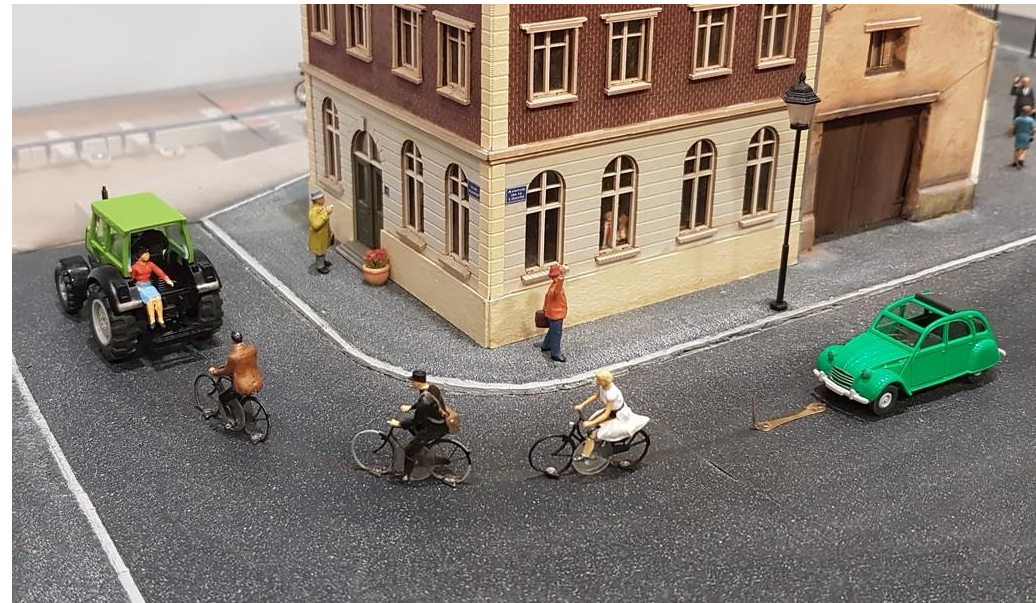


# MIST-ZEALAND

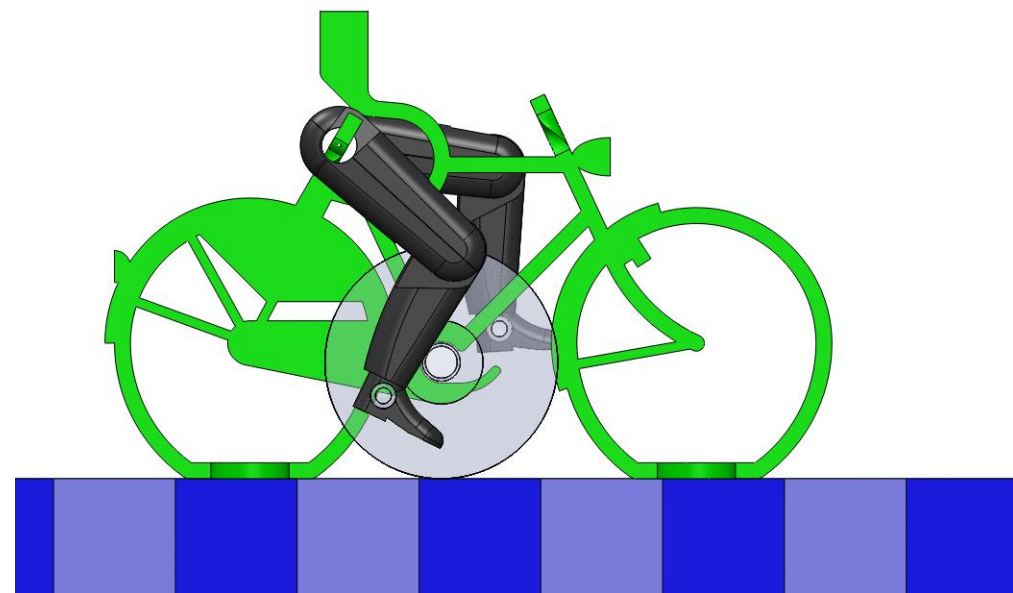
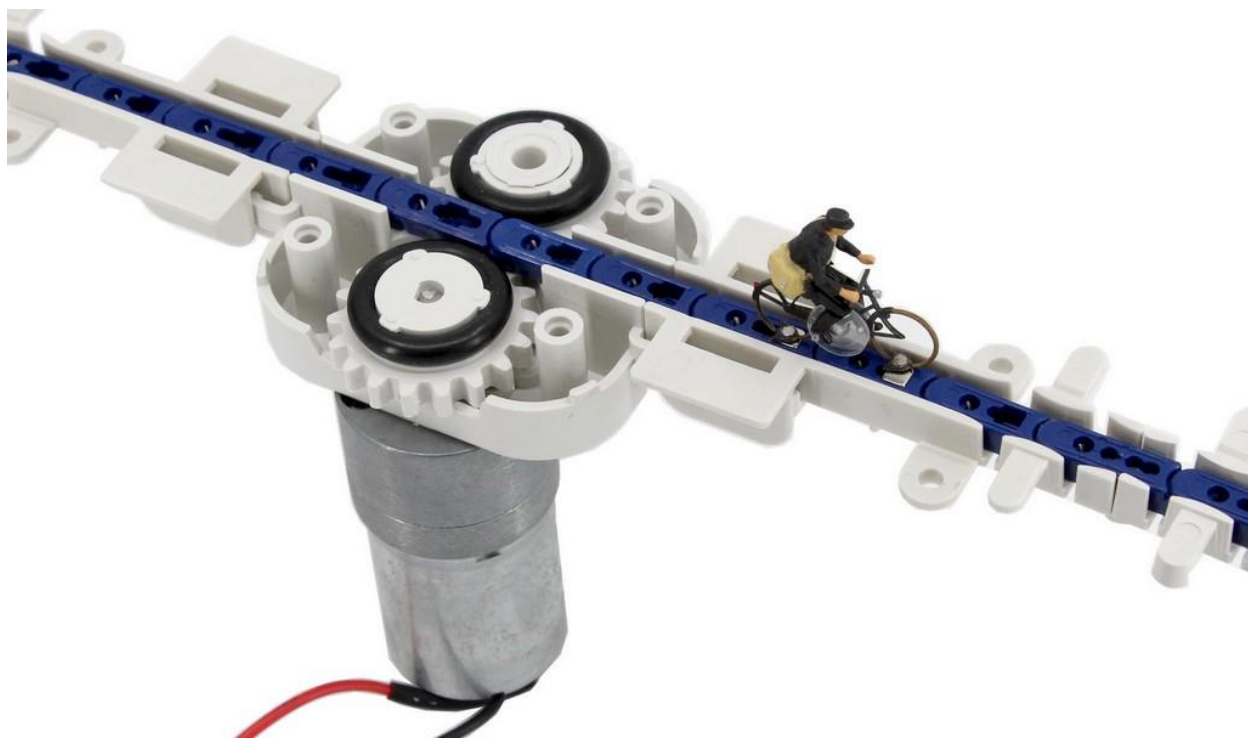


