

# R/C Throttle #35008

## Instructions

### Technical data:

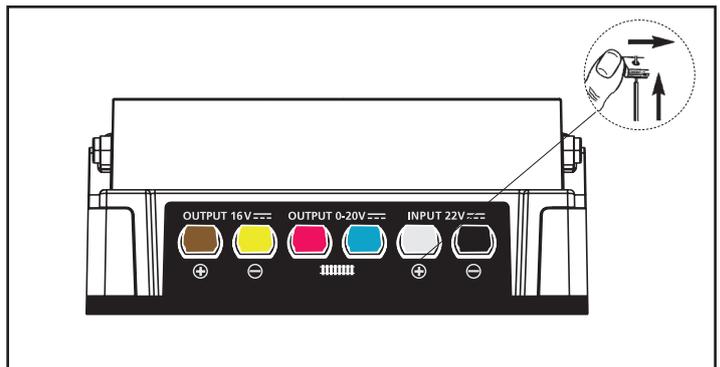
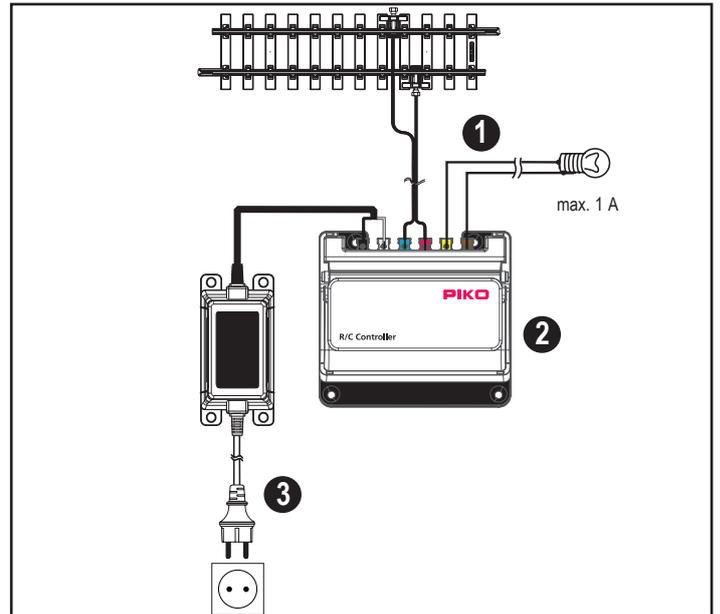
Number of channels: 8  
 Speed steps: 14 (7-16 V) 28 (16-24 V)  
 Frequency range: 2.4 GHz  
 Range approx.: 30 m  
 Power supply: 16-24 V DC  
 Max. current: 4 A  
 Weight approx.: 150 g

### Important information for commissioning:

Connect the speed controller carefully according to the connection diagram. Do not start to play until you have connected all the necessary cables. If cables of different functions are short-circuited during connection, the speed control will be damaged and the loss of any warranty. The connection for the current input (INPUT) must be according to the correct polarity. Please pay attention to it when connecting.

#### 1. Connection:

Connect the power supply \*, the track connection clip \* and any accessories to the rear terminal of the RC controller. Connect the track connector clip to the track of your layout. If all connections are made properly, connect finally the power supply to the mains.



#### 2. Channel selection / synchronization:

So that the receiver can receive the signals of the transmitter \*, he must with the be tied to the appropriate transmitter. This is done by a simple channel selection via a DIP rotary switch. By default, the transmitter and receiver are set to channel 0.

#### Speed controller (receiver):

1. Lift up the transparent cover on the RC throttle
  2. Pull off the bezel.
  3. You now have access to the DIP rotary switch.
  4. The set channel is indicated by the arrow direction.
  5. You can adjust the channel by turning it with a small, flat screwdriver.
- Transmitter and receiver must be synchronized to each other through the same channels.

#### Pocket remote (transmitter) (required separately # 35041):

1. Remove the small cover on the back of the transmitter.
2. You now have access to the DIP rotary switch.
3. The set channel is indicated by the arrow direction.
4. Turn the knob with a small, flat screwdriver to adjust the channel.



