

# Cab Displays - MTMS & MTCS Display

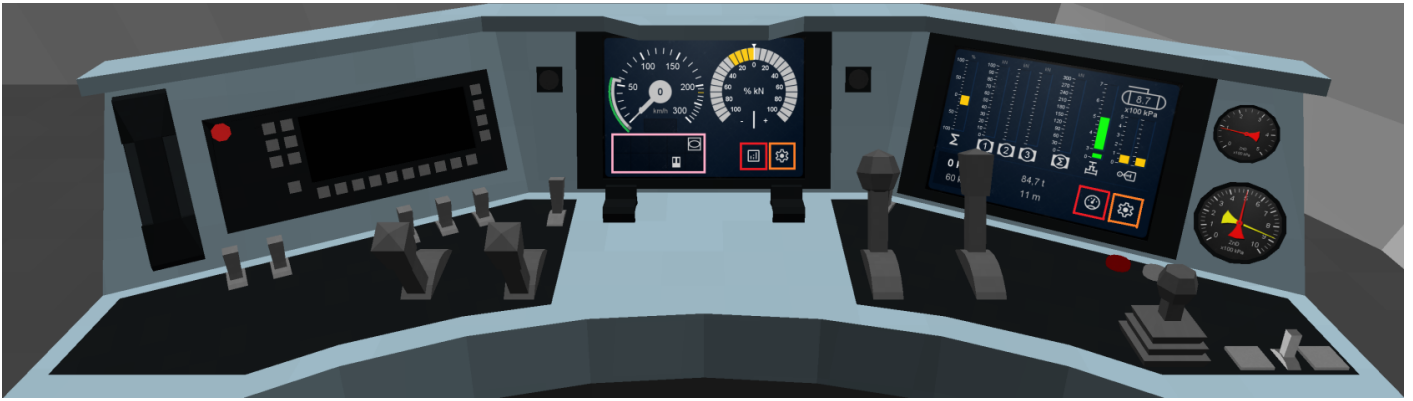
ZnD trains cabs give the driver a whole lot of useful information. Part of this information system are the MTMS and MTCS display.

There currently are two different cabs in ZnD. One is the BR 101s and the other the FLIRT 3s cab. You can see the standard driver display configuration below. The MTCS display is **red** and the MTMS display is **green**.



## MTCS Display

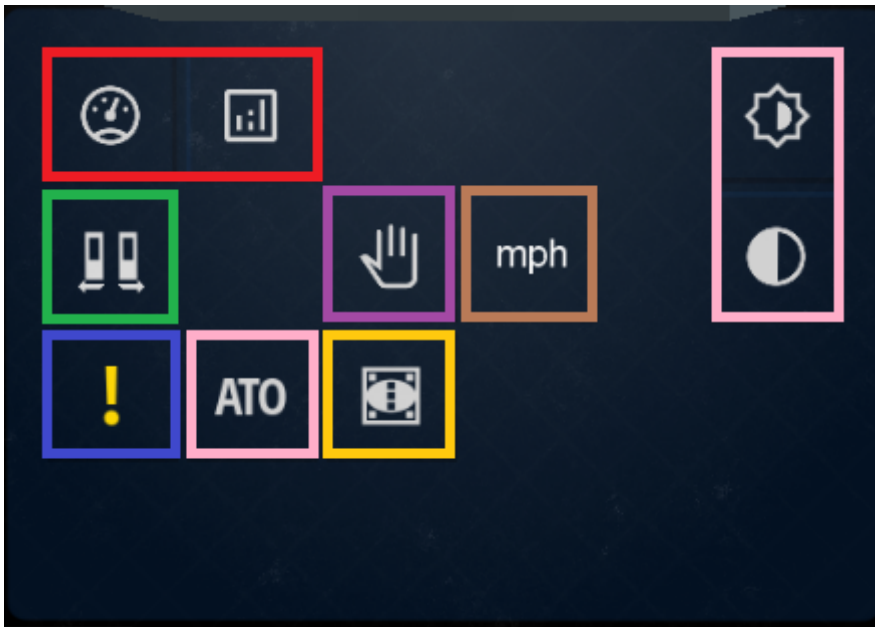
MTCS is short for "**M**inecraft **T**rain **C**ontrol **S**ystem". This is where you can view most of the immediately relevant train stats (e.g. speed, tractive effort, status bulbs). This is also where upcoming MTCS speed limits are displayed.



The MTCS Display consists of 3 main segments and two control buttons.

Location/Colour	Name	Function
Top left dial	Speedometer	Displays the current train speed together with the currently valid <b>MTCS speed limit</b> .
Top right dial	Tractive effort	Displays the trains currently applied tractive effort or brake force.
Lower left/ <b>pink</b>	Status bulbs	Displays current status messages for the train driver. This is where you can see e.g. "Sifa" or the "doors status" (open/closed).
Lower right/ <b>red</b>	Switch MTMS/MTCS	This changes the selected displays role. MTCS display becomes a MTMS display and vice versa.
Lower right/ <b>orange</b>	Settings	This opens the train cabs settings.

The settings page is home to the train cabs settings. This is where you can enable autodrive or make doors open/close automatically.



Location/Colour	Function
Red	Return to MTMS/MTCS display view.
Green	Automatically open/close doors.
Blue	En-/Disable all safety systems.
ATO	En-/Disable <a href="#">autodrive</a> .
Yellow	En-/Disable "limited supervision" mode (designed to emulate the appearance and function of ETCS's real Limited Supervision mode). Braking curves are not enforced and the current speed limit is not displayed on the screen.
Purple	En-/Disable automatic brake application upon stopping.
Top right	Customize display appearance (brightness - top, light/dark-mode - bottom)

# MTMS Display

MTMS is short for "**M**inecraft **T**rain **M**anagement **S**ystem". This is where you can view extended stats about your train.



Location/Colour	Function
Red	Total train power/brake power.
Orange	Individual engine/bogie power/tractive effort.
Green	Total engine/bogie power/tractive effort.
Purple	Brake pipe pressure (pneumatic brakes are released when this is 500 kPa).
Light Blue/Right	Brake cylinder pressure (brakes are released when this is 0 kPa).
Brown/Right	Air compressor/main reservoir pressure.
Light Blue/Left	Top: Current train speed; Bottom: Currently active MTCS speed limit.
Brown/Center	Train stats (total length and total weight).

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