



EEZEE POWER



EEZEE POWER Switch Panel Universal Mounting Instructions

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General safety instructions

Please read this instruction manual carefully and familiarize yourself with the instructions, the received components and the needed tools.

Eezee Power will not be responsible for any damage caused by the failure to install the product according to these instructions.

All information in this guide has been prepared with great care. Eezee Power, however, does not accept liability for possible errors, changes and/or omissions. This user guide is for information purposes only and aims to support you in installing the Switch Panel completely by yourself. Individual applications may not be covered and need different handling.

If you do not understand the instructions and/or you do not feel confident enough to tackle the installation, you should have the product installed by a professional.

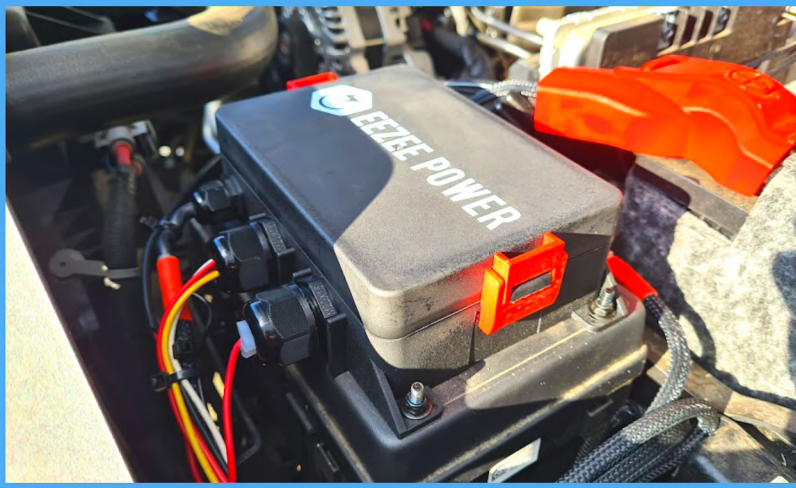
What you see is what you get



- 1 Relay box (specs on page 4)
- 2 Ignition wire & ground wire of switch panel
- 3 Extension cable relay box to switch panel
- 4 Main ground cable (negative)
- 5 Main power cable (positive)
- 6 Switch panel
- 7 Sticker sheet (2pcs)
- 8 Universal ball mount
- 9 Add-a-fuse tool (2pcs)
- 10 Spare fuse 100 amp
- 11 Various installation hardware



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Relay Box Universal Mounting Instructions

Note that these are universal instructions. The pictures in this manual may not be identical to your car.

