



How to operate Rokuhan Turntable (S037) by Rokuhan E-Train controller (C005)

Rokuhan Turntable (S037) can be operated by Rokuhan E-Train controller (C005) (sold separately).

Here is the simple explanation of C005, method to connect and operate S037 by C005.

If you want to learn more about operating S037 by C005, please read the instruction manual for C005 (sold separately).

A tablet or Smartphone is necessary to operate S037 by C005

① Download and install the necessary application into Tablet / Smartphone

Please search for “E-Train controller” and download the free App from the App store for iOS tablet/phone and Google Play store for Android tablet/phone.

② Precautions for using App

- Tablet/phone information may be updated. Please refer to <http://www.rokuhan.com> for compatible tablet/phone for Rokuhan E-Train controller.
- App is FREE to download. Please download it before head and confirm if it works. Some models are not compatible with downloading the App.
- Please note that communication fee to download the App shall be borne by the customer.
- Be sure to take a backup data before use as we will not be responsible for the data lost or damaged while using the product.
- For instructions and precautions on how to operate each tablet device, please use in accordance with the instruction manual of your tablet device.
- In case of default setting, after a certain period of time the App goes into sleep mode. Unlock the screen of the tablet device for use.

OS corresponding to the App ■iOS version 8.0 and later ■Android OS version 5.0 and later
Bluetooth audio receivers confirmed for operation ■iOS 8.4.1 iPhone5c ■iOS 9.3.2 iPhone6.0
■iOS 10.2.1 iPad mini 4 ■Android 5.1.1 Nexus 10 ■Android 6.0 Galaxy Tab S8.4 ■Android7.0 XPERIA
SO-03G ■Android7.1 Nexus 9 Please note : Depending on the models, the App may not be compatible.
*The information above current as of July, 2017.

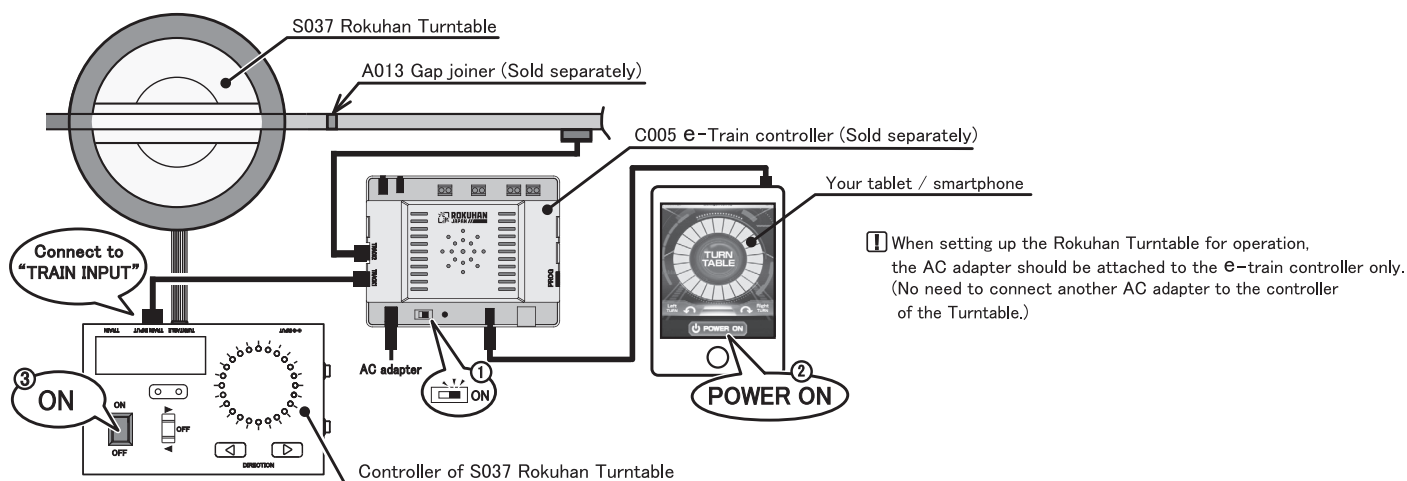
How to connect S037 and C005, and how to operate both devices

Rokuhan E-Train controller (C005)(sold separately) can be connected with Rokuhan Turntable (S037) without any extra attachments.

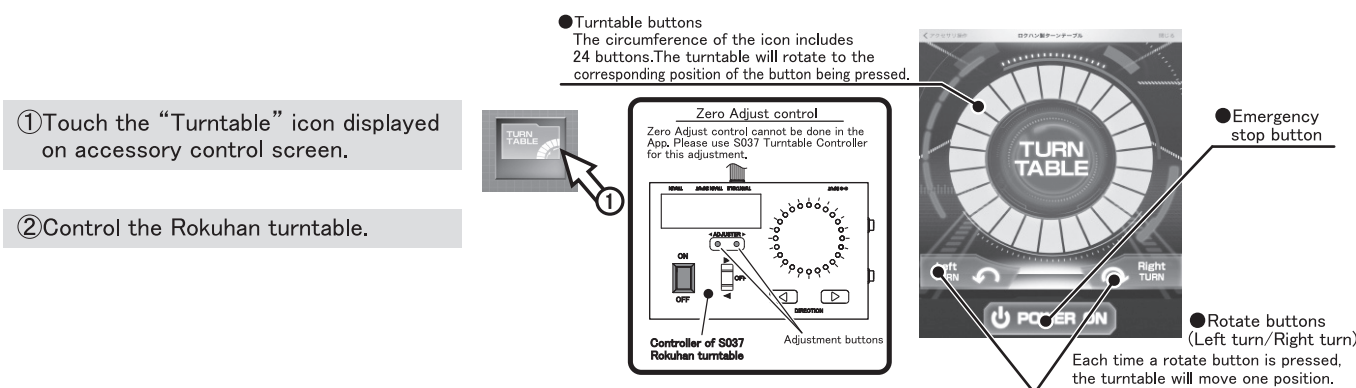
In addition, programming of Rokuhan turntable is not necessary because the address has been fixed as #200 as factory default.

