

Thank you for purchasing this Rokuhan product. Please read this instruction manual carefully before use.

CAUTION

- Turn off the power if 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.
- Turn off the power and disconnect AC adapter or remove batteries when not in use.
- Do not connect any products not recommended by Rokuhan to avoid any problems.
- Do not use A010 AC cable to feed power.
- Do not mix old batteries with new batteries or different brands or types of batteries together.
- Disassembling and modification could cause failure of this device.
- 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 this product in a wet location to avoid shock or electrocution.
- Store in dry dust free location to avoid failure of your unit.
- This product is not recommended for use by children under 8 years old unless supervised by an adult.

Rated power

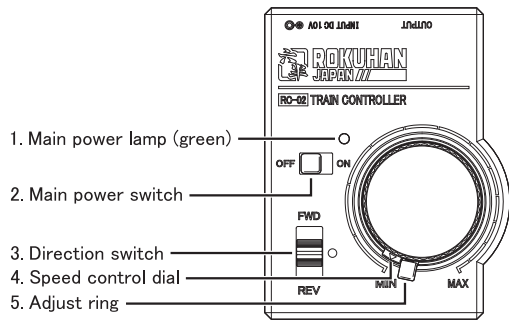
Output current for each connector
(The maximum rate for single use)
INPUT : AC 100/110V 50/60Hz 16VA
OUTPUT : DC 10V 800mA

CAUTION

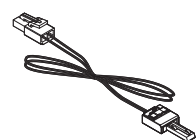
* Do not use at more than rated power to avoid overheating.

1. Parts list

• Train controller RC-02 1 pc



• Feeder cable 1 pc



• Instruction manual 1pc



2. Set controller

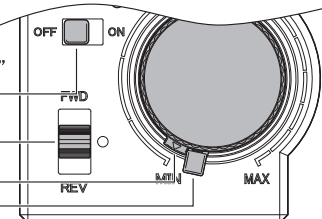
2-1. Precaution for wiring

Before wiring, set the controller as following picture.
* Set it as well when not in use.

CAUTION

* Trains may run right after wiring if the switches are not set as shown in the picture.

- Main power switch "OFF"
- Direction switch "O"
- Speed control dial "MIN"
- Adjust ring

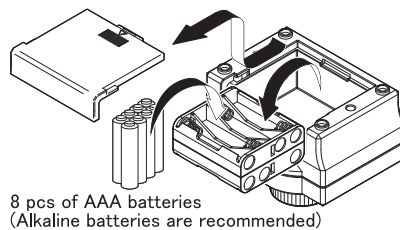


2-2. Power for controller

Power is supplied by either batteries or AC adapter. (* Batteries and AC adapter are sold separately.)

- How to install batteries (Alkaline batteries are recommended)
- * Disconnect AC adapter before setting.

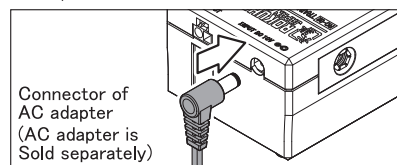
1. Push and slide the bottom cover. Take out the battery box.
- * Handle the cables between the battery box and the controller with care to avoid disconnecting.
2. Install 8 pcs of AAA batteries with correct orientation.
3. After installing the batteries, put battery box into the body and close the bottom cover tightly until you hear it snap.
- * Remove batteries after use.
- * Inverse process when not in use.



8 pcs of AAA batteries
(Alkaline batteries are recommended)

- How to use AC adapter (Use AC adapter made by Rokuhan.)

1. Connect AC adapter to the socket for AC adapter of the controller.
2. Plug in AC adapter.
- * If batteries are installed in controller, controller will automatically choose AC adapter as power source if connected.
- * Unplug the AC adapter after use.
- * Inverse process when not in use.

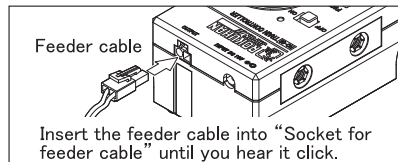


Connector of AC adapter
(AC adapter is Sold separately)

2-3. Feed power

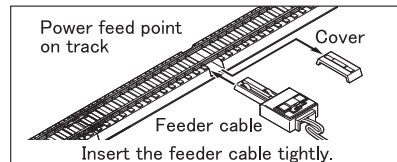
Connect the feeder cable according to the following picture.

- Controller



Insert the feeder cable into "Socket for feeder cable" until you hear it click.

- Track



Power feed point on track
Feeder cable
Insert the feeder cable tightly.

