

Version 2.0

New Possibilities and Features of the CS 3 and CS 3+ (Item Numbers 60226 and 60216) with the Software Update 2.0

With the update to Version 2.0, you have several add-ons in the user interface for the CS 3 and CS 3+. When setting up locomotive models and solenoid items as well as when operating a layout, these add-ons bring noticeable added convenience.

Taken separately, these are the following main topics:

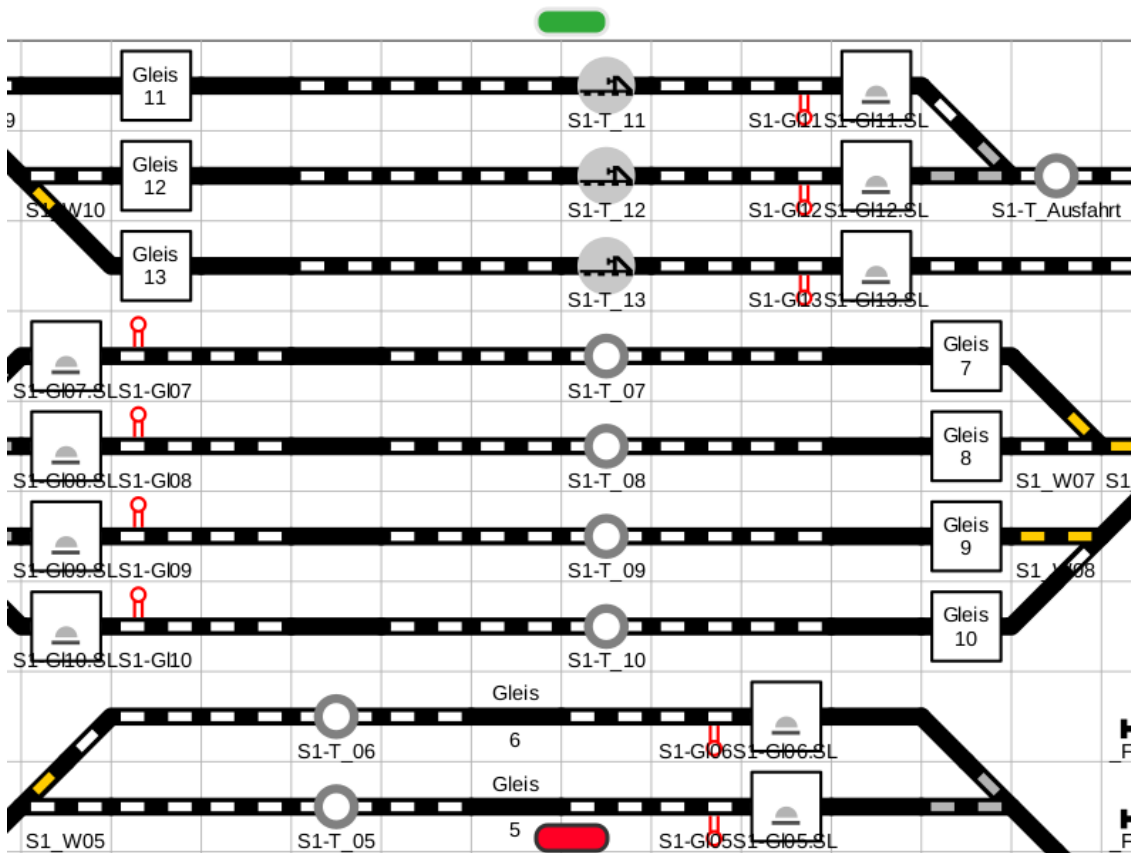
1. New accessory controller as an alternative to the Track Diagram
2. Improved item lists setup and management
3. Simplified setup of switching functions
4. Enhancements in detail

1. The New Accessory Controller

The Track Diagram was installed on the CS 3 for casual and comfortable switching of turnouts, signals, and other accessory items. This user interface is based on a graphic representation of the track route and accessory elements borrowed from the route of the original layout.

Interlocking control panels are used in the original, which represent a rail line route mostly by means of standardized elements. The focus of the representation here is more the arrangement of the functional elements in the correct sequence than the most exact possible reproduction of the rail line route.

An appropriate user interface can now be set up as an alternative on the CS. You can decide here for yourself whether you want the Track Diagram or the interlocking control panel. Parallel use of both systems is also possible. If several components are integrated into the user interface, you can use your own form of representation as desired for each of these components. For example, the interlocking control panel is represented on the CS 3, while the same section of the layout is displayed on a PC monitor as a track diagram. The user decides which representation he wants to use.



