Installation Instructions

Tools needed

Phillips screwdriver
Test light or voltmeter
Drill with #35 (.110 or 7/64") bit
Pliers
Electrical tape

Vehicle compatibility

The Flash2Pass™ transmitter is designed to work with most current model automobiles and light duty trucks as well as motorcycles*, snowmobiles or any vehicle with a 6 or 12-volt electrical system. Vehicles with the "flash to pass" feature allow the Flash2Pass™ transmitter to be operated anytime because power is continuously sent to the headlight high beam switch.

If your vehicle does not have the "flash to pass" feature, your headlights will have to be on to send power to the bright switch for Flash2Pass™ to operate.

*Harley-Davidson Motor Company is the exclusive licensee for motorcycles. Please see your local Harley-Davidson dealer for motorcycle compatibility.

Garage door/gate opener compatibility

The Flash2Pass™ receiver is compatible with most garage door/gate openers made since April 1982.

Wiring your Flash2Pass™ Receiver (Garage)

> Caution: Unplug the garage door opener from the outlet, or turn off the power at the fuse box/electrical panel. The parasitic electricity from the garage door opener to the lighted wall button powers the Flash2Pass™ receiver.

Remove the wall button from the wall and disconnect the two wires attached to the button. Carefully remove the backing plate of the Flash2Pass™ receiver and pull the wires through the large square cutout. Attach the Flash2Pass receiver's backing plate to the wall with the two screws supplied being careful not to pinch the wires or put a screw through them, and run them through the notch at the top of the plate. If the two low-voltage wires from the garage door opener come through a standard single-gang electrical junction box, align the screw holes of the backing plate to those of the box, and attach with your existing screws.

Some garage door opener buttons might have a multi-function switch incorporated into the unit. If you wish to keep these other functions (i.e. separate light switch, lock), attach "jumper" wires (not included) from the Flash2Pass™ receiver to the multi-function units positive terminal for the garage door opener, and to the units ground terminal. If you do not use the other functions, or you want to discontinue the use of the other functions, remove the old unit, determine which wire is the common ground, and which of the other three controls the garage door opener. Attach these two wires (ground and garage door positive) to the Flash2Pass™ receiver as described below and separately wrap the other two wires with electrical tape, and twist them out of the way.

Connect the two wires from the garage door opener (one each) to the screws at the back of the Flash2Pass™ receiver. No need to worry about positive or negative polarity, the device determines this automatically. Snap the receiver to the backing plate on the wall. Plug the garage door opener back in or turn on the power. The LED on the face of the Flash2Pass™ receiver should flash steadily, indicating the system is operating properly.

If the LED does not flash, this could indicate that there is no power in the wires coming from the garage door opener motor. Make sure you plugged the garage door opener back in or turned the power back on. If the power is back on, and your old button was not lit, you will need to purchase a Flash2Pass™ AC adapter, Part No. 101301 from your Flash2Pass™ dealer or order it directly from the factory. It simply plugs into the bottom of the receiver and a standard wall outlet.

Wiring your Flash2Pass™ Transmitter (Vehicle)

The Flash2Pass™ transmitter operates on your vehicles 12-volt electrical system. Under the hood of your vehicle, locate a suitable mounting location for the Flash2Pass™ transmitter where it will not be exposed to direct splashing water. Flash2Pass™ should be mounted as close to the front of the engine compartment to maximize transmission range of the radio signal. It must be located in close proximity (18") of the headlight wires. An ideal location in many vehicles is on the top or side of a wheel well.

Prior to mounting Flash2Pass™, complete the wiring connections. First, you need to locate the headlight high beam wire. The high beam lead will be attached to the back of the headlight via a plug with two or three wires coming from it. Unplug the headlight and attach the test light to a ground on the chassis of the vehicle. Turn on the headlights (you may have to turn the ignition key to the "on" position). With the low beams on, check to see which of the receptacles has power. Make a note of it, and which one's did not have power. Now turn on the high beams. Again check to see which receptacle lights the test light and which do not. You now know which receptacles are the low beam, the high beam, and the ground (the ground did not light on either the low beam or high beam). Trace the high beam wire and the ground wire back to a convenient location in the engine compartment.

