

[Manuals.plus](#) /

› [Voswitch](#) /

› Voswitch JL300 Lower Dash Switch Panel Instruction Manual for Jeep Wrangler JL/JLU (2018-Current) and Gladiator (2020+)

Voswitch JL300

Voswitch JL300 Lower Dash Switch Panel Instruction Manual

For Jeep Wrangler JL/JLU (2018-Current) and Gladiator (2020+)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Voswitch JL300 Lower Dash Switch Panel. This system is designed to integrate seamlessly into your Jeep Wrangler JL/JLU (2018-Current) or Gladiator (2020+) to provide a centralized control point for auxiliary accessories.

The JL300 system features a programmable 6-switch panel, a waterproof power module, and is engineered for a factory-like appearance and straightforward installation.

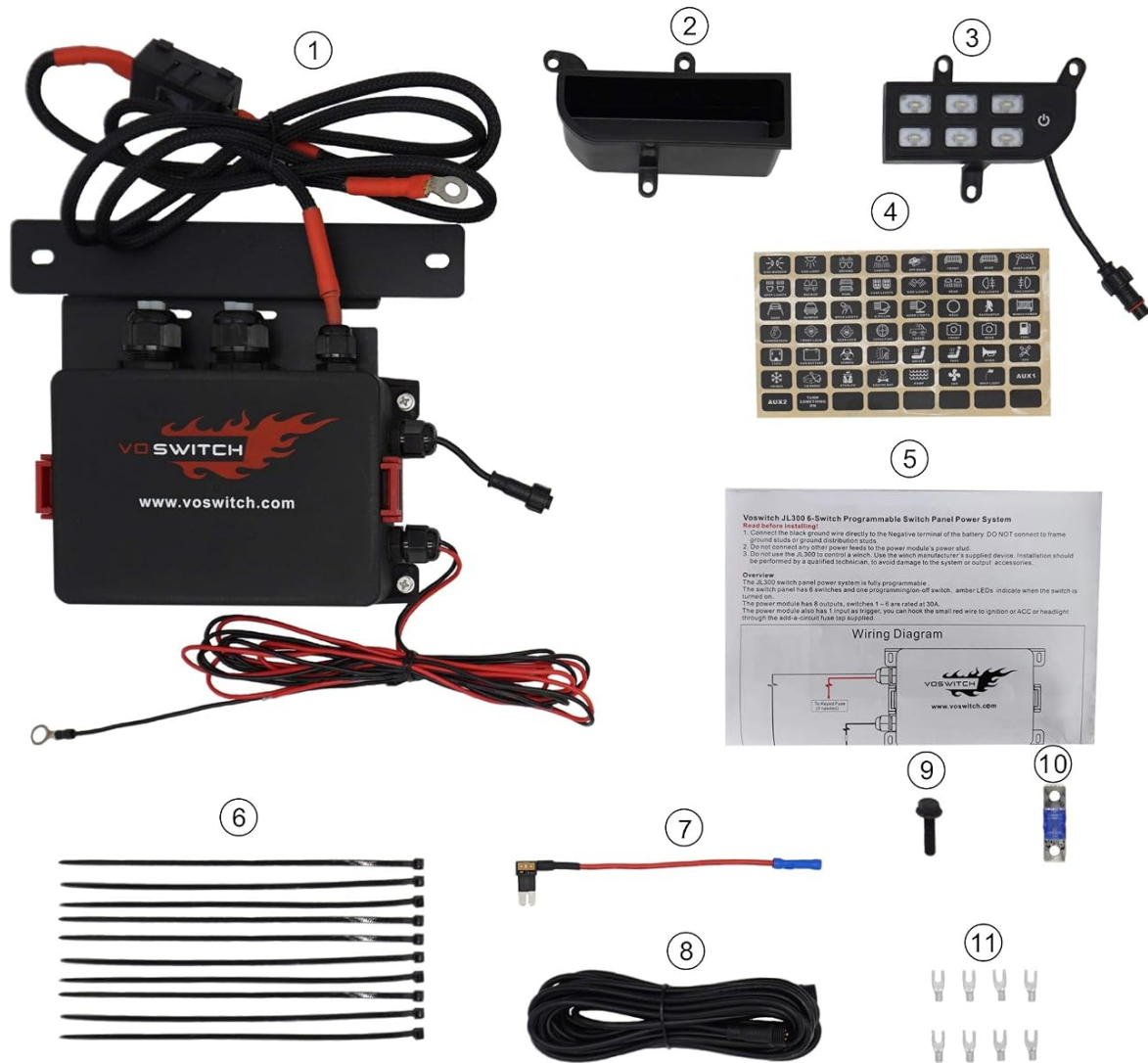
2. SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow safety guidelines may result in property damage, injury, or product malfunction.

