Das Steuerungsprogramm

WIN - DIGIPET

Version 2018 • Premium Edition

Update Information 2018.2

‘

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1. Summary

This **Update Version 2018.2** International is a Free-Of-Charge Add-On for your **Win-Digipet 2018**.

The purpose of this document is, to describe all innovations of Version **Win-Digipet 2018.2** 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 2018 in electronical version.

In addition the update contains also bug fixes for errors in the program. This will not be listed in detail, if these changes do not affect handling and functionality of the program.

It is required, that you are familiar with usage of the program **Win-Digipet 2018**.

For details, please check your manual of **Win-Digipet 2018**.

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.windigipet.de).

If not noted separately, all information is valid for all Digital Systems and model railroad scales which are supported by **Win-Digipet 2018**.

This document was created to our best knowledge. We apologize 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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Stand: March 2019

2. WIN-DIGIPET 2018.2 - INSTALLATION OF THE UPDATE

Before you install the update **WIN-DIGIPET 2018.2** the Version 2018 has to be installed according to chapter **1.3** of the **Win-Digipet 2018** manual.

We assume that you have installed **Win-Digipet 2018** in the default directory „C:\WDIGIPET“ on your computer (resp. C:\WDIGIPET_SMALL).

If you have used a different installation directory you have to select this during the update process.

The different versions of the Update 2018.2 for the Premium Version resp. the Small Version can be found on the Win-Digipet website under Download – Updates.

The Update 2018.2 Premium Version is only executable with the red Original Win-Digipet 2018 USB-Stick – Premium Edition, the Small version only with the yellow USB-Stick.

It is important to select the correct installation directory during the update process (Default: C:\WDIGIPET resp. C:\WDIGIPET_SMALL).

Already recorded data will not be overwritten!

LzX‘ □□□□‘□□□□□□‘

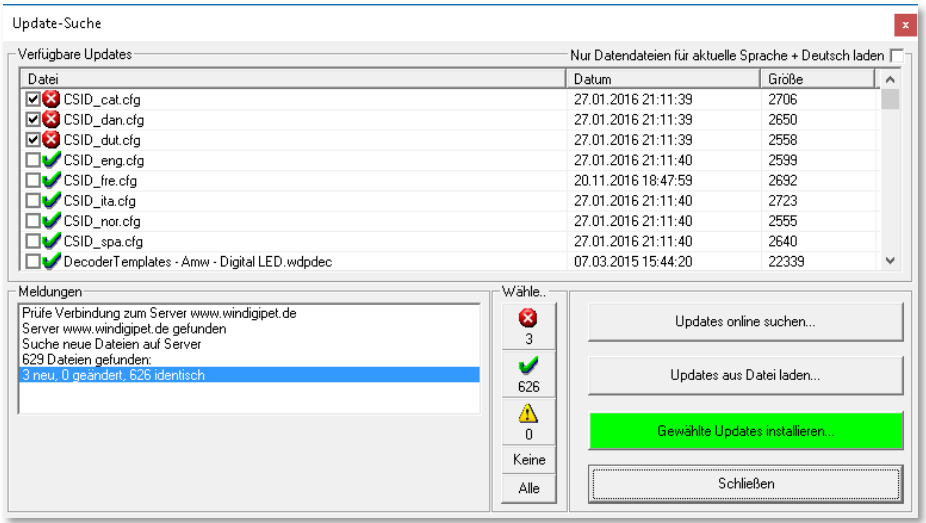
If you have used Version 2018 before, you should make a backup of your data **before the update** according to section **2.2.3** or automatic backup according to section **3.12** of the manual of version 2018.

LzL‘ ®□□□□ □□□□‘□□□□ □□□□□□‘□□□□‘□□□□□□□□□□□□‘□□‘□□□□‘□□□□□□‘

A very comfortable way to download the update and install it afterwards is to use online update mechanism of the Startcenter. Using this new program and data files can be downloaded from the **Win-Digipet** website for the purpose of updating the program.

To access the online update open the Startcenter and switch to the index card [illegible]. Using the button ‚Update for program files‘ you can open the update window.

In this dialog you can search for available updates on the **Win-Digipet** server and install them or you can process previously downloaded update files from www.windigipet.de.



Update-Suche
Verfügbare Updates
Nur Datendateien für aktuelle Sprache + Deutsch laden
Datei
Datum
Größe
CSID_cat.cfg 27.01.2016 21:11:39 2706
CSID_dan.cfg 27.01.2016 21:11:39 2650
CSID_dut.cfg 27.01.2016 21:11:39 2558
CSID_eng.cfg 27.01.2016 21:11:40 2599
CSID_fre.cfg 20.11.2016 18:47:59 2692
CSID_ita.cfg 27.01.2016 21:11:40 2723
CSID_nor.cfg 27.01.2016 21:11:40 2555
CSID_spa.cfg 27.01.2016 21:11:40 2640
DecoderTemplates - Amw - Digital LED.wdpdec 07.03.2015 15:44:20 22339
Meldungen
Prüfe Verbindung zum Server www.windigipet.de
Server www.windigipet.de gefunden
Suche neue Dateien auf Server
629 Dateien gefunden:
3 neu, 0 geändert, 626 identisch
Wähle..
3
626
0
Keine
Alle
Updates online suchen...
Updates aus Datei laden...
Gewählte Updates installieren...
Schließen

[illegible]

After selecting the desired files you can start the installation, using the button [illegible].

Win-Digipet identifies if the possible update files are already installed/missing/older on the computer.

	For this online update you need of course an active connection to the internet. If your computer is not connected to the internet you need to download the updates manually from our homepage.

[illegible]

On the Win-Digipet website you can find under Downloads the following versions of **Win-Digipet 2018.2**:

- **WIN-DIGIPET Update 2018.2 Premium Edition** (WDUP_2018_2.exe)
- **WIN-DIGIPET Update 2018.2 Small Edition** (WDUP_2018_2_Small.exe)

Please download the version suitable for your product.

Download the update from the website (WDUP_2018_2.exe or WDUP_2018_2_Small.exe) to you Win-Digipet installation directory (by default C:\WDIGIPET resp. C:\WDIGIPET_SMALL sein).

Execute this file by double click on its icon (e.g. via Windows-Explorer). The update file is self-executable and will be installed to the selected directory (Default C:\WDIGIPET resp. C:\WDIGIPET_SMALL). After this you delete the file WDUP_2018_2.exe resp. WDUP_2018_2_Small.exe without any consequence.

It is important to install the **Win-Digipet Update 2018.2**. This documentation contains only the new functions and important changes. But during development of the update all known and reprodicable errors have been fixed. But these can not all be found in this documentation.

