

## Nilight Reverse Lights 5PIN Rocker Switch

# Nilight Reverse Lights 5PIN Rocker Switch Instruction Manual

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Nilight Reverse Lights 5PIN Rocker Switch. Please read this manual thoroughly before installation and use to ensure proper function and safety. This switch is designed for controlling reverse lights in various vehicles including ATVs, UTVs, cars, trucks, and RVs.

## SAFETY INFORMATION

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- Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock or short circuits.
- Ensure all wiring connections are secure and properly insulated to avoid loose connections or exposed wires.
- Verify that the switch's voltage and current ratings (12V/20A, 24V/10A) are compatible with your vehicle's electrical system and the connected accessories.
- Do not exceed the maximum current rating of the switch.
- If you are unsure about any part of the installation process, consult a qualified automotive electrician.

## PACKAGE CONTENTS

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Please check the package for the following items:

- 1x Nilight 5 Pin Rocker Switch (Reverse Lights)
- 1x Jumper Wires Set
- 1x Wiring Diagram (included in this manual)



Image: The Nilight 5 Pin Rocker Switch for Reverse Lights, shown with the included jumper wires.

## PRODUCT OVERVIEW

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The Nilight Reverse Lights 5PIN Rocker Switch features a Single Pole Single Throw (SPST) ON-OFF design, making it suitable for controlling various auxiliary lights. It includes two built-in premium LEDs for illumination, ensuring visibility in low-light conditions.

### Key Features:

- **SPST ON-OFF Design:** Simple and effective control for your reverse lights.
- **Orange Backlit LED:** Two integrated LEDs illuminate the switch pattern, making it easy to locate and operate in the dark.
- **Durable Construction:** Made from high-quality ABS plastic and well-conductive pins for long-lasting performance.
- **Wide Compatibility:** Rated for 12V DC (20A) and 24V DC (10A) systems, suitable for various vehicle types.
- **Laser-Etched Pattern:** The "Reverse Lights" pattern is laser-etched for durability and resistance to fading.

## COOL ILLUMINATED LIGHT

built-in two premium LEDs Emits soft light to illuminate the patterns, easy for you to find the switch in the dark.

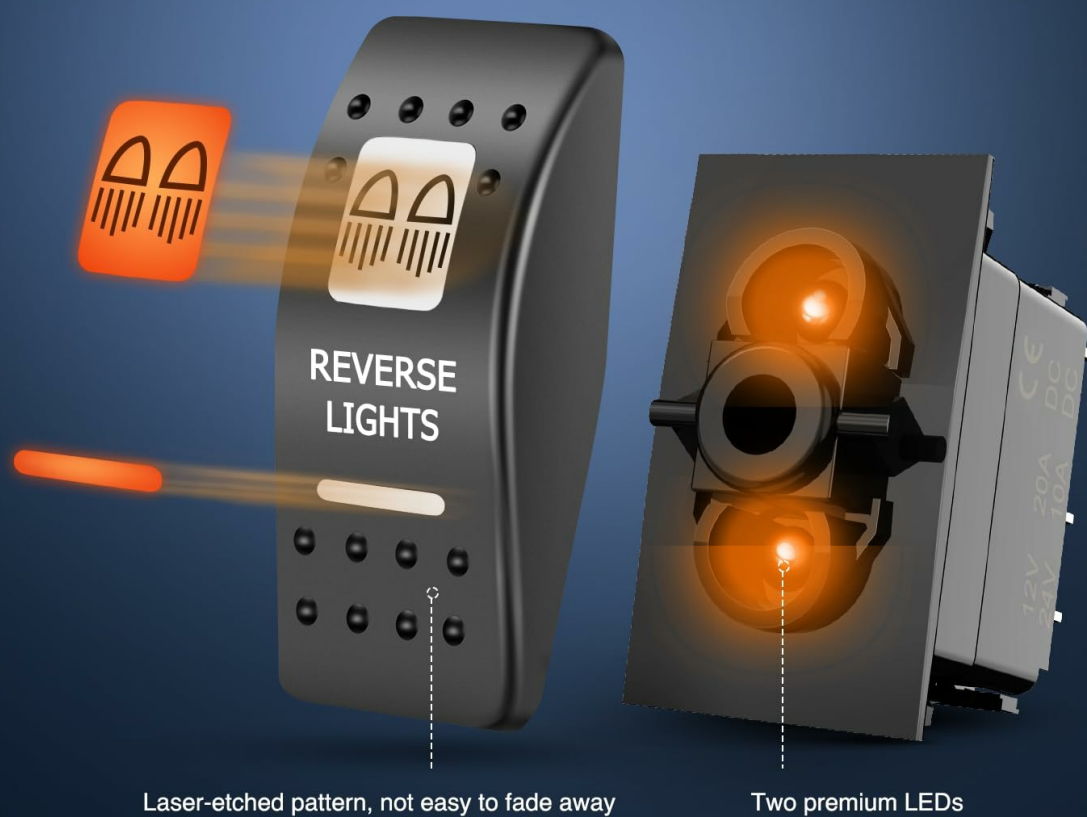


Image: Close-up view of the Nilight Rocker Switch highlighting the laser-etched pattern and internal LED illumination.