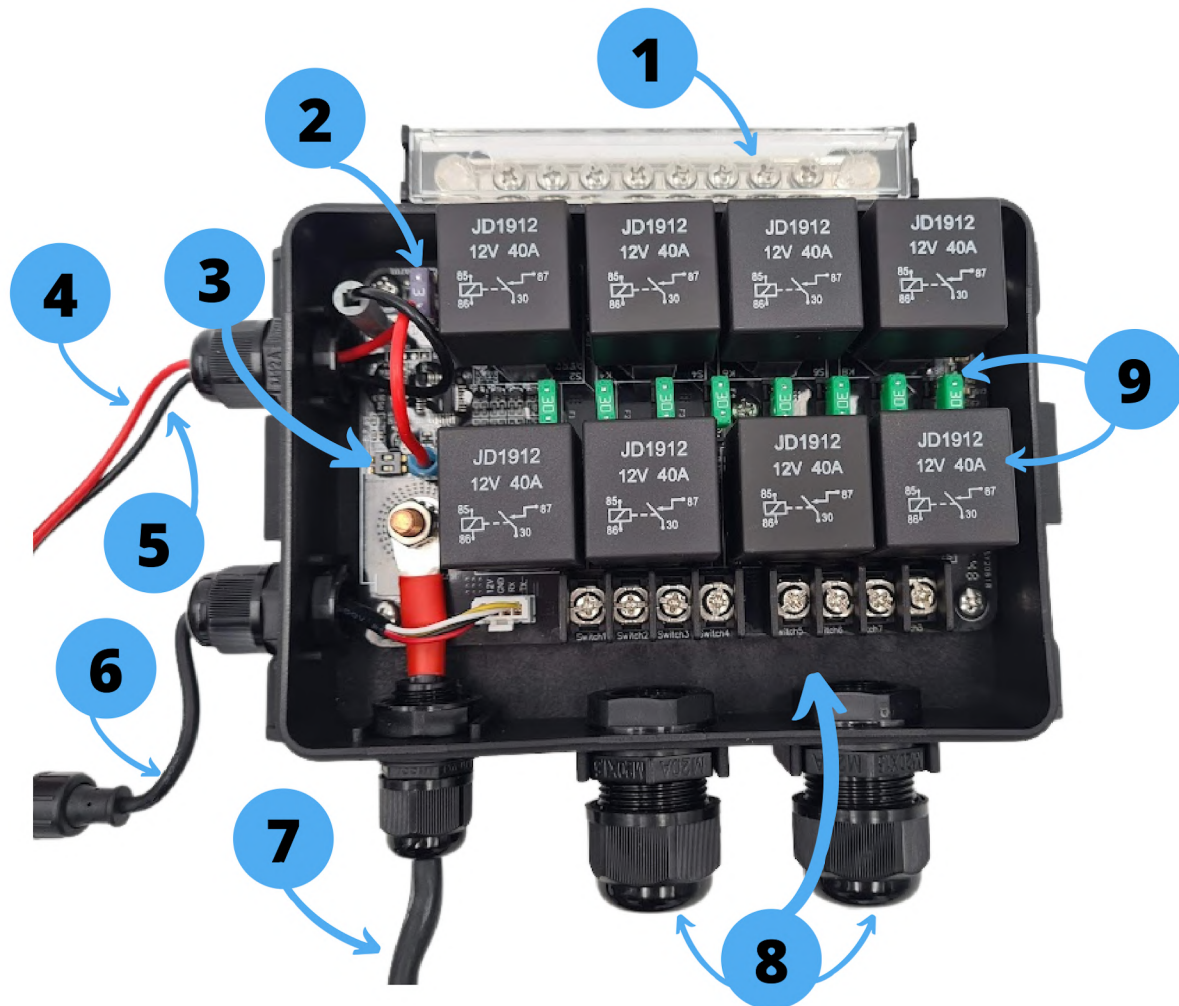


Find a good place to mount the relay box and mark the mounting holes. Tip: cover the area with painter's tape before making the marks. Drill the holes with a 5mm drill bit.

- When fixing this relay box, make sure it is on a flat surface. Otherwise you can damage the circuit board on the inside while tightening the bolts.
- Always watch out for original cables when drilling!
- Before drilling, please make sure that it is not mounted next to the exhaust system.



These pictures are mounting suggestions for the relay box



- 1 **Negative/ground busbar** : connect all negative cables of the accessories to this busbar. Then connect the busbar to the negative pole of the 12V battery with the supplied cable.
- 2 **Fuse** : 3 amp fuse of the switch panel. In case the switch panel does not turn on, it is recommended to check this fuse.
- 3 **Switch 1** : low voltage cut off (on or off) **Switch 2** : panel startup function (ignition or battery)
See page 7 for more information about these functions.
- 4 **Ignition cable** : connect this cable to the ignition of your vehicle and the switch panel will power up when the car is turned on. See page 8 for more information about these functions.
- 5 **Ground cable of the switch panel** : connect this cable directly to the negative pole of the 12V battery or to the minus busbar of the relay box.
- 6 **Switch panel cable** that connects the relay box to the switch panel.
- 7 **Main power cable positive side** : connect this cable directly to the positive pole of the **12V battery**.
Attention: 24V batteries are not allowed!
- 8 Connect the positive side of your **12V accessories** here (maximum 30 amp per output)
- 9 Fuse and relays (it is recommended to match the fuse to the type of cable you are using)
Attention: never fit a fuse larger than 30 amps!