Lzj‘ □□□□‘□□‘□ □□U□□□□□‘LMXBzL‘

Now you can start **Win-Digipet** as usual.

After the start **Win-Digipet 2018.1** you can see the splash screen with the new version number. [1]

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

LzC‘ □□□□□□‘□ □□□□U□□□□□‘

The program provides an online update mechanism to update important program data etc..

We suggest to the execute the online update via the Startcenter regularly because the program data provided via the online update is not part of the update 2018.1 and will also be changed/added between update versions. This program data can be:

- updated language files
- updates decoder templates
- updated symbol tables (also translated into the languages)
- crane definitions (also translated)

Users with not internet access on the railroad PC can also download a data update package from the download section of the Win-Digipet website to an USB stick and import this update package using the Startcenter.

For further information regarding the online update read section 2.2.6 of the manual.

[1] Picture from <Help> <About>: The last three digits of the version might vary from the screenshot.

3. General

[illegible]

The number of digital systems and other hardware on the model railroad market is ever expanding. Due to this, new digital systems will be included in Win-Digipet from time to time. The integration of these systems requires the will for cooperation by the system´s manufacturer, because without the knowledge and support of the manufacturer this is not possible.

In **Win-Digipet 2018.2** has been extended in its support of digital systems as follows.

In the manual 2018 for most interfaces that communicate via a (virtual) serial interface (i.e. a COM number), the interface number range was specified as "COM 1-16". This limitation has already been removed for the version **Win-Digipet 2018.1** and now the COM numbers 1 to 255 can be used for all these interfaces.

[illegible]

The two devices from Zimo are suitable for updating decoders from ZIMO.

The difference between the two devices is that the MXULFA has an integrated display.

[illegible]

The connection to the computer is via a USB interface. For the USB interface, the manufacturer's driver must be installed on the PC. This driver creates a virtual serial interface. The interface number (COM 1-255) can be identified with the Interfaces action register in the **Win-Digipet** Start Center.

More detailed information on the listed digital system can be found on the Internet pages of the manufacturer:
www.zimo.at

[illegible]	
[illegible]	[illegible]
[illegible]	[illegible]

[illegible]

The two decoder programming devices (ArtNr. 23170 and 23171) from Lenz are suitable for updating decoders from Lenz. The programmer 23171 can also be used to read out RailCom® data.

The connection to the computer is via a USB interface. For the USB interface, the manufacturer's driver must be installed on the PC. This driver creates a virtual serial interface. The interface number (COM 1-255) can be identified with the Interfaces action register in the **Win-Digipet** Start Center.

The Programmer ArtNr. 23171 needs the included driver even if you have already installed the driver of the Programmer ArtNr. 23170! The new version cannot be operated with the driver of the previous model.

More detailed information on the listed digital system can be found on the Internet pages of the manufacturer:
www.lenz-elektronik.de

[illegible]

[illegible]	
[illegible]	[illegible]

[illegible]

The RailCom® capable feedback modules DR5088RC from Firm Digikeijs can in principle be used as an independent LocoNet feedback system or in connection with their own power supply and other LocoNet modules also for switching solenoid devices.

The connection to the computer is via a USB interface. For the USB interface, the manufacturer's driver must be installed on the PC. This driver creates a virtual serial interface. The interface number (COM 1-255) can be identified with the Interfaces action register in the **Win-Digipet** Start Center.

[illegible]

[illegible]	
[illegible]	[illegible]

The DR5088RC does not supply the connected LocoNet with power:

Additional LocoNet modules that have to be connected to the DR5088RC must either have their own power supply or be powered by an additional LocoNet power supply.

More detailed information on the listed digital system can be found on the Internet pages of the manufacturer:
www.digikeijs.de

FzXzP‘ □□□□□□□□□□‘□□j MMM

The digital system that has been integrated into **Win-Digipet** for some time now uses a different mode for the internal release of locomotives than, for example, devices from the Uhlenbrock company. For example, the message "Maximum number of locomotives reached..." could occur in connection with this system.

To eliminate unwanted effects the settings for LocoNet components (e.g. Digikeij's DR5088RC or Uhlenbrock USB LocoNet 62120) provide a possibility to select the so-called slot sharing mode. In the settings for the devices concerned a list box allows to select whether the slot release should be done by the Common method (Uhlenbrock) or the Free method (Digikeijs). If the DR5000 is selected as a digital system, the correct selection is automatically made in the background.

FzXzj ‘ □□□ □‘□ □□□□□‘– □□□□□‘Z□ □□‘9 □□‘

With some locomotives that support the MFX protocol, it has been noticed in the past that the m3-program-process on a digital system from Tams (Master Control / Red Box) sometimes takes much longer than 45 seconds. Some users report a duration of several minutes.

The previous timeout of 45 seconds was removed in **Win-Digipet 2018.2**. You are now informed by a graphical display that the process is in progress. When using a Tams Master Control you can cancel the process by pressing the "*" key on the digital system or remove the locomotive in question from the track. It is not possible to abort the process from Win-Digipet for technical reasons.

FzXzC‘ –®□‘□ □□□□□U9 □□□‘– –U□□□□□□‘

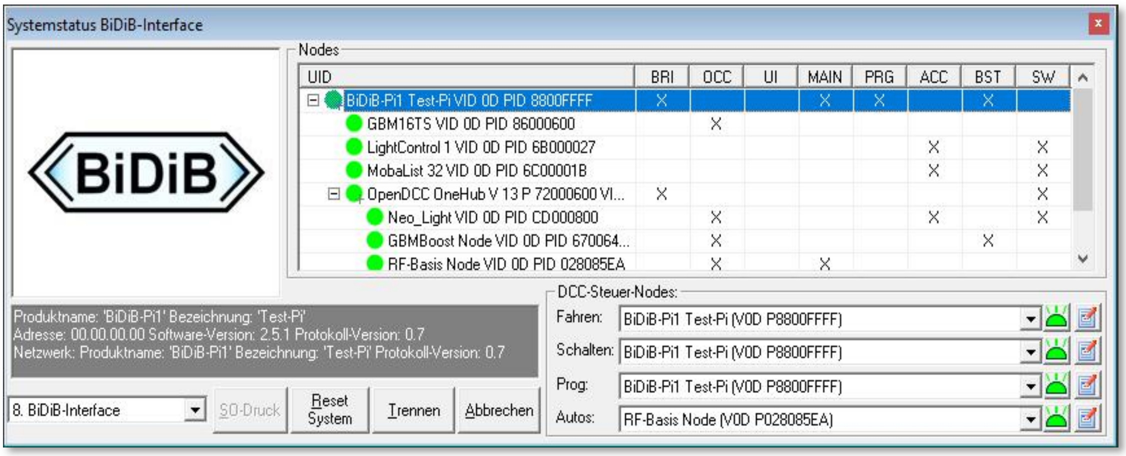
Until now, when using the CC-Schnitte (unless a special version of the manufacturer was used, nothing changes for the users of this so-called CC-Schnitte special), it was mandatory to connect a Märklin track box to the CC-Schnitte. With version **Win-Digipet 2018.2** you can activate the option "Operation without track box" in the system settings of the CC-Schnitte if you only want to use the CC-Schnitte for switching and reporting

Please note that when switching from a previous operation with Track Box to an operation without Track Box, an additional terminating resistor at the CAN bus structure (which is otherwise located in the Track Box) might be necessary. This is available as an accessory from the manufacturer.