# Hvorfor biler og cykler på modelbanen ?

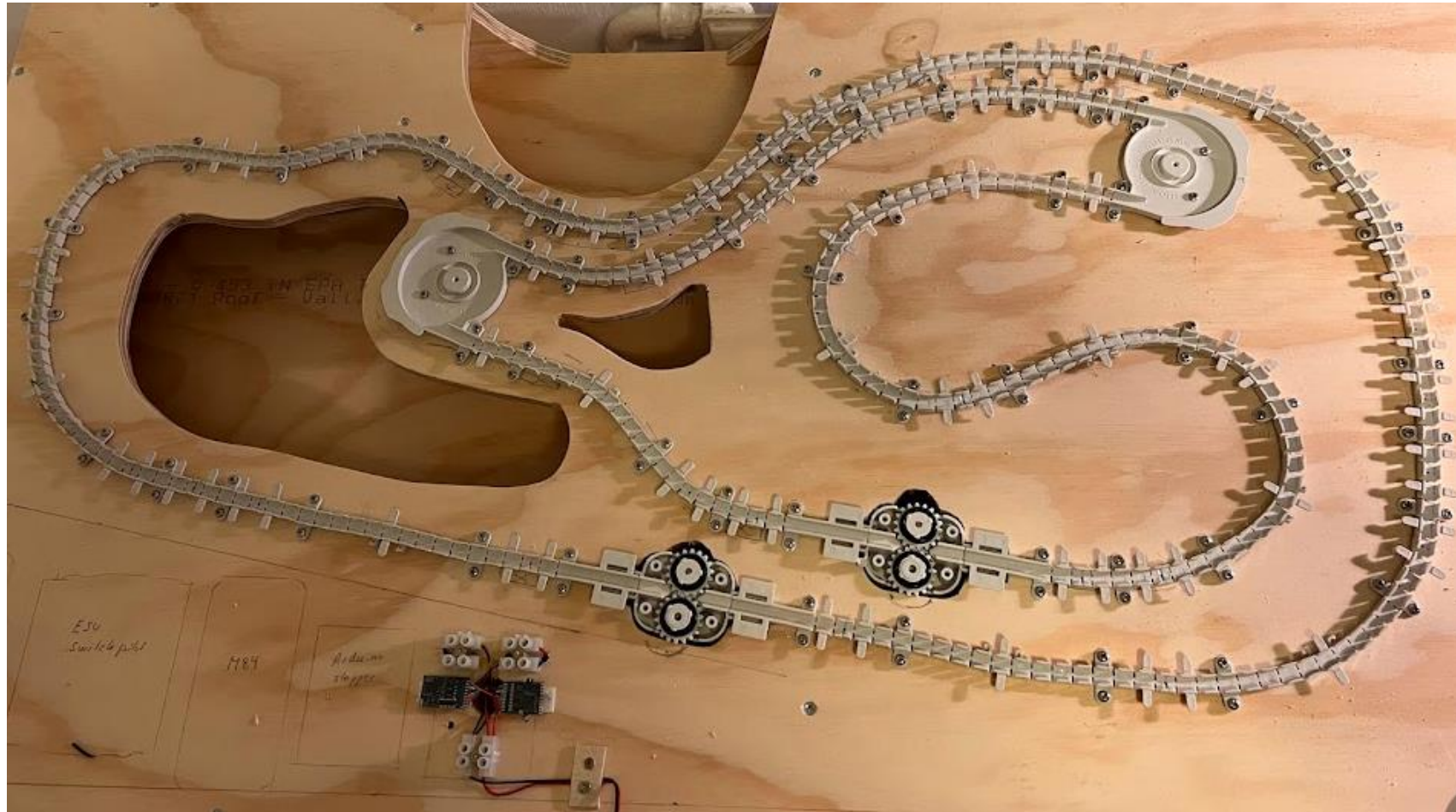
- Sjovt med andet end tog der bevæger sig
- Virkelighedstro – der er jo andet end tog der kører
- Og så kan det styres sammen med toget



