YAMORC®
DIGITAL

YD7652

TURNTABLE CONTROL

BASIC VERSION QUICK GUIDE

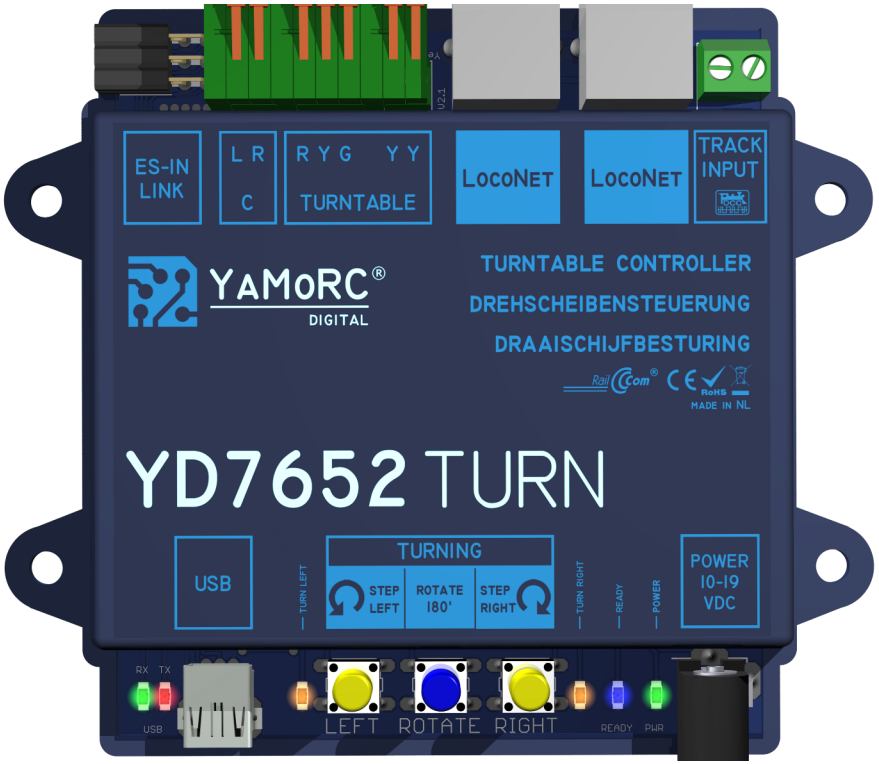
(2026-06-18)



Designed by Karst Drenth
Made in Germany
Assembled in NL

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Description

- The YD7652 is a turntable decoder capable of controlling Fleischmann® turntables (6052, 6152, 6154, 6651, 9152, with or without 'C', or equivalent models) and Roco® turntables (6152, 6154, 35900, 42615).
- A suitable adapter is available for the **original** Roco® 42615 turntable, so there is no need to modify the turntable in this case either.
- The YD7652 supports all standard control protocols (DCCext aspects, Fleischmann, Märklin, etc.).
- When using the YD7652, **no modifications** to the turntable are required; the turntable can be connected and operated straight out of the box.
- The polarity reversal of the stage track is handled directly by the YD7652, so no additional hardware is required.
- A **RailCom®** detector and a **standard occupancy** signal for the platform track are, of course, also integrated.
- The connection to LocoNet® is made via either LocoNet® B or T. Important! LocoNet® T and B must never be connected to each other.

Function description:

Position detection is achieved via the locking mechanism of the turntable platform, which is why a 'click' from the lock can be heard at each track connection. It is possible to brake slowly at the selected track connection. The motor is controlled directly via the YD7652. The speed can be adjusted individually in the tool.

Basic requirements for using the YD7652:

The turntable must be in good mechanical condition and work perfectly!
It is important that the locking mechanism (Fleischmann® or equivalent) on the turntable drive opens fully. No clicking noises should be heard when turning if the locking mechanism is disengaged!