More detailed information on the listed digital system can be found on the Internet pages of the manufacturer: www.can-digital-bahn.com

FzXzT‘ 9 ◻◻9 ‘

The display of BiDiB components called nodes has been revised in the system status window. The tree structure of the nodes is now displayed. The node status is also visualized by symbols. Furthermore, errors can now be reset or nodes can be restarted via the context menu of a node.



Systemstatus BiDiB-Interface
Nodes
UID
BRI
OCC
UI
MAIN
PRG
ACC
BST
SW
BiDiB-Pi1 Test-Pi VID 0D PID 8800FFFF
GBM16TS VID 0D PID 86000600
LightControl 1 VID 0D PID 6B000027
MobaList 32 VID 0D PID 6C00001B
OpenDCC OneHub V 13 P 72000600 VI...
Neo_Light VID 0D PID CD000800
GBMBoost Node VID 0D PID 670064...
RF-Basis Node VID 0D PID 028085EA
BiDiB
Produktname: 'BiDiB-Pi1' Bezeichnung: 'Test-Pi'
Adresse: 00.00.00.00 Software-Version: 2.5.1 Protokoll-Version: 0.7
Netzwerk: Produktname: 'BiDiB-Pi1' Bezeichnung: 'Test-Pi' Protokoll-Version: 0.7
DCC-Steuer-Nodes:
Fahren:
BiDiB-Pi1 Test-Pi (V0D P8800FFFF)
Schalten:
BiDiB-Pi1 Test-Pi (V0D P8800FFFF)
Prog:
BiDiB-Pi1 Test-Pi (V0D P8800FFFF)
Autos:
RF-Basis Node (V0D P028085EA)
8. BiDiB-Interface
SO-Druck
Reset System
Trennen
Abbrechen

◻◻5665/8 ◻◻◻◻◻◻◻◻◻◻◻◻8◻8◻◻◻7◻◻◻◻8◻8◻8◻◻◻8◻◻◻◻◻◻8

The following Node status symbols are available:

- = active Node (without special state)
- = Node with bridge functionality
- = Node with active identify state
- = Node with error
- = Not yet completly initialized Node
- = Node has to be restarted

Additional Node status symbols for netBiDiB:

- = Node not paired
- = Node not under control (e.g. controlled by another client)
- = no TCP connection to the node

FzXzTzX‘ 9 ◻◻9 ‘◻◻◻‘◻®◻Z◻◻9 ◻◻9 ‘

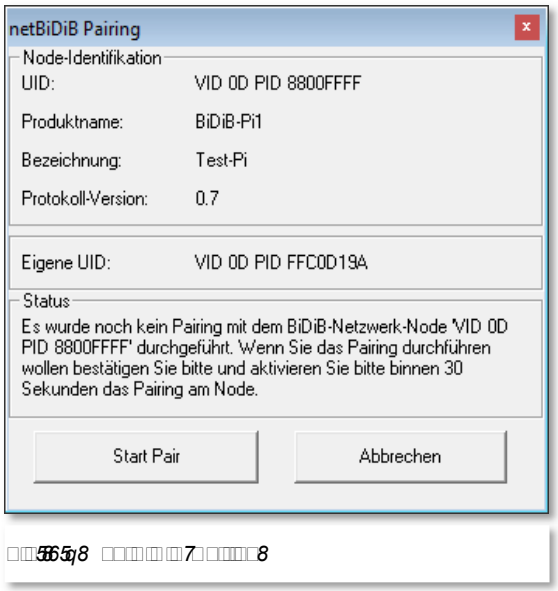
For the open, standardized BiDiB protocol, in addition to the already existing possibility of connecting the system via USB (virtual interface), it is now also possible to connect components (nodes) via netBiDiB (LAN interface).

Successful tests were carried out together with the BiDiB developer circle on a netBiDiB node (the so-called BiDiB broker). This netBiDiB node is constructed with Raspberry Pi and a corresponding shield, which contains the generation of the track signal and BiDiB

bus interface. Even though there are no netBiDiB components publicly available at the moment (December 2019), we would like to share this interesting development with you

To connect netBiDiB Nodes it is necessary to activate the option via LAN in the system settings of Win-Digipet under selection BiDiB and then enter the IP address of the netBiDiB Node.