Add-a-fuse tool

Ignition cable
(optional use)

Switch Panel negative cable

Main negative cable

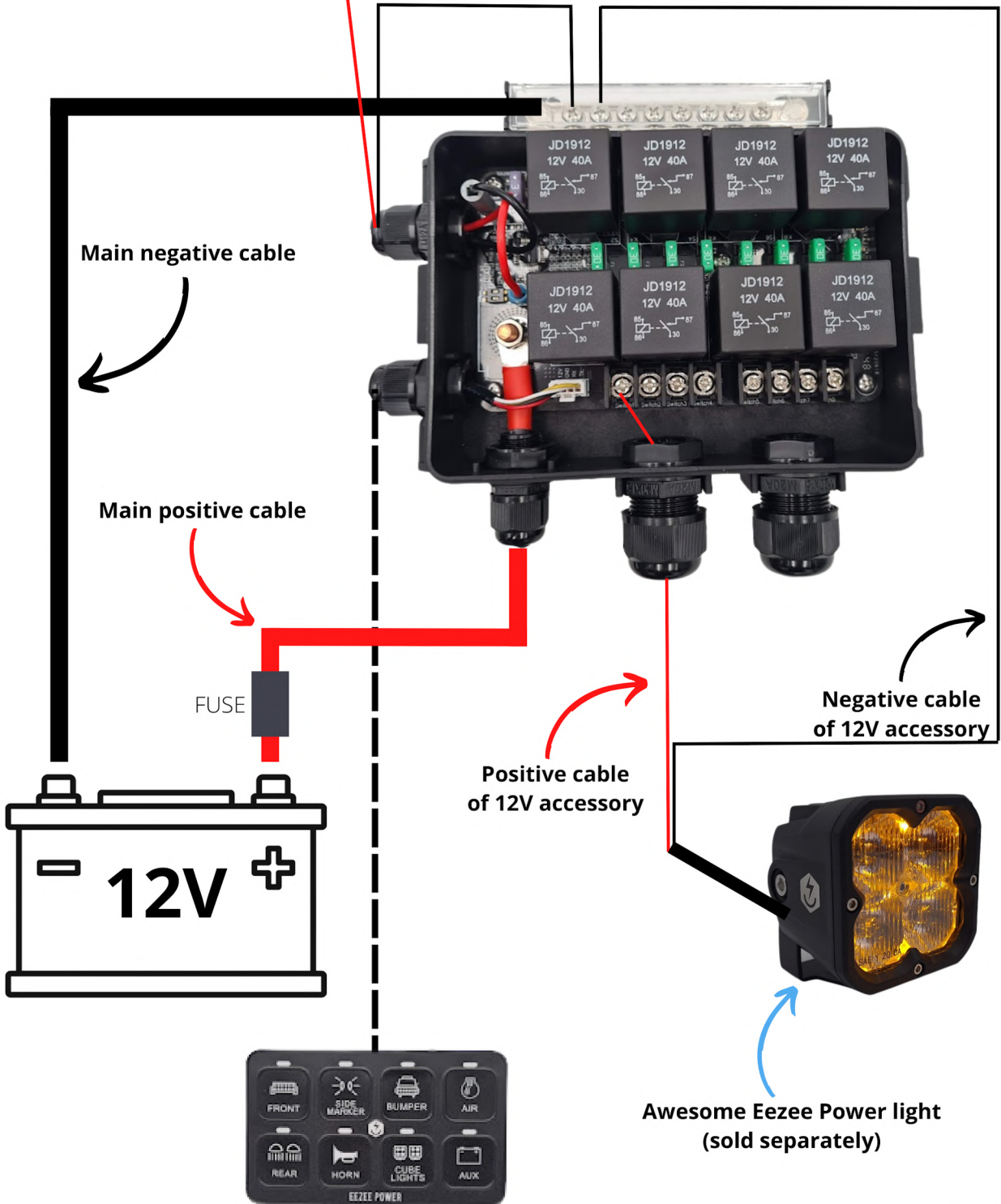
Main positive cable

FUSE

Positive cable
of 12V accessory

Negative cable
of 12V accessory

Awesome Eezee Power light
(sold separately)



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Switch Panel Universal Mounting Instructions

Note that these are universal instructions. The pictures in this manual may not match your car's interior.



Attach the switch panel to the universal ball mount. Find a good place to mount the switch panel and mark the mounting holes. Tip: cover the area with painter's tape before making the marks.