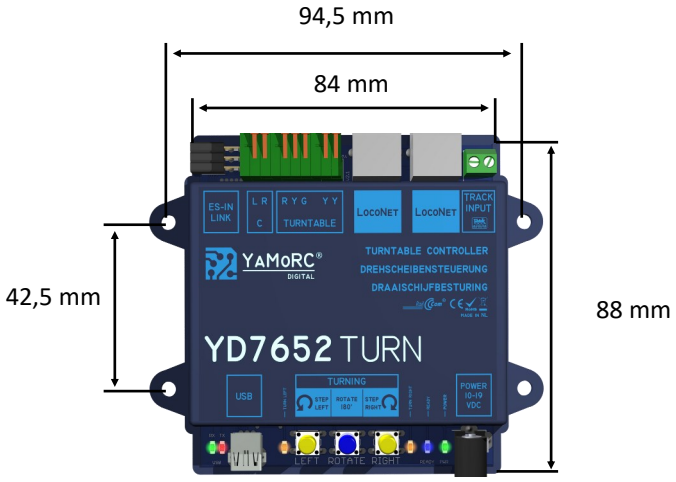
Please note !

As a general rule, the track connections for the turntable must be isolated from the shed tracks! It is essential to ensure this to prevent a short circuit. The connecting tracks can then be supplied with track voltage as normal or monitored using a feedback module. The polarity of the track connections can be set in the configuration programme.

Technical specifications

Number of feedbacks	A feedback input for the occupancy signal of the turntable track.
address range	1 - 4096
Load capacity of a feedback input	2 A
Overload resistance of a feedback input	5 A für 100 ms
Sensitivity of the transponders	1 mA current flow
Railcom® Transponder	The stage track is fitted with a Railcom® detector.
supply voltage	Recommended input voltage: 16-19V DC; max. 60W Power is supplied via a DC-powersupply (YD7460-18), which must be purchased separately!
Other respondents	**Platform rotating** **Position reached** **Emergency stop activated** This feedback unit can be assigned any Loconet® address. Feedback is transmitted via Loconet®.
Dimensions of the housing	84 mm x 88 mm x 22 mm
Hole spacing	94,5 mm, 42,5 mm

Dimensional drawing



Assembly

The YD7652TURN is mounted using the four mounting holes on the side of the housing.

Important information:

- The YD7652 is intended exclusively for use on an electric model railway.
- The YD7652 is not a toy and is therefore not suitable for children under 14.
- Never leave the YD7652 running unattended.
- Power supplies (power adapters, transformers, etc.) must comply with the relevant VDE/EN and CE standards.
- The power sources used (power supplies, transformers) must comply with protection class 2. Failure to do so may result in serious damage to the YD7652. The power sources must be marked with this symbol.
  Further information on protection class can be found here, for example: https://www.google.com/search?q=schutzklasse+2&oq=schutzklasse+2