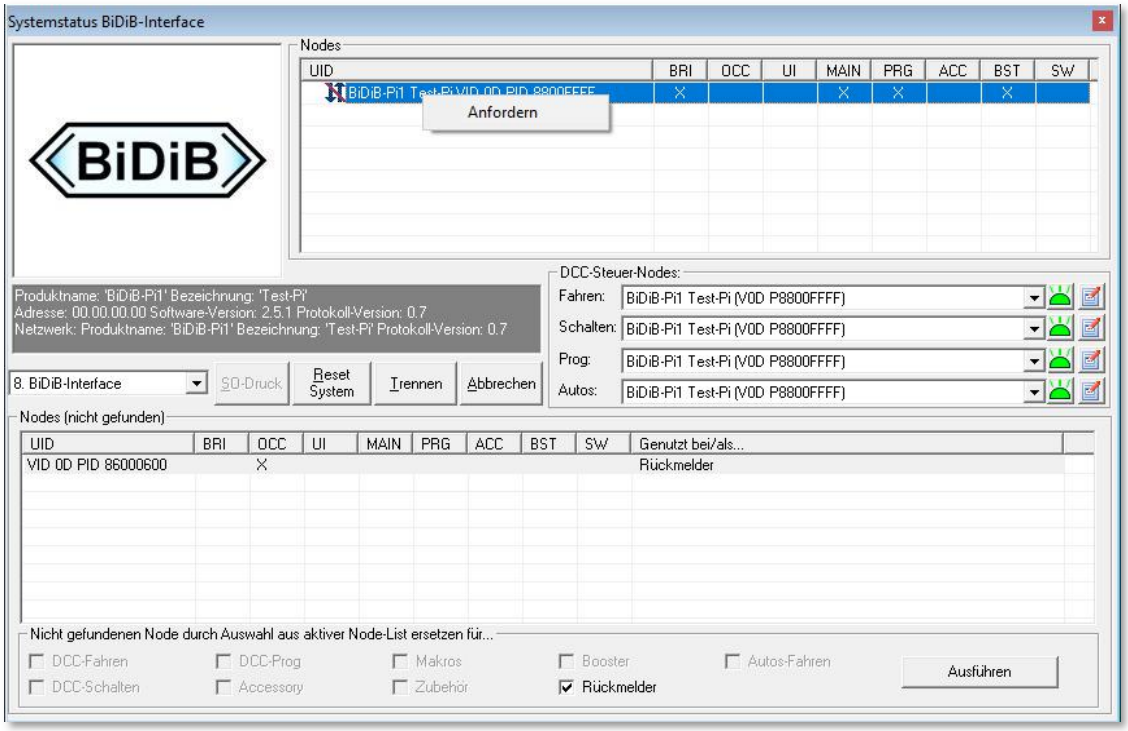
The first time a connection is established to a netBiDiB node, a pairing (trust relationship) must be established. Win-Digipet will inform you about the current pairing status and offer to initiate the pairing. After initiating the pairing in Win-Digipet the pairing must also be confirmed by the netBiDiB Node. Please refer to the documentation of the respective node for necessary information. The pairing can also be triggered later via the context menu of a non-paired netBiDiB node in the tree view.

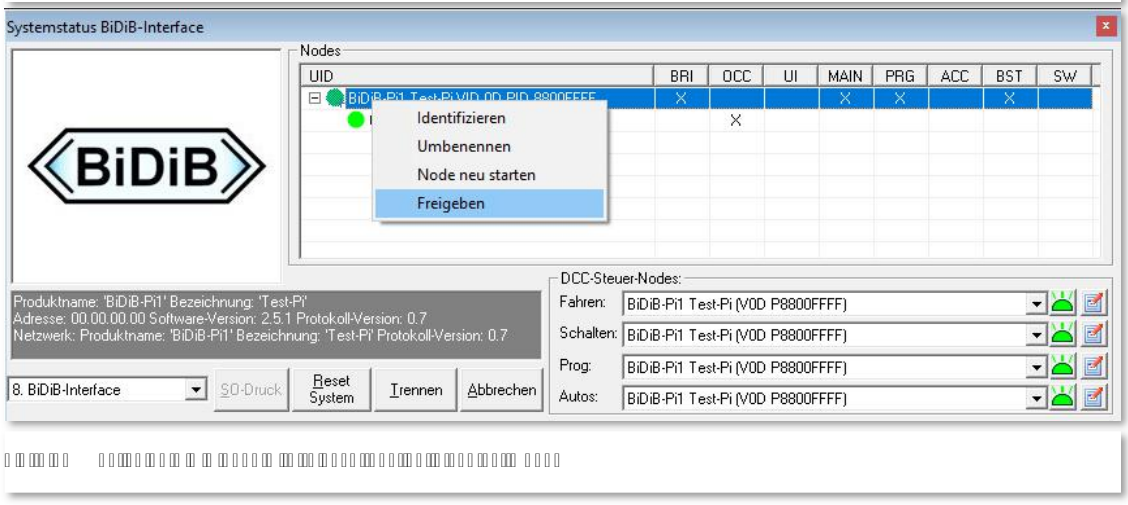


An automatic discovery of netBiDiB components is not yet available (there is no hardware that has implemented this yet) and will be added in a later stage. Therefore the manual entry of the IP address is mandatory until further notice.

Win-Digipet Version 2018.2 already supports the concurrent access of several programs/clients to a single netBiDiB node. Whereby only one single Client can get the controlling access to a netBiDiB-Node at the same time. netBiDiB-Nodes can be released in the Status Digital System window via the context menu for control by another Client or can be requested again after release by another Client.

The integration receives the status "beta" on the part **of Win-Digipet**, because especially on the hardware side the development of e.g. Discovery is not finished.

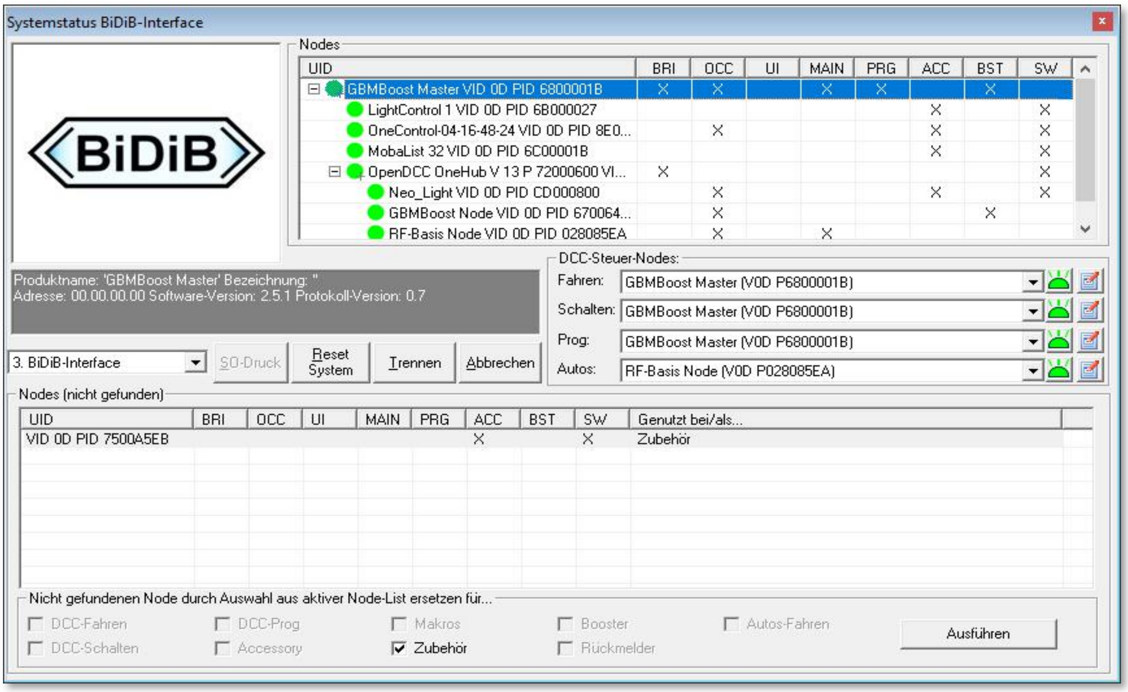




[illegible]

Already in the update **Win-Digipet Version 2018.1** a function was implemented, which hasn´t been mentoined until now in our documentations, so that in the system status window not only "missing" but in the project used BiDiB nodes can be displayed, but also to be able to replace them quickly in case of a defect, without having to intervene manually at all places in the program.