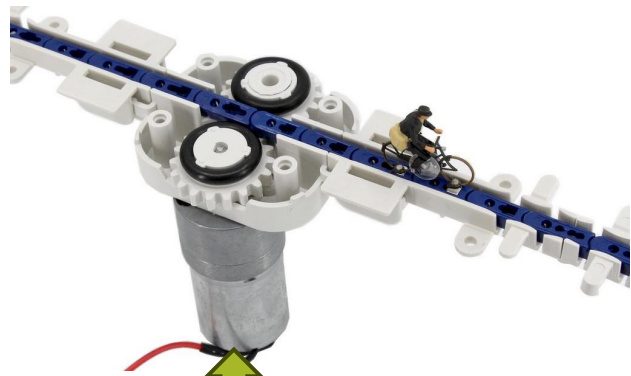
# Magnorail – hvordan fungerer det ?



# Magnorail – eksempel – 2 kredse



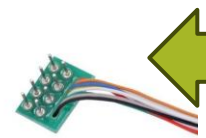
# Magnorail – styres fra Central



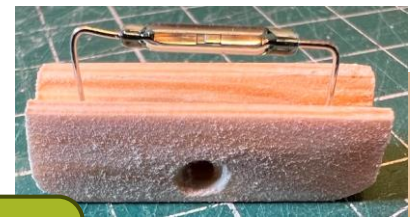
LOK PILOT



DCC



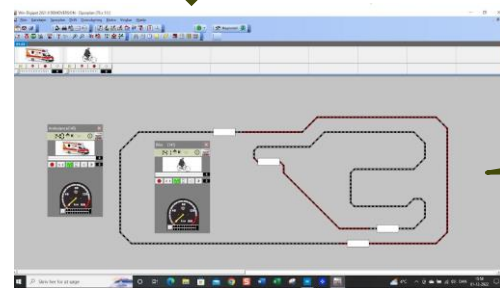
Reed-kontakt



Ekstra magnet – drejet 90 grader



S88

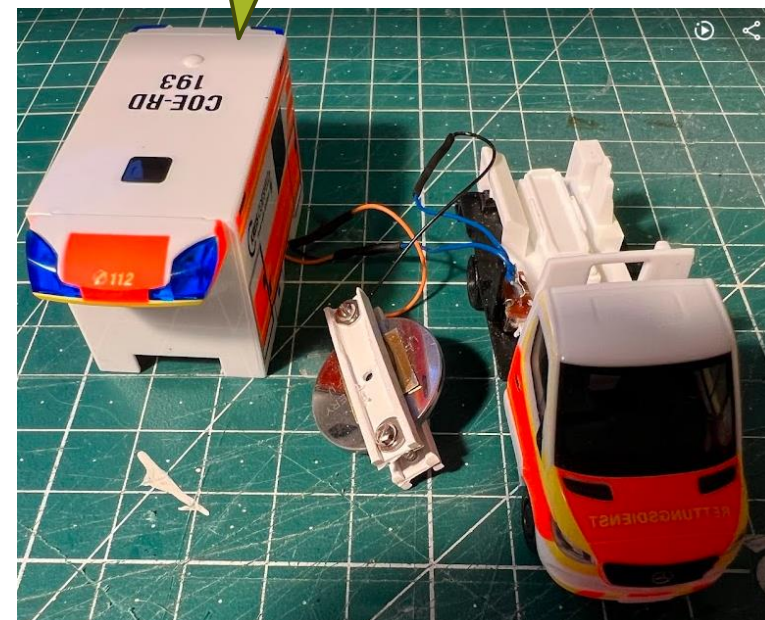
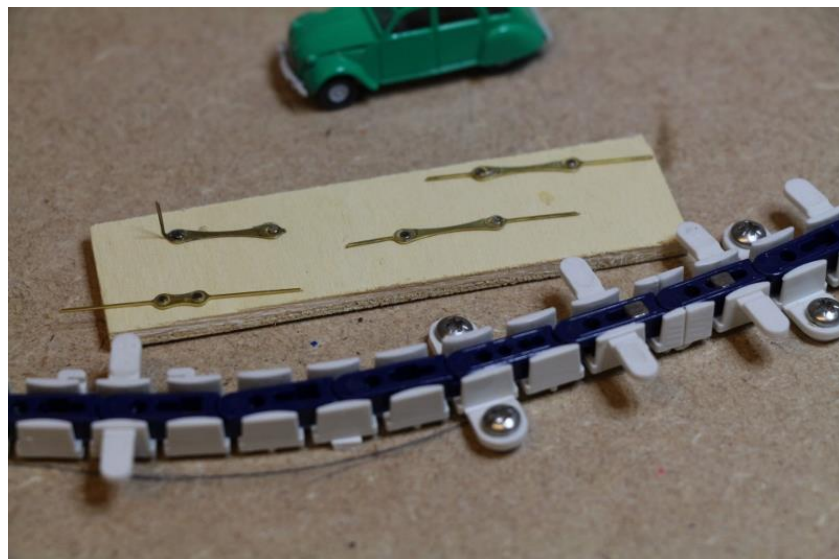