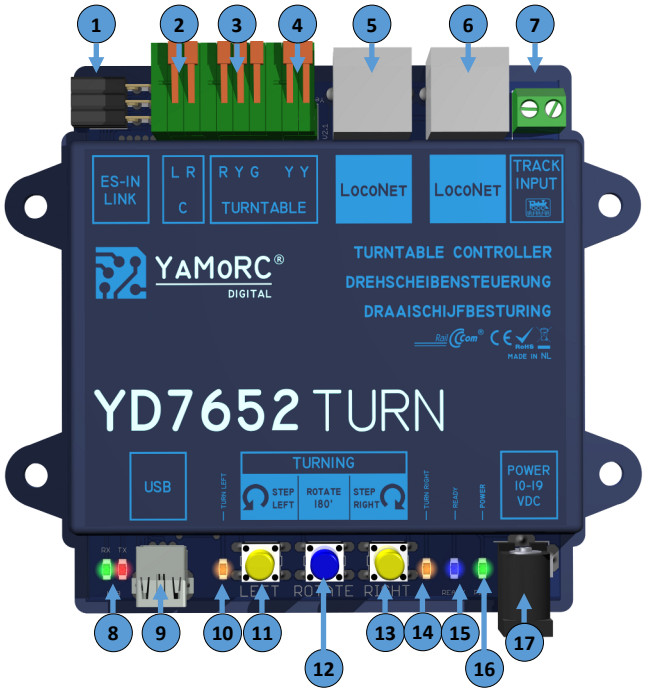
- Power supplies must not exceed a maximum output power of 60W.
- Power supplies must not exceed a maximum output voltage of **19 VDC**. Failure to comply with these limits may result in damage caused by overvoltage, which is **not** covered by the warranty.
- The use of an AC transformer **is not permitted!** If an AC transformer is connected to the “Power” terminal, this will cause **irreparable damage** to the YD7652! Such damage is not covered by the warranty.
- Power sources must be protected in such a way that a cable fire cannot occur in the event of a fault.
- A **USB isolator** must be used if a control unit (Track Out) is connected to the YD7652’s track input via USB or LocoNet®. The USB isolator prevents dangerous ground loops or compensating voltages or currents between the components.
- The **“ES-Link In”** connection (on the left-hand side of the YD7652) **is not** intended for configuring the YD7652! Only additional turntable modules (YD7652EX and YD7652ES) and feedback modules (YD6016ES-xx) can be connected to the ES-Link In.
- If the **“ES-Link In”** connector (on the left-hand side of the YD7652) is connected to a YD9100 USB configuration module, this will result in the **destruction** of both modules! This damage is **not** covered by the warranty.
- It is not permitted to connect different voltage sources or circuits to a common earth. This will result in the destruction of the YD7652.
- It is essential to ensure that the individual connections have a sufficient wire cross-section.
- The terminals for the track input are rated for a cross-sectional area of 0.75 mm².
  All other terminals are rated for a cross-sectional area of 0.5 mm².
- Connection work must always be carried out with the power switched off. Disconnect or switch off the LocoNet® and the power supply via "C" from the control unit.
- Under no circumstances should the YD7652 be installed near strong heat sources, such as radiators or areas exposed to direct sunlight.
  You should therefore install the YD7652 in a well-ventilated area to allow heat to dissipate.
- The YD7652 has been designed exclusively for use in dry indoor environments. Therefore, do not operate the YD7652 in environments subject to significant fluctuations in temperature and humidity, or outdoors.

Do not attempt to open the YD7652. Incorrect handling may result in damage to the YD7652.

Special Disclaimer: Digikeijs Power Supply DR0710 ADJ

The Digikeijs DR0710 ADJ power supply unit may, due to internal faults, output excessive voltage, leading to significant damage or destruction of connected components. For this reason, YaMoRC excludes any warranty or guarantee should a Digikeijs power supply of the type ‘DR60710 ADJ’ or an equivalent model be used in conjunction (e.g. as a power supply) with YaMoRC modules and control units.

Hardware Overview



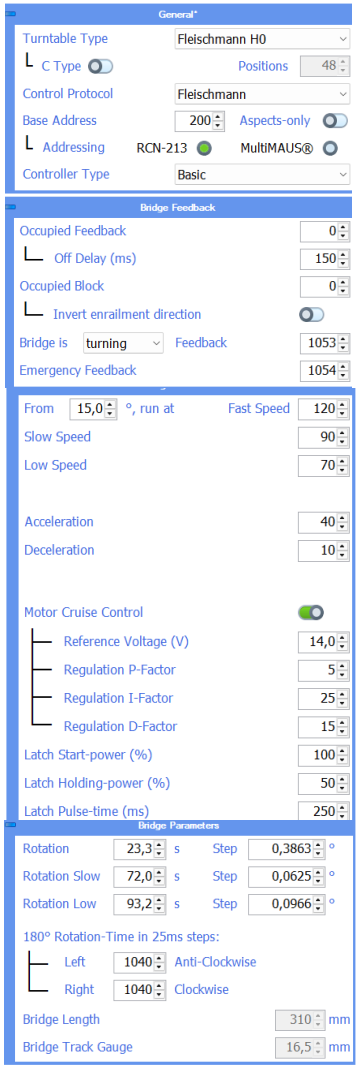
1	**ES-IN Link**	ES-IN Link connection for additional modules (e.g. YD7652EX, YD7652ES)
2	**L R**	Connection of track terminals (see connection examples)
3	**Y** **G** **R**	Connection to the motor control panel **yellow** cable (Fleischmann turntable colour code) **grey** cable (Fleischmann turntable colour code) **red** cable (Fleischmann turntable colour code)
4	**Y** **Y**	Connection to the turntable platform (platform track) **yellow** cable (Fleischmann turntable colour code) **yellow** cable (Fleischmann turntable colour code)
5	**LocoNet®**	**LocoNet®** Connection 1
6	**LocoNet®**	**LocoNet®** Connection 2
7	**Track Input**	Connection to the track power supply from the control centre.