Please note that you cannot edit or delete the Rokuhan Turntable in the App.

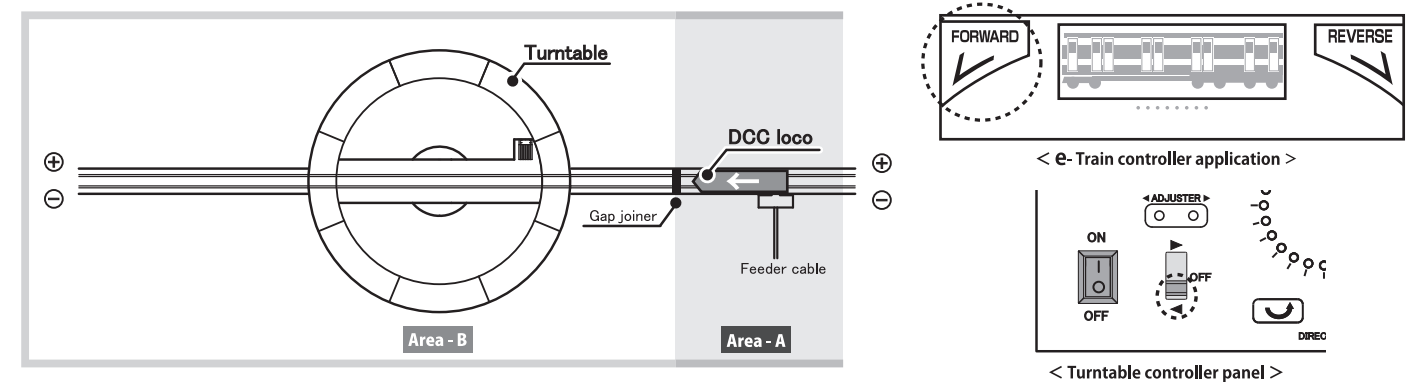
【Step1】 How to connect Rokuhan Turntable (S037) and Rokuhan E-Train controller (C005)



【Step2】 Operate Rokuhan Turntable (S037) by Rokuhan E-Train controller (C005) (Outline)

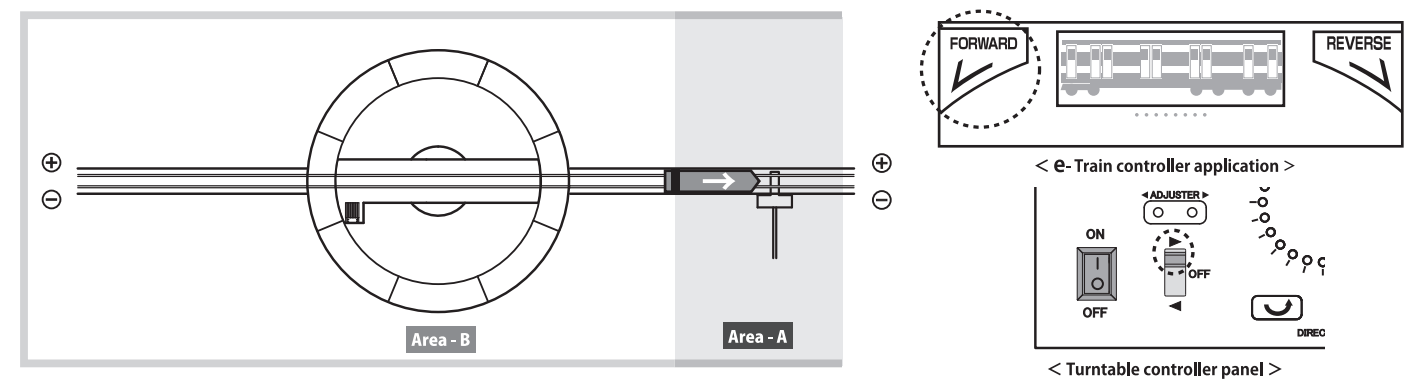


【Step 3】 Operate Rokuhan Turntable (S037) by Rokuhan E-Train controller (C005) (Case study)

