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› KATO 20-606 N-Gauge 3-Light Automatic Signal Instruction Manual

Kato 20-606

KATO 20-606 N-Gauge 3-Light Automatic Signal Instruction Manual

Model: 20-606 | Brand: Kato

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your KATO 20-606 N-Gauge 3-Light Automatic Signal. Please read this manual thoroughly before use to ensure correct installation and optimal performance.

PACKAGE CONTENTS

The KATO 20-606 N-Gauge 3-Light Automatic Signal set includes the following components:

- 3-Light Automatic Signal Main Body (with 64mm straight track)
- Auxiliary Straight Tracks (30mm x 2)
- Connection Cable



Image: Components of the KATO 20-606 N-Gauge 3-Light Automatic Signal set, showing the signal unit integrated into a 64mm straight track, two 30mm auxiliary straight tracks, and a connection cable.

SETUP AND INSTALLATION

Follow these steps to properly set up your automatic signal:

- 1. Track Integration:** The signal main body is integrated with a 64mm straight track. For longer track sections, combine it with the two included 30mm auxiliary straight tracks to achieve a total length equivalent to a 124mm straight track. This allows for flexible placement in various layout configurations, including tight spaces or near points.
- 2. Power Connection:**
 - Connect the signal to a DC 12V power source.
 - Compatible power sources include:
 - KATO 22-018/018BK Power Pack Standard SX (with 22-082 N AC Adapter)
 - KATO 24-829/829BK Accessory Adapter
 - KATO 22-081 Power Connector connected to a 22-082 Power Pack Hyper DX
 - **Important:** Do not use power packs older than the KATO 22-012 Power Pack Standard S, as this may cause product malfunction.
 - Ensure a secure connection using the provided cable. An accessory adapter (e.g., 24-829) is often required to connect the signal to your power pack.
- 3. Layout Integration:** The signal is designed for N-Gauge Uni-Track systems. Its compact design allows for improved freedom of installation.

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OPERATION

- **Automatic Signal Change:** The signal utilizes a flange touch sensor for reliable operation. When a vehicle passes over the sensor, the signal light sequence will automatically change from **Green** → **Red** → **Yellow** → **Green**.
- **Reverse Direction:** If a vehicle reverses direction over the signal, the signal will consistently display **Red**.
- **Stop Signal Button (Sold Separately):** The signal is compatible with the KATO 24-848 Stop Signal Button. Pressing this button will force the signal to always display **Red**, overriding automatic operation.
- **Analog/DCC Layout Identification:** The signal automatically identifies the power supply method of your layout (Analog or DCC).
- **DCC Layout Specifics:** In a DCC layout, the signal will turn **Green** when standing, regardless of the direction of progress. To reverse the signal direction in a DCC layout, you must use the KATO 24-848 Stop Signal Button to force it to **Red**.

MAINTENANCE

- Ensure track connections are secure and free from corrosion.
- Gently clean the sensor area on the track with a soft, dry cloth if operation becomes inconsistent.

TROUBLESHOOTING

- **Signal Not Functioning:**
 - Verify that the signal is correctly connected to a compatible DC 12V power source.
 - Ensure you are not using a power pack older than KATO 22-012 Power Pack Standard S, as this can cause malfunction.
 - Check all cable connections for security. An accessory adapter (e.g., KATO 24-829) is often necessary for power connection.

- **Inconsistent Signal Changes:**
 - Ensure the track and the flange touch sensor area are clean and free from obstructions.
 - Verify that vehicles are passing over the sensor correctly.
- **Signal Always Red in DCC Layout:**
 - In DCC mode, the signal turns green when standing. If you require it to be red, use the KATO 24-848 Stop Signal Button (sold separately).

SPECIFICATIONS

Brand Name	Kato
Model Number	20-606
Item Type Name	Model Railway Accessories
Unit Count	1.0 Count
Size	1/150 (N-Gauge)
Item Dimensions	Approximately 2.05 x 4.21 x 4.21 inches (5.2 x 10.7 x 10.7 cm)
Scale	N
Assembly Required	No (Minor track integration)
Indoor/Outdoor Usage	Indoor
Operation Mode	Automatic
Material Type	Plastic
Power Requirement	DC 12V (Compatible with KATO Power Packs)

WARRANTY AND SUPPORT

Specific warranty information for the KATO 20-606 N-Gauge 3-Light Automatic Signal is not provided in the product details. For warranty claims or technical support, please contact Kato customer service directly or refer to the official Kato website for the most current information.

You may also find helpful resources and community forums for KATO N-Gauge products online.