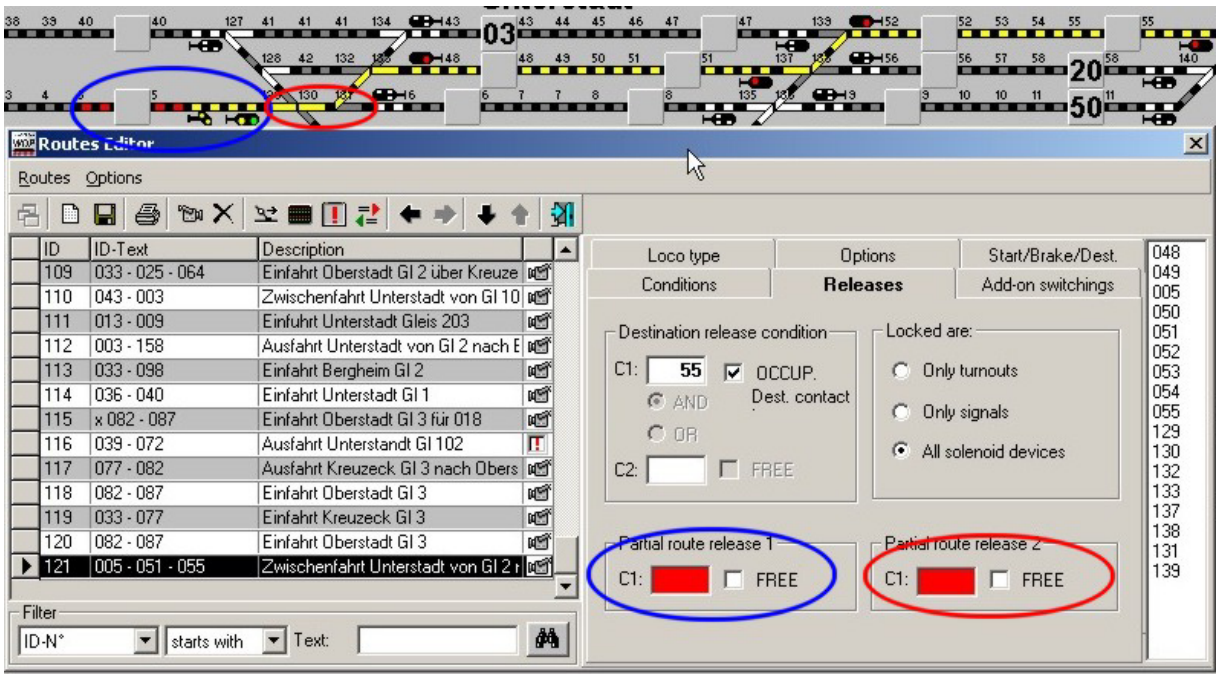
If you assign a feedback contact number to your start contact, which does contain a train number symbol, the input field is back colored red. In our example the feedback contact 83 has no train number symbol, possibly the user wanted to assign contact 82.

3. Wrong destination train number symbol error message



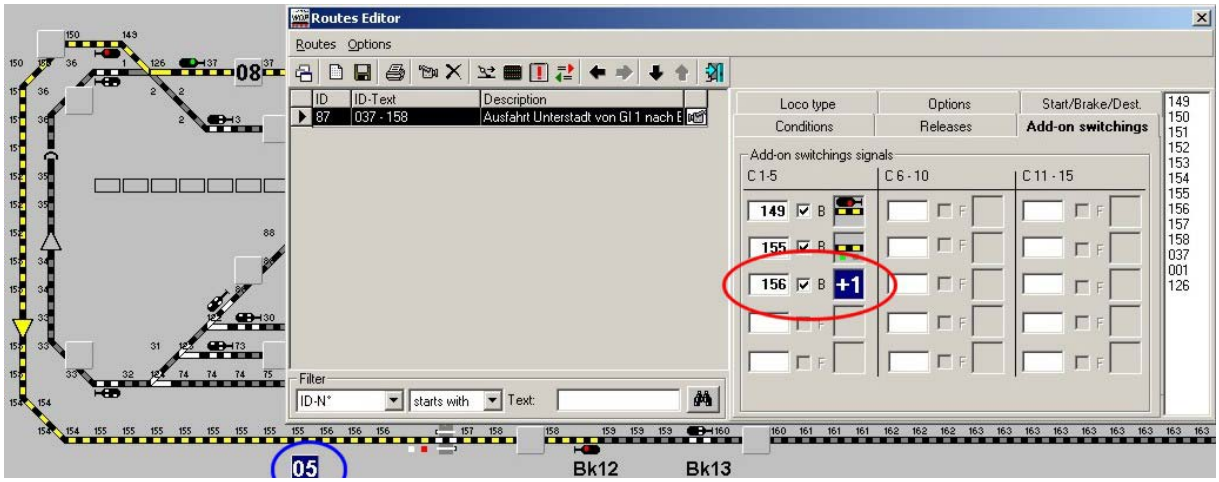
If you assign a feedback contact number to your destination contact, which does contain a train number symbol, the input field is back colored red. In our example the feedback contact 81 has no train number symbol, possibly the user wanted to assign contact 82.

4. Error message for missing release conditions



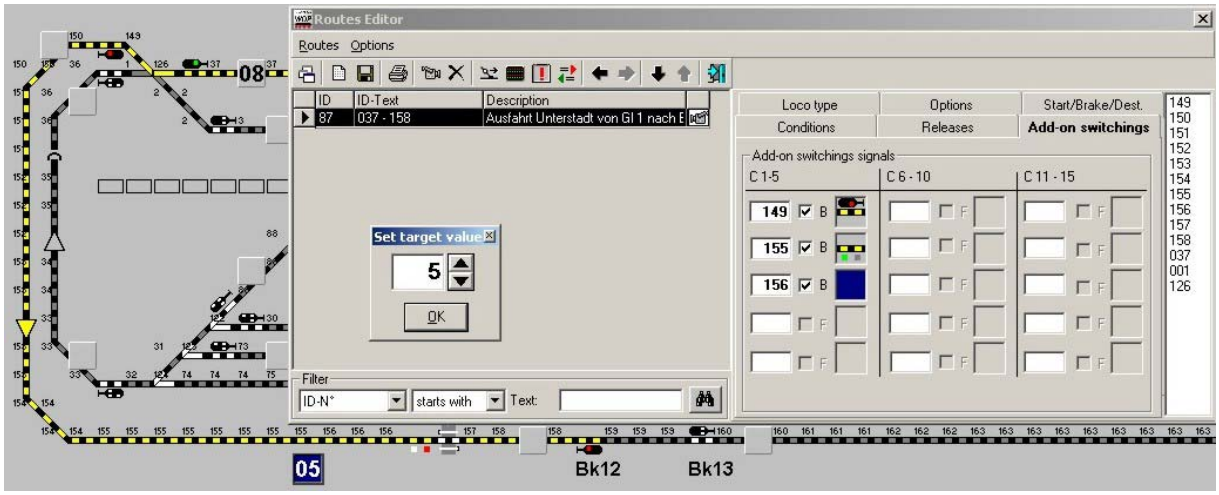
If you have forgotten to assign feedback contact numbers to one of the release conditions the according input field will be back colored in red.

5. Using counters in routes



You can use also counters in the addon-switchings of Win-Digipet, you only have to drag and drop the counter symbol from the track diagram to registration field in the routes editor in the same way as a normal solenoid device.

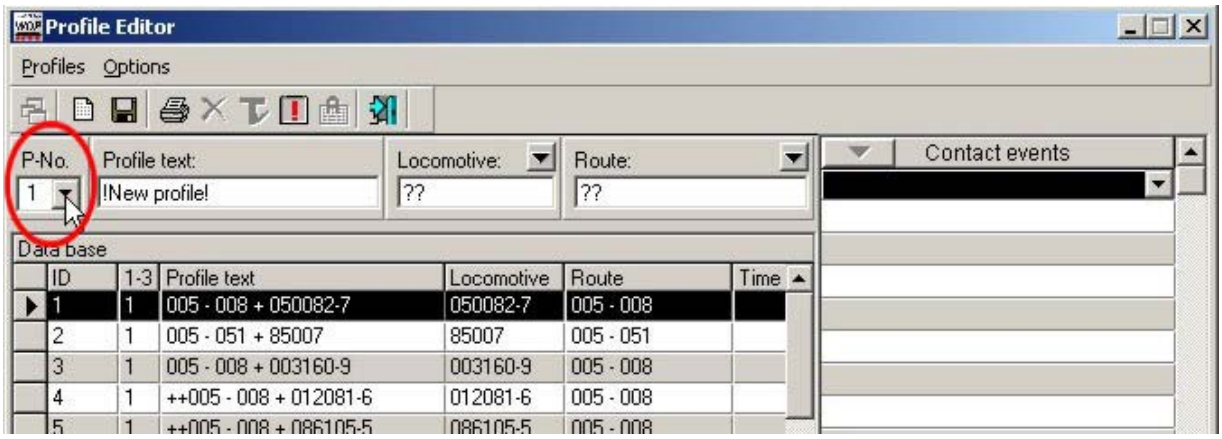
By clicking with the left mouse button you can change the way of counting +1, -1 or predefined fix value (00). To set this predefined value click with the right mouse button on the registration field containing the counter in the routes editor.