After you have located the proper wires, use the quick connectors to attach the Flash2Pass™ wires to the vehicles high beam headlight wires. Place one of the Flash2Pass™' wires in the back groove of the quick connector, butting it up against the plastic stop. Once again, you need not be concerned with polarity. Place the vehicles high beam wire in the front groove of the connector.

With the wires in the proper position, close the connector making sure the lock tab securely snaps into place. Use a pair of pliers to fully secure the connector in the closed position. Repeat the same procedure using the vehicles ground wire and the Flash2Pass™' other wire.

After connections are completed, test your Flash2Pass™ for proper operation before completing the installation. See Testing/Operating Flash2Pass™ section of the instructions. With Flash2Pass™ properly operating, complete the installation by mounting the unit.

Testing /Operating Flash2Pass™

To operate your garage door opener, click or flash your bright light control, pause a second and click again. Each click should be about one second in duration with a one second pause between the two clicks. Releasing the switch after the second click or flash sends a signal to the garage door opener causing it to open or close the garage door. If Flash2Pass™ does not operate, follow the directions in the Troubleshooting section of these instructions.

Mounting your Flash2Pass™ Transmitter

With your Flash2Pass™ operating properly, fasten the transmitter in place with the two sheet metal screws provided. Carefully drill pilot holes with a #35 (.110 or 7/64") drill bit making sure that the bit does not drill into any other component, wire, hose, tank, etc. Make sure Flash2Pass™ is mounted in a location where it will no be exposed to direct splashing of water, debris, etc. With Flash2Pass™ mounted, carefully wrap electrical tape over both of the connectors to properly seal them from moisture.

Troubleshooting

If the garage door opener does not operate:
- Make sure your vehicle has the "flash to pass" feature by clicking or flashing your high beams with the headlights off (your ignition switch may have to be in the "on" position). If your high beams do not turn on, turn on your headlights and then try clicking or flashing your high beam switch.
- Make sure the power is on to the garage door opener. If the old button was not lit, purchase the optional AC adapter Part No. 101301 to power the receiver.
- Check the garage door opener for operation with the original transmitter or the wall button on the Flash2Pass™ receiver.
- Move the vehicle closer to the door and try operating the Flash2Pass™ again.
- Recheck the wire connections from Flash2Pass™ to the bright light wires to ensure a positive contact.

If Flash2Pass™ still does not operate, call F2P Electronics' Toll-Free Help Line at (866) 249-7427 to get assistance from an F2P Electronics technician.

Programming New or Multiple Transmitters

Your Flash2Pass™ receiver can accommodate up to seven transmitters. Before a new transmitter can be used with the system, the receiver must "learn" the new transmitters code. To enter the "learn" mode, locate the small hole in the receiver cover located between the LED light and the push button. Gently push a paper clip through the hole, which will depress a hidden switch. When the hidden switch is pressed, the LED will stop flashing and turn on continuously. Keep pressure on the internal switch until the LED goes off*. (Approximately 3 seconds) When the LED turns off, remove the paperclip.

Activate the new transmitter as described in the Testing/Operating Flash2Pass™ section, within 30 seconds. When the LED begins flashing again, test the new transmitter. All other transmitters are still programmed. In the event a transmitter is lost or stolen, a receiver "total erase" should be done.

*To erase all transmitter codes from the receiver, continue pressing the push button until the LED flashes briefly. All learned transmitter codes have been erased including the lost or stolen transmitter code. The remaining/new transmitter(s) have to be re-learned.

Warning: Be sure that garage door is always in sight before operating opener. Never let children operate Flash2Pass™

Caution: Any changes or modifications in intentional or unintentional radiators that are not expressly approved by F2P Electronics, Inc. could void the user's authority to operate this equipment. This applies to intentional or unintentional radiators certified per part 15 of the FCC rules and regulations.

The term "IC:" before the radio certification number only signifies that Industry of Canada technical specifications were met.

F2P Electronics, Inc. • 200 West Twelfth Street • Waynesboro, VA 22980 • (866) 249-7427 • www.f2pelectronics.com