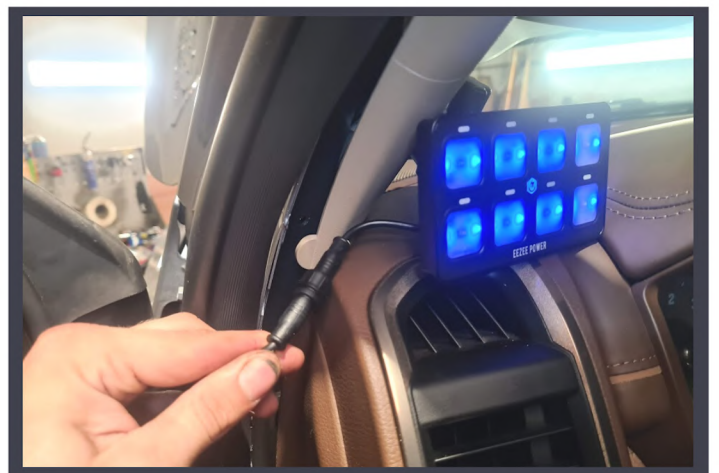
Drill the holes with a 5mm drill bit and attach the ball mount with the supplied screws and nuts. It is recommended to remove the interior panel before drilling.



Reassemble the interior panel into the car and attach the switch panel to the ball mount. You can now choose the ideal position and tighten the screw to secure this position.



Put some painter's tape on the end of the switch panel cable. Find a rubber in the firewall and put the cable through.



Plug the 4-pin connector into the relay box and into the switch panel. Make sure that the cable is nicely secured with cable ties. Now it's time to enjoy your great work!

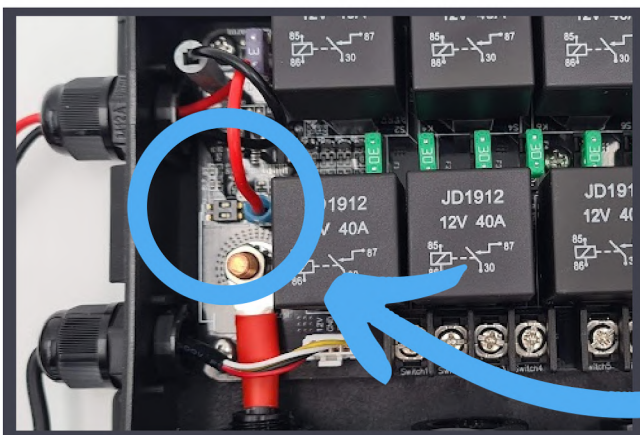


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Switch Panel start-up programming

It is recommended to disconnect the main positive cable of the switch panel from the 12V battery before making changes.



The small DIP-switches are located here in the relay box.

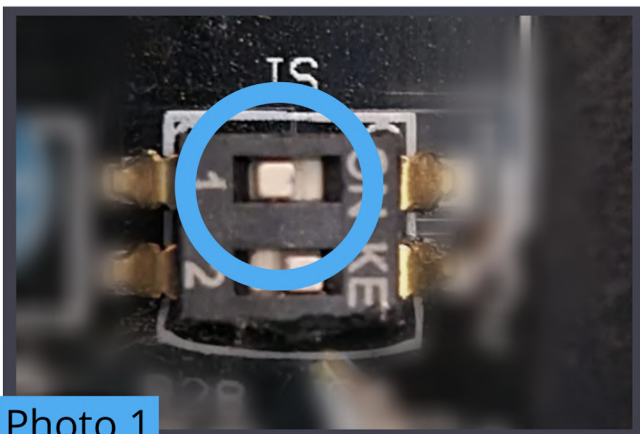


Photo 1

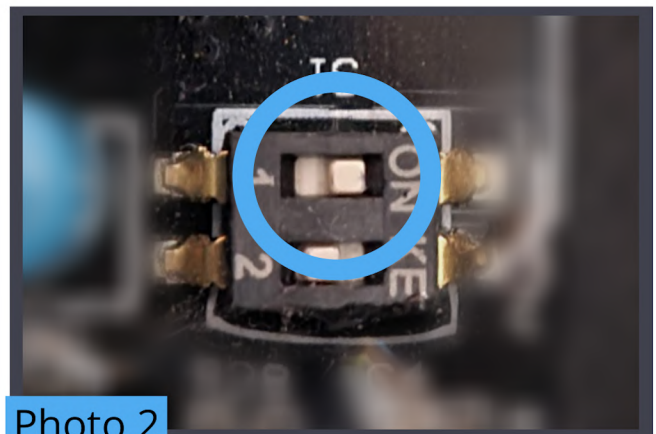


Photo 2

Switch 1 - Low Voltage Disconnect (LVD)

This function allows the switch panel to switch off when the battery voltage becomes too low.