This function is also available in the system status window. Necessary configuration settings of the nodes themselves remain unaffected with the help of the well-known BiDiB tools.



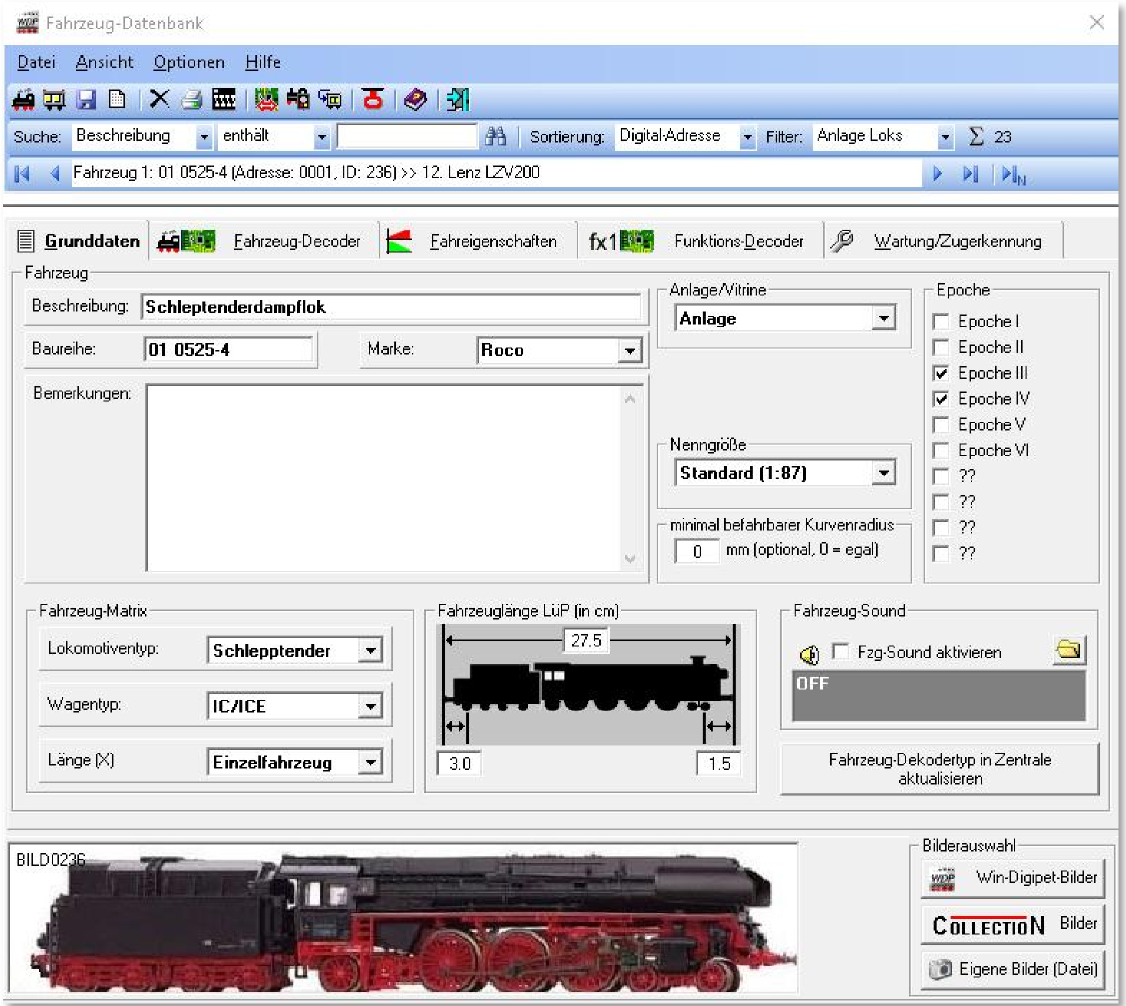
Systemstatus BiDiB-Interface
BiDiB
Nodes
UID
BRI
OCC
UI
MAIN
PRG
ACC
BST
SW
GBMBoost Master VID 0D PID 6800001B
LightControl 1 VID 0D PID 6B000027
OneControl-04-16-48-24 VID 0D PID 8E0...
MobaList 32 VID 0D PID 6C00001B
OpenDCC OneHub V 13 P 72000600 VI...
Neo_Light VID 0D PID CD000800
GBMBoost Node VID 0D PID 670064...
RF-Basis Node VID 0D PID 028085EA
Produktname: 'GBMBoost Master' Bezeichnung: ''
Adresse: 00.00.00.00 Software-Version: 2.5.1 Protokoll-Version: 0.7
DCC-Steuer-Nodes:
Fahren:
GBMBoost Master (V0D P6800001B)
Schalten:
GBMBoost Master (V0D P6800001B)
Prog:
GBMBoost Master (V0D P6800001B)
Autos:
RF-Basis Node (V0D P028085EA)
3. BiDiB-Interface
SO-Druck
Reset System
Trennen
Abbrechen
Nodes (nicht gefunden)
Genutzt bei/als...
VID 0D PID 7500A5EB
Zubehör
Nicht gefundenen Node durch Auswahl aus aktiver Node-List ersetzen für...
DCC-Fahren
DCC-Prog
Makros
Booster
Autos-Fahren
DCC-Schalten
Accessory
Zubehör
Rückmelder
Ausführen

[illegible]

4. Vehicle database

In the vehicle database or in the vehicle editor you can update the setting (continuous function / moment function) for the functions F1-F28 of a locomotive to the Lenz Digital Central Unit LZV200.

Furthermore, in the window "Vehicle Database <-> Digital system" it can be shown which locomotives are already stored in the digital system and can then be transferred to the Lenz digital system if required.



