

AutoSwitch[™]

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Thanks To Sean at
www.cyclegadgets.com
for BMW wiring/install info!

Model 4NB

Model 3P Available:
Uses a Positive Trigger

Turn Signal Cancel Button MODERN -BMW's

READ Through BEFORE Starting Please!

INSTRUCTIONS

This device is designed to control aftermarket auxiliary headlights. OEM plug-in lights can also be controlled but requires modification of that plug-in wiring system.

Thank you for ordering Autoswitch. The better smarter way to control your auxiliary lights on motorcycles, Cars, ATVs etc.

THE BASICS FOR BMW MODERN BIKES:

Red wire to 12volts after ignition switch, Orange wire to Turn Signal Cancel Button, Violet wire to your light relay COIL.. Black to ground. WIRING DIAGRAM ON REVERSE SIDE OF PAGE

WARNING! If Violet wire touches +12V your Autoswitch is RUINED and not warrantied.

DETAILED INFORMATION, GENERALIZED FOR VARIOUS BMW MOTORCYCLES:

1. If not previously installed, install your auxiliary lights per manufacturer instructions, including the relay they supply.
2. Autoswitch wiring :Learn where your main wire harness is located, Or find the required wires along the frame. In case you must remove the fuel tank , wait until you have it near empty for easier handling. Some bikes' wire harness can be accessed by removing tank bolts and sliding the tank back to expose connector blocks for easy work.
3. Use a VOLTMETER or Test Light. Locate a 12 volt wire that gets power when you turn on the ignition. This will be the Autoswitch main power. . Pull that wire a bit away from the rest of the bundle. Then use the included wire-snap clips to tap the RED Autoswitch wire to it. Close and snap together the connector housing using a pair of plyers. An A T C Fuse Tap can be used to plug in over a fuse instead. **NOTE! Be sure you used a wire which is NOT switched OFF during bike operation for any reason.**

WARNING! BE SURE You check your work. Check all connector blocks, wire harnesses and be sure nothing is left different than original. Autoswitch only taps into existing lines and does not affect any electrical circuits. Be sure all the new wires are properly tied with supplied tie-wraps and away from high heat sources.

4.For the R1100RT most connections can be made under in the fuse box under the seat. The turn signal control module is a 1x2" cube in the right rear of the box. Pull it up. Do not disconnect it. There are about 12 wires underneath. Pull away some harness sheath and select the brown wire with white stripes. Tap the orange wire from Autoswitch to it. Other R1100 bikes should be the same. But R1150 may have changed. Contact us for the latest info.

For the K1200LT the wiring is a little more complex. We recommend locating the Autoswitch under the seat where you can connect the red and black as directed on this sheet or diagram on reverse side.. Route the orange wire to the front of the bike and follow the brake hose leading to the right handlebar cluster. Remove the handlebar cover (2 Allen head 3mm from below) Find the largest wire bundle and tap into the brown wire with white stripes.

For other modern BMWs you can locate the turn signal cancel button by using an ohm meter to find ground continuity when the cancel button is pressed. Chances are it will be brown with white stripes again.

5. Now locate the auxiliary light relay. Take the wire or pin that was going to their supplied toggle switch and connect it to the Autoswitch VIOLET (PURPLE) wire. If their relay has a black ground wire, connect one of the black wires from Autoswitch to that. If not then ignore the extra black wire on Autoswitch. **WARNING! If Violet wire touches +12V your Autoswitch is RUINED and not warrantied.**

Continued on Reverse

6. Select the the last wire, BLACK from Autoswitch and connect it to chassis ground or the neg battery terminal. Now test Autoswitch for proper operation!

7. Take the thin LED cable and route along to a convenient location on the bike near your instrument pod or handlebars. The LED should point at your eyes for brightest light. Tie it down with a tie-wrap 1" down from the LED itself so you can adjust for best angle depending on your preference for night and day brightness. Tie the wire along securely and be sure the tank will not be pinching it when it is replaced! This LED can also be mounted in a small hole.

8. Now wrap up the wires you just connected for Autoswitch and tuck the Autoswitch into an out-of-the-way place and use the larger tie-wraps to secure it. **OR** find a flat spot and stick the housing to it after removing the high-adhesive tape backing.. Secure the wires with the small tie-wraps and cut off excess.

WARNING: Keep these wires away from heat, just as your wiring harness is protected, these wires' insulation will melt with high engine/exhaust heat.

HELP For help or questions please **use email. 7-Days! 7AM-11PM.** I will be glad to help! Now enjoy your new Autoswitch. Tell your friends about it. Give us feedback, good or bad!

OPERATION:

Push and HOLD the turn-signal-cancel button for an extended period, Over 1.2 seconds but less than 80 seconds to activate the driving lights relay ON or OFF. When canceling turn signals remember to touch and let go in less than 1 second.

IF VIOLET WIRE GETS +12V, THE CIRCUIT IS RUINED, NO WARRANTY

