

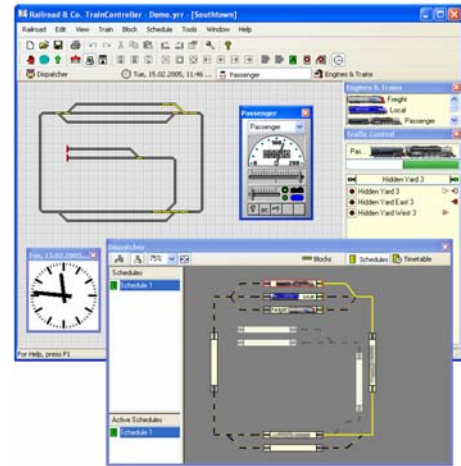


TRAINCONTROLLERTM

TrainControllerTM is the premium software for model railroad computer control. **TrainControllerTM** is very easy to use and due to its flexibility and far reaching possibilities it is well suited for novice and experienced model railroaders.

- **TrainControllerTM** won the highest award in a benchmark test of leading software products.
- Used successfully by several thousand users in more than 40 countries.
- Adaptable to arbitrary model railroad layouts and requirements.
- No computer or programming skills required.
- Enjoy the convenience of the graphical user interface.
- Automatic control as easy as drawing of a track diagram.
- Supports all leading digital systems.
- Up to 12 digital systems can be connected at the same time and in parallel to the computer.
- Controls digital locomotives as well as locomotives without decoder.
- Occupancy sensors as well as momentary track contacts can be used.
- Only one sensor per block required.
- Support of train detection (transponding) systems of all leading manufacturers.

- World's first software with own handheld designed for model railroad computer control



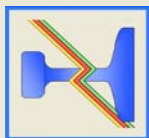
- Operates on all 32 bit Windows operating systems.
- Reliable and fast processing based on unique **TrainTelligenceTM** technology, which supports processing of up to 1000 commands and feedback events per second
- Network extension allows distribution of model railroad control to different computers.
- Premium customer service.
- Meet several thousand other users in the forum on the Internet.

Switchboard

- Draw track diagrams easily for certain sections or the entire model railroad layout.
- Unlimited number of switchboards.
- Total control of the entire railroad operation.
- Operation of turnouts, signals, routes and other accessories with point and click convenience.
- Occupancy indication and highlighting.
- Display of train positions in the track diagram.
- Rich selection of track diagram elements.
- Far reaching editing and drawing functions.
- Route operation and locking.
- Operation with start and destination keys.
- Operation with external switchboard control panels.
- Insertion of text and bitmap images.
- Semi-automatic operation of turnouts, signals, etc.
- Operation triggered by logical conditions.
- Automatic replay of sound files.

Train Control

- Run your trains with realistic scale speed (mp/h) - independently of the speed steps of the decoder.
- Speedometer, odometer and brake control.
- Threshold and maximum speed can be set individually for forward and backward movement.
- Scalable acceleration and deceleration momentum.
- Realistic simulation of car tonnage.
- Monitoring of maintenance intervals.
- Configurable locomotive functions for built-in decoder functions, sound effects etc.
- Import images of your favorite locomotives from arbitrary images and all usual image file formats (among others BMP, JPG, GIF, screen savers, etc.) with the complimentary software tool **TrainAnimatorTM**.
- Multiple unit operation with unlimited numbers of engines and automatic speed synchronization.



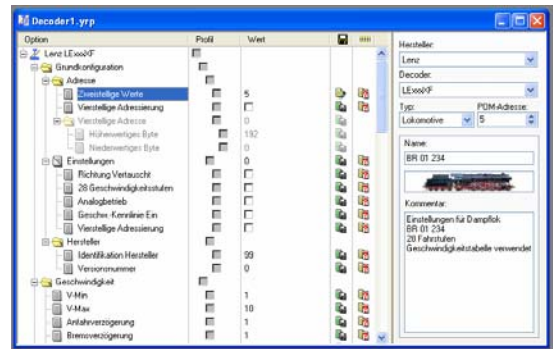
Automatic Operation and Control (Visual Dispatcher)

- Automatically running trains.
- Automatic operation is configured intuitively by working with diagrams rather than abstract scripting.
- Simply drag a train symbol to another location to start an automatic train movement.
- Hidden yards with unlimited number of tracks; unidirectional or bidirectional; automatic search of free tracks and random exit.
- Block control.
- Protection of opposing trains on single track lines.
- Trains pass others automatically.
- Trains can search the best track themselves.
- Varied random operation.
- Timetable based operation.
- Scalable speed of the clock.
- Simulation of train delays.
- Automatic stop in the middle of platforms.
- Simultaneous manual and automatic operation.
- automatic transfer of control from manual to automatic operation and vice versa – especially useful in conjunction with the **Handheld**.
- Reliable tracking of manually operated trains.
- Automatic control of turntables and transfer tables.

TRAINPROGRAMMER™

TrainProgrammer™ makes programming of decoders and other devices a child's play.

- Programming of all NMRA-DCC, Selectrix und LocoNet compatible locomotive, turnout-and feedback decoders and other devices.
- Enjoy the easy to use intuitive graphical user interface.
- Reading and writing of all decoder settings with point and click ease.
- Graphical display and editing of speed tables.
- Programming of auxiliary functions with preview (e.g. for blinking effects).
- Programming of locomotives on the main track.
- Saving and printing of all settings.



- Secure for the future thanks to an extensible decoder database, that can be filled with configurations of all currently available and future decoder and device types.

HANDHELD

TrainController™ is the unique program, that offers the possibility to control locomotives and trains with a handheld especially designed for the software.



- Up to 16 handhelds can be connected to a free serial port of your computer.
- Compatible with all digital systems.
- Plug panels allow plugging in of handhelds at arbitrary locations of the layout within a distance of 300 meters.
- Solidly built rotary knob for speed control.
- function buttons for control of train functions and sound files configured in **TrainController™**.
- Two direction controls with direction indicator lights
- Brake and Emergency stop.
- Multi colour signal indicator lights for indication of main and advanced signal as on the computer screen.
- Changing of trains is possible at any time - selection of available trains can be restricted by software.