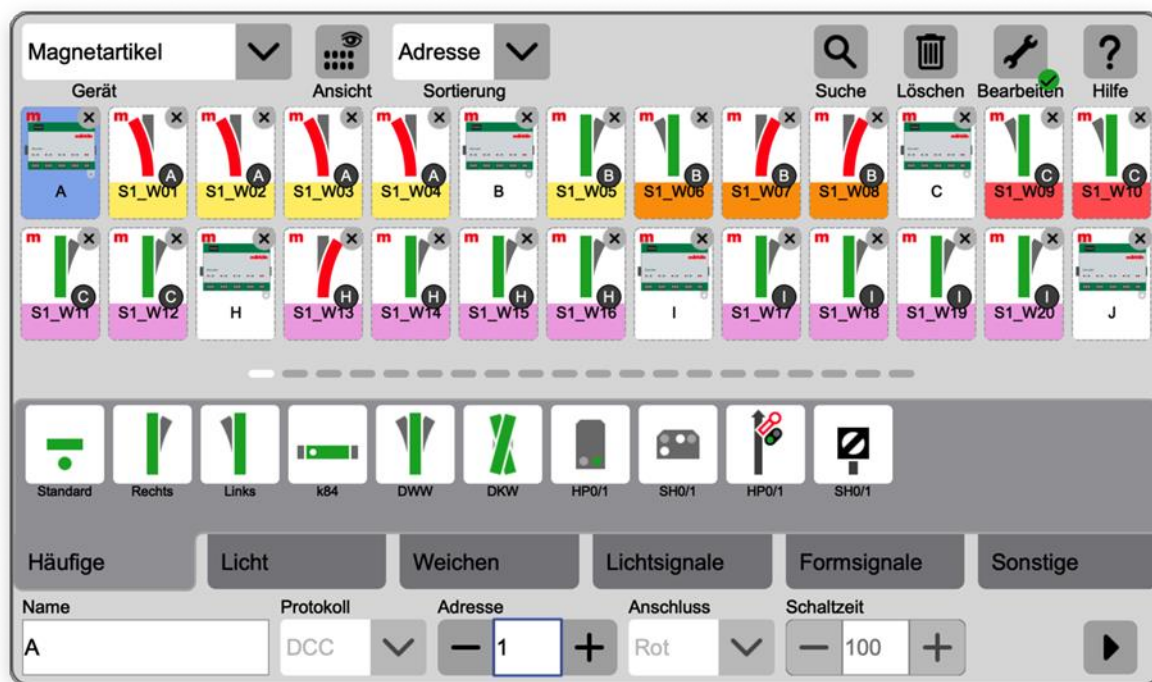
The turnouts, signals, and other accessory elements should be set up first to create the interlocking control panel. These elements are placed on the interlocking control panel and supplemented with appropriate connecting elements. When doing this, item groups can also be copied from the Track Diagram and taken into the interlocking control panel. The exact placement of the elements can then be adjusted by the user for a well-arranged user interface to generate as manageable a representation as possible.

Just as with the Track Diagram, texts can also now be integrated into these interlocking control panels. Specified function areas can thus be assigned with greater efficiency. The

last gap in this user level is closed with the interlocking control panel.

2. Setting Up and Managing the Item List

The item list is an important base for all solenoid items such as turnouts, signals, uncoupler tracks, etc. but also for the definition of circuit or occupation contacts and all other accessory items. Where applicable, several submenus must be opened previously for setting up these items. This process has now been improved to enable a better overview when simultaneously setting more effective parameters.



New here is for example the possibility of displaying MM addresses that are still open or open DCC addresses. The boundary of the elements shown represents here the highest

previously used address for the digital format in question and the following 10 addresses. In the MM format, the highest boundary remains address 320 and in the DCC format address 2048. When setting up new elements you can now easily see where there is still an open address and then easily convert it into the new element.

Anyone exploring this area can also have a look at the individual components. Several new elements are mostly the solution for very special elements that are on the market for today's model railroads.

When an item is selected, the following data for this item are displayed:

- Name
- Protocol
- Connection
- Address
- Switching Duration
- ">" for entering the programming dialog.

