

Manual HSB Mallet



FGB-Team / fgb-berlin.de

HSB Mallet 99 5901
ZIMO - Digital/Sound
(Artikel-No 2011012)

Train Line Gartenbahnen – Made in Germany

The role model

The Mallet steam locomotives NWE 11 to NWE 22 - Series 99.59 The HSB

Between 1897 and 1901 the Nordhausen-Wernigeroder railway company (NWE) from the machine factory Arnold Jung in Jungental procured nine locomotives and from the machine factory Güstrow three locomotives of the type Mallet. They were given the numbers NWE 11 to NWE 22.

These Mallet locomotives (B'B n4vt) proved to be very suitable for the slopes and arches. Six locomotives seized by the army fieldbuses in 1914 did not return from the deployment in France after the First World War.

Since the Mallet locomotives formed the rear wheel of the locomotive, they received new boilers between 1924 and 1926. Since a locomotive was scrapped after an accident in 1927, the DR was able to take over five locomotives during the nationalization. They were assigned as 99 5901 to 99 5905 of the series 99590.

From the mid-1950s onwards they were used on the Selketalbahn. Today three of the locomotives (two operable) are in the stock of the Harzer Schmalspurbahnen GmbH (HSB).

Train Line Gartenbahnen – Made in Germany

The model

Through the use of special plastics, the model of Train Line Gartenbahnen is robust and weatherproof and therefore suitable for indoor and outdoor use.

This detailed model has the following features:

- Two Bühler motors
- Stainless steel wheels
- Current consumption on six contacts per bogie
- Grip on the rear bogie
- Four driven axles
- Radial contacts for the pulsed smoke generator and sound
- Proven digital steam engine noise:
- Whistle 5901
- Bell jar
- Announcement station
- Open cylinder cocks
- Driver's lighting
- Driving light
- Shunting gear motor
- Air pump fast
- Water jet pump
- Coal shoveling
- Air pump slow
- generator

Train Line Gartenbahnen – Made in Germany

- Driving Directions
- Brake sound
- Stationary noise to ride: air pump, coal shoveling, water jet pump
- Hissing in the booth
- Steam ejection in synchronism with the wheel rotation
- Speaker, volume adjustable via CV 266
- Boiler fire
 - Multi-position switch 0-1-2
- Pulsed evaporator
- 3.1kg total weight for a high traction
- High quality LURAN S plastic, dyed, primed and varnished
- Many details and attachments
- Robust and robust design for all-year operation on the garden rail system
- Automatically changing direction of travel
- Engine lighting
- Real coal for the coal box
- Pipette for easy filling of the evaporator
- Another tow hook

Train Line Gartenbahnen – Made in Germany

More information

Removal of the model

Carefully remove the model from the styrofoam packaging so that the attachments such as watercocks, handrails, compressed air pipes, etc. are not damaged.

Power supply

The model has two Buhler motors, seven lamps, eight LEDs and a pulsed evaporator. The locomotive works with all DCC-compliant digital centers.

Multipart switch

The multi - position switch (positions 0 - 1 - 2) in the back of the boiler in the cab allows the locomotive to be parked despite driving.

Position 0: locomotive off

Position 1: all functions are switched on

Position 2: Same as position 1

lighting

In the cab is a lighting that lights in both driving directions. The driving light is connected in the direction of travel.

Engine lighting

On each loco side, four LEDs are installed as engine lighting. In digital mode the LEDs can be connected via function.

Train Line Gartenbahnen – Made in Germany

Motors

As the Bühler engines are installed in a horizontal position, all four axles are driven directly. The gears are made of highly durable plastic.

For an excellent handling, it is important that you allow the model to run in approximately 20 minutes (in both directions).

Pulsed smoke generator

The pulsed smoke generator is built as standard under the chimney. For this purpose, the chimney is filled with the pipette supplied with up to 3 ml of commercially available steam oil (for example, article 3064500).

The pulsed smoke generator can be operated "dry" without steam, without damage, but a longer operation without steam must be avoided!

There is sufficient ventilation in the interior.

radius

Due to the two mobile suspended bogies the model also runs through the narrowest radius of 600mm.

Boiler fire

The boiler fire is connected and switched on and off separately in the delivery state.

The function is be coupled with the sound "coal blades". More in the CV table.

Train Line Gartenbahnen – Made in Germany

Exploded view

An explosion drawing can be downloaded from the Internet at www.train-line45.de.

IMPORTANT NOTE TO THE MODEL WITH ZIMO DECODER:

- The volume control is in the muffler. Total volume CV266
- The built-in decoder is the ZIMO MX 696. The complete instruction can be downloaded at www.zimo.at
- The decoder is set to 28 speed steps. Please adjust CV29 for 14 speed steps. CV29 = 0 / CV29 = 1 corresponding to the desired direction of travel for 14 speed steps
- If the starting and braking delay is changed, the Dämpfen sound project may no longer produce the sound properly.

Train Line Gartenbahnen – Made in Germany

Pictures:

Filling possibility for steam liquid



Multipart switch on the back of the boiler

Train Line Gartenbahnen – Made in Germany

To open the locomotive:



1. **Open the roof, with the locking lugs
Gently press inwards and
Remove roof top**
2. **Loosen the two screws
Cab, four from below
Behind the treads**
3. **After this, the boiler rear wall is released and the cab carefully
pushed upwards out of the guide on the boiler.**

Train Line Gartenbahnen – Made in Germany

4. The bell is then pulled out. Now the steam boiler can be pulled a little backwards and then removed upwards.



This opens the access to the board. All connections can be plugged in here.

Train Line Gartenbahnen – Made in Germany

IMPORTANT SAFETY INSTRUCTIONS:

No toy

This model is not suitable for children under 14 years

The abrasions on the mechanical parts which are possible due to the driving operation can leave impurities on the substrate. In the case of damage TrainLine Gartenbahnen GmbH assumes no liability whatsoever.

As a service, we provide spare parts for our models. If a component is defective in operation, you can order it from us.

Train Line Gartenbahnen – Made in Germany

Digital the following functions can be switched:

| Funktion | Funktionsdescription |
|----------|--------------------------|
| F0 | Front light |
| F1 | cabin light |
| F2 | engine lightning |
| F3 | whistle short(1) |
| F4 | whistle long |
| F5 | bell |
| F6 | smoke generator |
| F7 | Cylinder drainage |
| F8 | sound on/off |
| F9 | Bow squeaking |
| F10 | Coal shovels |
| F11 | auxiliary blower |
| F12 | Decoupling noise + waltz |
| F13 | coupling noice + waltz |
| F14 | Safety valve long |
| F15 | full load |
| F16 | tunnelfader |
| F17 | Conductor whistle |
| F18 | train service |
| F19 | conversation drivers |
| F20 | water |
| F21 | Pressure relief valve |
| F22 | air pump fast |
| F23 | air pump slow |
| F24 | jet pump (waterboiler) |

Zimo decoder manual http://www.zimo.at/web2010/documents/MX-GrosseDecoder_E.pdf

Train Line Gartenbahnen – Made in Germany

We wish you much pleasure with the steam locomotive and
always enough steam in the boiler!

Your Train Line Gartenbahnen GmbH Team



Train Line Gartenbahnen GmbH
Menzelstr. 6
32257 Bünde
Tel: (0) 5223/6530 789
Fax: (0)5223/6530 788

www.train-line45.de
info@train-line45.de