- **Photo 1:** the LVD is switched off
- **Photo 2:** the LVD is switched on

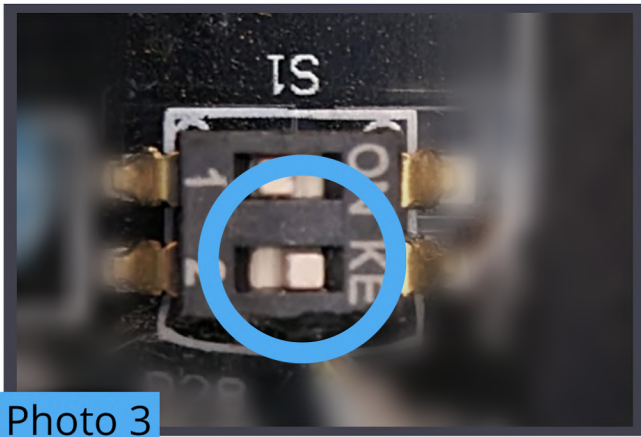


Photo 3

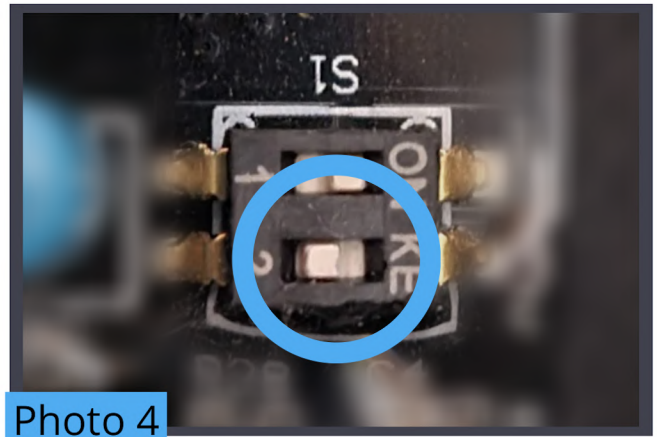


Photo 4

Switch 2 - Switch Panel Start-up

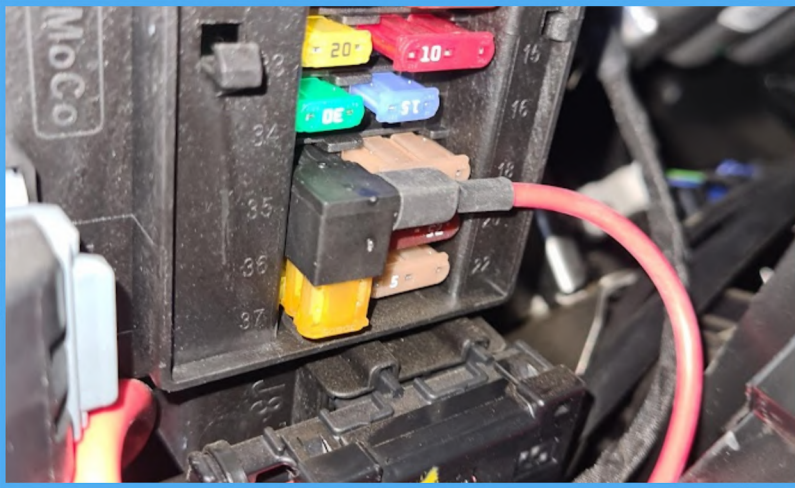
You can link the switch panel to the vehicle's ignition. In this case, starting the car will automatically turn on the switch panel and turning off the ignition will automatically switch off the panel.

You can also program the switch panel to be manually switched on and off by pressing the power button behind the Eezee Power logo.

- **Photo 3:** ignition start-up. The switch panel will be active when the ignition is on. You must connect cable 4 to the ignition of your car in order to use this function.
- **Photo 4:** manual start-up. The switch panel is always active and you turn it off and on with the power button in the middle of the switch panel. Cable 4 should not be connected to use this function.