8	**green LED** **red LED**	**USB-status-LED** **green** The RX LED flashes when data is received via USB. **red** TX flashes when data is being sent via USB.
9	**USB**	**USB 2.0 Connection** We always recommend using a USB isolator when configuring the YD7652 via USB.
10	**orange LED**	* Lights remain on; no engine or track voltage *-*-* clockwise rotation *—* Alternating flashing with yellow LED 14; timeout Rotational movement
11	**Step** Left	**Button Step** Left Turn the turntable to the left
12	**Rotate**	**Button Rotate** Rotate the turntable 180 degrees
13	**Step** Right	**Button Step** Right Turn the turntable to the right
14	**orange LED**	* Lights remain on; no engine or track voltage *-*-* Counter-clockwise rotation *—* Alternating flashing with yellow LED 14; timeout Rotational movement
15	**blue LED**	* lights up continuously YD7652 ready for operation *—*—* flashes slowly YD7252 is being initialised (e.g. after saving the settings) *-*-*-* In Basic mode, a position run has been requested
16	**green LED**	**Status LED Status** (two flashing cycles) slow flashing rate Power supply present fast flashing rate No track voltage or external power supply available.
17	**Power 10-19 VDC**	**power supply recommended: YD7460-18** DC 18V, 60W

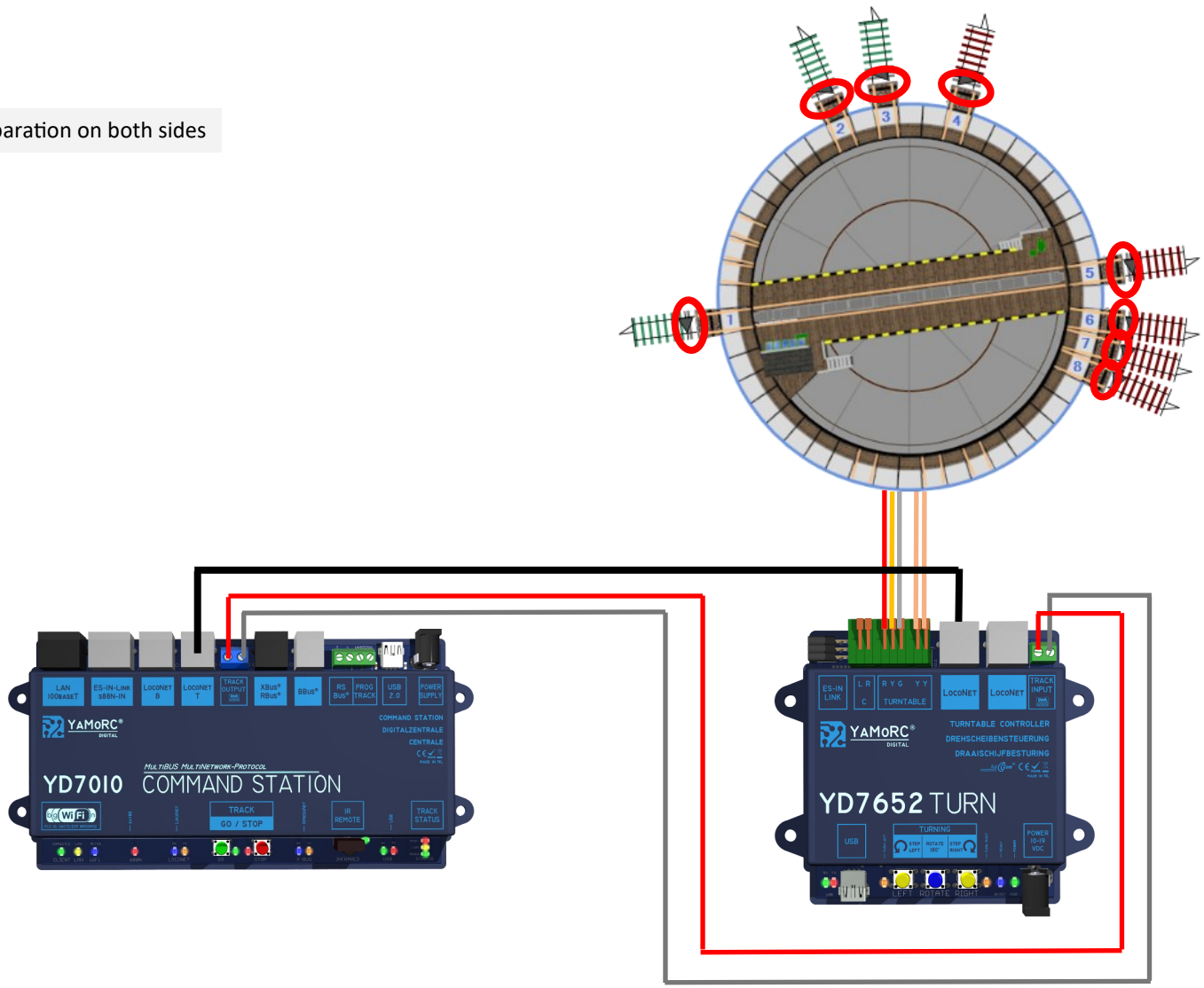
Wiring diagram for Fleischmann® turntable and identical models (Basic mode)

(6052, 6152(C), 6651(C), 6652 (2-Leiter), 6154(C), 9152(C), 35900)
No modifications to the turntable are required! Under no circumstances should the contact strips on the turntable platform be removed.
It is also important that the sidings are isolated (separated) from the shed tracks on both sides. The shed tracks can be supplied with track voltage either via feedback modules or directly from the control centre. Various pieces of information (RailCom® data,
platform feedback module occupancy status, control commands) are exchanged with the control centre via LocoNet®.

These settings are required for operation.
(The parameters can be customised)



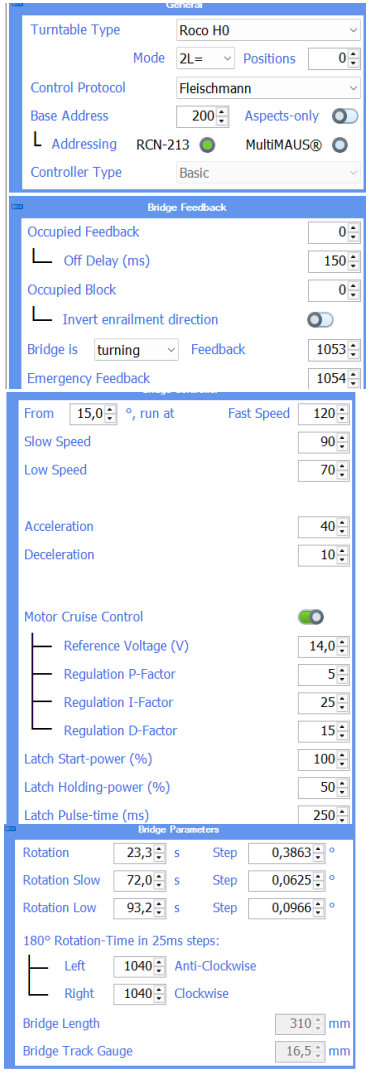
Necessary track separation on both sides