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Do not exceed the maximum current rating of the system or individual circuits. Refer to the Specifications section.
- Consult a qualified automotive technician if you are unsure about any part of the installation process.
- Keep all components away from excessive heat, moisture, and corrosive materials.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:



- | | | |
|----------------|----------------------|---------------------|
| ① Power Module | ⑤ Instruction | ⑨ Mounting Hardware |
| ② Storage Box | ⑥ Zip Ties | ⑩ Spare Main Fuse |
| ③ Switch Panel | ⑦ Piggyback Fuse Tap | ⑪ Terminals |
| ④ Stickers | ⑧ Control Wire | |

Image Description: An overhead view of all components included in the Voswitch JL300 package. Each item is numbered and labeled.

The image displays the following components:

1. Power Module
2. Storage Box
3. Switch Panel
4. Stickers (for switch labels)
5. Instruction Manual
6. Zip Ties
7. Piggyback Fuse Tap
8. Control Wire
9. Mounting Hardware (screw)
10. Spare Main Fuse

4. SETUP AND INSTALLATION

The Voswitch JL300 is designed for a direct, no-cut, no-drilling installation in the lower dash of compatible Jeep models. Ensure the vehicle is turned off and the battery is disconnected before beginning installation.

4.1. Dash Panel Installation

The switch panel replaces the existing lower dash panel. It is compatible with both Rubicon (with offroad+ button) and non-Rubicon models (with a storage cubby or 12V outlet).

**Directly Install the switch in the lower dash, no cut no drilling.
Be compatible with the lower dash with or without offroad+ button.
The factory locker switch panel is not included.**



Image Description: This image shows the Voswitch JL300 switch panel being held up against a Jeep's lower dash, illustrating its intended placement. The panel is designed to fit directly into the lower dash area without requiring any cutting or drilling.

The switch panel integrates into the lower dash, maintaining an original equipment (OE) appearance. It is compatible with vehicles that have either the factory offroad+ button or a standard storage cubby/12V outlet in that location.



Image Description: A comparison image showing the Voswitch JL300 switch panel installed in two different Jeep dash configurations: one for a Rubicon model (top) and one for a non-Rubicon model (bottom).

The top image shows the switch panel installed in a Rubicon model, where it sits below the factory differential lock and sway bar disconnect switches. The bottom image shows the panel installed in a non-Rubicon model, replacing the 12V power outlet and storage cubby. This demonstrates the panel's versatile fitment.

1. Carefully remove the existing lower dash panel.
2. Connect the control wire from the Voswitch switch panel to the main power module.
3. Insert the Voswitch switch panel into the dash opening until it clicks securely into place.

4.2. Power Module Installation

The waterproof power module is typically installed under the hood. The exact mounting location may vary slightly depending on your vehicle's engine type.



Image Description: A close-up view of the Vosswitch power module installed under the hood of a Jeep. The module is mounted on a black bracket near the vehicle's battery and fluid reservoirs.

This image illustrates the typical installation of the power module on a gasoline engine Jeep JL or Gladiator. The module is securely fastened to a bracket, positioned to allow access to its connections.



Image Description: Two images showing the power module installation for a 3.0L EcoDiesel Jeep JL/Gladiator. The left image shows a close-up of a drilled hole for the AC service port. The right image shows the power module installed backward on the bracket.

For 3.0L EcoDiesel models, a modification is required. Drill a hole for the AC service port, then install the relay box backward on the provided bracket to ensure proper fitment.

1. Mount the power module securely in the engine bay using the provided bracket and hardware. Refer to the specific instructions for your vehicle's engine type (e.g., gasoline or EcoDiesel).
2. Connect the main power cable from the power module directly to the positive terminal of the vehicle's battery.
3. Connect the ground wire from the power module to a suitable chassis ground point.
4. Route the control wire from the dash switch panel through the firewall to the power module and connect it.
5. Use the provided piggyback fuse tap to connect the trigger wire to an ignition-switched fuse in your vehicle's fuse box. This ensures the system powers off with the vehicle.
6. Connect your auxiliary accessories to the output terminals on the power module. Ensure each accessory is properly fused and wired according to its power requirements.
7. Once all connections are made, reconnect the vehicle's battery.