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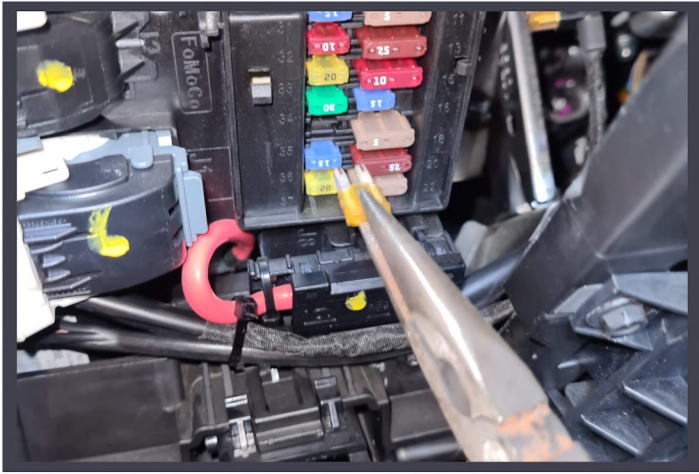


Ignition cable

To connect the ignition function you need a 12V tester for the installation. The installation is not possible without tester!



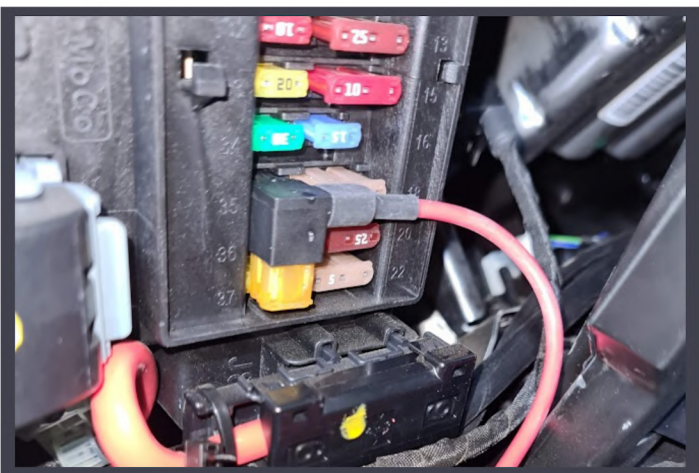
- Turn off the ignition of the car. Search for a fuse that is not active when the ignition is off.
- Turn on the ignition of the car and check if the fuse is now active. (For example: the fuse of the 12V socket is often an ignition-activated fuse.)
- Once you have found a suitable fuse, switch the car's ignition off again.



Remove the fuse from the car's fuse box and mark / remember the location. Check if the fuse matches the Add-a-Fuse tool. If it does not match, check the Eezee Power website to find a suitable Add-a-Fuse tool for your car.



Place the car's fuse in the bottom place of the Add-a-fuse tool. Crimp the Add-a-Fuse tool onto the ignition cable (cable number 4 - see diagram on page 3).



Place the Add-a-Fuse tool in the original position of the car's fuse.

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Switch Panel Connecting 12V accessories

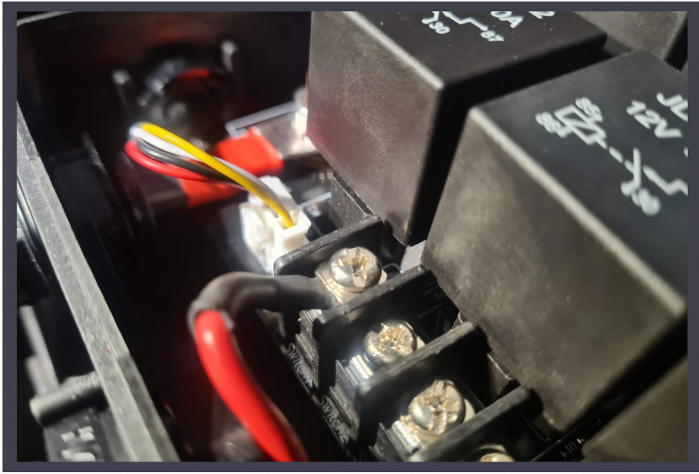
Note that these are universal instructions. The pictures in this manual may not match your car's interior.



Remove the rubber plugs and place the positive cable of the 12V accessory through the provided holes.
Attention: never connect accessories with more than 30A!



Strip the cable and crimp the supplied cable forks onto the cable.



Loosen the screws a few turns, slide the cable connector underneath and tighten the screws.