Windigipet

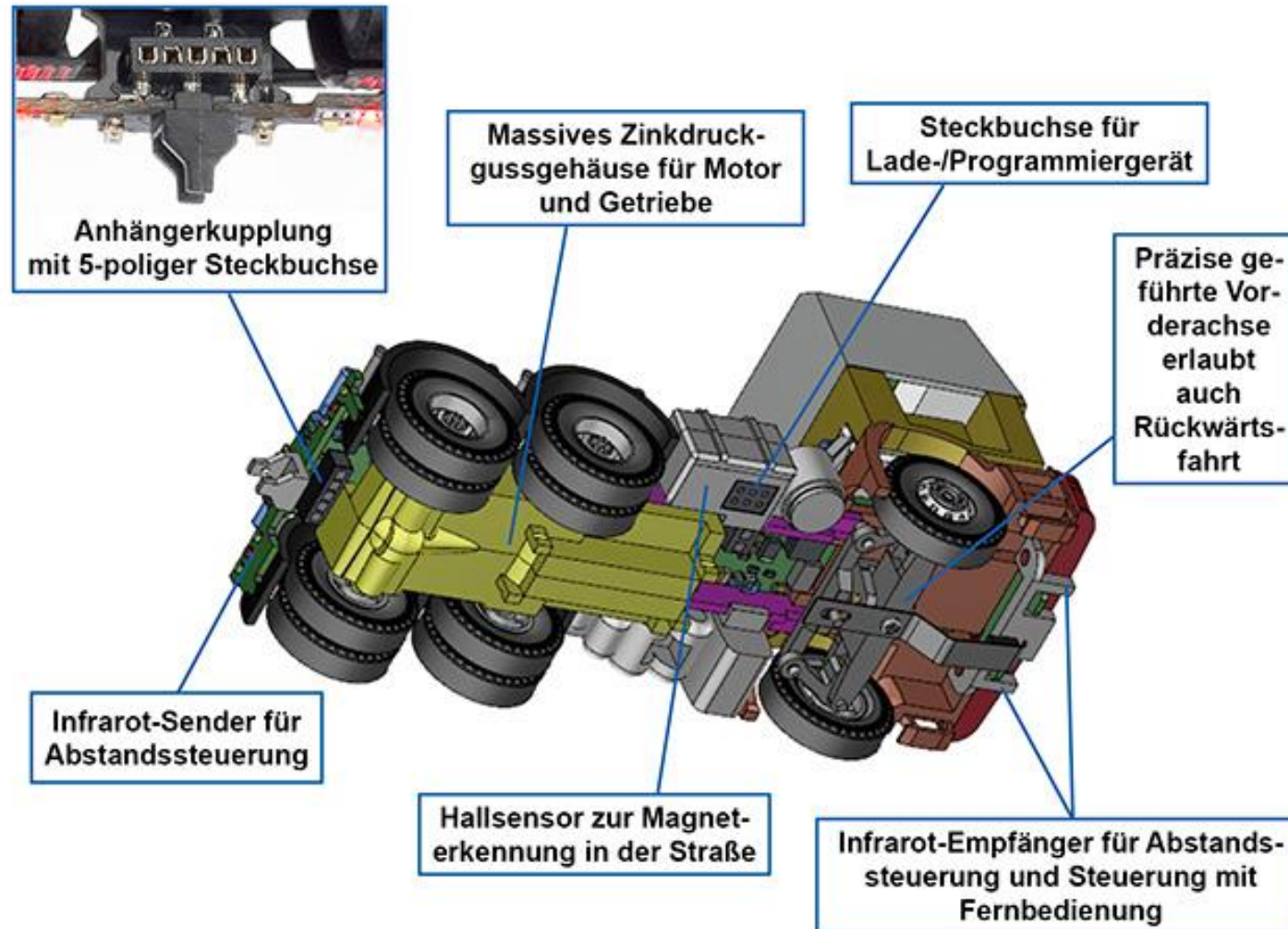
# Magnorail – også biler og både



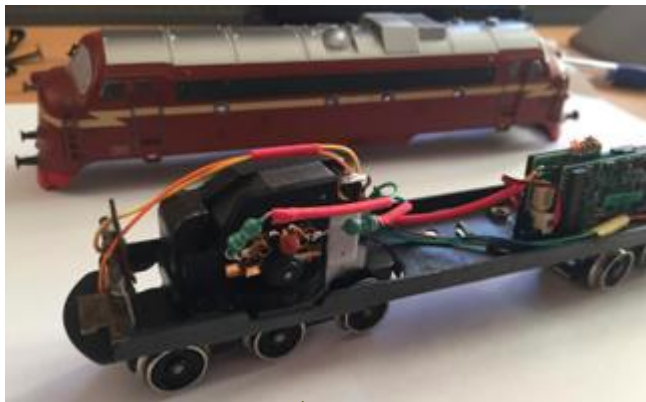
Ambulance m blå blink



# Car-Motion – hvad er det ?



# Car-Motion – konfigurere DCC dekoder



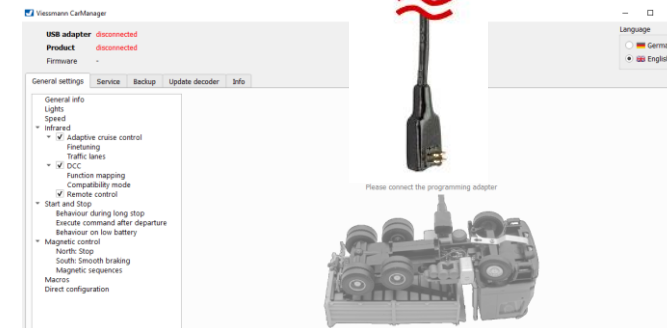
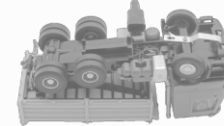