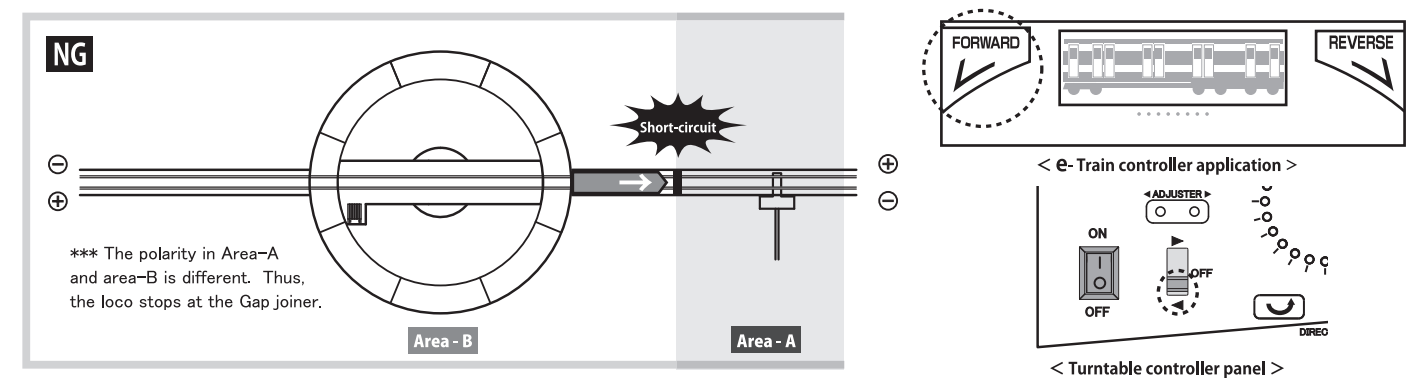


- ① AC current is provided on the tracks in DCC circumstances. This AC current is rectified into DC current by the decoder circuit and finally provided to the motor together with running command by E-Train controller. Thus, the tracks look like having DC polarity. When DCC loco goes through from Area-A to Area-B, both areas should have same polarity. To make it same, shift the direction switch on Turntable controller to lower (shift down to marking ◀).

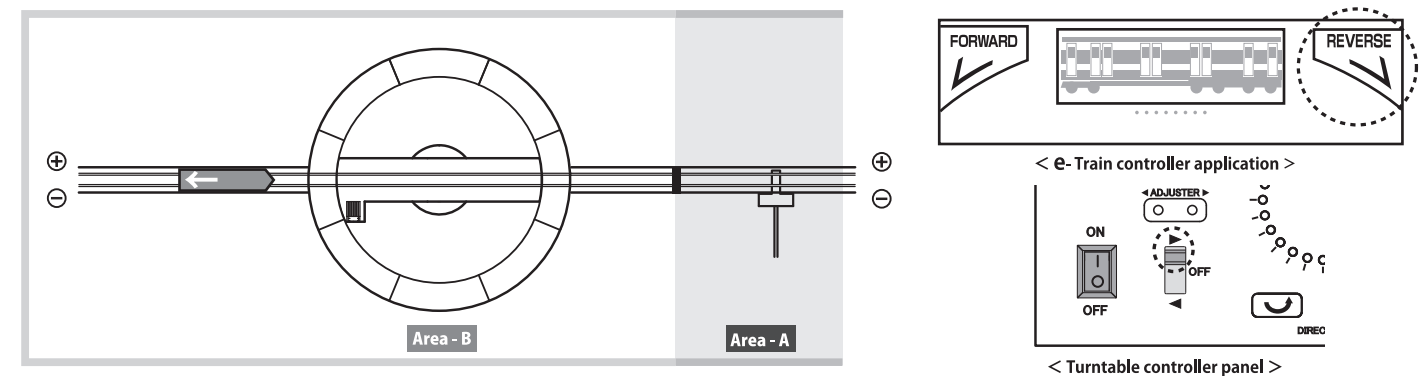
*** The markings ⊕ and ⊖ used in the illustration are NOT correct in AC circumstances. They are just used to understand easily ***



- ② When the DCC loco has succeeded to run through the Gap joiner and turns by 180 degree on the Turntable, the polarity of Area-B becomes opposite of Area-A. In this condition, the loco can not run through Gap joiner from Area-B to Area-A. To improve situation, shift the direction switch on Turntable controller to upper (shift up to marking ▶). For E-rain controller, just touch <Forward> icon to operate.



- NG If the loco is operated by E-Train controller to run through the Gap joiner from Area-B to Area-A without shifting the direction switch upper after turning by 180 degree, there will be the short circuit at the Gap joiner and the loco will stop.



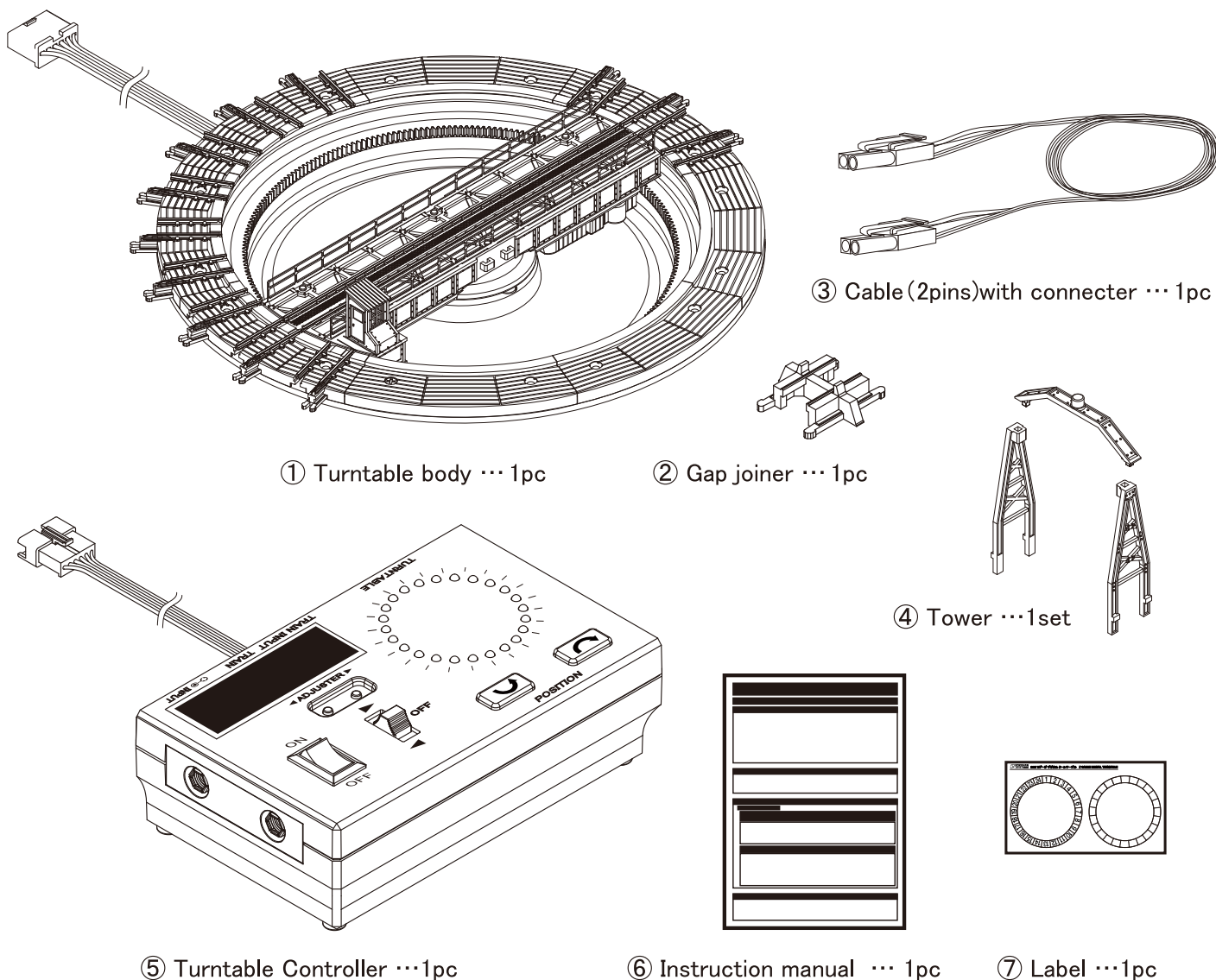
- ③ When the loco goes backward in the Area-B after turning by 180 degree, it's also necessary to shift the direction switch upper (shift down to marking ▶) and then touch <Reverse> icon to go backward on E-Train controller.