Now install the sticker on the button that corresponds to the 12V accessory. **Never remove a sticker with a sharp object (such as a knife) as this can damage the switch panel!**

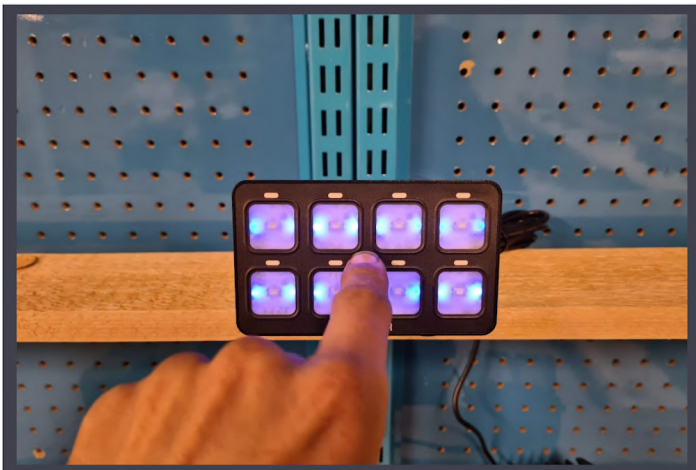


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Switch panel color and function programming

Before programming can begin, you must ensure that the switch panel is turned on.



Programming the switches

All buttons can be programmed individually as:

- On/off button (press once for *on*, press again for *off*)
- Momentary (press and hold, for example for an air horn)
- Double function flash (press once for *on* and press twice for *flash*)
- Double function strobe (press once for *on* and press twice for *strobe*)

Step 1: make sure the panel is on.

Step 2: press the Eezee Power logo for 5 seconds. The panel will blink once to confirm that the programming mode is active.

Step 3: select the button you want to program. With each press of the button, you scroll through the 4 options as mentioned above.

Step 4: program as many buttons as you like.

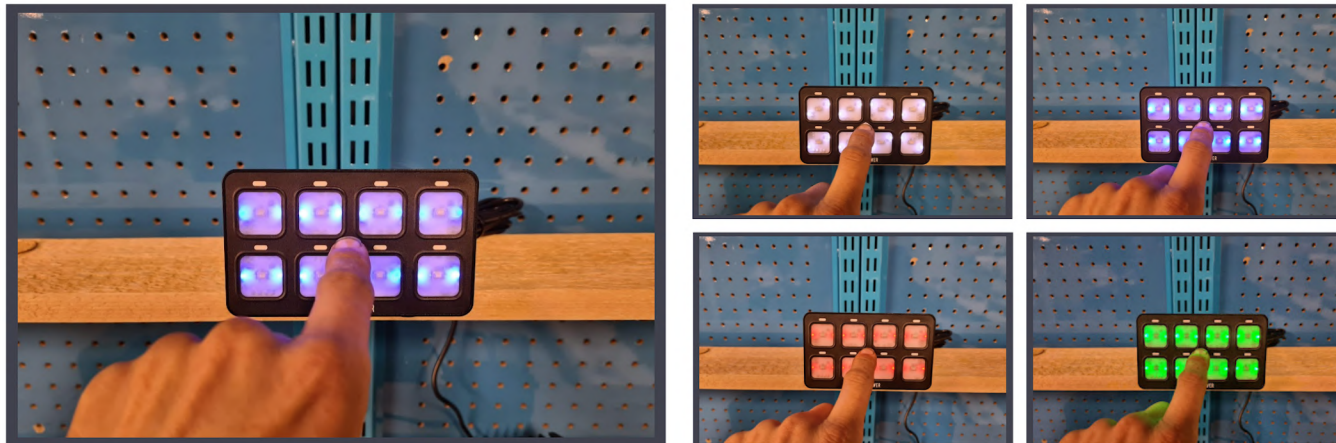
Step 5: when you are done, press the Eezee Power logo again for 5 seconds to save your settings.