DCC-dekoderen i bilen konfigureres på samme måde som et lokomotiv



Gratis program – program ledning 179 kr



Please connect the programming adapter

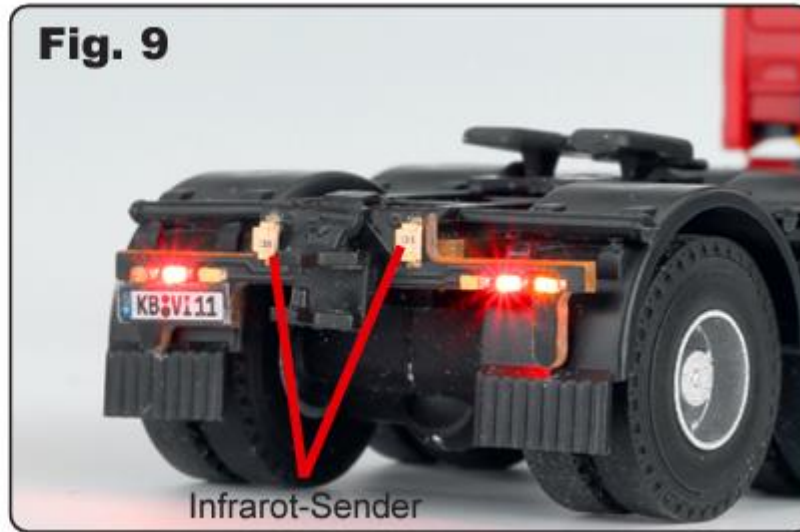




Car-Motion – konfigurierer – Live demo 😊



# Adaptiv fartpilot



Adaptiv fartpilot –  
som i moderne  
'rigtige' biler.