Profiles

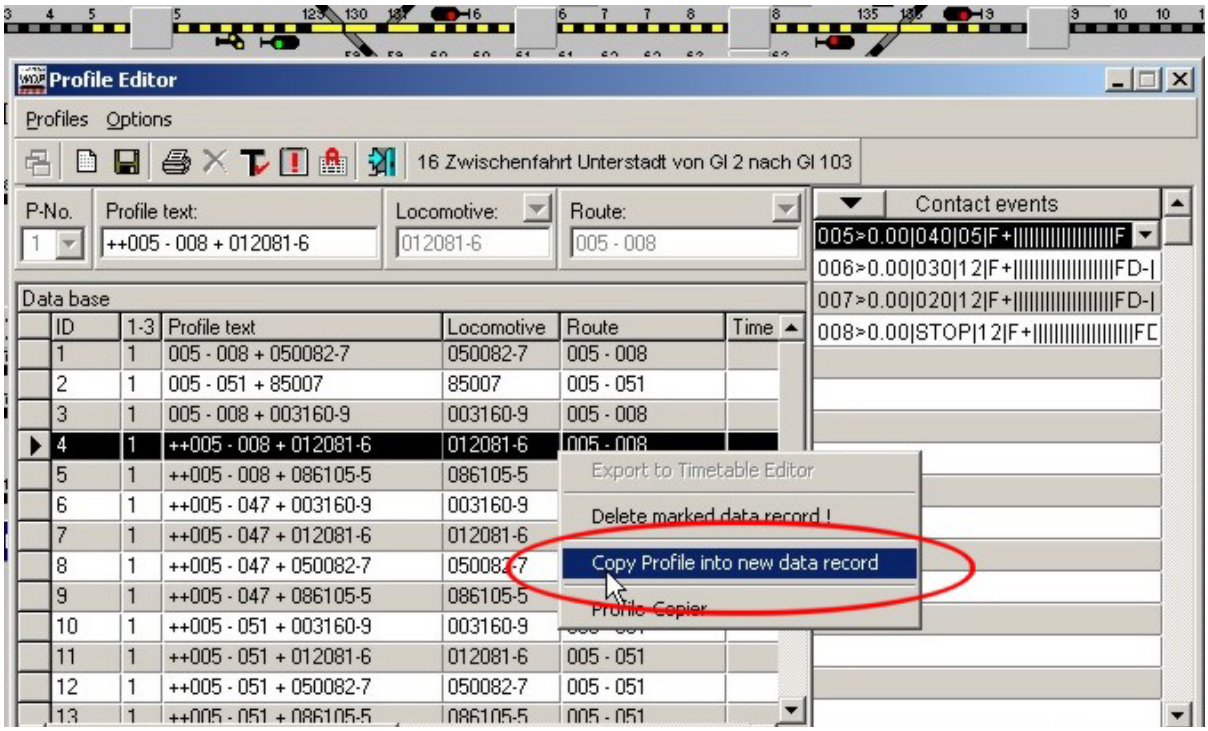
1. Creating profiles manually

In the past Win-Digipet assigned the profile numbers 1-3 automatically to profiles. Now in version 9.2 it is possible to select one of the three profile numbers when creating a profile manually.

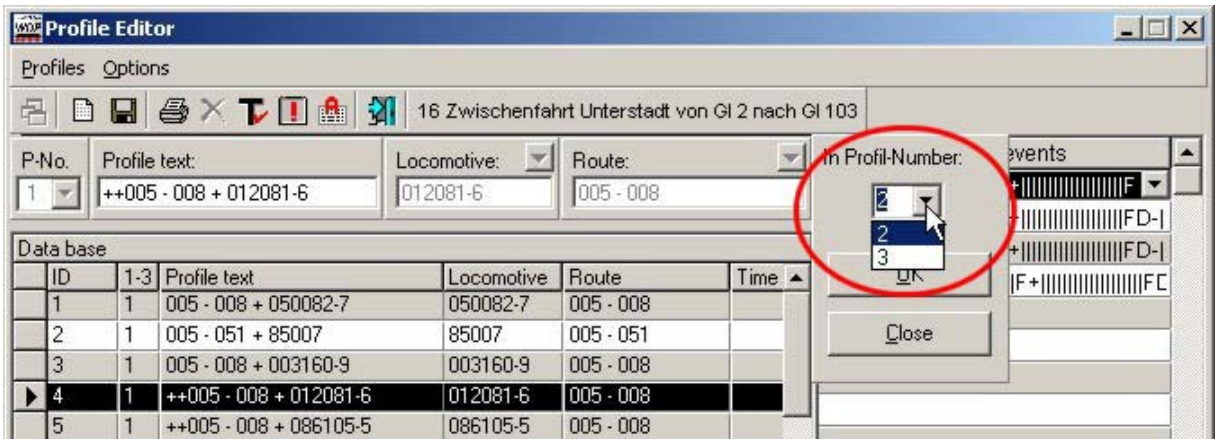


2. Copying profiles to new data record

If you want to create a second or third profile for a route/locomotive combination based on an already created profile for this combination, you can use the option <Copy profile into new data record> (**RED** circle) within the context menu in the profile editor. Select the source profile in the editor and open the context menu with the right mouse button and select the corresponding command.

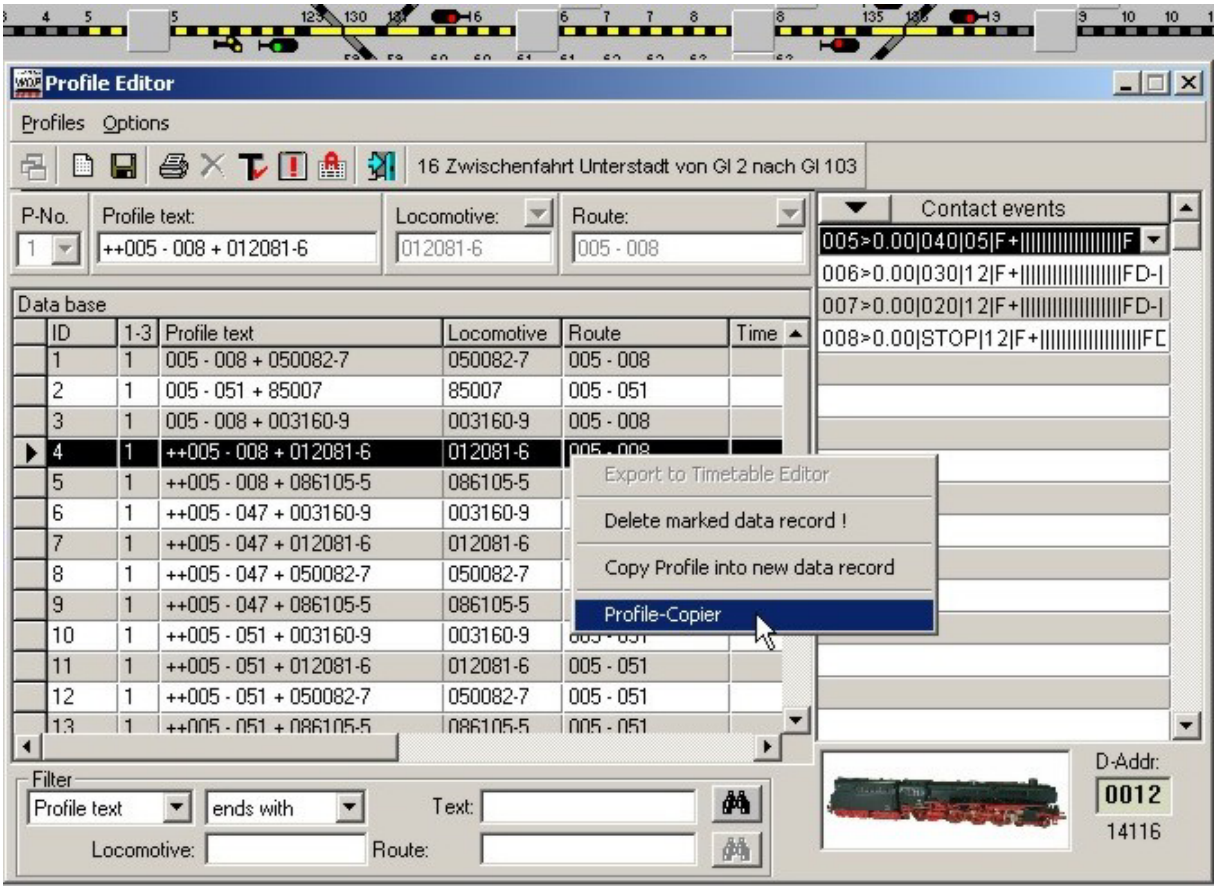


Now you can select the profile number of the destination profile and confirm with ***'Ok'***.

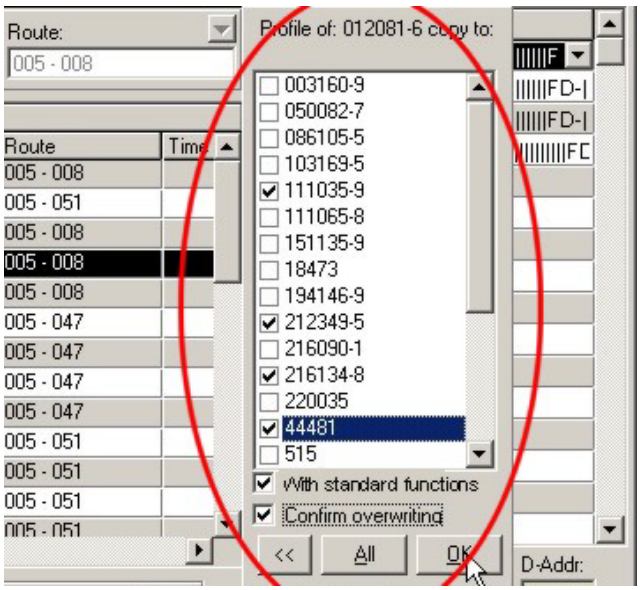


3. The profile copier

If you want to create a profile for a locomotive combination based on an already created profile for another locomotive in combination with this route (for example if locomotives have similar driving characteristics), you can use the option <Profile copier> (**RED** circle) within the context menu in the profile editor. Select the source profile in the editor and open the context menu with the right mouse button and select the corresponding command.



In the following window all possible locomotives for this route (depending on route's matrix) will be listed and you select for which locomotives and new profile for this route should be created based on the source profile.



