

INSTALLATION INSTRUCTIONS

SE System 8 Switch Modular Panel

Revision 1.0



Allow approximately 2 hours for installation

TOOLS REQUIRED

- Phillips head screw driver
- Various sockets (for battery terminal connections)
- Drill with 3/16 screw driving bit (for Source bracket)
- DREMEL tool, small saw or box knife
- 10-foot piece of string or wire to measure distance from switch panel to Source

NOTES AND WARNINGS

- Never reverse polarity on battery cables.
- System will shut down when voltage drops to 11.2 V (2 minute delay) and requires 12.8 V to reinitialize.
- Do not tamper, open or remove any factory-installed components; this will void the warranty.

AFTER INSTALLATION, YOU MUST START THE ENGINE TO ACTIVATE THE SYSTEM!!

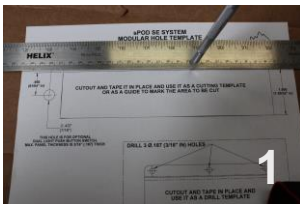
Mounting the 8 Switch Modular Panel

- Determine where you will mount the 8-Switch Modular Panel in the vehicle. Make sure that the 10-foot control cable will reach the Source^{SE} from the mounting position.



Make sure there is adequate room behind the mounting surface for the CAN controller.

- A template has been provided to cut out the hole for the switch panel.
 - 1: Using a straight edge and a cutting tool, cut out the template along the bold lines.
 - 2: Tape the template to the mounting surface and trace onto the surface with a pen or marker. Mark where to drill the hole for the indicator lights button.
 - 3: Remove the template and use tape along the outline to help mark straight lines when cutting.



- Use your DREMEL or small saw to cut the hole out of the surface.
- Drill a .437" hole where you marked for the indicator lights button.
- Insert the switch panel into the hole. It will snap into place.
- Route the control cable from the Source to the switch panel.

Mounting the CAN Controller

- To install the CAN Controller, use the template to drill three holes or use the provided double-sided tape to mount the CAN Controller near the switch panel. Keep in mind that you may need access to the jumper on the CAN Controller in order to program the flash and strobe features.



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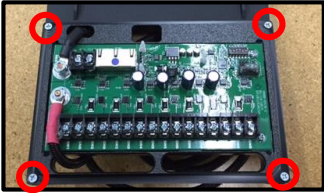
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Mounting the Source^{SE}

- Temporarily remove the 4 corner screws to separate the Source^{SE} board with the battery cables from the mounting bracket. Don't lose these screws.



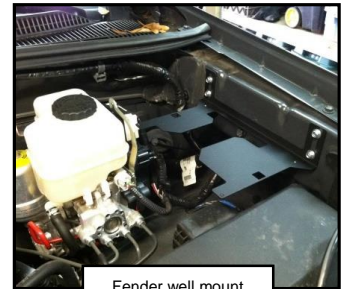
Universal 90



Use the provided self-drilling screws and washers to mount the bracket to either the driver side fender well or the firewall.

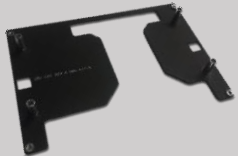


Firewall mount

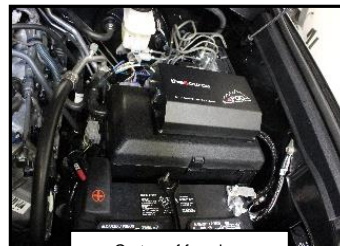


Fender well mount

Universal: FJ Cruiser Tacoma Tundra Truck



Remove the fuse box lid. Use the provided template to drill the bracket mounting holes on top of the fuse box lid. Use the provided (on bracket) screws and washers to mount the bracket to the fuse box lid.



On top of fuse box
on a 2014 Tundra

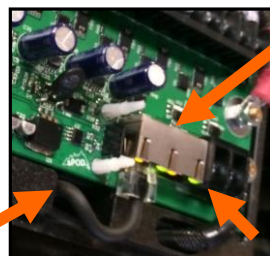


On top of fuse box
on a 2014 Dodge RAM

- Reinstall the source board on the bracket with the screws from the previous step.

NOTE: Do not over tighten these screws or the corners of the board may crack.

- Run control cable through firewall to the cab. There should be an existing passage through the firewall near the driver's side. Keep protective cap on during this process.



!! NOTE !!
These lights are disabled
& will not be on.

- Run connector up through opening in plastic then plug into any of the 2 receptacles.

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- Connect **Positive** & **Ground** wire to battery terminals. Use supplied cable ties to secure all cables.

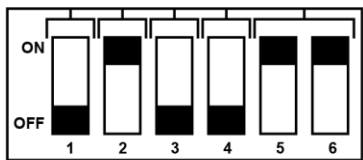


No more worrying about what rated fuse to install! The system will protect from 1.5 amps to 30 amps automatically. The Source^{SE} incorporates a failsafe self-healing fault protection system. Fuses have been eliminated (for all accessory outputs) and replaced with current-sensing MOSFETs controlled by a microprocessor. This is a great feature for low maintenance and troubleshooting.