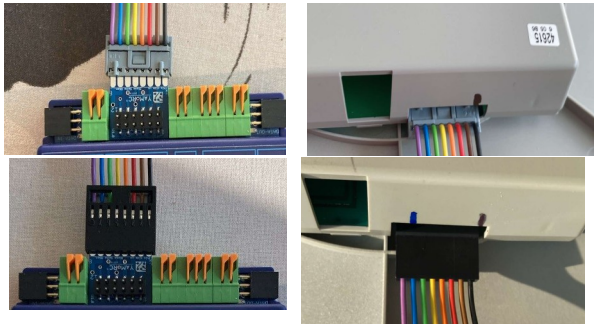
Wiring diagram for the Roco® turntable 42615 (Basic mode)

No modifications to the turntable are required! Under no circumstances should the contact strips on the turntable platform be removed. It is also important that the track connections are isolated (disconnected) from the shed tracks on both sides. The shed tracks can be supplied with track voltage either via feedback modules or directly from the control centre. The Roco® adapter transmits the position feedback from the turntable platform. Various pieces of information (RailCom® data, platform occupancy feedback, control commands) are exchanged with the control centre via LocoNet®. The YD7652EX Turn is required to operate the Roco® turntable.

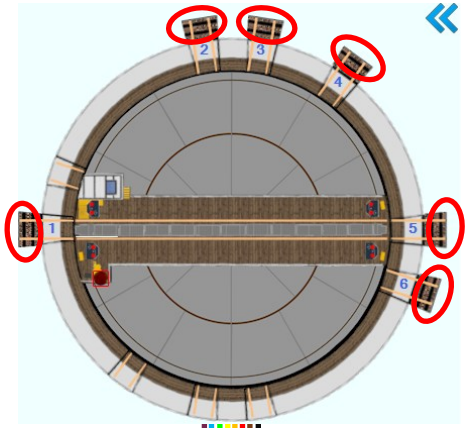
These settings are required for operation.
(The parameters can be customised)

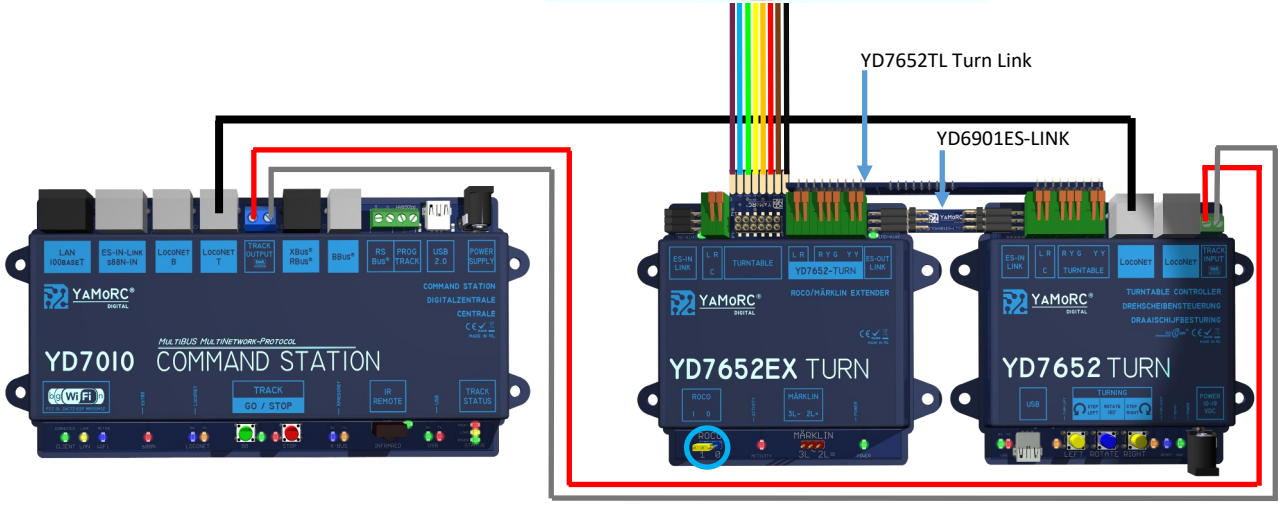


Track must be isolated on both sides
Ensure the jumper is set correctly!