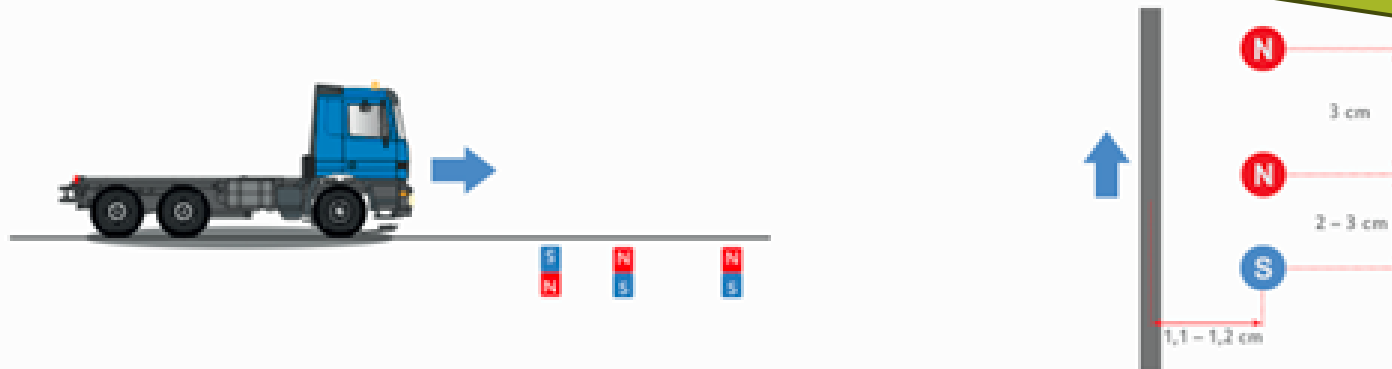
Ret smart – demo  
senere 😊

# Magnet sekvenser

## Magnetic control / Magnetic sequences

### Magnetic commands

<b>N</b>	Immediate stop				
<b>S</b>	Smooth braking				
<b>S N</b>	Restore default driving mode				
<b>S S</b>	Macro 5 (stopping lane, brake)				
<b>S N N</b>	Macro 1 (turn signal right, speed limit 30)	30	cm	30	km/h
<b>S N S</b>	Macro 2 (turn signal left, speed limit 30)	30	cm	30	km/h
<b>S S N</b>	Macro 3 (speed limit 30)			30	km/h
<b>S S S</b>	Macro 4 (high beam on)				



8 Mulige kombinationer med 3 magneter

Hvis flere end 1 magnet skal der altid startes med en Syd

Default er der mappet til Makro 1 til 5 – det kan dog ændres ! 😊

# Makroer – vi laver selv en makro

## Macros

Macros are advanced commands which can be triggered by driving over magnetic sequences, by infrared emitters, or when certain fulfilled.

1 2 3 4 5 6 7 8 9 10

**Summary:** beacons on, high beam on, brake

Used by magnetic sequences: SSS

Reset speed and all functions before executing the rest of the macro.

Macro is only executed, if we are driving behind someone.

Probability of activation

### Functions

Head- and taillights

High beam

Roof beacons

Turn signals, left

Turn signals, right

### Speed

custom braking distance

cm

### Lane (for infrared cruise control)

### Special status

End conditions (speed and functions set by this macro will lose effect)

Time limit  sec

Any next macro

Distance limit  cm

Stopped on a north magnet

Released from a north magnet

Makro nr 7 er ny

- Sluk for lyset
- Tænd roterende blink på taget
- Brems langsomt ned
- Efter 10 sekunder – vend tilbage til tilstand før makroen blev aktiveret

# Kald den nye makro

## Magnetic control / Magnetic sequences

### Magnetic commands

<b>N</b>	Immediate stop
<b>S</b>	Smooth braking
<b>S N</b>	Restore default driving mode
<b>S S</b>	Macro 5 (stopping lane, brake)
<b>S N N</b>	Macro 1 (turn signal right, speed limit 30)
<b>S N S</b>	Macro 2 (turn signal left, speed limit 30)
<b>S S N</b>	Macro 3 (speed limit 30)
<b>S S S</b>	Macro 7 (beacons on, high beam on, brake)

Makro 4 er nu udskiftet med den nye Makro 7.