Image: Example of the Nilight Rocker Switch installed in a UTV dashboard, showing its integration.

SPECIFICATIONS

Specification	Value
Operation Mode	ON-OFF
Current Rating	20 Amps (12V DC), 10 Amps (24V DC)
Operating Voltage	12 Volts (DC), 24 Volts (DC)
Contact Type	Normally Open
Connector Type	Plug In
Switch Type	Rocker
Terminal	Blade
Material	Brass, ABS Plastic
Item Dimensions (L x W x H)	2 x 2 x 2 inches (approximate)



## SIZE



### STURDY AND DURABLE SWITCH

High quality ABS makes the switch sturdy 10,000 times pressing test makes the switch flexible and durable



### JUMPER WIRES SET

Image: Diagram showing the dimensions of the Nilight Rocker Switch and highlighting its durable construction.

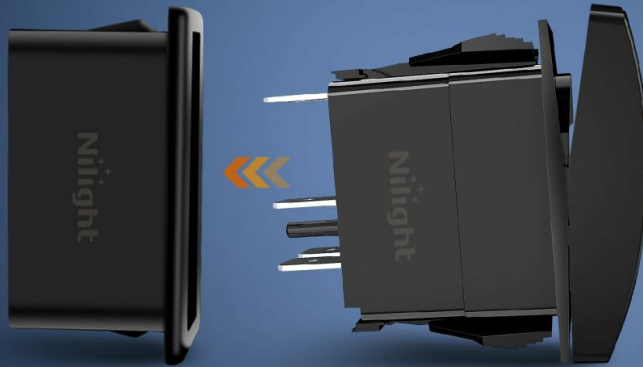
## SETUP AND INSTALLATION

This section guides you through the installation of the Nilight Reverse Lights Rocker Switch. Ensure the vehicle's power is disconnected before proceeding.

### 1. Mounting the Switch

- Identify a suitable location on your vehicle's dashboard or panel for the switch. The switch is designed to fit standard UTV switch openings.
- If no existing opening is available, carefully cut a rectangular hole of appropriate size (approximately 1.18" x 0.75" or 30mm x 19mm) using appropriate tools.
- Insert the rocker switch into the opening until it snaps securely into place.

## EASY INSTALLATION



Sold Separately

Use Nilight rocker switch holder housing for better using effect

Mainly used to control the light fixtures of cars, trucks, off road vehicles, boats etc.



Image: Illustration demonstrating the easy installation of the Nilight Rocker Switch into a panel opening.

## 2. Wiring Method

Refer to the wiring diagram below for correct connections. The included jumper wires facilitate easier installation.

1. **Pin 2 & 6:** Connect to the positive (+) terminal of your vehicle's battery (or a fused 12V/24V power source).
2. **Pin 3:** Connect to the positive (+) input of your reverse lights or other accessory.
3. **Pin 7 & 8:** Connect to a reliable ground (-) point on your vehicle chassis.
4. **Pin 1 & 4:** These pins are typically for internal LED illumination and are connected as shown in the diagram.