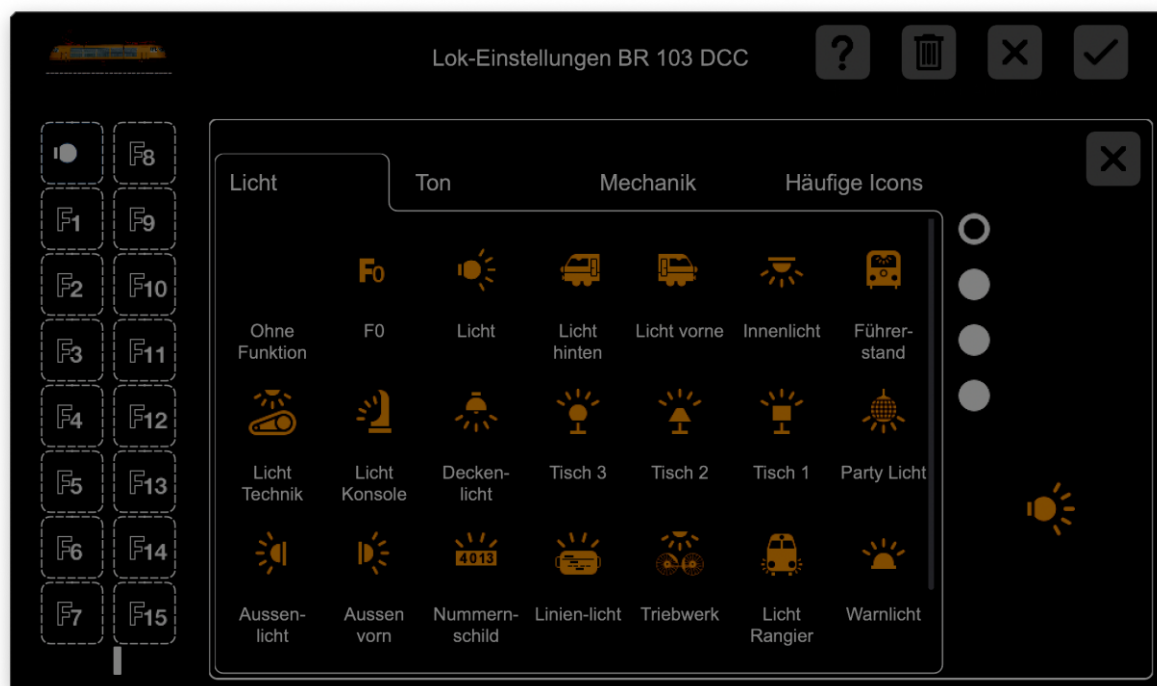
The item list continues to remain visible so that you can change neatly and quickly to other items.

The following parameters are visible and can be modified on a contact:

- Name
- Bus
- Module
- Contact Number

3. Setting Up Switching Functions on Locomotives

Anyone, for example, setting up a locomotive manually, must do an entire series of settings for the function elements until a suitable range of switching actions for the many functions on today's locomotives is set up. This user interface has also now been improved to improve these settings.



The function icons are displayed in different submenus arranged by themes. Here they can be dragged as desired to any desired button even if this function is not currently called up. The type of function as a switching, momentary, duration, or process function can also be set here. Anyone wanting to use these settings for another CS 2, CS 3, or MS 2 can store the data on a locomotive card as usual and thus use this data for operation on these other devices. mfx locomotives store this information in the decoder. Here a locomotive card is not mandatory for the transfer of this data.

4. Other Improvements

An entire series of other changes enables you to use the individual user interfaces comfortably and manageably. Among them are:

- In the Track Diagram and interlocking control panel there are tunnel and bridge elements so that tracks can be run over or under other tracks.
- Anyone setting up a connection to a CS 3 by means of a PC can now store the Track Diagram and interlocking control panel by using this connection and storing it in the CS 3.
- Improvement of the interaction with the CS 2 as a secondary device.

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- When creating a track diagram of an interlocking control panel, the last steps can be cancelled or also carried out again.
- When drawing rail lines, you can delete them and draw them again at this location. When deleting (remaining at a location), the necessary support point is automatically set.
- Events can be added to track diagrams. To do this, add an event from the event list to a track diagram by using drag and drop. Docking on the line does not take place.
- All CS 3+ units, etc. to be found in the system are displayed under "System". The central unit on which this display is called up is always shown all the way to the left. If this central unit is supposed to be a secondary device, the master follows to the right of it. All other central units are arranged to the right of it.
- This update also contains an update for the Mobile Station 2 (example: item numbers 60653 or 60657) from the previous version number 3.55 to the new Version 3.112.

These new possibilities will be explained in more detail within the framework of articles in the Märklin Magazin and in other publications in the future. The articles in the Märklin Magazin are also available after publication as a download on our webpage at:

<https://www.maerklin.de/de/erlebnis/maerklin-magazin/downloads/themen-specials-und-serien/>

It is always worthwhile to look here now and then.

We hope you will have a lot of fun exploring the new possibilities with your CS 3.

Your Märklin Service Team