By checking „*With standard functions*" the profile will be created based on the source profile, but using the standard functions from the locomotive data base instead of the locomotive functions used in the source profile (e.g. when copying a profile from a locomotive without interior lighting to a locomotive without interior lighting.

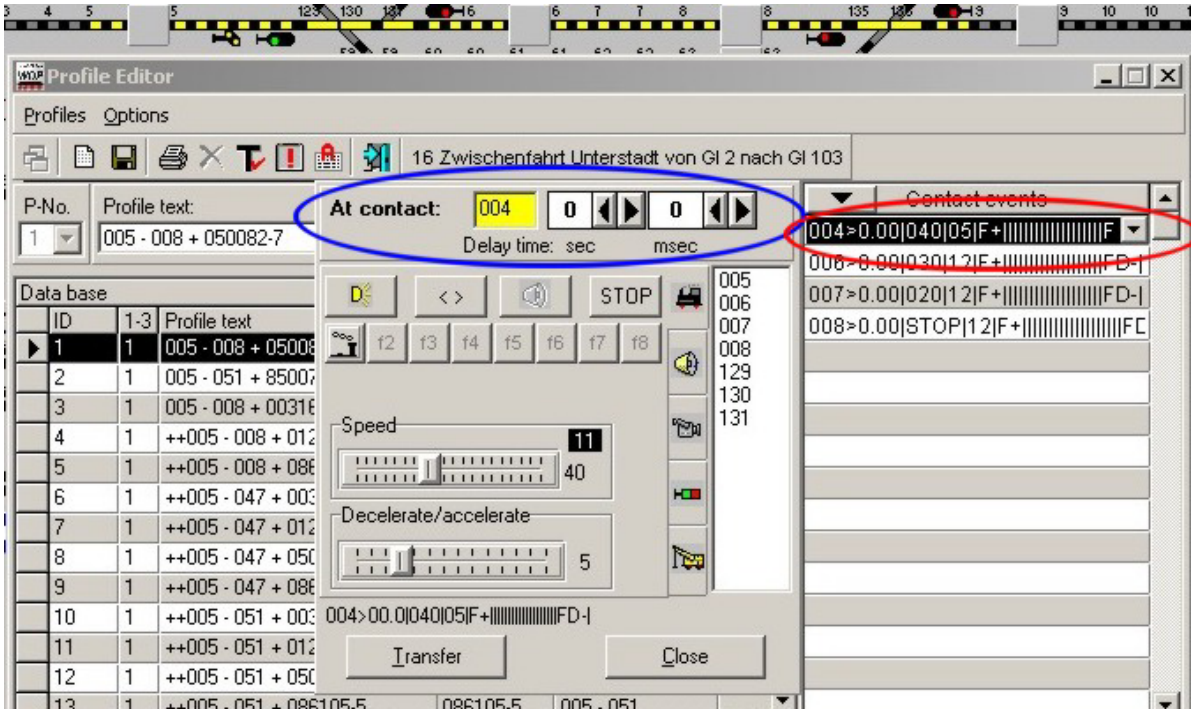
With the button '***All***' you can directly select all locomotives within the list.

You can confirm your selection with the button '***OK***' or abort the profile copier with the button <<.

If you check „*Confirm overwriting*" you will be asked before profiles will be overwritten, if a profile already exists for one of the destination locomotives.

4. Warnings concerning incorrect contact numbers

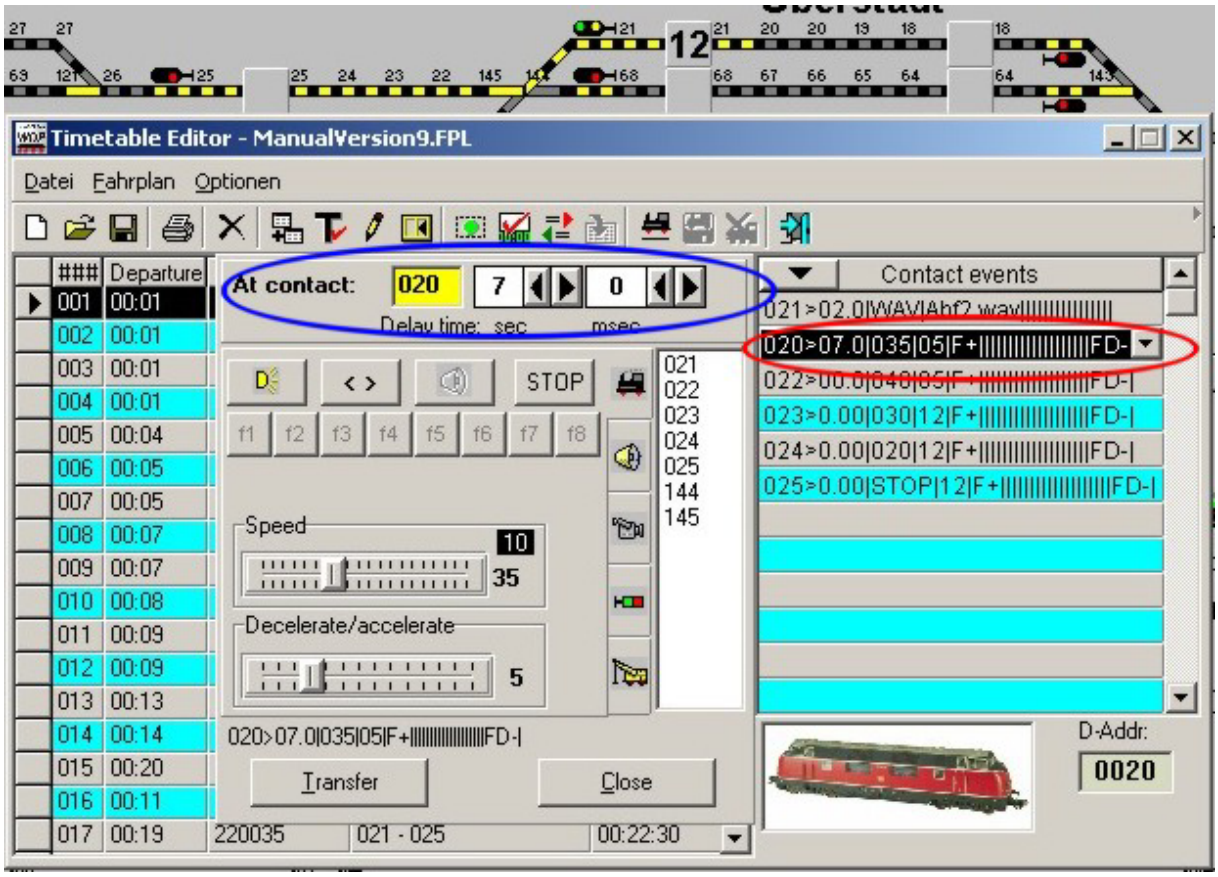
Also in the profile editor contact numbers, that are not part of the affected route, are indicated with yellow background (see picture below) in the editor for the contact events.



Timetable editor

1. Warnings concerning incorrect contact numbers

Also in the timetable editor contact numbers, that are not part of the affected route, are indicated with yellow background (see picture below) in the editor for the contact events.



Tour automatic editor

1. New symbols in the tour automatic editor

In the tour automatic editor rows...

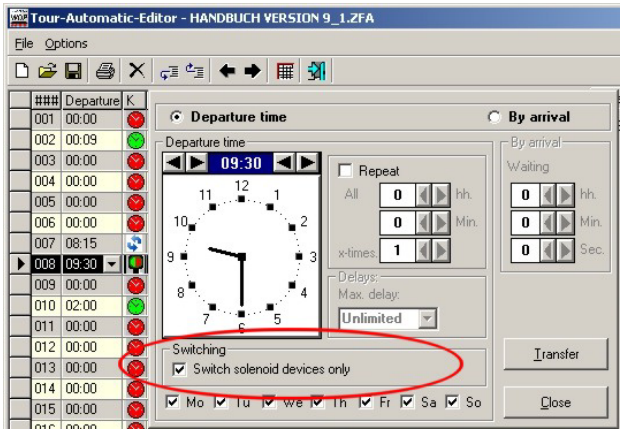
- with red symbol and yellow border have a waiting time.
- with the symbol contain solenoid device switching without train movement.

2. Solenoid device switching without train movement

In the past solenoid device switching without train movements were not possible. This feature was no included within the tour automatic.

With this feature you have the possibility...

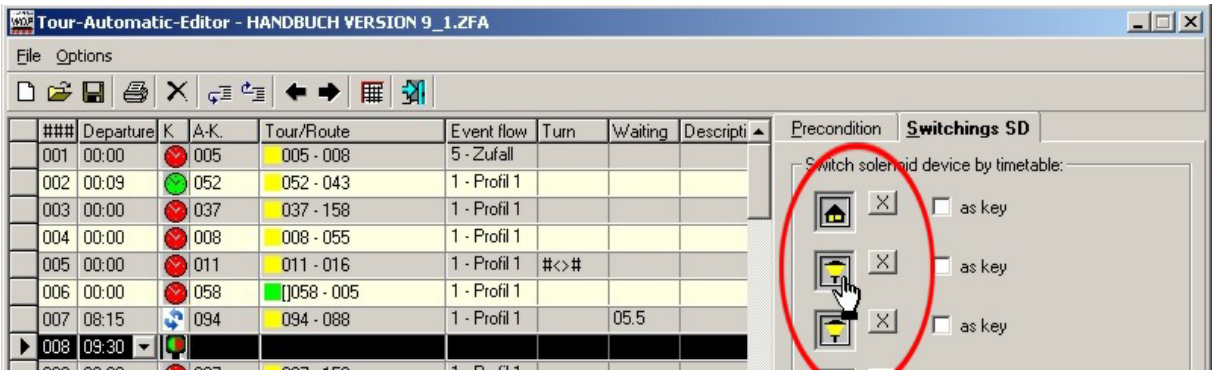
- to make solenoid device switching before the start of train operations (e.g. home track functions etc.).
- to make solenoid device switching for accessory decoders (e.g. fun fair, windmill) at specified point of time.



