



Controller Installation Instructions

*Disconnect the battery

Remove your controller: Normally held on with two Philips head screws

- Follow wires and unplug: Some plastics will need to be removed to gain access

Route new controller wires on the same path your old controller was on

- Remove the one long screw on the bottom of the controller
- Bend the top half back as if there was a hinge on the back of the controller and then put it over the handlebars
- Install the top half of the clamp and use the provided screw to secure it in place. Screw the set screw into the top of this piece and snug it down, do not over tighten.
- Carefully push to halves together, they will snap together when they are lined up, do not force it. Make sure no wires get pinched during this step
- Reinstall the one long screw in the bottom
- Screw in the two small black flat head screws, one in front and one in back

Wiring: Never connect direct power to any button/switch! Always use a relay!

- Plug the connectors in: 6 pin connector to 6 pin connector
- **The orange and brown wire are connected to the yellow button.** I used this for my horn, make sure you use a wire harness with a relay! A 2 pin male connector is included for this. This can also be the reverse override button.
- **The blue and gray wire are connected to the black button.** I used this for my speaker system. Make sure you use a wire harness with a relay! This can also be the reverse override button.

Light Bar: You must use a standard light bar wire harness that has a relay!

- If your wire harness has a red, white and black wire: the red wire is not needed, securely tap it up and make sure it is very secure and cannot touch anything ever again. Attach the supplied quick connect wire ends to the black and white wire. Plug them into the corresponding connectors on the controller wire harness.
- If your wire harness has a white, blue and black wire: the white wire is not needed, securely tap it up and make sure it is very secure and cannot touch anything ever again. Attach the supplied quick connect wire ends to the blue and black wire. Then connect black to black and blue to white.
- ** The USB port will only work if the black wire is grounded. If you hooked up a light bar this is already done, if you do not have a light bar and want to use the USB port you need to ground this black wire.

Winch: You must use a wire harness that comes with your winch!

Brown is common, blue is "IN", black is "OUT"

- Cut off the universal switch and discard. Connect the supplied barrel connectors to these three wires.
- Wires from your winch wire harness should be red, green and black. Connect them to brown, black and blue (respectively) from your controller wire harness.
- If they are different colors use a multimeter to test for the wire that has 12V (you will need to reconnect your battery). Connect the wire with 12V to the brown wire from your controller wire harness. Then connect the black and blue, if your winch switch works backwards simply revers the black and blue wire.