Please note the plug type and orientation!

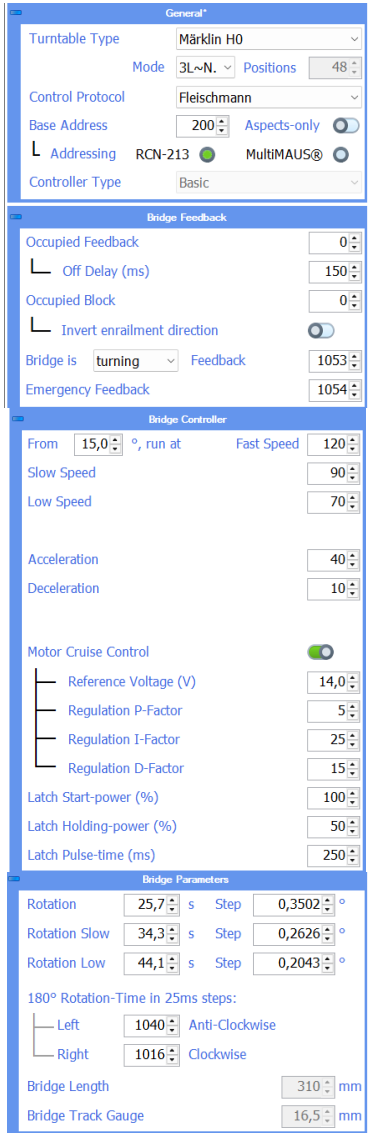




Wiring diagram for Märklin® turntable 7286; Roco 665201 and identical models (Basic mode)

No modifications to the turntable are required! Under no circumstances should the contact strips on the turntable platform be removed.
It is also important that the track connections are separated (isolated) from the shed tracks. The shed tracks can be supplied with track voltage either via feedback modules or directly from the control centre. Various types of information (RailCom® data, occupied feedback from the turntable platform, control commands) are exchanged with the control centre via LocoNet®. The YD7652EX Turn is required to operate the Märklin® turntable.