Therefore click on the small arrow in the column „*Departure*“ within the tour automatic editor, select the radio button „*Departure time*“ and enter the desired execution time and check „*Switching solenoid devices only*“ (**RED** circle).

Repetitions are also possible.

Afterwards confirm your selections with ‘***Transfer***’ and select the solenoid to switch on the new index card *„Switching SD”* on the right side of the window as used from the add-on switching in routes etc.. If you want the solenoid device to be switched off again immediately you can also check *„as key”* for each solenoid device.



Single solenoid can be removed from the switching tab with the buttons.

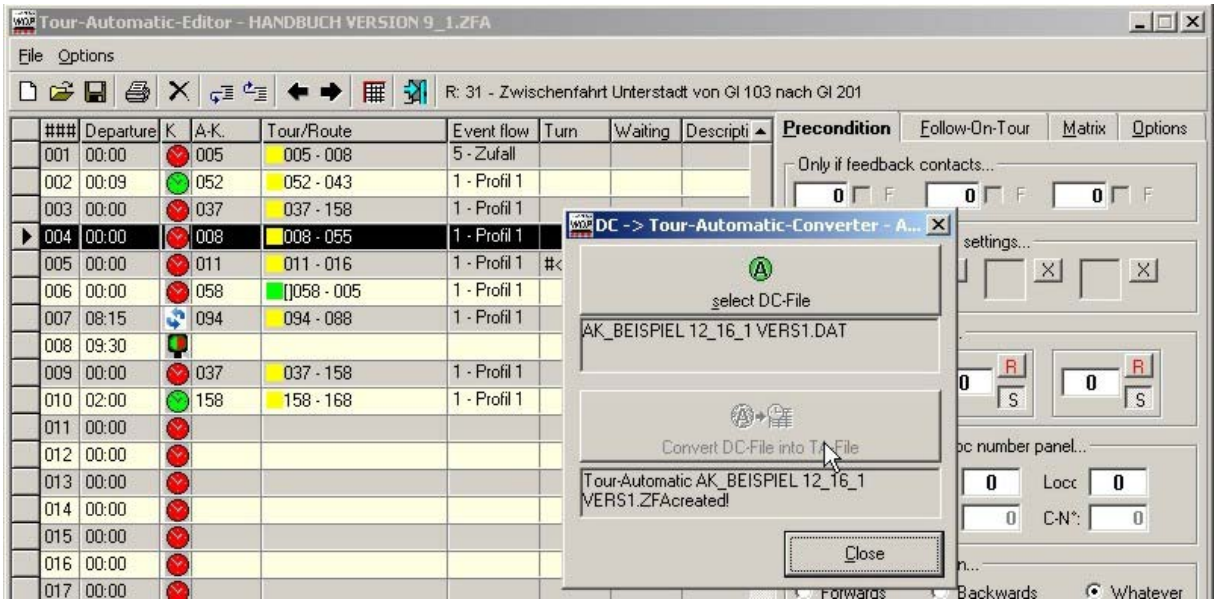
3. Converting DC-files to tour automatic files

If you have created your automatic operation with the old demand contact automatic you can easily convert this old automatic to the tour automatic.

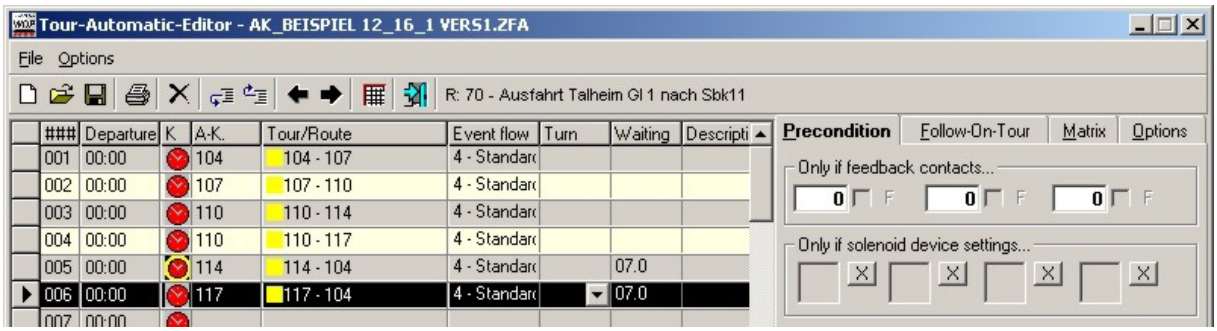
Important!
You should always use the check function of the DC-editor before converting a file to the tour automatic.

The converter can be reached via <File> <Convert DC automatic to tour automatic>.

In the converter window you can select a source DC file and convert it to a tour automatic file. It will be converted to a tour automatically with the extension „.ZFA".



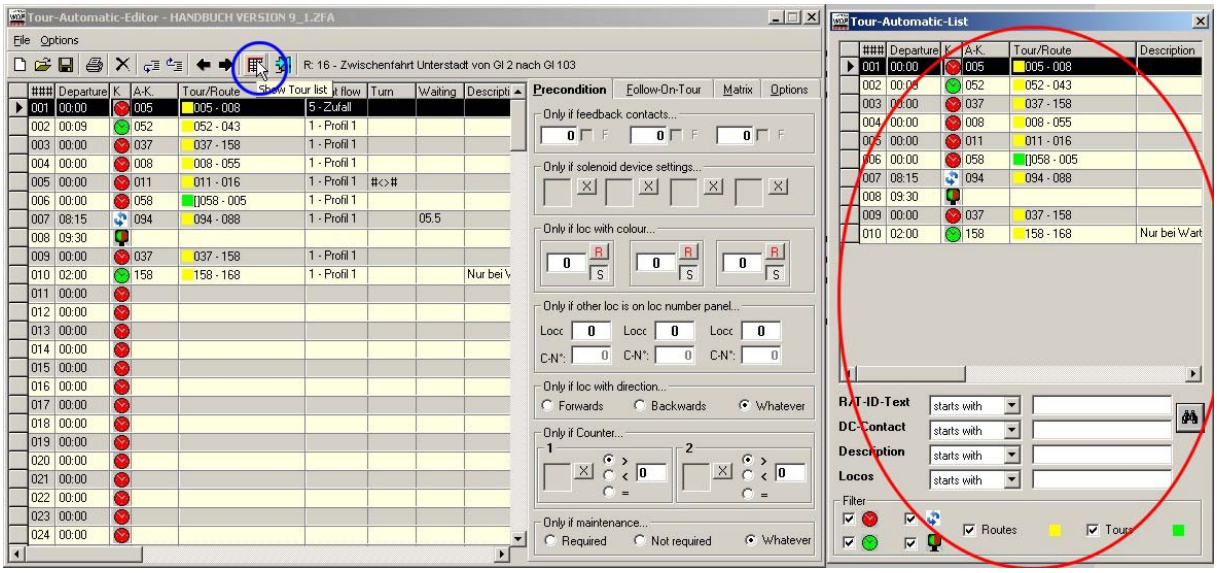
Afterwards you can open the converted file in the tour automatic editor as usual.



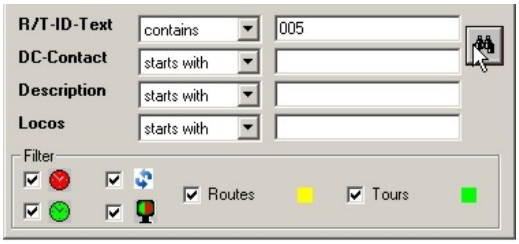
The converted tour automatic contains all registrations from the DC file as long as it does not exceed 900 rows. Only the automatic sections are unconsidered, because they are not supported in the tour automatic.

4. The tour automatic list

The filter function in version 9.0 has been replaced by the more comfortable tour automatic list in version 9.2. This can be opened using the button in the toolbar of the tour automatic editor.



This list offers you several functions for searching and filtering the rows within your tour automatic editor.



Tip!
For faster working you should arrange the two windows side by side as showed above.

You can confirm your filter selection with the button . Afterwards you can navigate to the filtered rows and edit the rows in the tour automatic by selecting them in the tour automatic list by clicking with the left mouse button.

5. Only if maintenance

If you want your locomotives or cars to execute special routes when maintenance is needed e.g. moving to battery charging station for cars or to the locomotive shed for oiling, you can use the new condition *„Only if maintenance"* within the tour automatic editor. Here you select whether the row should be executed if maintenance is (not) required or in every case.

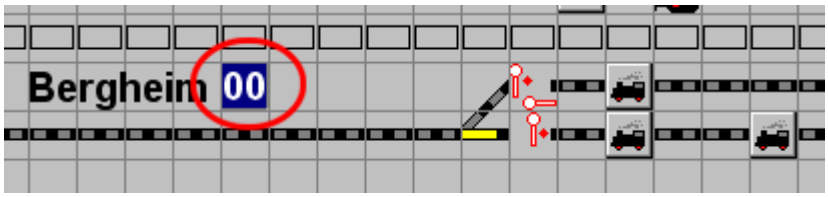
6. Description

It is now possible to add descriptions to every row (up to 100 characters per row, no special characters) of the tour automatic editor, this very useful for storing comments etc. for special rows of the automatic (e.g. rows, that are only executed when maintenance is required). See red circle.

The new counter functions

1. Adding counters to your track diagram

Version 9.2 now supports counter symbol, which help to use counting functions for your automatics. For adding a counter symbol to your track diagram, simply click on the new blue counter symbol in the symbol selection window and drag it to desired position in you track diagram.