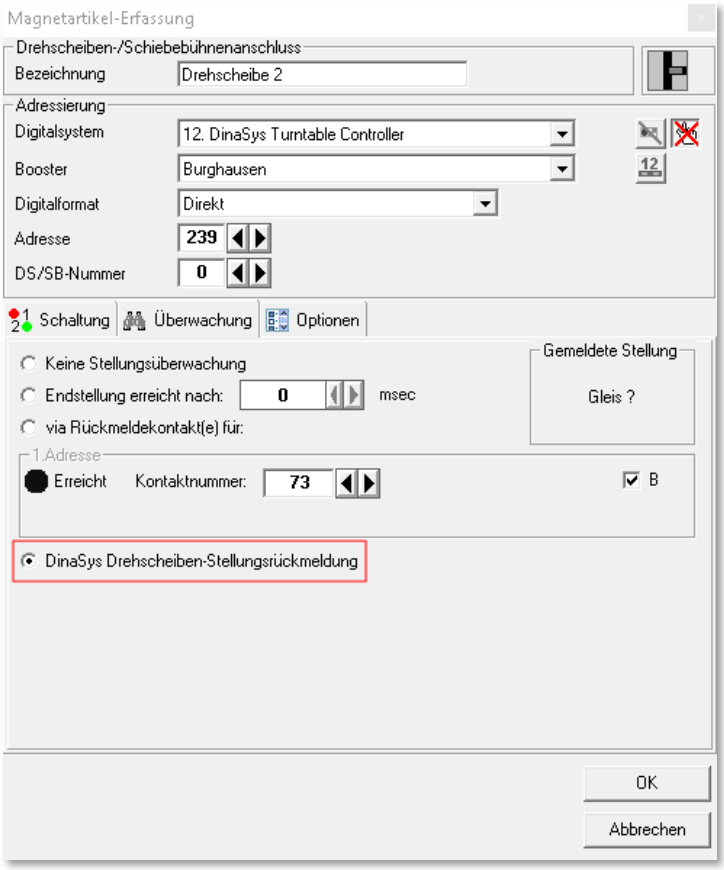
Fahrzeug-Datenbank
Datei Ansicht Optionen Hilfe
Suche: Beschreibung enthält Sortierung: Digital-Adresse Filter: Anlage Loks 23
Fahrzeug 1: 01 0525-4 (Adresse: 0001, ID: 236) >> 12. Lenz LZV200
Grunddaten Fahrzeug-Decoder Fahreigenschaften Funktions-Decoder Wartung/Zugerkennung
Fahrzeug
Beschreibung: Schleptenderdampflok
Baureihe: 01 0525-4
Marke: Roco
Bemerkungen:
Anlage/Vitrine
Anlage
Epoche
Epoche I
Epoche II
Epoche III
Epoche IV
Epoche V
Epoche VI
Nenngröße
Standard (1:87)
minimal befahrbarer Kurvenradius
0 mm (optional, 0 = egal)
Fahrzeug-Matrix
Lokomotiventyp: Schlepptender
Wagentyp: IC/ICE
Länge (X) Einzelfahrzeug
Fahrzeuglänge LüP (in cm)
27.5
3.0
1.5
Fahrzeug-Sound
Fzg-Sound aktivieren
OFF
Fahrzeug-Dekodertyp in Zentrale aktualisieren
BILD0236
Bilderauswahl
Win-Digipet-Bilder
COLLECTION Bilder
Eigene Bilder (Datei)

5. Track diagram editor

For the detection of the position of a turntable in connection with the DinaSys turntable controller you can use the position feedback of the controller.

Activate the corresponding radio button (see Fig. 5.1) n the "Monitoring" tab of the solenoid device address dialog.

This function is only available if you have integrated the DinaSys turntable controller as a digital system to control your turntable.

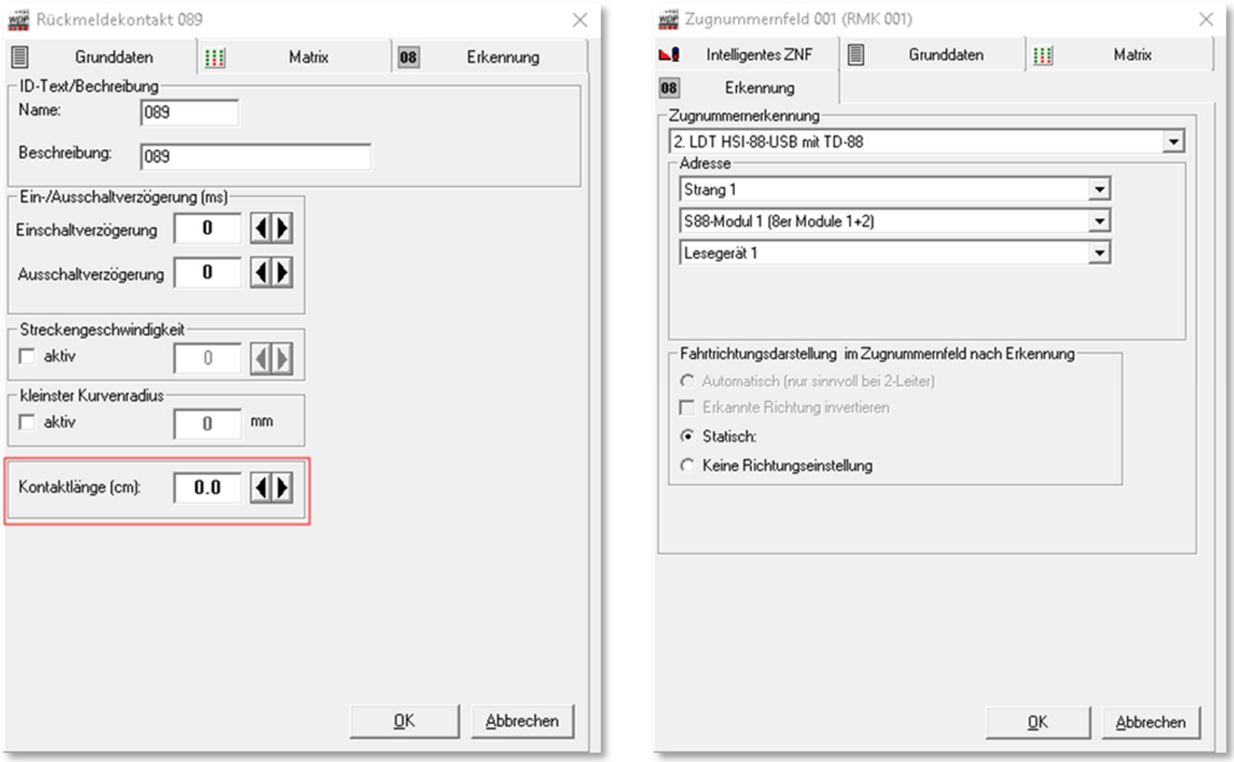


6. Main

[illegible]

The tab "Properties feedback contact" in the main program of **Win-Digipet** has been extended by the functionality that you can enter the length of the selected feedback contact at this point. So far this possibility was only available in the track diagram editor.