Thank you for purchasing this Rokuhan product.
Please read this instruction manual carefully before operation, and operate properly.

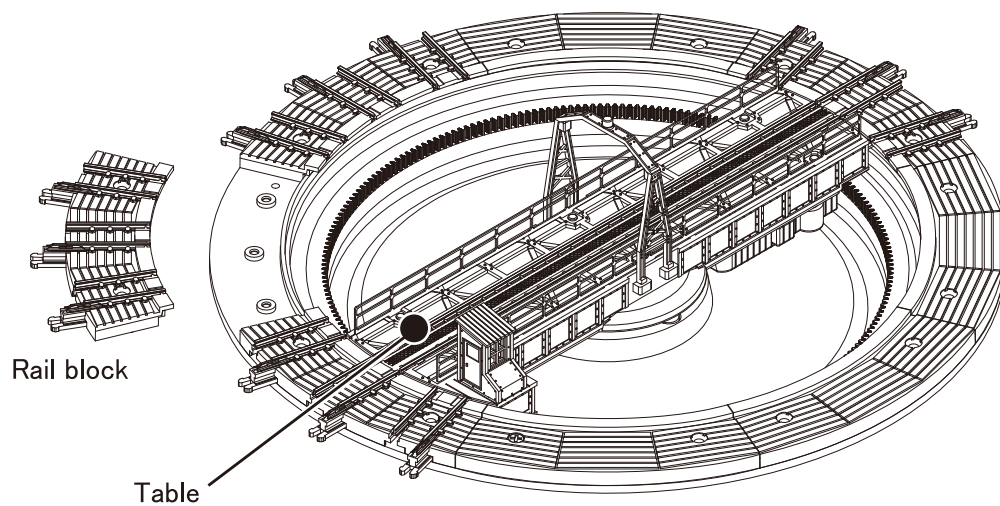
1. Caution

- Turn off the power when the train derails. Turn-off the power and disconnect AC adapter or remove batteries if you see smoke or feel heat coming from this unit or trains.
- Use only Rokuhan AC adapter and Rokuhan products to operate this product.
- Do not use A010 AC cable to feed power.
- Disassembling and modification could cause failure of this product.
- Handle the cord with care to avoid disconnection or short circuit.
- To avoid short circuit, do not put any metallic product across the rails.
- This product includes sharp parts. Handle with care.
- Choking hazard. Keep out of reach of small children under 3 years old.
- Do not use product in a wet location to avoid shock or electrocution.
- To avoid shock or electrocution, do not operate this product in a wet location, or operate with wet hands.
- This product is not recommended for use by children under 8 years unless supervised by an adult.
- Do not leave this product running continuously for a long time.
- Do not screw too much when change location of the Rail blocks.
- Remove dirt and dust between table and gears of this product to avoid malfunction
- Do not turn turntable manually by hand.