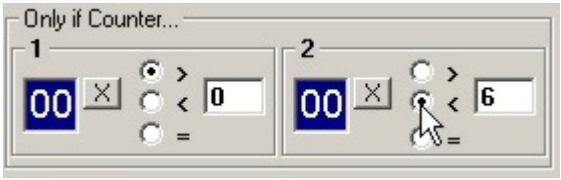
You don't have to assign a solenoid device address to this symbol.

2. Changing the counter value manually

You can change the counter value by clicking with the left mouse button on the counter symbol in you track diagram.

The counter symbol supports values from 0 up to 999.

3. Using counters as conditions in the tour automatic editor



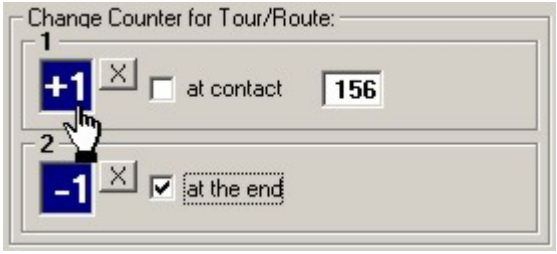
The new counter symbols can be used as conditions in the tour automatic editor.

For using counters as conditions in the tour automatic simply drag the counter symbol from your track diagram to the condition box of the according row of your tour automatic.

You can use the counter for the following conditions:

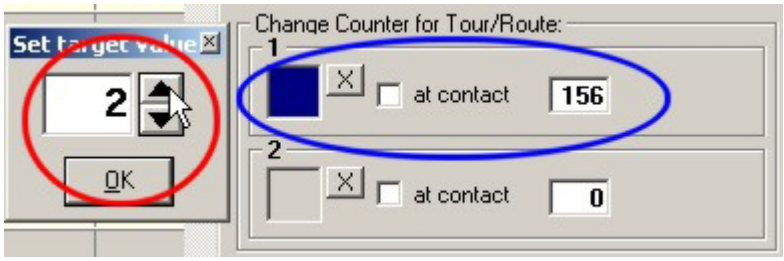
- counter is bigger (>) than a specified number
- counter is smaller (<) than a specified number
- counter is equal (=) to a specified number.

4. Change counter for tour/Route



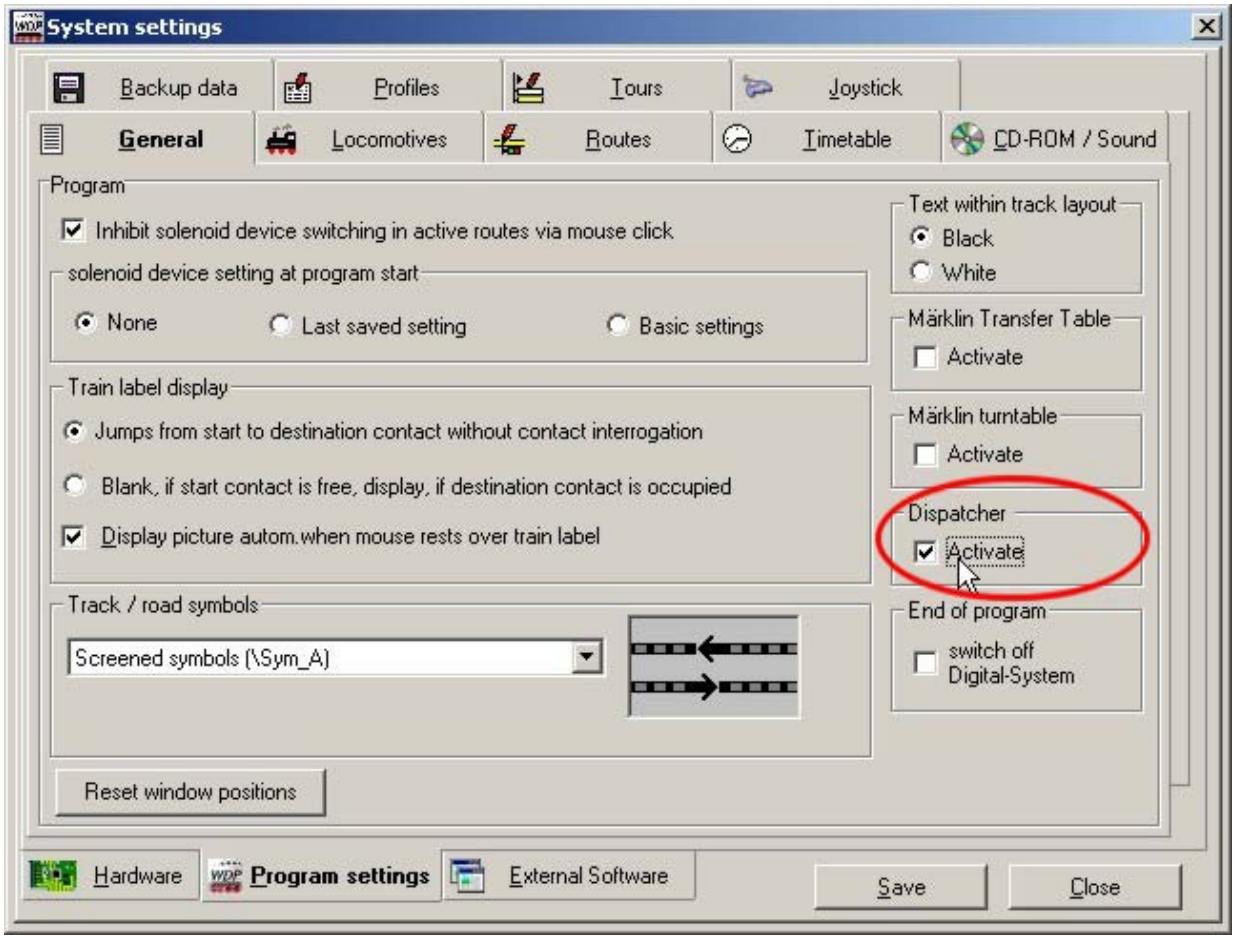
You can use also counters in the options of the tour automatic, you only have to drag and drop the counter symbol from the track diagram to registration fields on the options card of your tour automatic editor.

By clicking with the left mouse button you can change the way of counting to +1, -1 or predefined fix value (00). To set this predefined value click with the right mouse button on the registration field containing the counter in the tour automatic editor.

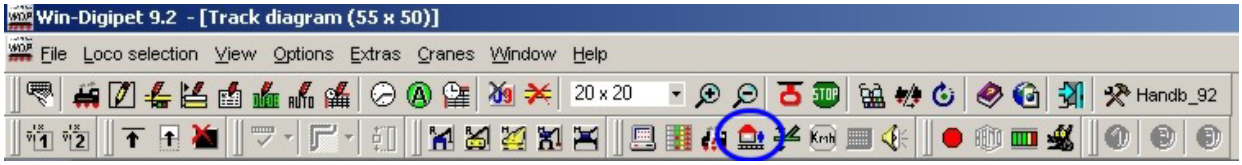


After selecting the way of counting, you have to select when to count, the first possibility is to count when a specified contact gets occupied. The second possibility is to change the counter after the end of the execution the edited row of the tour automatic editor, this option can be selected by checking the box left of „at contact".

The dispatcher



The new program „Dispatcher" can be activated in the system settings on the index card „General".



After activating the menu command <Extras> <Dispatcher> and the toolbar symbol of the dispatcher will appear.

You solve different control tasks with the dispatcher e.g.:

- Control of a level crossings
- Opening and closing of shed doors
- Lifting/lowering of bascule bridges
- Turntable or transfer table control

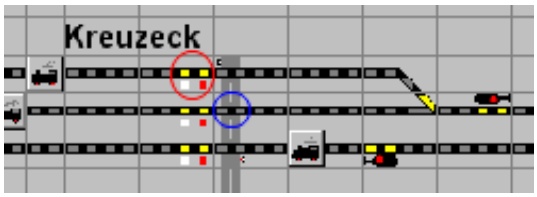
The control of a level crossing is described on the following pages.

1. Drawing a level crossing in the track diagram

The control of a level crossing will be used to describe the mode of operation of the dispatcher.

Draw a multi rail level crossing in your track diagram using the new symbols 338 (**BLUE** circle).

For controlling the level crossing with the dispatcher use the new virtual switches with symbol number 314 (**RED** circle).

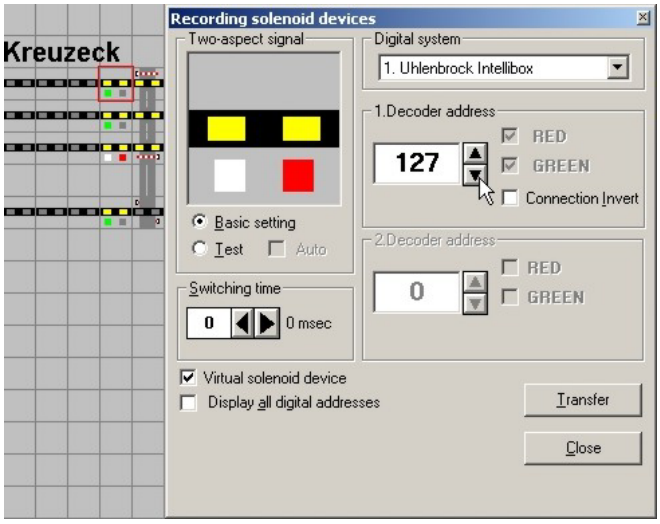


2. Assigning solenoid device addresses

When using multi rail level crossings assign this solenoid device address to all level crossing symbols (not only to the outer ones).

An eventual error message, that you have assigned this address to more than one device can be answered with **'*Yes*'**.

Afterwards you assign to every one of the virtual switches (**RED** circle in first picture) an individual **virtual** solenoid device address, because they are important for the control with the dispatcher.

