Generic Motorcycle Launch / Shift Light with Autoshift Output

Wiring:

Red: +12V Key on Fused Power
Black: Ground, Battery Ground recommended
Green:Tach Signal (#1 ignition coil ground works well)
Blue: Switched ground clutch signal
Short Black with Female Crimp Connector: Autoshift Output, this is a ground when the shift light comes on.

Special Note regarding clutch signal:
Most Suzuki's don't allow you to start the engine without pulling in the clutch. Many other bikes will allow you to do this IF you are in neutral. This can be confusing on some bikes as they will ground the clutch wire if the bike is in neutral. If this is the case, it will put the BoostBySmith light in launch mode. All programming should be done as if you were riding the bike. Kickstand up, in gear, clutch in for launch programming and testing, clutch out for shift light programming and testing.

Did I wire it correctly?
If you turn the key on, and have the clutch pulled in, you should see the launch light flash for 1 second then go back off. The shift light doesn't flash, so if you have the clutch released, you shouldn't see the light come on with key on cycle (make sure bike is in gear if you can start your bike without pulling clutch in while in neutral.)

Launch Light Setup Instructions

***If your shift light is setup for autoshift output, make sure to disconnect the autoshift output wire from your airshifter prior to programming or you could damage the transmission. ***

To set # of cylinders: Set dip switch setting to desired # of cylinders, then hold down push buttons 1 & 2, then power the RPM switch up by turning the key on, continue to hold the buttons until the light flashes rapidly, now release the buttons, the setting will be flashed back to you for verification. *Note: Suzuki Hayabusa should be set to 2 cylinder mode for proper RPM settings. Most generic bikes using a coil ground signal will use coil on plug mode (dip switch 5) which will*

To set Launch RPM: Make sure key is on, Set dip switch setting to desired launch RPM, Pull clutch in, then hold down button 2 until it flashes rapidly, the setting will be flashed back to you for verification. This value is adjustable from 3,000 – 15,700 RPM in 100 RPM increments. *In order to see the launch light setting, you must pull the clutch lever in the entire time the settings are being flashed back. Put the bike in gear if your motorcycle allows you to start the engine without pulling the clutch in while in neutral.*

To set Launch Upper Window: Make sure key is on, Set dip switch setting to desired upper launch window (use the smaller 100-3000 RPM table), Pull clutch in, then hold down buttons 1 & 2 until it flashes rapidly, the setting will be flashed back to you for verification. This value is adjustable from 100-3,000 RPM and doesn't need to be changed when changing the actual launch RPM. For example, once you set the launch window to say 500 RPM, no matter what you set the launch RPM to, the upper window will always be 500 RPM higher than the launch RPM. Setting this value to 0 will allow the launch light to stay illuminated anytime you are over the rpm set point (same as shift light). *In order to see the launch window setting, you must pull the clutch lever in the entire time the settings are being displayed. Put the bike in gear if your motorcycle allows you to start the engine without pulling the clutch in while in neutral.*

To set Shift / Autoshift (optional) RPM: Make sure key is on, Set dip switch setting to desired Shift RPM, make sure clutch is released, then hold down button 1 until it flashes rapidly, the setting will be flashed back to you for verification. This value is adjustable from 3,000 – 15,700 RPM in 100 RPM increments. *Put the bike in gear if your motorcycle allows you to start the engine without pulling the clutch in while in neutral.*