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- › [Piko](#) /
- › [Piko 35010 Digital Control Center \(20V/5A\) Instruction Manual](#)

Piko 35010

Piko 35010 Digital Control Center (20V/5A) Instruction Manual

Model: 35010

1. INTRODUCTION

Thank you for choosing the Piko 35010 Digital Control Center. This unit is designed to provide precise digital control for your G scale model railway layout, offering advanced functionality for operating locomotives and accessories. Please read this manual thoroughly before initial use to ensure safe and optimal performance of your control center.



Image 1: The Piko 35010 Digital Control Center. This image shows the main unit, featuring a central display, control knobs, and various buttons for managing model railway operations.

2. SAFETY INFORMATION

To prevent injury or damage to the product, always observe the following safety precautions:

- **Age Recommendation:** This product is recommended for users 14 years and older. It is not a toy and contains small parts and electrical components.
- **Electrical Safety:**
 - Only use the power supply provided or recommended by Piko.
 - Do not expose the unit to water or excessive moisture.
 - Ensure the unit is placed on a stable, dry surface.
 - Disconnect power before making any connections or performing maintenance.
 - Never open the casing of the control center. Refer servicing to qualified personnel.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating.
- **Handling:** Handle the unit with care. Avoid dropping or subjecting it to strong impacts.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged. The Piko 35010 Digital

Control Center package typically includes:

- Piko 35010 Digital Control Center Unit (1 piece)
- Power Supply Unit (specific to region)
- Connection Cables for track and accessories
- Instruction Manual (this document)

Note: The exact contents may vary slightly depending on the specific product set or region.

4. SETUP

Follow these steps to set up your Piko 35010 Digital Control Center:

1. **Placement:** Choose a stable, dry, and well-ventilated location for the control center, away from direct sunlight or heat sources.
2. **Connect to Track:** Connect the track output terminals of the Piko 35010 to your G scale model railway track. Ensure correct polarity if specified by your track system. Refer to your track system's manual for specific connection points.
3. **Connect Power Supply:** Plug the power supply unit into the designated power input port on the control center. Then, plug the power supply into a suitable electrical outlet.
4. **Initial Power On:** Once all connections are secure, switch on the main power to the control center. The display should illuminate, indicating the unit is ready for operation.
5. **Address Configuration:** If necessary, configure the digital addresses for your locomotives and accessories according to the instructions provided with those items. The Piko 35010 supports standard DCC protocols.

5. OPERATING INSTRUCTIONS

The Piko 35010 Digital Control Center provides intuitive control over your digital model railway.

5.1 Basic Locomotive Control

- **Select Locomotive:** Use the locomotive selection buttons or dial to choose the desired locomotive by its digital address. The selected address will typically appear on the display.
- **Control Speed:** Use the main control knob to adjust the speed of the selected locomotive. Turning it clockwise increases speed, counter-clockwise decreases speed.
- **Change Direction:** Press the direction button to toggle the locomotive's direction of travel (forward/reverse).
- **Function Buttons:** Use the function buttons (F0-Fxx) to activate various locomotive functions such as lights, sound, or smoke generators, depending on the locomotive's capabilities.

5.2 Accessory Control

The control center can also manage digitally controlled accessories like turnouts (points) and signals.

- **Select Accessory:** Access the accessory control mode and select the desired accessory by its digital address.
- **Activate Function:** Use the appropriate buttons to switch turnouts or change signal aspects.

5.3 Emergency Stop

In case of an emergency, press the designated "STOP" button to immediately cut power to the track and halt all operations.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your Piko 35010 Digital Control Center.

- **Cleaning:**
 - Ensure the unit is powered off and disconnected from the mains before cleaning.
 - Wipe the exterior surfaces with a soft, dry, lint-free cloth.
 - Do not use abrasive cleaners, solvents, or chemical sprays.
- **Storage:** When not in use for extended periods, store the control center in a dry, dust-free environment, away from extreme temperatures.
- **Inspection:** Periodically inspect cables and connections for any signs of wear or damage. Replace damaged components immediately.

7. TROUBLESHOOTING

If you encounter issues with your Piko 35010, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Control Center does not power on.	No power from outlet; power supply not connected; faulty power supply.	Check wall outlet with another device; ensure power supply is securely connected to both the unit and the outlet; test with a known working power supply if available.
Locomotive does not respond.	Incorrect locomotive address selected; poor track contact; short circuit on track; locomotive not DCC-enabled.	Verify the correct digital address is selected; clean track and locomotive wheels; check for short circuits (e.g., metal objects on track); ensure locomotive is equipped with a DCC decoder.
Display is blank or flickering.	Loose connection; power fluctuation; internal fault.	Check all power connections; try plugging into a different outlet; if problem persists, contact Piko support.

If you cannot resolve the issue using the information above, please contact Piko customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	35010
Output Voltage	20 V
Output Current	5 A
Product Dimensions (L x W x H)	23.88 x 21.08 x 13.21 cm (9.4 x 8.3 x 5.2 inches)
Product Weight	938.94 grams (2.07 lbs)
Recommended Age	14 years and up
Educational Value	Calculation and spatial perception
Number of Pieces	1
Track Gauge	G

Feature	Detail
Batteries Required/Included	No

9. WARRANTY AND SUPPORT

Piko products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Piko website.

For technical support, spare parts, or further assistance, please contact Piko customer service directly. Contact details can typically be found on the Piko website or on the product packaging.

Piko Official Website: www.piko.de (Please check for your regional website for specific contact information.)