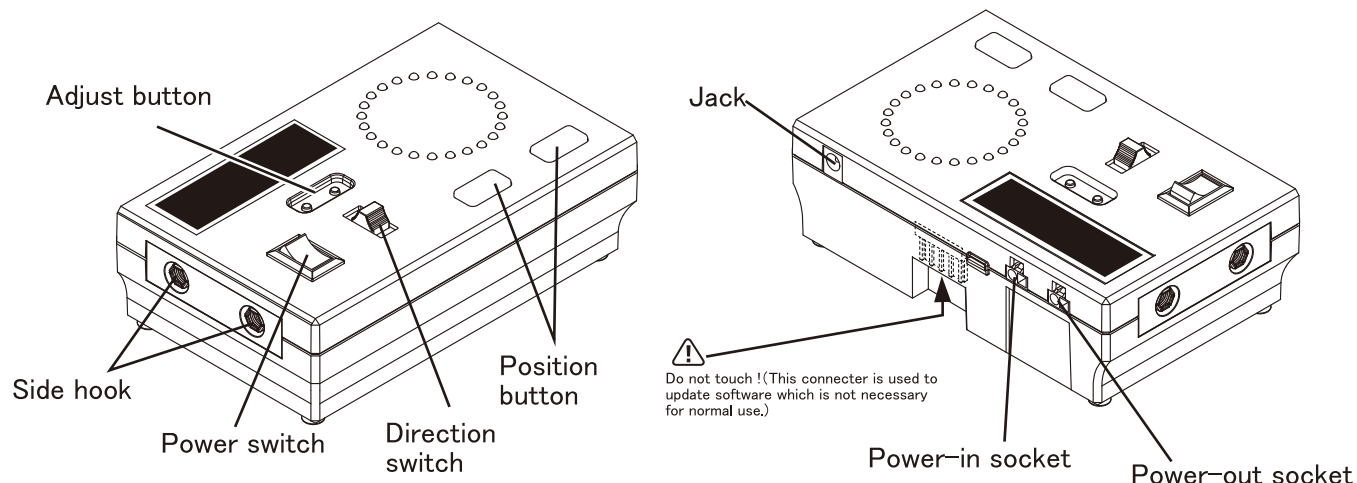
2. Contents



3. Part name

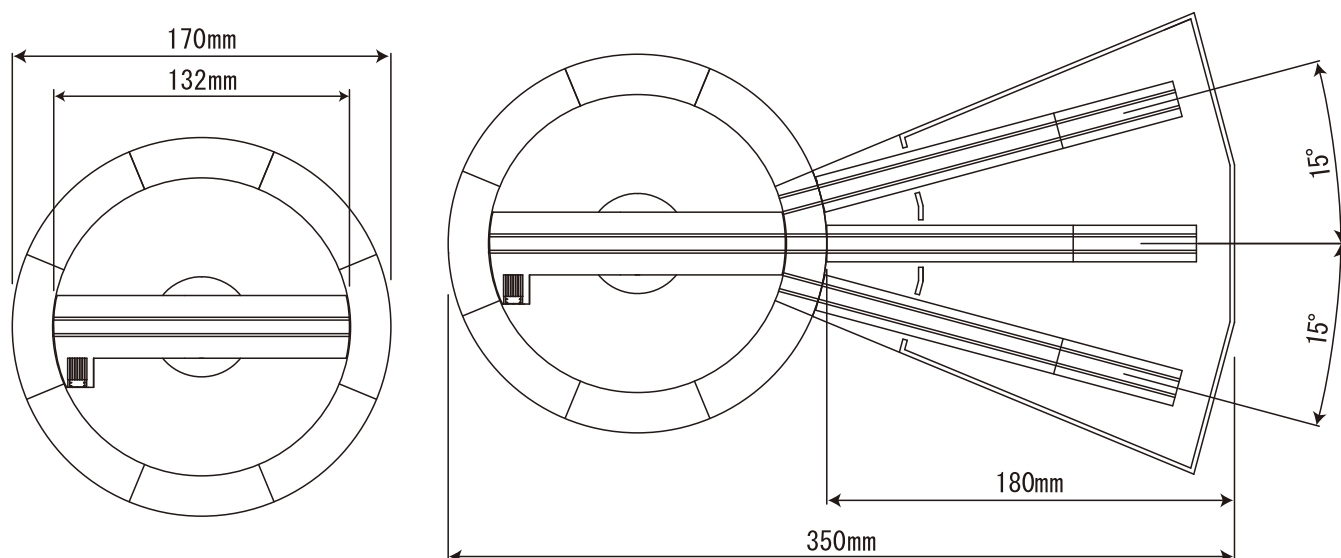


< Main body >



< Controller >

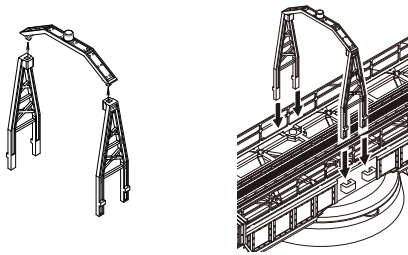
4. Dimension



Rokuhan straight track R001 (110mm) and R024 (55mm) (sold separately) could be used to connect Rokuhan Round house S038 (sold separately).

5. Assembly and connection

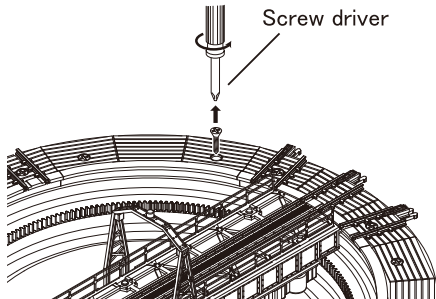
● Tower assembly



Take care not to damage this part which is delicate and easy to be bent.