Så når vores blå lastbil møder 3 magneter med S-S-S så bremses ned og de gule lys på yaget blinker

Det var 10 sekunder

# Car-Motion – Magneter og afstandsstyring 😊



# Car-Motion – styring fra Central

Konfiguration BLAA Lastbil

Navn BLAA Lastbil

Billede

Symbol for MS Andet

Dekodertype DCC

Lokomotivadresse 30

CV-adgang CV Køretrein 28

Pendulkørsel Funktioner 16

Startforsinkelse 0

Mseforsinkelse 0

VMin 13

VMax 255

Lydstyrke 100

Tacho 121

Simulering Uden Spilewelt

BLAA Lastbil FS 0

Rst

Bilerne oprettes helt som et lokomotiv – med DCC dekoder

keyboard layout memory setup

FS 8 FS 9 FS 10 FS 11 FS 12 FS 13 FS 14 FS 15

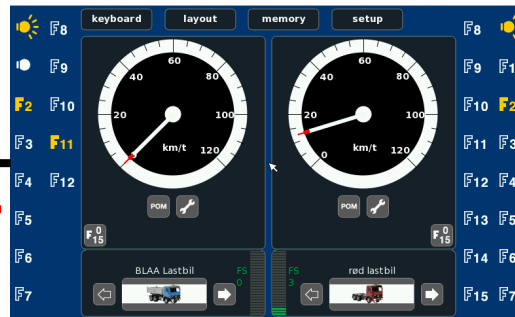
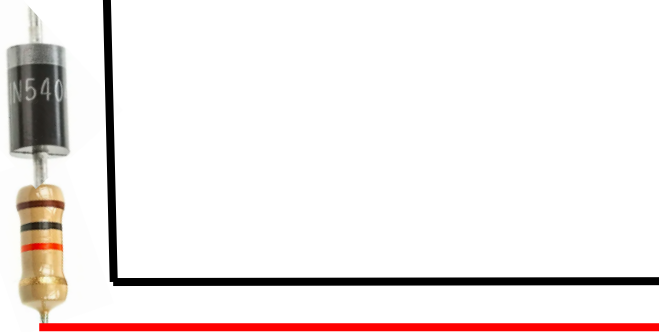
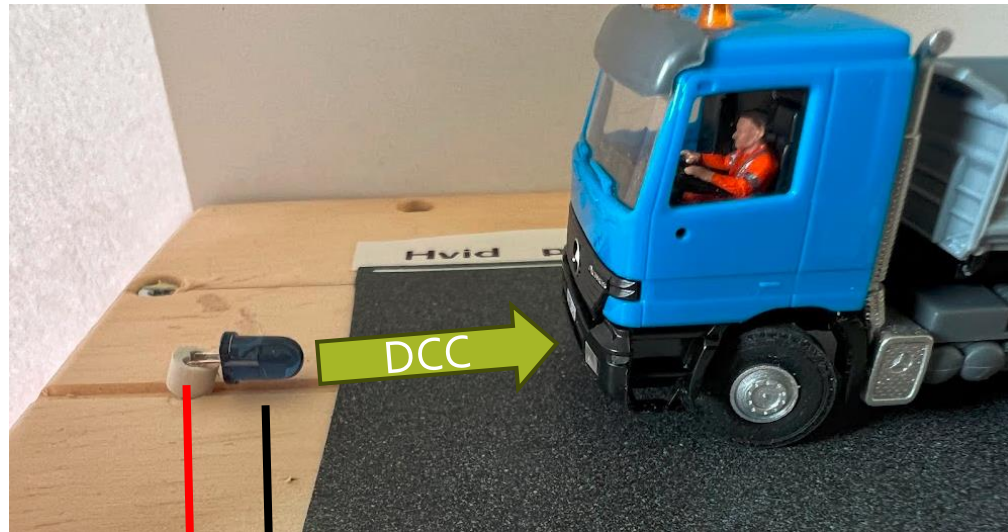
km/t km/t