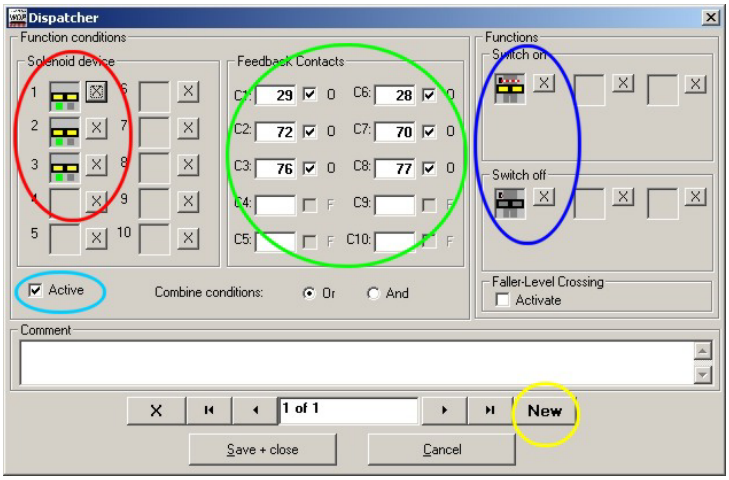


3. Configuring the dispatcher

The dispatcher can be opened with a click on the button in the toolbar of **Win-Digipet 9.2**. Now configure a new dispatcher task by pressing the button **'*New*'**.

Now you have to register the 3 virtual switches of the level crossing into the fields in the box „*Solenoid device*“ (**RED** circle) in position „Green”.

If you want the level crossing to closed also when the feedback contacts before or behind the level crossing are occupied register these contacts in the fields of the box „*Feedback contacts*“ (**GREEN** circle) and check „Occupied”.

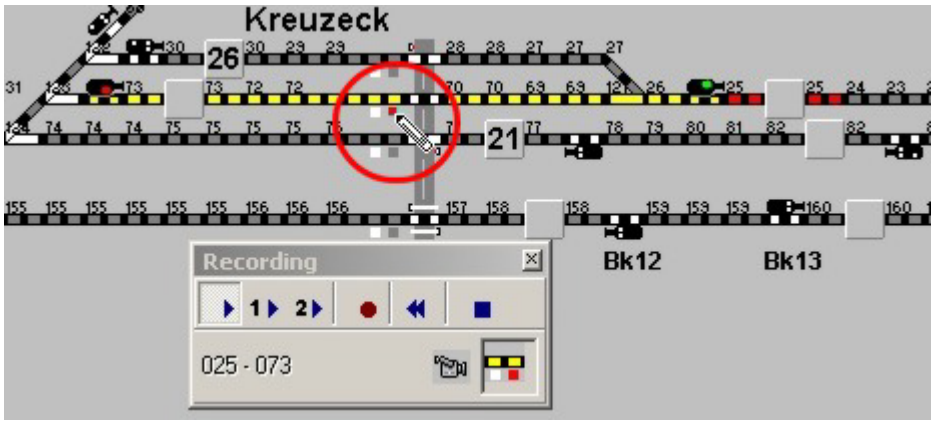


The functions, which are controlled by the dispatcher, are registered in the input boxes „*Switched on*“/“*Switched off*“ (DARK **BLUE** circle). This means, that if the conditions on the left side are fulfilled the action under „*Switched on*“ will be performed and if they are unfulfilled again the action under „*Switched off*“ will be performed.

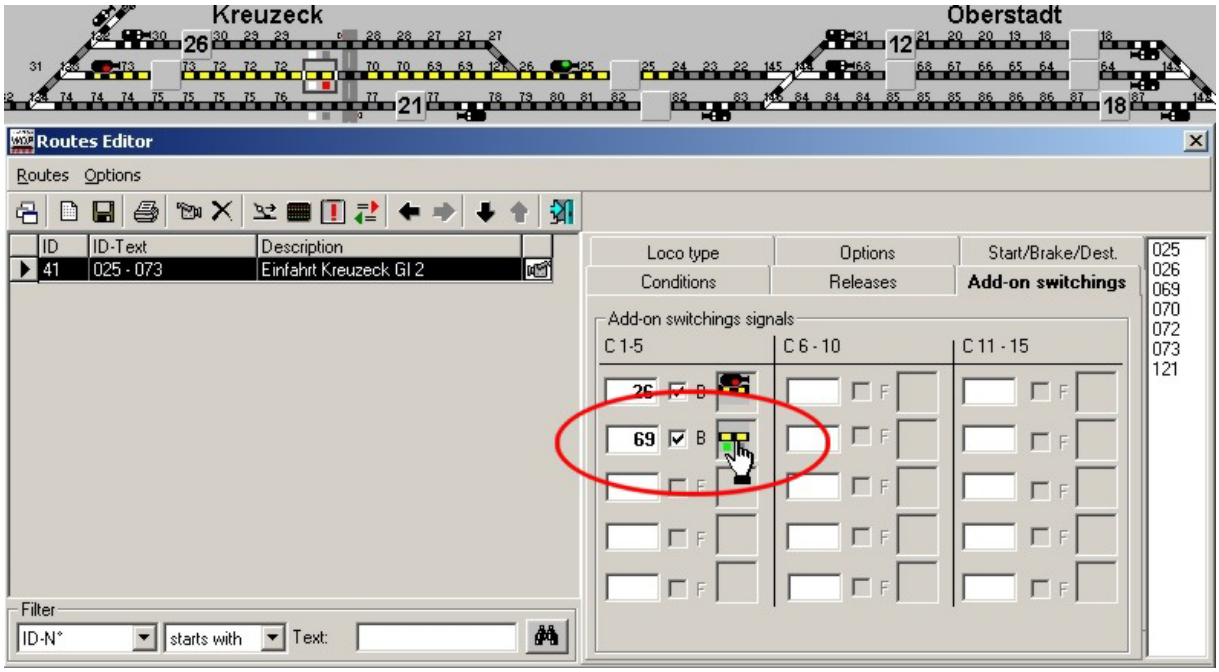
Afterwards activate this dispatcher task by checking „*Active*“ (LIGHT **BLUE** circle), add a description and close the windows using the button **‘*Save + close*’**.

You control the function directly by switching one of the virtual switches to red or by occupying one of the registered feedback contacts.

4. Controlling the level crossing using a route



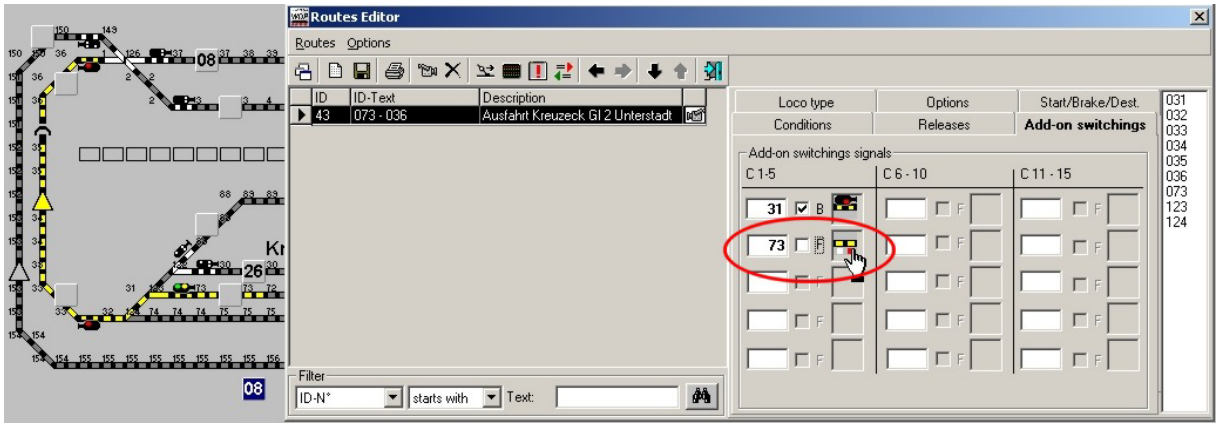
As you can see in the picture the level crossing itself was not included into the route by the virtual switch in position **RED**.



On the index card „Add-on switching” the virtual switch is set back to green when contact 26 is occupied, this will force the dispatcher to close the level crossing.

5. The level crossing is reopened

Using the add-on switching as described will force to close the level crossing when the train arrives the station. An add-on switching in a route leaving the station will switch the virtual switch back to red. This will force the dispatcher to reopen the level crossing, but only if no other train (on one of the other rails) occupies the level crossing too.



The virtual switch is switched to position „**RED**" when contact 72 gets free.

6. Controlling the level crossing with feedback contacts

By registering also feedback contacts in the dispatcher task as described in section **3**, it is guaranteed, that the level crossing is also closed during manual operation in the station, because the level crossing will also be closed when one of the registered feedback contacts is occupied.

7. Multi rail level crossings

When 10 switching conditions in the dispatcher you can control a level crossing with up to 10 rails.

Tip!
The level crossing will only be reopened when none of the conditions registered for this dispatcher task are valid any longer.