## WIRING METHOD

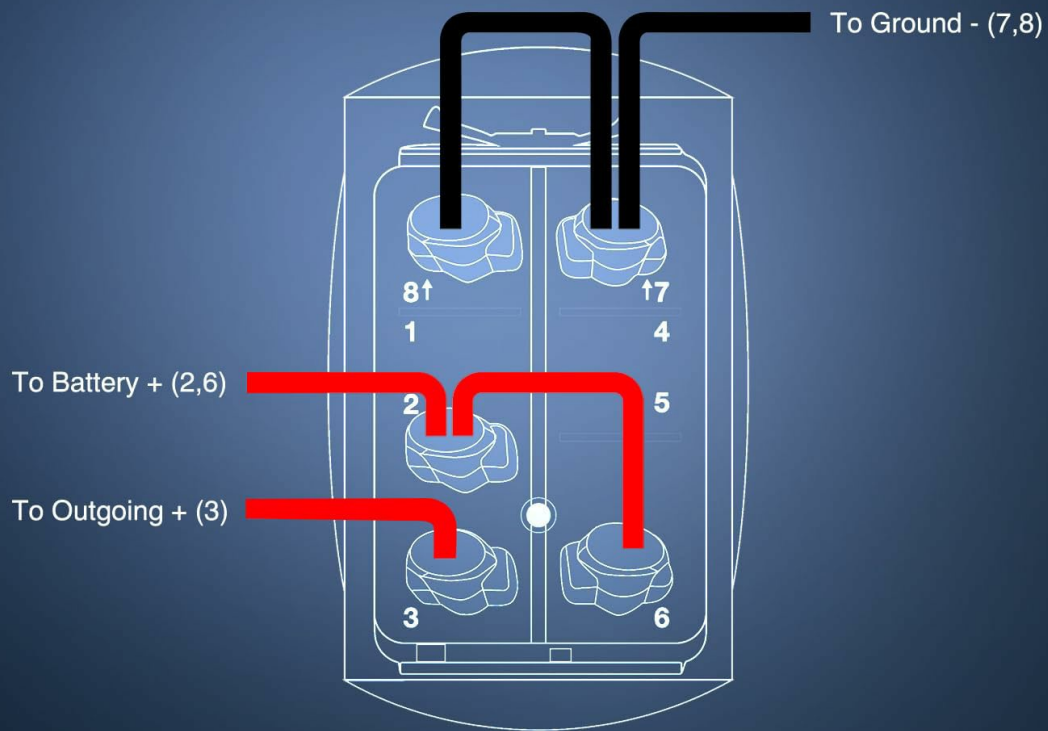


Image: Detailed wiring diagram for the Nilight 5 Pin Rocker Switch, showing connections to battery, output, and ground.

### 3. Using Jumper Wires

The provided jumper wires simplify connections. Ensure the terminals are securely crimped and insulated.

- Connect the red jumper wires to the positive power source and the black jumper wires to the ground.
- To disconnect, press down on the clips of the wire terminals to release them easily.

## EASY DISCONNECTION JUMPER WIRES

Pressing down the clips on the wire terminals to disconnect easily



Image: Illustration showing how to easily disconnect the jumper wires by pressing the clips on the terminals.

### OPERATING INSTRUCTIONS

The Nilight Rocker Switch operates with a simple ON-OFF mechanism.

- To turn on the connected reverse lights, press the upper part of the rocker switch. The switch's internal LEDs will illuminate, indicating the ON status.
- To turn off the connected reverse lights, press the lower part of the rocker switch. The internal LEDs will turn off.

### LED Illumination:

The switch features two LEDs. The lower LED illuminates constantly when the key is on, providing a soft glow to help locate the switch. The upper LED illuminates when the switch is in the ON position, indicating that the connected accessory is active.



# LED LIGHTING EFFECT

## Back up LED Lights

The lower LED illuminate constantly when key on. Low power consumption



OFF



ON

## No back up LED Lights

The lower LED will only on when switch is turned to ON position



OFF



ON

Image: Visual representation of the Nilight Rocker Switch's LED illumination in both ON and OFF states, with and without backup LEDs.

## MAINTENANCE

- Periodically inspect the switch and its wiring for any signs of wear, damage, or loose connections.
- Keep the switch clean and free from dirt, dust, and moisture. Use a soft, dry cloth for cleaning.
- Avoid using harsh chemicals or abrasive cleaners, as these can damage the switch's finish or internal components.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Switch does not illuminate or operate.	No power supply; Loose wiring connection; Blown fuse; Faulty switch.	Check power source and battery connections. Verify all wiring is secure. Inspect vehicle's fuse box for a blown fuse and replace if necessary. If all else fails, the switch may be faulty and require replacement.

Problem	Possible Cause	Solution
Connected lights do not turn on.	Incorrect wiring to lights; Faulty lights; Insufficient power.	Review the wiring diagram to ensure correct connection to the lights. Test the lights directly to confirm they are functional. Ensure the power source can provide adequate current.
Switch feels loose in the panel.	Improper installation; Panel opening too large.	Ensure the switch is fully seated and snapped into place. If the opening is too large, consider using a switch housing or a different mounting location.

## WARRANTY AND SUPPORT

Nilight products are designed for durability and performance. For warranty information or technical support, please visit the official Nilight website or contact their customer service. Keep your purchase receipt for warranty claims.

**Nilight Official Website:** [www.nilight.com](http://www.nilight.com)