### 3. Operation with the R/C speed controller 35008

The operation is simple. By pressing the buttons on the remote control, you can select the direction of motion, speed level and, depending on the range of functions, switch the accessory output and trigger an emergency stop.

1 x  = Forward driving direction, speed level 1

2 x  = Forward driving direction, speed level 2

If you are already driving forwards with the locomotive, you can use the button  to increase the speed (speed levels). By pressing , you can decrease the speed.

1x  = Reverse driving direction, speed level 1

2x  = Reverse driving direction, speed level 2

If you are already reversing with the locomotive, you can use the button  to increase the speed (speed steps). Press the button  to reduce the speed.

You can press the buttons briefly, which only changes one speed step at a time, or you can keep the buttons pressed, which causes the speed to change continuously.

 = Accessories on/off

(Permanent output at R/C speed controller 35008)

 = Emergency stop

vorwärts - ansteigend  
(rückwärts - absteigend)  
forwards - step up  
(reverse - step down)

rückwärts - ansteigend  
(vorwärts - absteigend)  
reverse - step up  
(forwards - step down)

Funktion 1  
Function 1  
Zubehör an / aus\*  
Accessory on / off\*

Funktion 2  
Function 2  
Not-Stopp  
Emergency stop



\*Der Permanentausgang am R/C Fahrgelager wird damit geschaltet  
the permanent voltage output on the R/C controller will switch

#### Note on driving:

The starting behavior (low speed steps) depends on the condition and structure of the locomotive. It may be that the arrow keys have to be pressed several times before the locomotive starts to drive. Locomotives with built-in decoders generally only start at higher speed steps.

### 4. General information

Thank you for purchasing the PIKO R/C system for radio operation. of garden railway models. Please read these operating instructions carefully in order to be able to use all the functions of this device. It is essential that you observe the following safety and warning instructions to ensure trouble-free and safe operation of your model.

#### 4.1 Important Safety Precautions:

- Please retain these instructions as they include important information. Retain the product packaging for proper storage and transportation.
- The Power Supply and Throttle are not toys and are not intended for use by children under 14 years of age. These items are exclusively intended for operating model train systems and accessories. These products may contain substances known to the state of California to cause cancer, birth defects or other reproductive harm.
- Only connect the Power Supply to a 120 Volt grounded electrical outlet.
- Unplug the Power Supply from the outlet before connecting electrical devices. Danger of short circuit and/or electrical shock.
- Never connect an electrical device to two or more Power Supplies!
- Unplug the Power Supply from the outlet and disconnect all electrical devices from the Power Supply before attempting any cleaning. Clean only with a soft cloth, dampened with water if necessary. Do not use chemicals or excessive water.
- Never touch the exposed metal ends of the output wires when the Power Supply is plugged in.
- Never insert the Power Supply's output wires into an electrical outlet.
- Mount the Power Supply in a stable, dry, well-ventilated location.
- Never make any holes or attempt to insert anything into the Power Supply's housing.
- Inspect the power plug and the housing of the Power Supply at regular intervals for signs of damage. Should damage be detected, do not use any of these components until they have been properly repaired or replaced.
- In case service is needed, return the Power Supply to PIKO America. Do not attempt to open the Power Supply. This voids the warranty.
- Do not dispose of this product in the trash. Do not incinerate. Follow proper disposal and recycling procedures as required by local jurisdiction.
- The purchaser and operator are responsible for the safe connection, inspection and use of the Power Supply, Throttle and related devices! Inform children and guest operators of proper procedures.

#### 4.2 Safety & warning information

The remote control system has been designed and approved exclusively for the control of RC models. The construction and operation of such models requires special knowledge, technical care, technical understanding and careful, safety-conscious behavior. Errors during assembly or operation can cause considerable damage to property and personal injury. As manufacturers and sellers, we are unable to monitor the operation of our products. Therefore we do not assume any liability. Technical defects of an electrical or mechanical nature can lead to the unexpected starting of a motor, which can seriously injure not only you! Even an operation of the receiver system without activated transmitter can lead to this effect. Protect your remote control system from dust, dirt and moisture. Do not expose the devices to excessive heat, cold or vibration. The remote control operation may only be carried out in the specified temperature range from -15°C to +55°C. Always check your remote control for damage to housings, cables and connections.