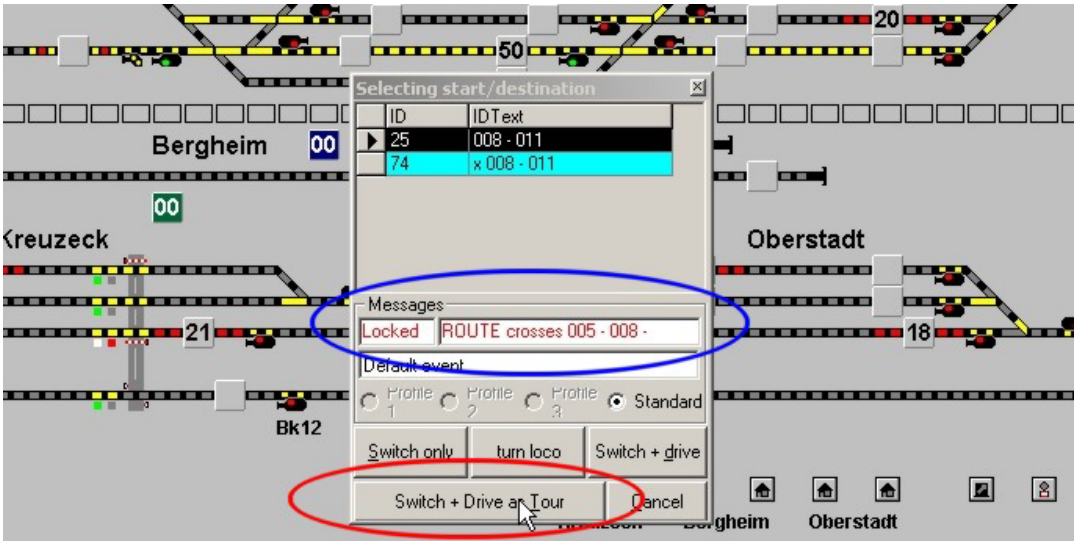
8. Activating/deactivation the dispatcher globally

If you want to disable a single dispatcher task, you can do this by checking the relevant button in the dispatcher window, but you can (de-)activate the dispatcher globally using the according option in the menu <Options>.

Model railroad operation with Win-Digipet 9.2

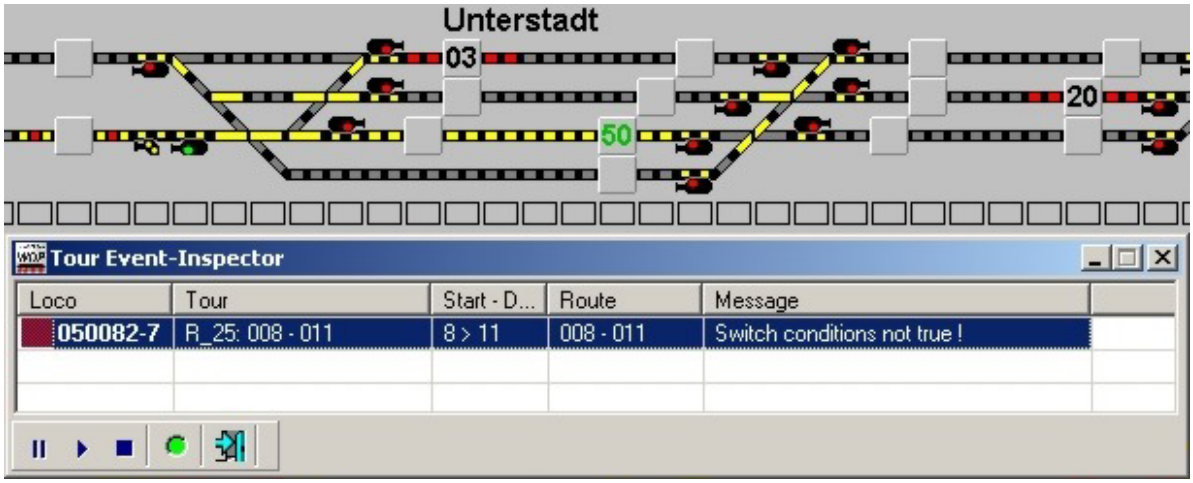
1. Switch + Drive as tour

The manual start/destination select for routes has been extended with the button '***Switch + Drive as tour***'.



With this window you can pre-select a route that can not be executed at the moment due to switching conditions or crossing routes but it will be executed as soon as all conditions for switching are fulfilled. This is the same as if you would create tours containing only one route and executing them with start/destination-function for tours.

After pressing the button '***Switch + Drive as tour***' the route will appear in the tour inspector and executed as soon as possible.



Important!
You can select '***Switch + Drive as tour***' only for locomotives, that are actually not part of a route or tour. This means you can not pre-select the route for a moving locomotive.

2. Resetting routes

Switched routes can be resetted aborted via...

- the short menu of the right mouse button, selection: <Release routes>
- or the function key **F7**
- or the menu <View> <Release routes>
- or the button in the toolbar.

The window „Reset routes“ with all currently executed routes will appear.

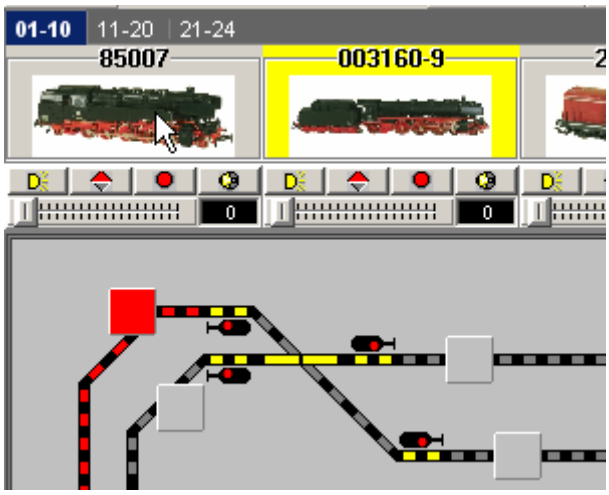
Within the window you have the possibility...

- to select several routes by checking
- to actualize the list and...
- then to reset the selected or
- all routes in the list.

This function resets all parts of the selected routes including locked solenoid devices, driving command, profiles, release conditions and add-on switching.

3. Searching the train number displays of locs

If you have a bigger track diagram it is often difficult to locate the position of a single locomotive.



To locate a locomotive simple click with the middle mouse button on the locomotive's picture in the loco bar or the locomotive control. Also a click with the middle mouse button on the digital address in the locomotive monitor will lead to the same result.

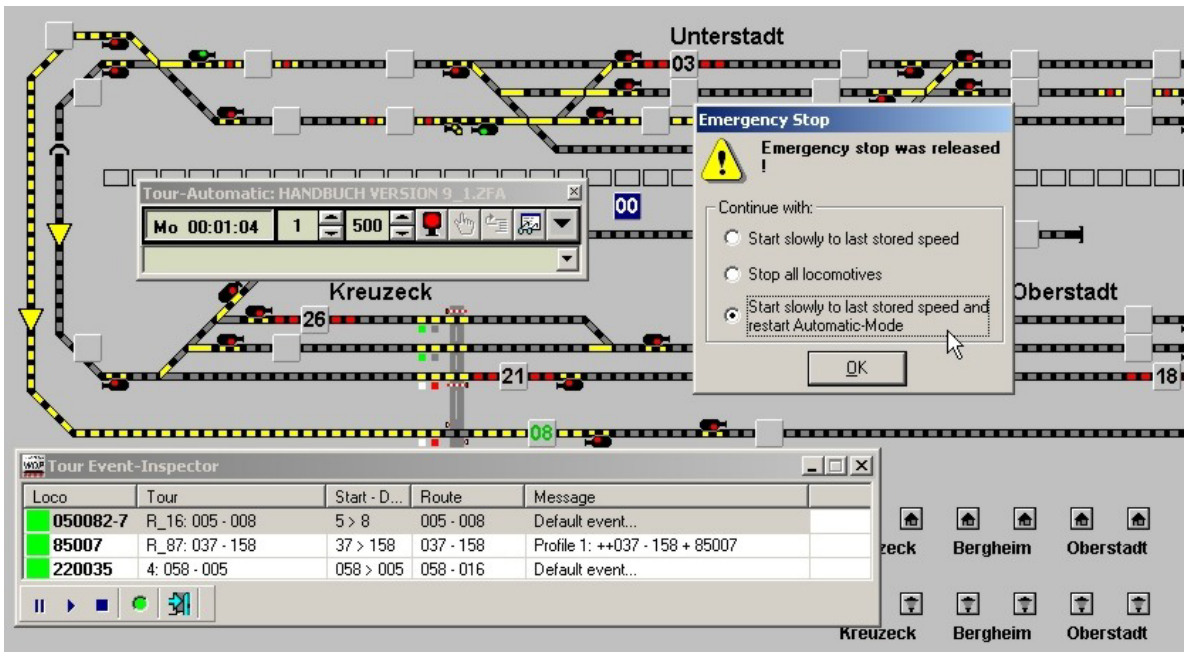
As you can see in the picture, the train number display, where the locomotive can be found will be painted red will the mouse button is pressed.

Tip!
If the train number display with the locomotive is outside the displayed area of the track diagram you can use the same procedure as described above, but hold the Shift-Key down will clicking! Now the program will scroll to the locomotive's position within the track diagram.

4. Emergency stop via F9

At any point of the program you can perform an emergency stop by pressing the function key **F9** of your computer. You can reach the emergency stop also via <Options> - <Emergency stop> or the switch in the toolbar.

An „emergency stop" window will open.