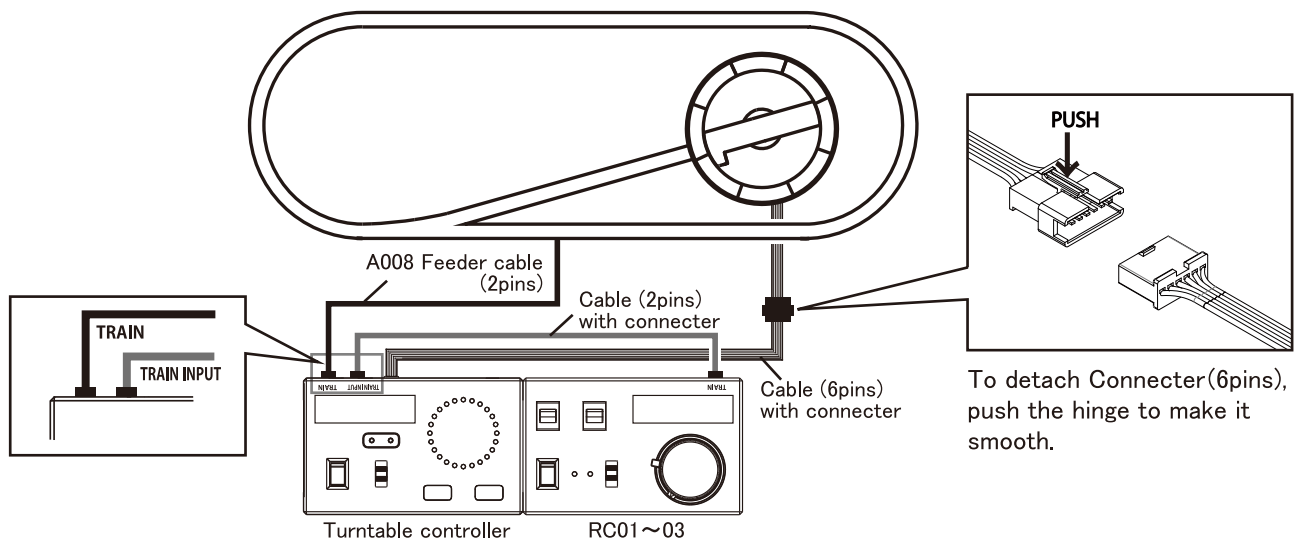
The tower is assembled onto turning table (see left image). Do not glue so that it can be disassembled.

● Rail block assembly



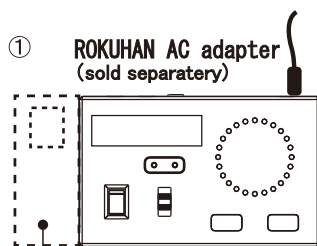
When tightening screw do not over tighten. (see left image).

● Wiring Here is standard wiring.



● Power source

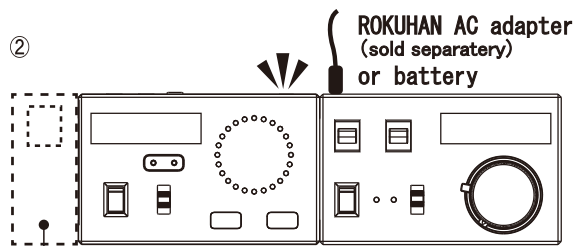
Turntable controller has 2way power source. ① One is powered by AC adapter, and ② the other is powered by Rokuhan train controller through side hook.



C002 Turnout switch,
C004 Accessory switch, etc.

Turntable controller only

When Turntable controller is operated alone, Rokuhan AC adapter (sold separately) is necessary.



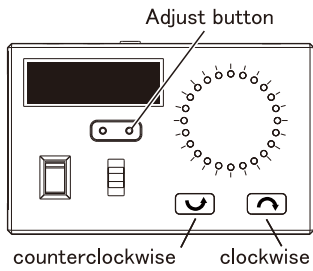
C002 Turnout switch,
C004 Accessory switch, etc.

Turntable controller + ROKUHAN train controller (RC01~RC03)

When Turntable controller and Rokuhan train controller are connected by side hook, DC power comes from Rokuhan train controller through the side hook. Thus, no need Rokuhan AC adapter for Turntable controller.

In both cases, additional accessory such as, C002 Turnout switch, C004 Accessory switch, etc. can be connected.

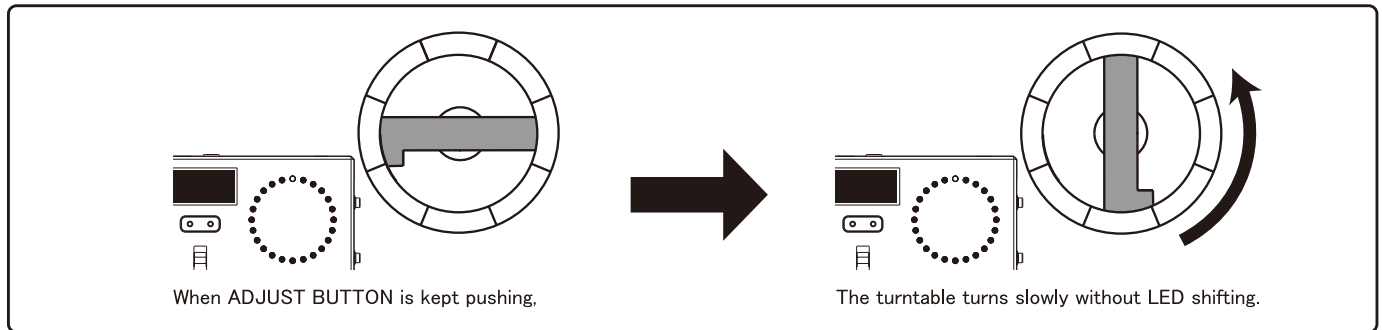
6. Turning direction



Push right hand button, then the table will turn clockwise.
Push left hand button, then the table will turn counterclockwise.
When push each button one time, it turns by 15 degree.
When push both buttons at a time, it turns clockwise by 180 degree.

Push the adjust button, left or right, then the table turns a little.
This button is used when there is deviation of tracks after normal function.