* If the length of feeder cable is not long enough, please purchase A003 Extension cable for feeder cable.

3. Preparation for operation

3-1. Turn on the main power

1. Set the speed control dial to "MIN" .
2. Set a train on track.
3. Check cables are wired correctly and turn on the main power switch.
4. Check the main power lamp is lit.

3-2. Direction switch

Set the direction switch "FWD" to run trains forward and "REV" for reverse. Forward and reverse depends on which direction trains are heading. Trains will not run if the direction switch is set to "O" .

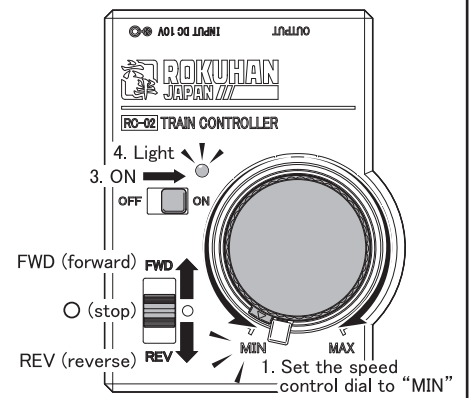
- * Set speed control dial "MIN" before moving the direction switch.

3-3. Speed control dial

Turn speed control dial to right to increase speed. Turn speed control dial to left to slow down. Set "MIN" to stop.

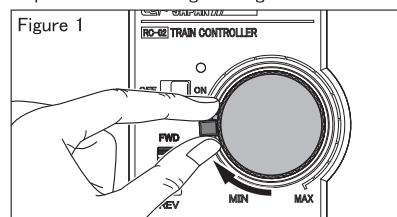
* Safety device

- Circuit breaker automatically trips power when a short circuit or overload condition is detected. When the circuit breaker turns off the main switch, set the direction switch "O" , and speed control dial "MIN" . Eliminate the cause of problem and turn on the main switch again. (Only for track power)
- Also another circuit breaker for side sockets output will reset automatically for safety.
- * Eliminate the cause of the trouble to resume.

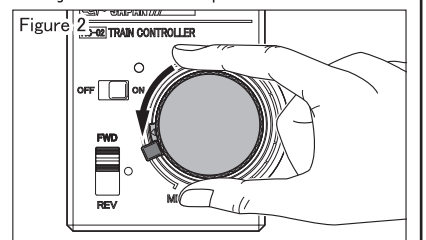


4. Preparation for operating trains with constant lighting system

1. After "3-1. Turn on the main power" and "3-2. Direction switch" , set the direction switch to the direction you would like to run a train ahead.
2. Turn the speed control dial and adjust ring[1] together and run the train. (Figure 1)
Turn the speed control dial to left gradually and stop it at the position where the train stops and the light are still on. (Figure 2)
- * The position for starting running is different for each train. Adjust before each operation.



* Do not turn the adjust ring too much.



[1] Adjust ring is to adjust the speed control dial to keep lighting on for trains when the trains are stopped. Set the direction switch "O" and main power switch "OFF" to turn off the lighting.

* PAT.P

5. Trouble shooting

Check followings before ordering repair.

| Problem | Cause | Correction |
|--------------------|--|--|
| Trains do not run. | The circuit breaker has tripped in the controller. | Turn off the main power switch, set direction switch "O" and speed control dial "MIN" . Then eliminate the cause of trouble and turn on the main power again. |
| | Direction switch is "O" . | Set the direction switch "FWD" or "REV" . |
| | The main power switch is "OFF" . | Turn the main power switch on. |
| | Feeder cable is not connected to the socket for feeder cable and the power feed point. | Turn off the main power switch, set direction switch "O" and speed control dial "MIN" . Then connect the feeder cable to the socket for feeder cable and the power feed point. |
| | A train derails. | Set the train properly on track using rerailer. |

| Problem | Cause | Correction |
|--|---|--|
| Trains do not run (Battery use) | Batteries are not installed. | Install batteries. (Alkaline batteries are recommended.) |
| | The orientation of the batteries is incorrect. | Install batteries correctly. |
| | Batteries are dead. | Replace batteries with new batteries. |
| Trains do not run (AC adapter use) | AC adapter is not connected to the socket for AC adapter or not plugged in. | Turn off the main power switch, set direction switch "O" and speed control dial "MIN" . Then connect to the socket for AC adapter and plug in again. |
| A train does not run smoothly, and lights flicker. | The wheels of the train or the track are dirty. | Remove the dirt on the wheels and track with a clean cloth and rail cleaner. |

6. Trouble and repair

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