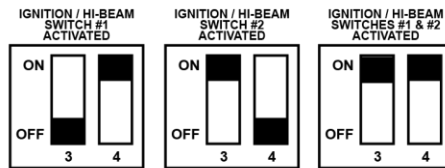
1. Attach your accessories here. SWx is the **Positive** and GND is the Negative terminals.
2. Positive battery terminal.
3. Negative battery terminal.
4. Ignition control inputs for switches 1 or 2 only.
5. Switch panel harness input (CAT-5 Ethernet). (TWO)
6. Bluetooth receptacle.
 - This is where you would plug in the Bluetooth module (purchased separately)
7. Fault protection devices, please do not touch or bend these.
8. DIP switch configurator. See below.
9. Reset fuse. Remove fuse for 10 seconds and replace for reset.

Whenever possible, keep your engine running when powering electrical accessories!

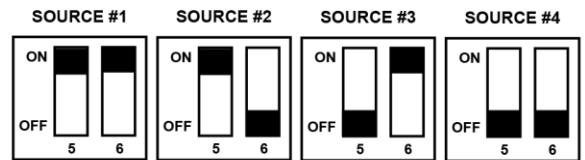
DIP SWITCH CONFIGURATOR



FACTORY DEFAULT SETTINGS



IGNITION/HI-BEAM CONTROLS FOR SWITCHES #1 AND #2



MULTIPLE SOURCE SELECT SETTINGS

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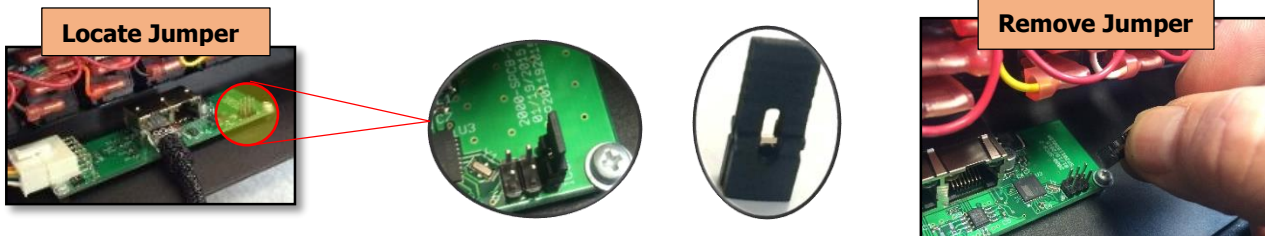


SWITCH PANEL FLASH AND STROBE FEATURES: Any or all of the 8 switches can be programmed for *Flash and Strobe* modes. By default, all switches are set in the steady ON mode (flash and strobe features disabled).

To enable these features, follow this sequence of steps:

Remove panel from windshield by removing two Phillip's head screws. Without unplugging control cable, lower panel to be able to have access behind it.

1) Locate and remove the Jumper (behind panel on the lower right side)

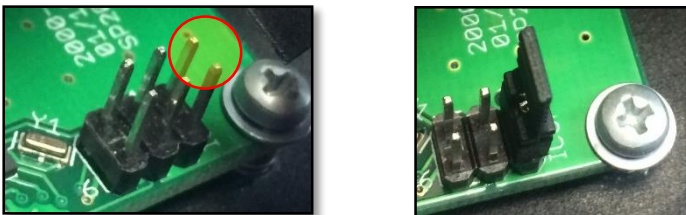


2) Decide which switch(es) that you want to enable the Flash and Strobe feature; Turn those switch(es) on (leave on)



PLEASE BE SURE TO ABIDE BY YOUR STATE LAWS WHEN USING FEATURES SUCH AS STROBE AND FLASH.

3) Put the Jumper back on the far right pins; Turn switch(es) off



4) Test the switch(es) that were enabled (see "How to Use Flash and Strobe Features" below)

5) Reinstall the switch panel using the two Phillip's head screws.

How to Use Flash and Strobe Features:

Starting in the **OFF** position:

Turn the switch **On** for **Steady** mode (normal operation)

Toggle the switch **On/Off/On** quickly to activate **Flash** mode

Toggle the switch **On/Off/On** quickly again to activate **Strobe** mode

Toggle the switch **On/Off/On** quickly again to set to **steady** on mode (normal operation)

To disable the flash and strobe features and reset to factory default, (with switches in the off position) remove the jumper and put it back on.

PILOT LIGHT ACTIVATION: To activate the pilot lights, push the power control button once for on and once more for off.



AFTER INSTALLATION, YOU MUST START THE ENGINE TO ACTIVATE THE SYSTEM!!