After an emergency stop you have now an **additional** option for continuing:

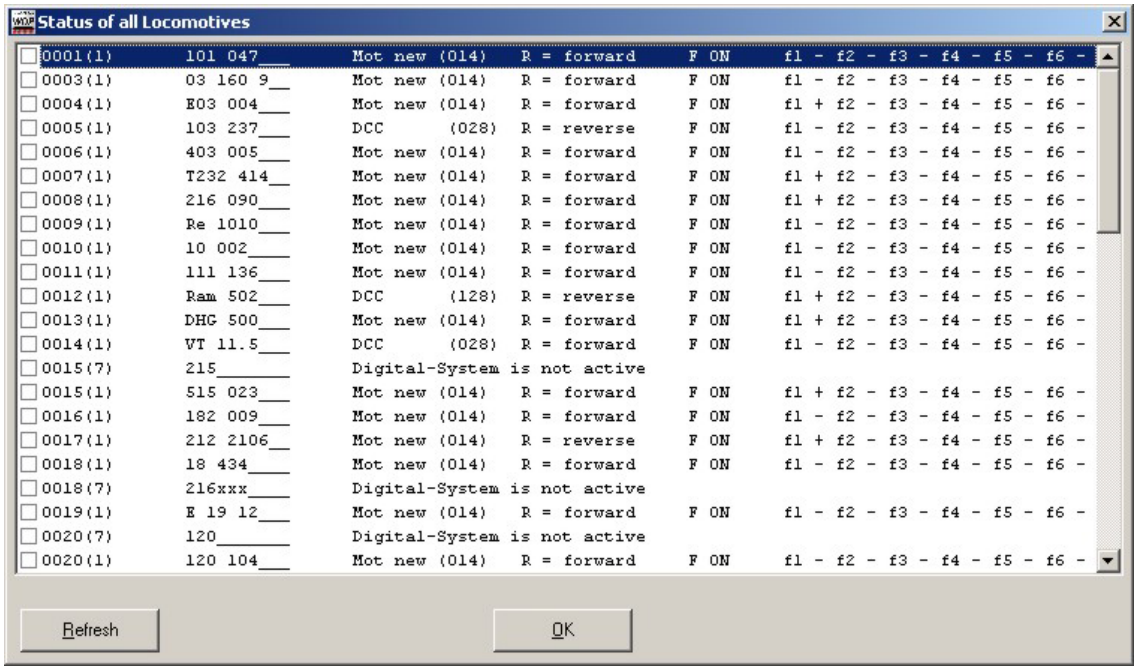
- *„Start slowly to last stored speed and restart automatic mode"* .
  All locomotives will be adjusted to their last stored speed with their registered acceleration delay and the automatic will be restarted.

This option is only enabled if an automatic was a running at the moment of the emergency stop.

5. Several status windows and print-outs

- <Status of all locomotives>

  This window can be reached via the button in the toolbar has been adapted due to the needs of multiple digital systems and the displayed information have been improved.



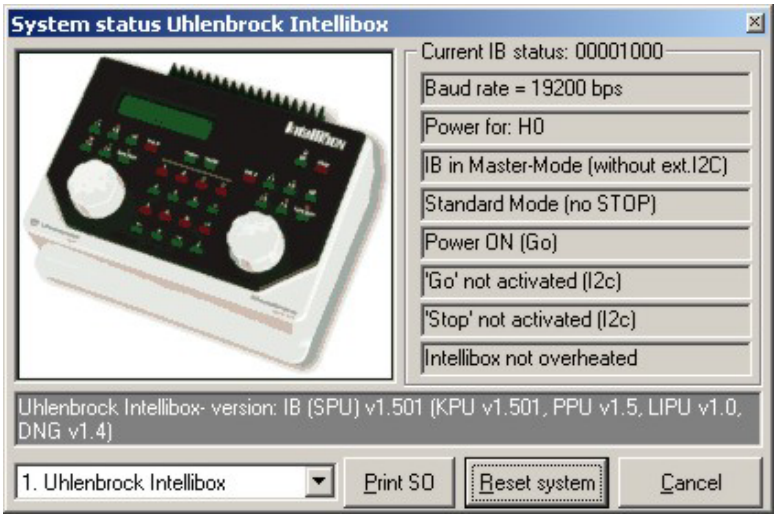
- <Status Digital Systems>

  Via the menu <Extras> <Status Digital-Systems> you can open an information window containing information concerning your digital systems (e.g. baud rate, version number etc.). The amount of information depends of our used digital systems, some systems information provide more information to the program and some less.

  Via the combo box on the lower left corner you can select between the information of your several digital systems.

  When using the **Intellibox** you can also open a window contain the special options.

  With a click on the button ***'Reset System'*** you re-init the digital system without restarting **Win-Digipet 9.2**.



6. COM-Displays in the toolbar

With a click on the buttons in the toolbar you can also the status windows of the several digital systems.

If one or all of the buttons appears in grey ( ) the „grayed" digital systems have currently no connection to the program. You activate a disabled system as described in section **5** above without restarting **Win-Digipet 9.2**.

7. New message window in Win-Digipet 9.2

The new message window in **Win-Digipet 9.2** now saves it position after closing, so you have the possibility to force the message window to appear always at specified position on your screen(s). This is especially important for users with 2 screens, because in many cases the window appeared in the past often just on the border between the 2 screens. Simplify move it one time to desired position and that's all!

Tip!
If your reset the window positions using the „Reset window position" in the maintenance program or the system settings, then you also the position of the message window will be resetted to center of the screen(s).

Keyboard commands in WIN-DIGIPET 9.2:

On the follow page you will find all keyboard command within **Win-Digipet 9.2** ready for printing.

Keyboard command and combinations in the Main Program of Win-Digipet 9.2

With the key.....

- **F1** you call the help function
- **F2** all Loco-controls get minimized and arranged at the top
- **F3** all Loco-controls get minimized
- **F4** all Loco-controls get closed
- **F5** you increase the zoom factor (Zoom +)
- **F6** you decrease the zoom factor (Zoom -)
- **F7** you release routes
- **F8** all locomotives can be stopped and started respectively
- **F9** you cause an emergency stop
- **F11** you can get from one open window to the next one
- **F12** the time table operation is stopped.

For changing of the train number symbol...

- RED **08** and BLACK **08** ALT + right mouse button
- BLUE **21** and BLACK **21** ALT and SHIFT + right mouse button
- To delete it the train number (also in the locomotive monitor) SHIFT + right mouse button

The additional key (e.g. ALT) has to be **hold** down while clicking

Start-/Destination-function for routes (see 18.5.1).

- Click with right mouse button on the start and then on the destination.

Start-/Destination-function for tour (see 18.7.1).

- Click with the middle mouse button on the start and then on the destination
- Click with STRG + right mouse button on the start and then on the destination.

Automatic route recording (see 8.5)

- Click with Shift + left mouse button on the start and then on the destination.

In an active locomotive control...

- the key **UP**- and **RIGHT**-arrows increase the speed
- the key **DOWN** - and **LEFT** -arrows decrease the speed
- the **END** key accelerates to the maximum speed
- the key **HOME** and the **SPACE BAR** stop the locomotive immediately
- the keys **„D“** and **„R“** change the driving direct
- the key **„F“** switched the locomotive's function on and off
- the key **„S“** activates the locomotives sound
- the keys **„1“** to **„8“** switch the function f1 to f8 on and off.

If you click on a locomotive in the loco bar, on a locomotive control or on the locomotive monitor with...

- middle mouse button — the train number display of the loco painted **red**
- Shift + middle mouse button — the train number display of the loco painted **red** and the track diagram scrolled if needed.

Keyboard command and combinations in the Track diagram editor of Win-Digipet 9.2

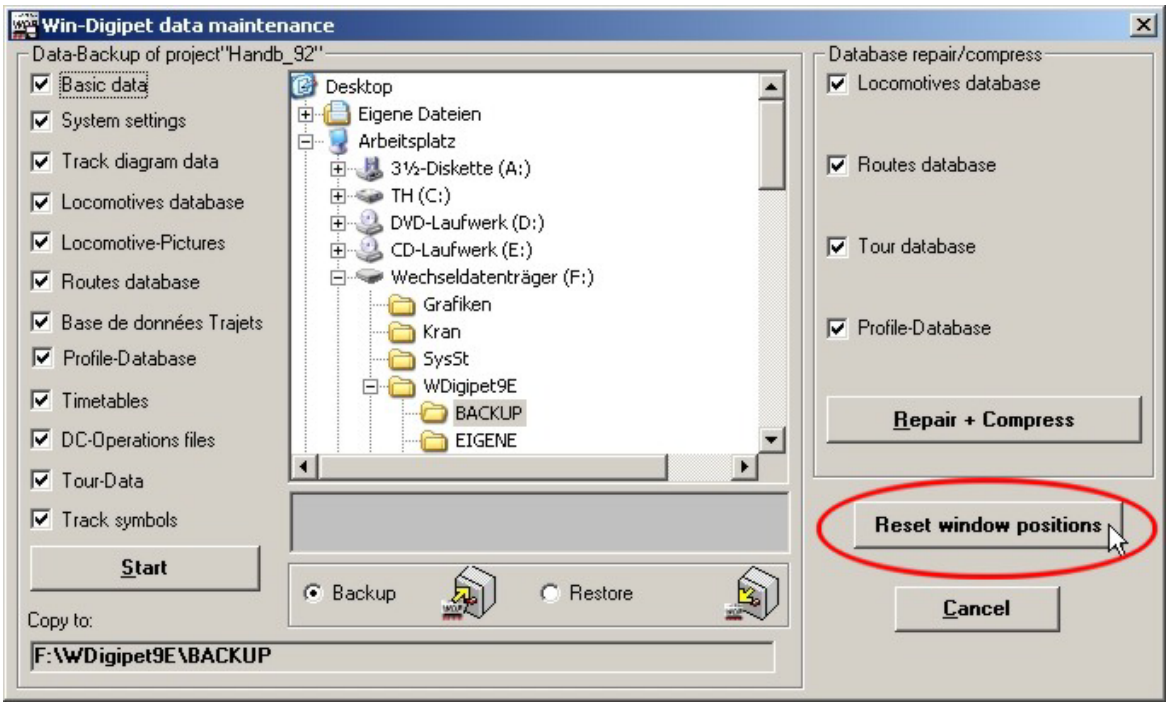
Automatic solenoid device registration in the track diagram

- Shift + left mouse button — in the virtual **keyboard** and **solenoid device**

Automatic feedback contact registration in the track diagram

- Shift + left mouse button — in the **feedback monitor** and **track/turnout symbol**

The program „Data maintenance“



As new function the button **'*Reset window positions*'** (see Section **4.8.7**), has been added to the data maintenance program. With this button you have the possibility to reset window positions outside of the main program. The button within the system settings of the main program affects only closed windows. This function is very important when you have used two or more screens and remove a screen afterwards without moving the windows to the main screen before.