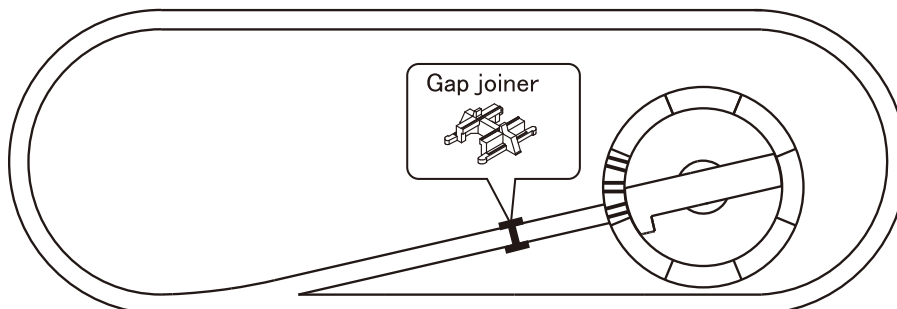
Position button



7. Gap joiner and Electrical mechanism

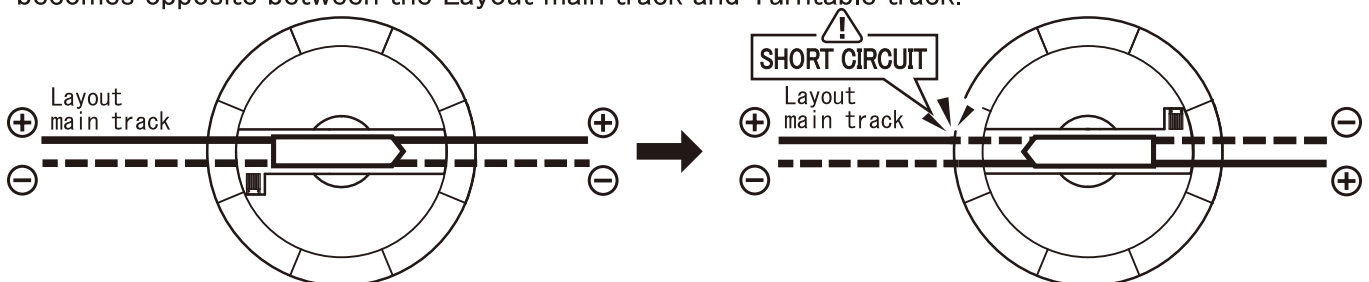
● Gap joiner

When Turntable is connected to the Layout main track, make sure to insert Gap joiner between Turn table and Layout main track.

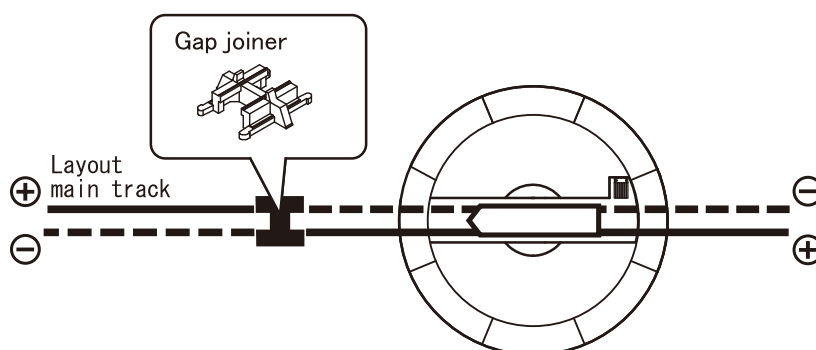


● Electrical mechanism

When the train comes into Turntable and turn 180 degree, the electric polarity of track becomes opposite between the Layout main track and Turntable track.



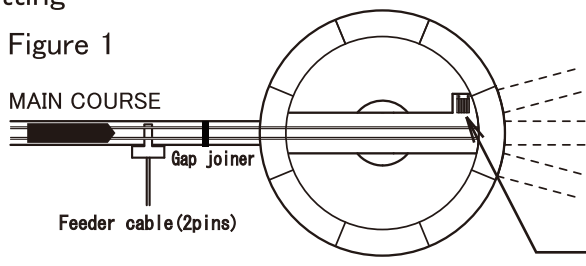
To avoid short circuit, gap joiner is necessary.



8. How to operate

● Setting

Figure 1



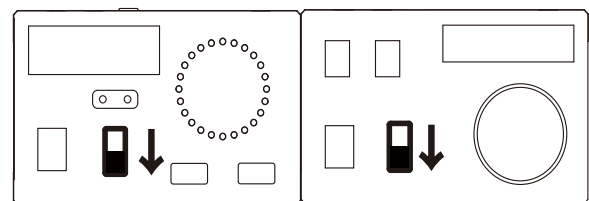
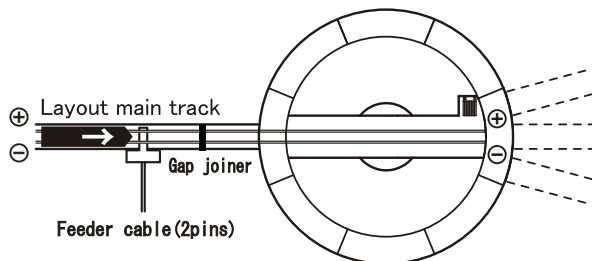
Please set Turntable and Layout main track as figure 1 shows. Insert direction of Feeder cable (A008 sold separately) and the location of Operating house are the keys in this case.

● Turn the car on the turntable

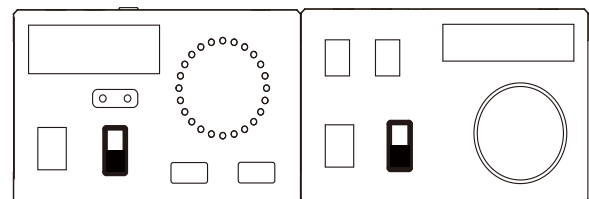
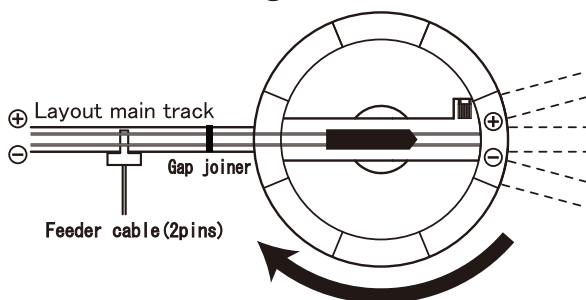
The train comes into Turntable when the direction switch of Turntable controller and Rokuhan train controller are same direction.