Programming the switch panel color and brightness

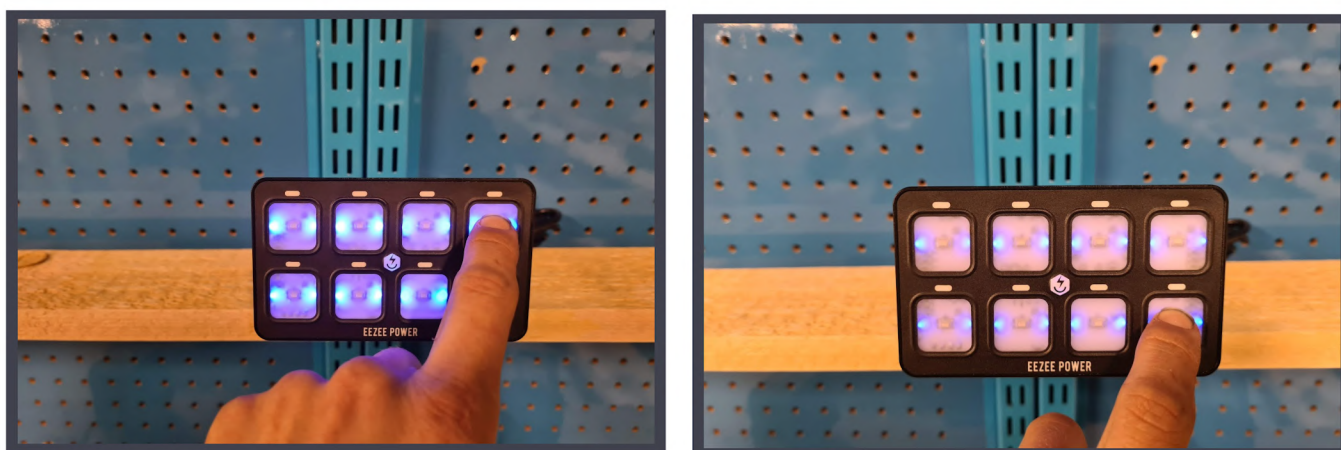
Step 1: make sure the switch panel is on.

Step 2: press the Eezee Power logo 1 time (short press). The switch panel will turn off.

Step 3: press the Eezee Power logo for 5 seconds. You are now in the color programming mode.



For every press to the Eezee Power logo (short press), you will scroll through the possible colors. Those are: red, green, white and the awesome Eezee Power blue.



Once you have chosen your color, you can also choose the brightness of the backlight.

Pressing button 4 will make it brighter. Pressing button 8 will dim it.

Last step: press the Eezee Power logo for 5 seconds to save your settings.



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Switch Panel Troubleshooting

Problem: The Switch Panel doesn't light up.

Remedy: Check the fuse alarm light. If the alarm light lights up, you need to replace the 3 amp fuse.

Problem: The Switch Panel blinks and doesn't react to commands.

Remedy: The low voltage cut-off function will be activated when the battery voltage is less than 11V. The Switch Panel will blink to show you that this is the problem. When the battery voltage is higher than 12.5V, the Switch Panel will function normally again.

Problem: The Switch Panel doesn't light up when the ignition control wire is connected.

Remedy: Check the Add-a-Fuse tool. Make sure that it is connected in the correct position and that the factory fuse is installed in the Add-a-Fuse tool.

Problem: The Switch Panel doesn't turn on, yet everything is intact.

Remedy: Test the pin control wire continuity.

Problem: I have an issue with the Switch Panel that is not listed above.

Remedy: please contact us at info@eezeepower.eu with a clear description of the problem.



Disclaimer

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If you do not understand the instructions and/or you do not feel confident enough to tackle the installation, you should have the product installed by a professional.

General guidelines

- This Switch Panel is only suited for 12V batteries and 12V accessories.
- Never drill in the relay box; use the provided mounting holes to install it.
- Keep the circuit board free from dirt, debris and other foreign objects.
- Make sure the cable entries on the relay box are well tightened so that it is sealed from dust and water.
- When handling wiring, always make sure that there is no voltage on the system (e.g. by removing a fuse).
- When running cables under the car, secure them with cable ties every 10 cm.
- Make sure the cables are never under tension. When in doubt, use a longer cable.
- Provide extra protection in damp conditions.
- Always use the correct wire size and correct fuse(s) according to the application.
- Make sure to put the fuse(s) as close to the battery as possible.
- Always check if all connections, fuses and plugs are properly connected.
- Never disconnect the battery from the car! This may reset the car's system completely.

Warranty

Our warranty only applies to manufacturing or design defects and does not cover misuse, modification, improper installation, accident damage, normal wear or finish failure caused by usage of wrong cleaning agents.

Please check the terms and conditions on our website for further details about the warranty procedures.