Important: The power module is waterproof (IP54 rated), but ensure all connections are tight and protected from direct water spray.

5. OPERATING INSTRUCTIONS

The Voswitch JL300 features six programmable switches to control your auxiliary accessories.

5.1. Basic Operation

- Press a switch button to activate or deactivate the connected accessory.
- When the switch panel is powered on, the buttons will be lit in white.

- When an accessory is active, its corresponding switch button will illuminate in orange.

5.2. Programming Switch Functions

Each of the six switches can be programmed for different operational modes: Solid, Flash, Strobe, or Momentary.

- **Solid:** Standard on/off function. Press once for on, press again for off.
- **Flash:** The accessory will flash when activated.
- **Strobe:** The accessory will strobe when activated.
- **Momentary:** The accessory will remain active only while the button is pressed.

Refer to the detailed programming instructions in the included paper manual for specific steps on how to change the mode for each switch.

5.3. Applying Switch Labels



Image Description: A sheet of various pre-printed stickers with icons and text for labeling the switch panel buttons. Below it is a close-up of the switch panel itself, showing the individual buttons where these labels would be applied.

The system includes a variety of adhesive labels to customize your switch panel. Select the labels that correspond to your connected accessories. It is recommended to apply these labels before the final installation of the switch panel into the dash, as the recessed nature of the buttons can make application difficult afterward.

1. Identify the function of each connected accessory.
2. Select the appropriate label from the provided sticker sheet.
3. Carefully apply the label to the center of the corresponding switch button. Ensure it is aligned properly.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Voswitch JL300 system.

- **Cleaning:** Wipe the switch panel with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Connections:** Periodically inspect all wiring connections, especially those in the engine bay, for corrosion or looseness. Tighten as necessary.
- **Fuses:** The system uses replaceable relays and fuses. If an accessory stops working, check the corresponding fuse in the power module. Replace with a fuse of the same rating. A spare main fuse is included in the package.
- **Waterproof Module:** While the power module is waterproof (IP54), avoid directing high-pressure water sprays directly onto it during vehicle washing.

7. TROUBLESHOOTING

If you encounter issues with your Voswitch JL300, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Switch panel does not power on.	◦ Loose battery connection. ◦ Blown main fuse. ◦ Incorrectly wired trigger wire.	◦ Check and tighten battery connections. ◦ Inspect and replace the main fuse if blown. ◦ Verify the trigger wire is connected to an ignition-switched fuse.
An accessory does not turn on.	◦ Blown individual circuit fuse/relay. ◦ Loose accessory wiring. ◦ Faulty accessory.	◦ Check and replace the specific fuse/relay for that circuit. ◦ Ensure accessory wires are securely connected to the power module. ◦ Test the accessory directly to confirm it is functional.
Switch panel lights are too bright/dim.	No specific dimming control mentioned in product details.	The system does not feature adjustable brightness for the switch panel lights. This is a fixed setting.
System short circuits or blows fuses frequently.	◦ Overloaded circuit. ◦ Incorrect fuse rating. ◦ Short circuit in accessory wiring.	◦ Ensure the current draw of the accessory does not exceed the circuit's rating. ◦ Use only fuses with the specified amperage rating. ◦ Inspect accessory wiring for any exposed wires or damage that could cause a short.

8. SPECIFICATIONS

Feature	Detail
Brand	Voswitch
Model	JL300
Operating Voltage	12 Volts
Current Rating (Total)	100 Amps
Number of Switches	6
Circuit Type	6-way
Switch Actuator Type	Push Button
Programmable Modes	Solid, Flash, Strobe, Momentary
International Protection Rating	IP54 (Waterproof Power Module)
Dimensions (L x W x H)	13.39 x 10.24 x 5.12 inches (Product)
Weight	1.6 ounces (Item)
UPC	726587180323

9. WARRANTY AND SUPPORT

Specific warranty details are typically provided with your product documentation or can be obtained from the manufacturer's official website. For technical support, installation assistance, or warranty claims, please contact Voswitch directly.

Manufacturer: Jusvic (Voswitch)

Website: www.voswitch.com

Additional protection plans may be available for purchase through your retailer.