

8 Addendum

8.1 Extensions in STP V5.12

8.1.1 Functional Extensions in V5.12

- With the STP.INI entry `ShowGrid=3` the grid lines can automatically be switched off in online mode and turned on again in offline mode.
- The currently selected zoom factor will now automatically be restored when STP is started the next time. The STP.INI entry for this is `ZoomFactor=x`, `x` may range from 1 to 500 (10 = 1:1 display).
- Active memory routes now are indicated by a white automatism indicator to better distinguish them from automatic functions. Memory routes override a possibly active automatic function at the same button. Memory routes now may be deactivated by the lock button.
- If a value greater than zero is entered into **Delay at online (General Setup** dialog window), during this time (after activating online mode) no routes can be set and no automatic functions will be activated. This is done because during this time not all occupancy indications may be received and so possibly illegal routes could be set.
- Using the new route commands "`ux/y`" and "`vx/y`" turnouts ("`u`") and signals ("`v`") can be locked (`y=1`) or unlocked (`y=0`), `x` = turnout or signal number. The functionality is the same as using the lock and unlock special button. By setting `y =2` the current lock state will be inverted (lock -> unlock, unlock -> lock). This function can be used to implement lockings and dependencies between routes (e.g. let a train alternately arrive at the left and the right track of a station).

8.1.2 Clarifications for the documentation

- When using the "`Ix/4`" route command, the corresponding automatic function has to provide an "`S`" command.
- Per route only one "`K`" command (route connection) is possible.
- The "`M`" route command only illuminates the element types **line** and **display** of the given track section.