Piko 35015

Piko 35015 G Scale Digital Booster 22V / 5A Instruction Manual

1. Introduction

This manual provides essential information for the safe and effective operation of your Piko 35015 G Scale Digital Booster. This device is designed to supply additional power to your G scale digital model railway layout, ensuring reliable operation of multiple locomotives and accessories.
Please read this manual thoroughly before initial use and retain it for future reference.

2. Safety Instructions

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

- This product is recommended for users aged 14 years and up. It is not a toy.
- Always disconnect the booster from the power supply before making any connections or disconnections.
- Ensure the booster is placed on a stable, dry surface, away from moisture and direct heat sources.
- Do not open the booster casing. There are no user-serviceable parts inside. Opening the casing will void the warranty.
- Use only the specified power supply (22V DC, 5A) for this booster. Using an incorrect power supply can cause damage or fire.
- Avoid short circuits on the track or output terminals.
- If the booster shows signs of damage or malfunction, discontinue use immediately and contact customer support.

3. Package Contents

Upon opening the package, please verify that all components are present and undamaged:

- Piko 35015 G Scale Digital Booster unit
- Instruction Manual (this document)
- *(Note: Power supply unit and connection cables are typically sold separately or included with a starter set, and are not part of the booster package unless specified by the retailer.)*

Image 1: The Piko 35015 G Scale Digital Booster. This image shows the compact, silver-grey booster unit with a clear protective cover. The Piko logo is visible in red, along with "Booster" text. There are red and green indicator lights on the top panel, and mounting holes on the black base.

4. Setup

Follow these steps to correctly set up your Piko 35015 Digital Booster:

1. **Placement:** Choose a dry, stable location for the booster, ensuring adequate ventilation.
2. **Power Supply Connection:** Connect a suitable 22V DC, 5A power supply (not included) to the booster's power input terminals. Ensure correct polarity if terminals are marked.
3. **Digital Central Unit Connection:** Connect the booster to your digital central unit (e.g., Piko SmartControl, DCC central station) using the appropriate data bus cables. Refer to your central unit's manual for specific connection points (often labeled "Booster Out" or similar).
4. **Track Connection:** Connect the booster's track output terminals to the section of your G scale track that requires additional power. Ensure these track sections are electrically isolated from sections powered by other boosters or the central unit directly.
5. **Initial Power-Up:** Once all connections are secure, plug in the power supply for the booster. Observe the indicator lights on the booster. A green light typically indicates normal operation, while a red light may signal an error or short circuit.

Important: *Always ensure that the total current draw of locomotives and accessories on the booster-powered track section does not exceed the booster's 5A capacity.*

5. Operating

The Piko 35015 Digital Booster operates automatically once correctly connected and powered. Its primary function is to amplify the digital signal and provide sufficient current to the designated track sections.

- **Indicator Lights:**
  - **Green Light:** Indicates normal operation and power output to the track.

    - **Red Light:** Typically indicates an overload or short circuit on the track section connected to the booster. The booster will automatically shut down power to protect itself and your equipment.

- **Overload Protection:** In case of a short circuit or excessive current draw, the booster will temporarily cut power to the track. Remove the cause of the short circuit (e.g., derailed locomotive) and the booster should automatically reset and resume operation after a few seconds. If it does not reset, disconnect and reconnect the booster's power supply.

6. Maintenance

The Piko 35015 Digital Booster requires minimal maintenance:

- **Cleaning:** Use a soft, dry cloth to gently wipe the exterior of the booster. Do not use liquid cleaners, solvents, or abrasive materials.
- **Storage:** When not in use for extended periods, disconnect the booster from the power supply and store it in a dry, dust-free environment.
- **Inspection:** Periodically inspect all cables and connections for signs of wear or damage. Replace any damaged components immediately.

7. Troubleshooting

If you encounter issues with your Piko 35015 Digital Booster, refer to the following table:

Problem	Possible Cause	Solution
Booster not powering on (no lights)	No power supply connected or faulty power supply.	Check power supply connection. Ensure power supply is functional and plugged into a live outlet.
Red indicator light is on, no track power	Short circuit or overload on the track section.	Identify and remove the cause of the short circuit (e.g., derailed locomotive, metal objects on track). The booster should reset automatically. If not, disconnect and reconnect power.
Locomotives run slowly or erratically on booster-powered section	Insufficient current for the number of locomotives/accessories, or poor track conductivity.	Reduce the load on the booster. Clean track and locomotive wheels. Ensure all track connections are secure. Consider adding another booster for larger layouts.
Booster not responding to central unit commands	Incorrect or loose data bus connection.	Verify the data bus cable is securely connected between the central unit and the booster. Refer to both manuals for correct connection points.

If the problem persists after attempting these solutions, please contact Piko customer support or your retailer.

8. Specifications

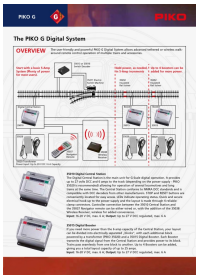
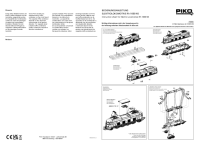
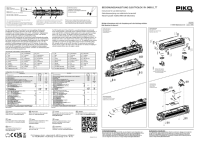
- **Model Number:** 35015
- **Input Voltage:** 22V DC (Nominal)
- **Output Current:** 5A (Maximum)

- **Scale Compatibility:** G Scale Digital
- **Item Weight:** 2.03 pounds (approx. 0.92 kg)
- **Recommended Age:** 14 years and up
- **Manufacturer:** Piko

9. Warranty and Support

Piko products are manufactured to high-quality standards. For warranty information, please refer to the documentation provided with your purchase or visit the official Piko website. For technical support, spare parts, or service inquiries, please contact your authorized Piko dealer or Piko customer service directly. Contact information can typically be found on the manufacturer's website or on the product packaging.

Related Documents - 35015

	PIKO G Scale Elektrotriebzug 'Gläserner Zug' DB Ep. IV Instruction Manual Comprehensive guide for the PIKO G scale 'Gläserner Zug' (Glass Train) electric multiple unit (ET 91, DB Ep. IV). Covers prototype history, model features, technical specifications, operation, maintenance, assembly, and safety guidelines.
	PIKO G Digital System: Overview and Components for G-Scale Model Trains Explore the PIKO G Digital System, a comprehensive solution for advanced G-Scale model train operation. Learn about the Digital Central Station, Boosters, Switch Decoders, Navigator Remote, and more for both tethered and wireless control.
	PIKO Desiro BR 642 Model Train - Instructions for Use Detailed instructions for the PIKO Desiro BR 642 model train, covering unpacking, assembly, maintenance, technical specifications, and digital operation for both DC and AC systems. Includes component replacement guides and model overview.
	PIKO Electric Locomotive Rh 1000 NS: Instruction Manual & Spare Parts (#97504) Detailed instructions for the PIKO HO scale Electric Locomotive Rh 1000 NS (Model #97504), including assembly, disassembly, decoder and sound installation, and a comprehensive spare parts list.
	PIKO RH S489.0 TT Electric Locomotive Model: Instructions and Spare Parts Comprehensive guide for the PIKO RH S489.0 TT electric locomotive model, featuring detailed instructions, technical specifications, function assignments, and a complete spare parts list. Includes information on the PIKO SmartDecoder XP Sound Next18.
	PIKO Vectron Dual Mode Locomotive Operating Instructions Comprehensive operating instructions for the PIKO HO scale Vectron Dual Mode locomotive, detailing prototype information, safety guidelines, maintenance procedures, and PluX interface assignments. Includes technical specifications and disposal information.