The tab shown in the graphic (see Fig. 6.1) is displayed when you right-click on a track symbol in the track diagram and select "Feedback contact properties" from the submenu.


Rückmeldekontakt 089
Grunddaten
Matrix
Erkennung
ID-Text/Bechreibung
Name:
089
Beschreibung:
089
Ein-/Ausschaltverzögerung (ms)
Einschaltverzögerung
0
Ausschaltverzögerung
0
Streckengeschwindigkeit
aktiv
0
kleinster Kurvenradius
aktiv
0
mm
Kontaktlänge (cm):
0.0
OK
Abbrechen
Zugnummernfeld 001 (RMK 001)
Intelligentes ZNF
Grunddaten
Matrix
Erkennung
Zugnummernerkennung
2. LDT HSI-88-USB mit TD-88
Adresse
Strang 1
S88-Modul 1 (8er Module 1+2)
Lesegerät 1
Fahrtrichtungsdarstellung im Zugnummernfeld nach Erkennung
Automatisch (nur sinnvoll bei 2-Leiter)
Erkannte Richtung invertieren
Statisch:
Keine Richtungseinstellung
OK
Abbrechen

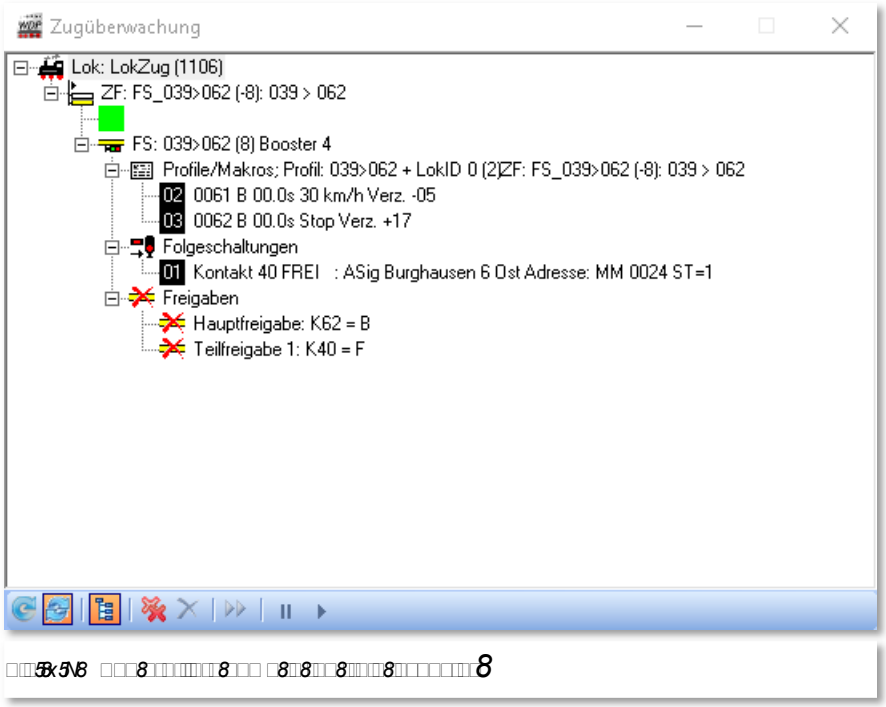
[illegible]

[illegible]

For the sake of clarity, the dialog "Train number field properties" has been adapted. The parameters on the previously existing "Delay and Detection" tab are now divided into the Basic Data and Detection tabs (see Fig. 6.1)

[illegible]

In train inspector, the name of the profile used is now also displayed when processing a route with a profile.

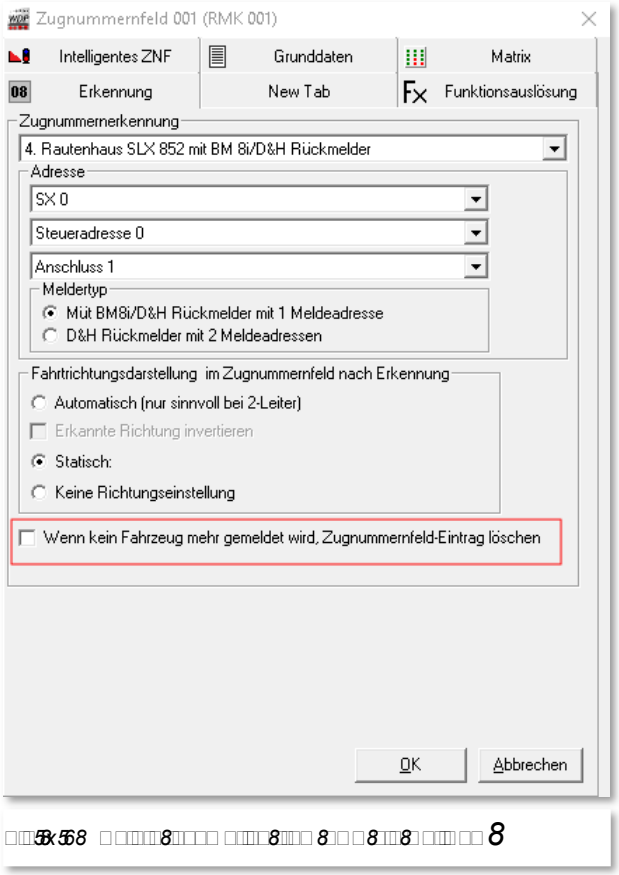


In the macros you can now also use the extended stop options equivalent to the profiles. If you select the "Delay after centimeter" setting, an additional symbol for will be shown.

With the help of the option "Train position in distance" you can specify that the locomotive or train should stop at the entered distance with a defined point (e.g. after the 1st locomotive). The definable points of a train refer to:

- Position (before/after)
- Number (1st to 50th)
- Type (Locomotive / Waggon / Vehicle)
- Driving direction (in direction resp. opposite direction)

A locomotive on a train number field, which RailCom® reports as no longer available, can be automatically deleted from the train number display by **Win-Digipet**. By default this option is deactivated, it can be activated with a checkbox on the tab Detection in the dialog "Train number display properties“.



When activating this option, please note that if there is more than one reporting locomotive or more than one RailCom® Decoder in the section (this refers to a single feedback unit of the iZNF and is not considered over all feedback units of the iZNF) the address output via channel 1 is only switched on for the main vehicle (possibly the leading vehicle) in CV28 (CV28=3). With all other decoders this should be switched off (CV28=2).

