

Piko BR24 en

Retrofit of a “PIKO Steam loco BR24” with a XLS Sound decoder. (Picture 1)
The loco has 3 headlights front and rear and a standard smoker.



Picture 1 : Piko 37220 “Steam loco BR24”

Needed parts:

1x 8210540 XLS-Sound decoder : PIKO BR24

1x Cable Mini-CT 3-pole for Poti connection

Standard retrofit (in the Tender):

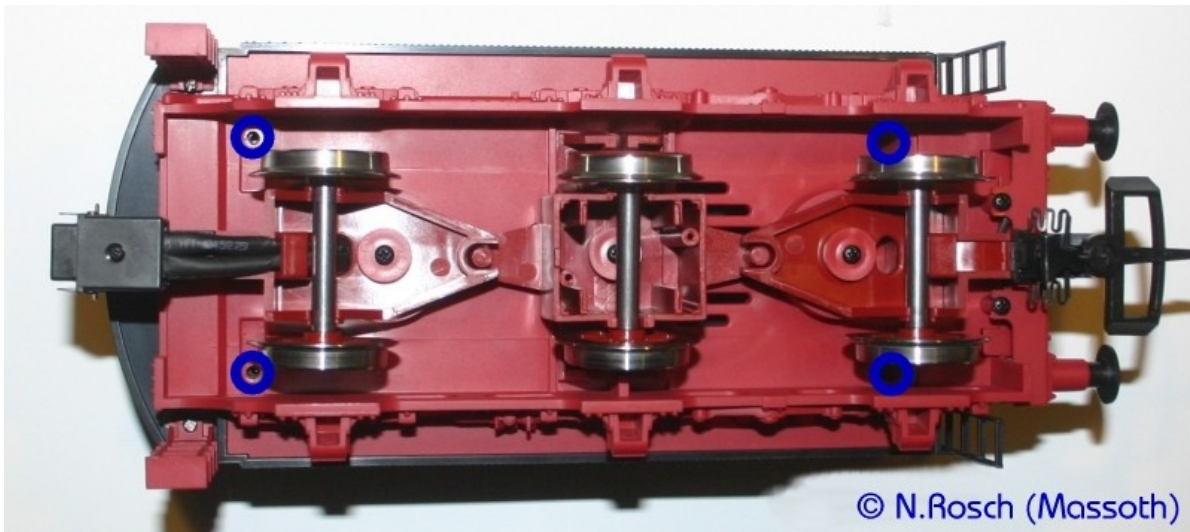
Mount the decoder in the tender, you don't have to open the loco for it.

You can easily open the tender:

- Remove the rear water tank cover.
- Remove the tender insertion pressing forward.

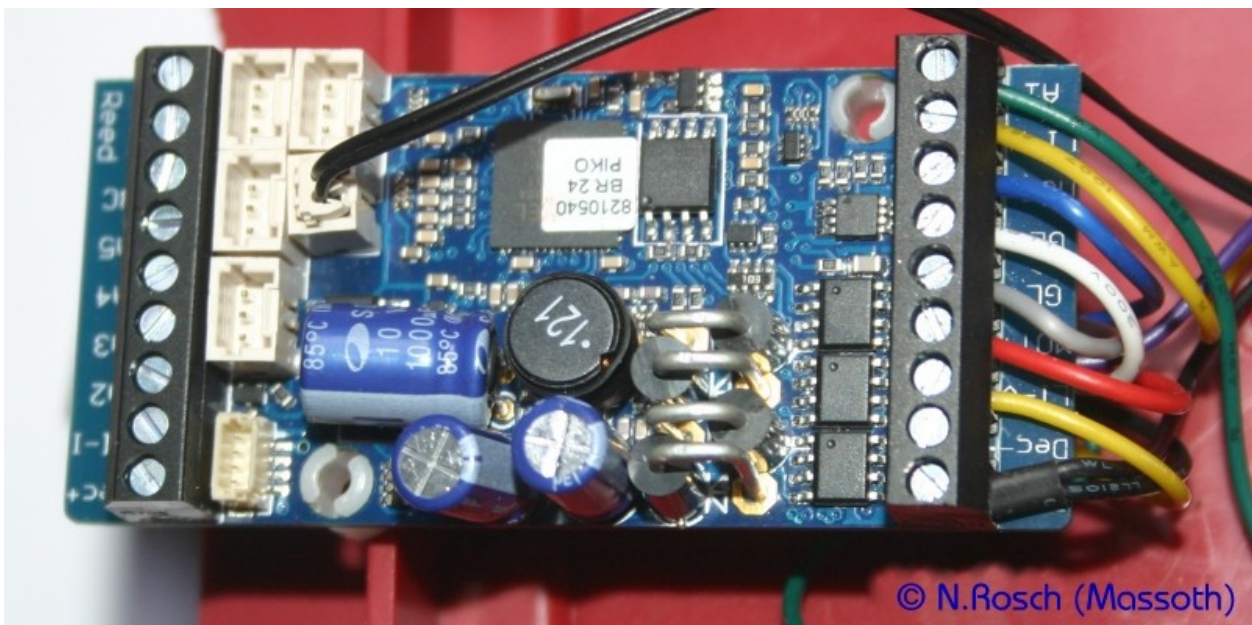
While the connection wires are very short, we recommend to open it completely.

- Open the 4 marked screws on the bottom of the tender.
- Remove the tender housing to the top.



Picture 2 : Remove the 4 screws in the bottom of the tender

- Remove analog PCB
- Rewire cables to decoder



Picture 3 : Connection of decoder

Connection of decoder (Picture 3):

- “GL+” = white cable
- “GL-” = grey cable
- “Mot+” = red cable
- “Mot-” = blue cable
- “+24V” = black cable
- “LI-V” = yellow cable for light front
- “LI-H” = yellow cable for light rear
- “FA1” = green cable for smoke unit

Mount decoder with screw like shown in picture 4

- Mount the speaker with 2 screws on the bottom of the vehicle.
- Plug the speaker cable in the 2-pole socket of the decoder.



Picture 4 : Mounting of the decoder and speaker

- Additionally you can connect the poti under the water tank cover.
- Therefore you have to solder the 3 pole cable on the blue marked positions (Picture 4)

Programming:

- All CV's are preset for this loco.
- You can dim the light with CV 50 (e.g. Value=20)

IMPORTANT: The decoder is preset for LGB-MTS (14-speedsteps + Serial).

- DiMAX-User have to program CV29=2 (28-speedsteps) and CV49=2 (Parallel functions)

IMPORTANT: Wrong cabling or programming can cause to a damage of electronic parts!
Take care that no wires are pinched or damaged during assembly by screws.