When the location of operating house is at opposite side to original setting (figure 1), the train will stop when it runs across the Gap joiner.

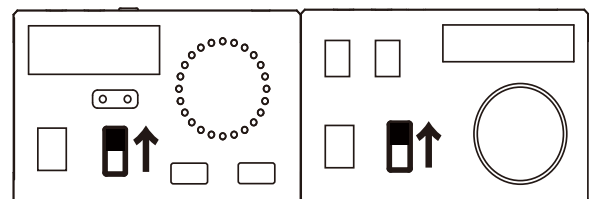
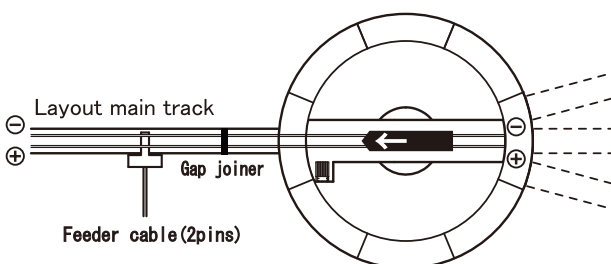
Then shift up the direction switch on the Turntable controller.



● Turn the table 180degree



● When turning is over, shift direction switches opposite on both controllers. Then run the train out of Turntable.

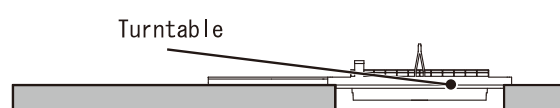
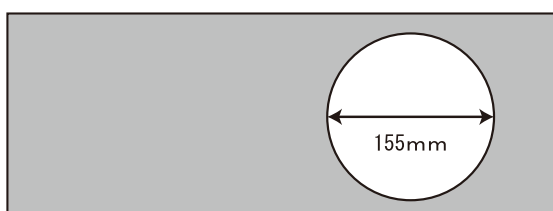


* When feeding direction is opposite, switch location shall be also opposite.

9. How to place turntable in your diorama (layout)

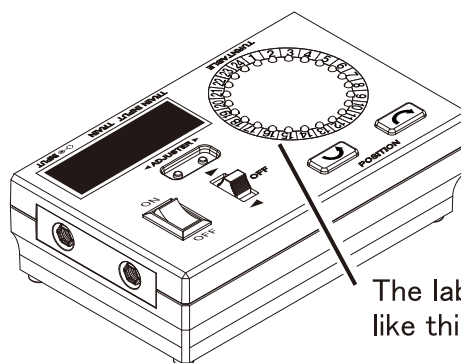
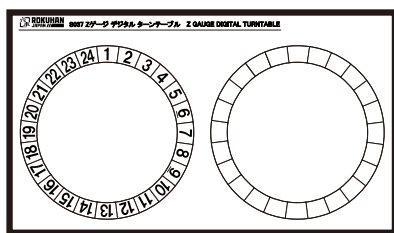
The bottom of turntable body will sink down into your diorama (layout).

We recommend to build such hole on your board (see left image) in this case. Then there is no step between turntable and round house (S038) & others (sold separately).



10. How to use label

- The label simulates the clock dial. You may put like this if you like (see image).



The label can be put like this if you like.

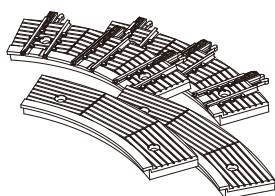
11. Connection with DCC device and its operation

This subject shall be handled by upper users.

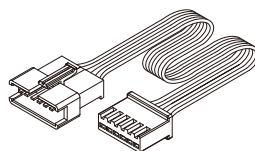
- This product can be connected with DCC devices.
- The decoding address assigned to this Turntable is fixed as "200" which is not changeable.
- Turnout function button on DCC controller will be assigned to this job.
- Even when <DCC reverse loop module> is used, there is some chance to have short circuit if its tuning dial is not at suitable position. Rokuhan train controller recognizes it and stops running train. Turntable controller also recognizes it and stops turning turntable. To resume normal function, please read the instruction manual of DCC reverse loop module and adjust tuning properly.

* We do not guarantee to connect this Turntable with all DCC devices.

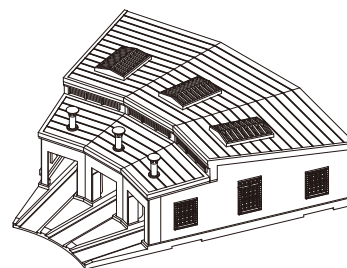
12. Related Rokuhan products



A035 Turntable rail block



A036 Turntable extension cable



S038 Round house

13. Trouble shooting

- The short-circuit happens and train stops when it across the Gap joiner
⇒Power-off first, then adjust the condition based on "8.How to operate" and power-on again.
- Train is derailed due to deviation of tracks.
⇒Push Adjust button and modify deviation of each track.
- Turntable does not turn due to hitting with rail block.
⇒Check rail block condition to set it at proper location, then re-start operation.

14. Trouble and repair

- The user is responsible for any trouble, accident, or injury caused by misuse, disassembling, or modification of this product. Rokuhan will not repair a product which has been opened, taken apart, or modified.
- Specification and appearance of our products are subject to change without prior notice.
- We sell assembled product only.
- Contact Rokuhan customer service if you have any questions about this product.



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