POM Wrench

BLAA Lastbil FS 0

rød lastbil FS 3

# Car-Motion – styring via IR lys



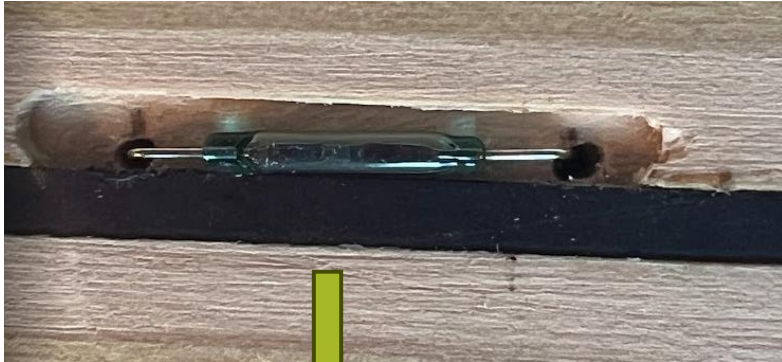
Forbind pæren til digitalstrøm

- 5 mm IR Led
- Diode – 1N400x
- Modstand – 330 Ohm

Placer LED for enden af lige strækninger



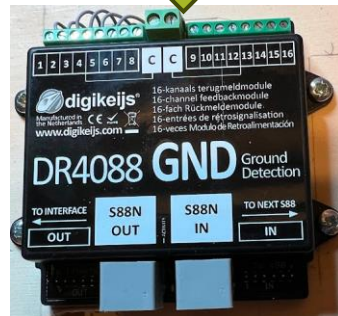
# Car-Motion – tilbagemelding



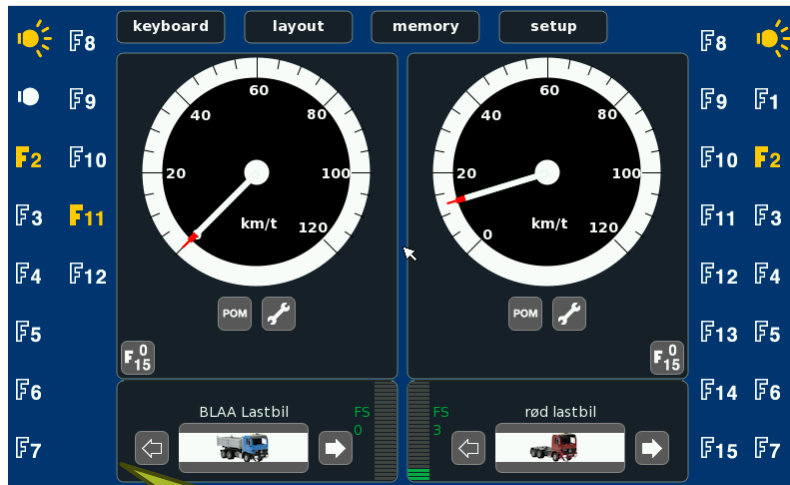
Reed-kontakt:  
10W (0,5A) Ø2,2x14mm

Aktiveres af magneten  
på bilens slæbesko

Den forbindes til S88  
tilbagemeldingssystemet



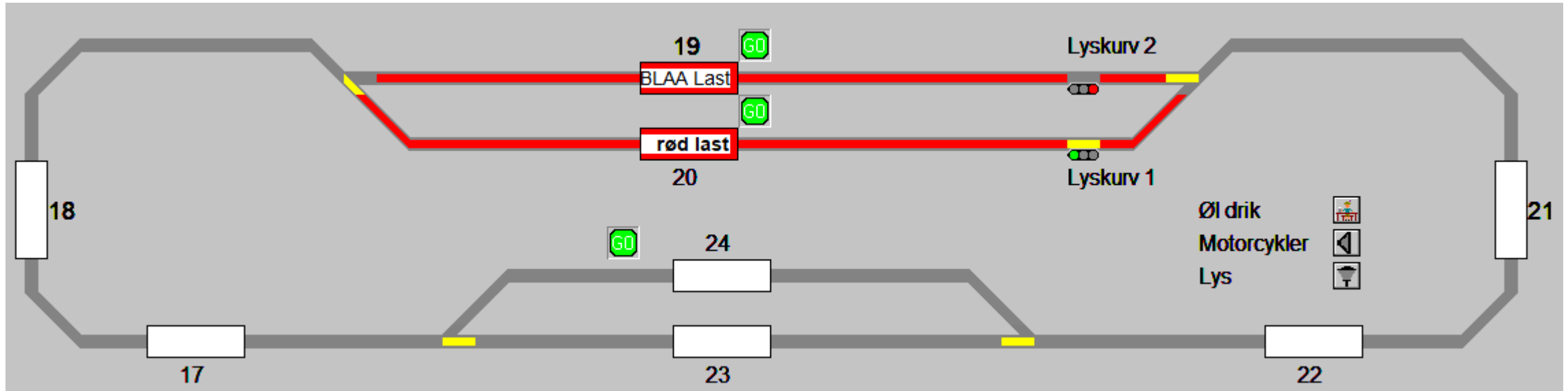
# Car-Motion – styring af bil



Bilen nu styres fra CS2 – helt som et lokomotiv – med hastighed og funktionstaster Fo til F8



# Car-Motion – Windigipet



# Tak for opmærksomheden

Oktober 2023

[Krogsgaardsmodelbane.dk](https://krogsgaardsmodelbane.dk)

[Modeltog-guide.dk](https://modeltog-guide.dk)