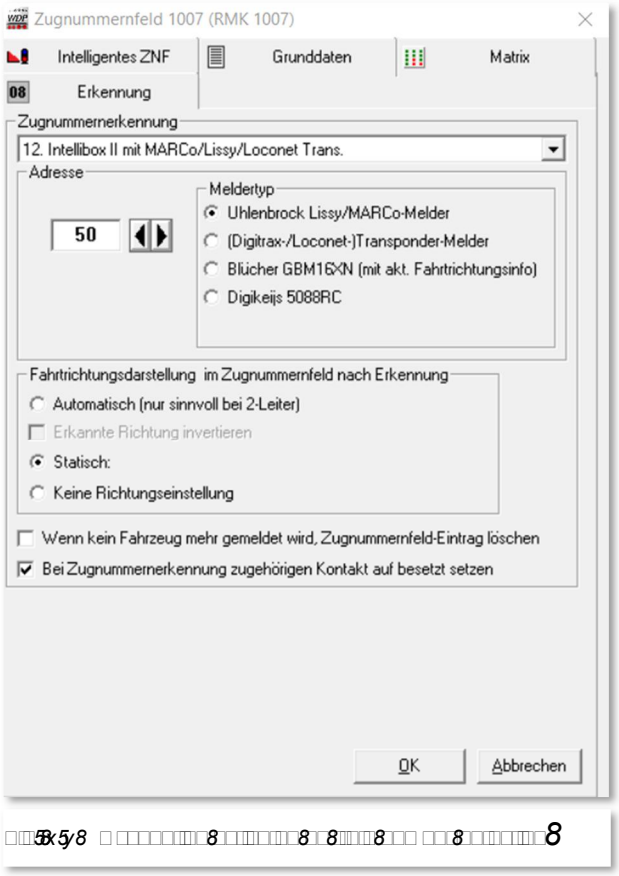
For clarification: this restriction is really only necessary if the train is composed in such a way that there is actually more than one vehicle reporting via RailCom® on one and the same feedback device. This is the case, for example, with a double traction at the head of the train. However, if your iTNDs are divided into several detectors and one vehicle is at the beginning and the other at the end of the train (supply locomotive, control cab coach etc.), the scenario outlined here does not apply.

As soon as you move the mouse over a train number display, a tooltip will show you all addresses that have been recognized for the train number display.

CzC‘ □□□□□‘□□□□□□□□‘□□‘□‘□□□□‘□□□ □□□‘□□□□□□‘□ □□‘□ □□ □□□□□‘□□□□□□□‘

If the contact of a train number display has been defined as a momentary contact in the track diagram editor, the train number detection on this train number display can also automatically activate the occupancy message. This is useful e.g. for train number recognition systems like Uhlenbrock Lissy which initially only provide a train number recognition and not in every case (single detectors for example) a occupied message.

This function can be activated by means of a checkbox on the Recognition tab of the "Train number field properties" dialog. This card only appears for train number fields whose feedback contact has been defined as a momentary contact.



□□□5x5/8 □ □□□□□□□□8 □□□□□□□8 8 □□□8 □□ □□□8 □□□□□□□8

The user himself is responsible for resetting the busy signal. This can be done automatically, e.g. via switching actions in add-on switching of routes (e.g. deactivation of all momentary contacts within the RT at the respective sequential/destination contact) or via the dispatcher.

CzT‘ □□□□□‘□□□□□□□□‘

Sven Spiegelhauer has also produced an updated version of the documentation for **Win-Digipet 2018.2**. On now almost 60 pages you will find many hints for the operation as well as for the problem solution of the driving service provider. The documentation is available for free download on the **Win-Digipet** server together with example projects when the version **Win-Digipet 2018.2** is released.

Due to the level of detail in the documentation for the transport service provider, the new features in the update information **Win-Digipet 2018.2** are only briefly mentioned.

At the moment this description is only available in german due to the time issues.

CzTzX

Particularly when using the TD-HYC (TD Hidden Yard control), there are more frequent "unauthorised destination" messages. At the request of many users these messages are now specified. The Inspector for Automatic Control now provides detailed information regarding the destination.

CzTzL

With **Win-Digipet 2018.2** the train director for the hidden yard controlhas been extended in such a way that several iTND lying one behind the other can be managed by the TD even in stub tracks.

The characteristic of such stub tracks is that the order of exit changes compared to the order of entry.

In the case of a stub track with several iTND, no routes for moving from one iTND to the next one are necessary, i.e. the train always enters the stub track as far as possible. For the exit, the train that was the last to occupy the track in question is always the first to leave it.

Free train number displays can be immediately reoccupied by incoming trains. This means that trains standing at the end of the track may have longer standing times. If necessary, you can influence this by using destination blocks with the help of the dispatcher.

CzB‘ □□□□□□□□□□‘U– □□□□□□□□□‘

The conditions listed here can be found in the condition trees of the disptacher, the tour automatic editor editor and in the editors for profiles and macros.

CzBzX‘ □ □□□□□□□‘□□□□□□□□□‘□□‘□□□□□□□□‘

When using the following conditions, multiple selection of criteria is now possible.

- Loco type on train number display
- Waggon type on train number display
- Length type on train number display
- Epoch on train number display

□□□5x5q8 □ □□□□□□8□□□□□□□8□8□□□□□□8

CzBzL‘ – □□□□□□□□□‘□□ □□□□□□□‘□□□□□□□□□‘□□‘□□□□ □ □‘

The condition query already available in the previous versions

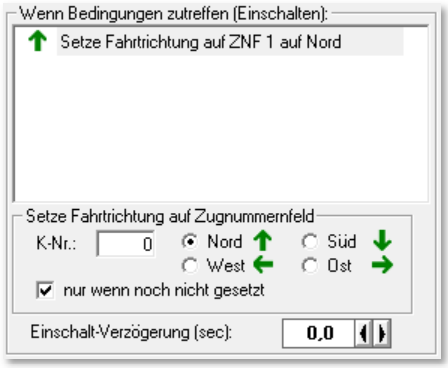
- Driving direction on train number display

has been extended by the option „Not set“.

Czx‘ □□□□□□□□□□‘□‘□□ □□□□□‘□□□□□□□□‘

CzxzX‘ □□□□□□□□□□□□□‘□□ □□□□□□□‘□□□□□□□□□□□‘

As a new switching action in the dispatcher was created to set the direction of travel of a train. In this way, for example, the direction of travel could be determined for train number recognition without directional information.



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