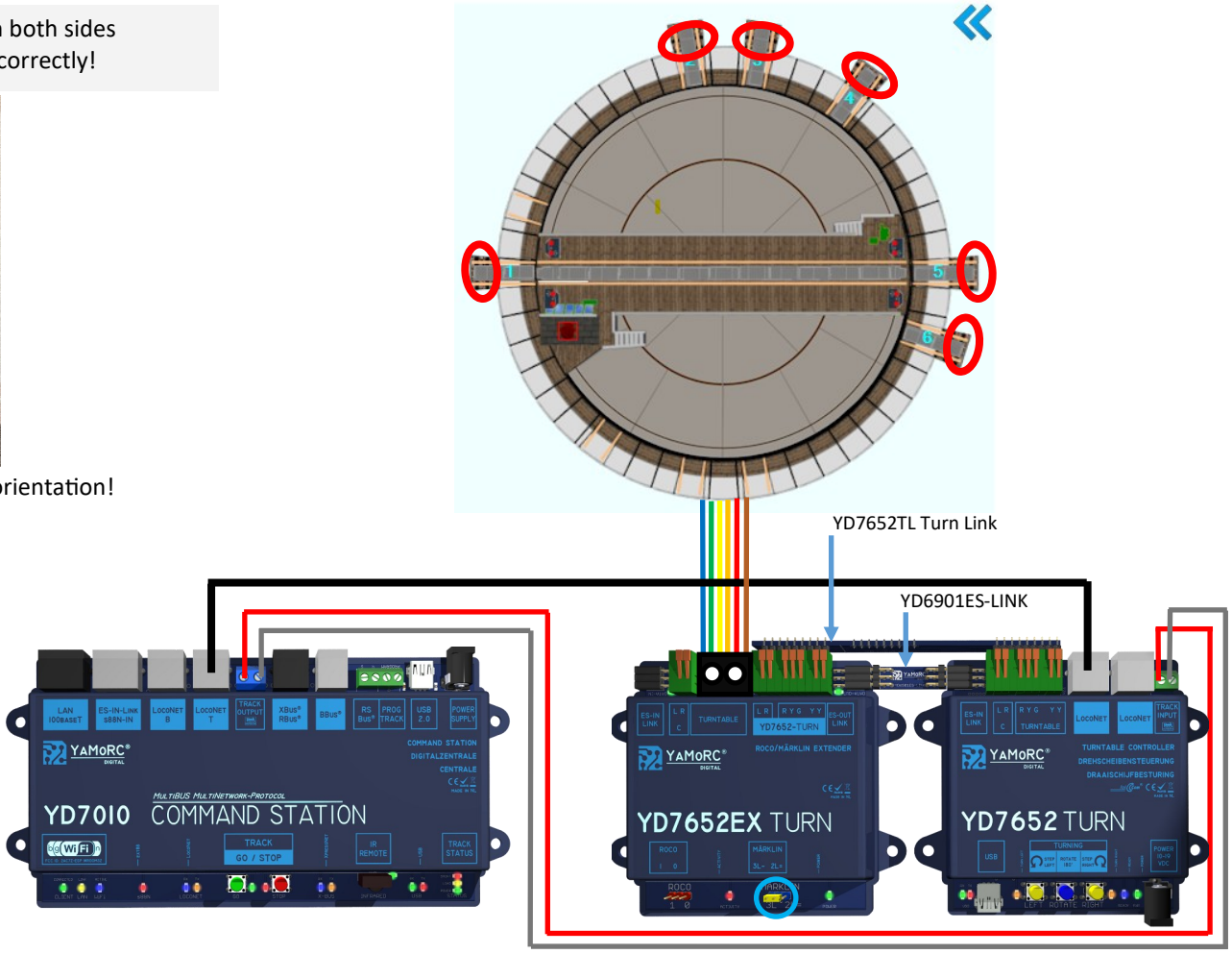
These settings are required for operation.
(The parameters can be customised)



Track must be isolated on both sides
Ensure the jumper is set correctly!



Please note the plug type and orientation!



Warranty

24 months warranty from date of purchase

Dear Customer,

Congratulations on your purchase from YaMoRC. YaMoRC's high quality products have been manufactured using modern manufacturing processes and have been subjected to careful quality control and tests.

Therefore, when purchasing a YaMoRC product, the company YaMoRC grants you a manufacturer's warranty of 24 months from the date of purchase in addition to the national warranty rights to which you may be legally entitled to, from your YaMoRC specialist dealer as contractual partner.

Warranty conditions:

This warranty applies to all YaMoRC products purchased from a YaMoRC dealer. Warranty services are only provided if proof of purchase is presented. Proof of purchase is the purchase receipt from the YaMoRC specialist dealer. It is therefore recommended to keep your purchase receipt safe.

Content of the guarantee/exclusions:

The warranty includes, at YaMoRC's discretion, the free repair or free replacement of the defective part, which can be proven to be due to design, manufacturing, material or transport faults. For this purpose, you must send the decoder to us properly stamped. Further claims are excluded.

The warranty claims are void:

1. in the case of general wear and tear at expected locations (e.g. screw terminals).
2. in the case of modification of YaMoRC products with parts not approved by the manufacturer.
3. in the case of modification of parts, especially by opening the housing.
4. if the product is used for purposes other than those intended by the manufacturer.
5. if the instructions given by YaMoRC in the operating manual have not been thoroughly read by the user & risked mis-use of the product.

The warranty period is not extended by the repair or replacement delivery. Warranty claims can only be made to your dealer enclosing any warranty certificate, proof of purchase and a description of the fault. Products sent directly to YaMoRC products will neither be treated nor returned free of charge.

DD&C

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