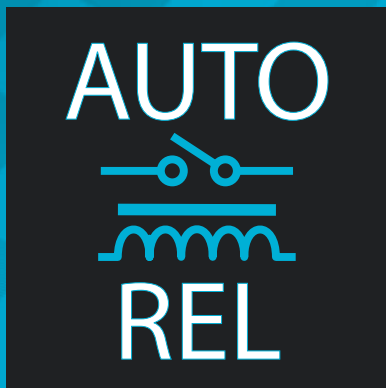


AUTO-REL™

Wireless OBD2 Relay



Instruction Booklet

v1.0



Thank you for purchasing the **Auto-Rel™** wireless OBD2 relay. This guide is intended to help install and set up your wireless relay to work in tandem with the recommended wireless OBD-II adapters. Once everything is set up, the relay will operate without further intervention or need for the app. If you have any questions, feel free to ask for help by e-mailing:

customerservice@fastlaneinnovations.com

At Fast Lane Innovations, we're committed to providing innovative products to help you get the most out of your vehicle and driving, and strive to continuously improve these products.

Android App



Apple iOS App



Please read and follow all instructions. Failure to do so can void the warranty, cause damage to the device, damage your vehicle or other property, and/or result in personal injury.

This device is intended only for use in motor vehicles.

Safety and Precautions

Disconnect your negative battery cable prior to beginning.

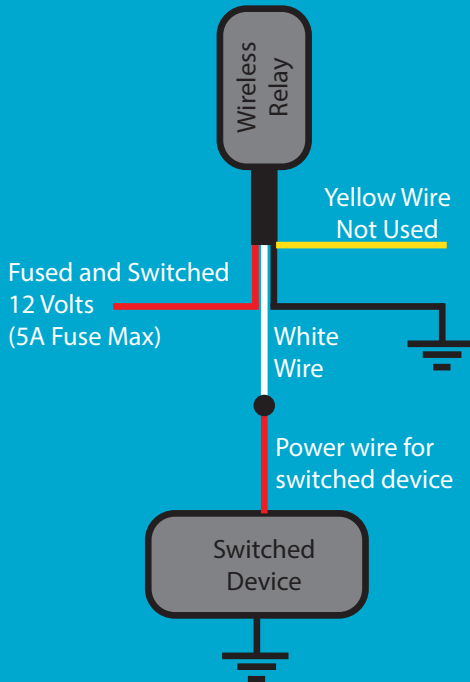
Double-check all connections prior to turning on power to the unit.

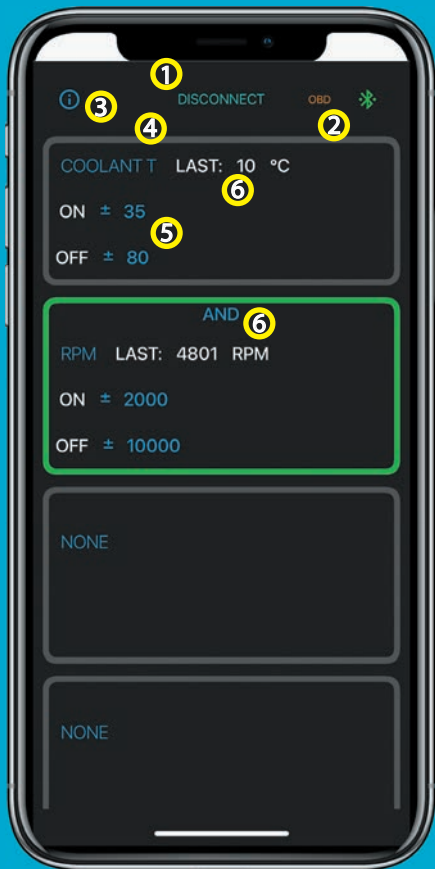
CAUTION - Wear safety glasses while installing the unit.

NOTICE - An 8 Amp fuse is recommended on the connection to switched 12V source to prevent damage or fire in case of a short or malfunction – install close to power source. Using a switched source will eliminate battery drain, but is not required. The relay module should draw <30mA current when the contacts are not energized, but a connection will likely also be maintained with the wireless OBD-II module keeping it from entering any standby modes (which may or may not reduce the adapter current draw).

WARNING - When setting the RPM switch settings, the relay may be turned on or off unexpectedly. It's best to disconnect the device the relay controls when changing the settings - or at least ensure that if the relay turns on or off unexpectedly that no damage or harm can be caused.

WIRING DIAGRAM





MAIN SCREEN STATUS

- 1 Connect/Disconnect app to relay
- 2 OBD orange indicates that the relay has connected to the OBD-II adapter.
- 3 Open info and settings screen
- 4 Select the PID, up to 4 can be selected (one per rectangle).
- 5 Set the desired ON and OFF settings, ON must be lower. Relay will be on between these settings.
- 6 "LAST" indicates real-time data when the app is connected to the relay
- 7 "AND" can be switched to "OR" to decide if either or both conditions must be true. If any condition set to OR is true, the relay will turn on. Otherwise, all other AND conditions must be simultaneously true.

The condition rectangle will be outlined in green if it is true.

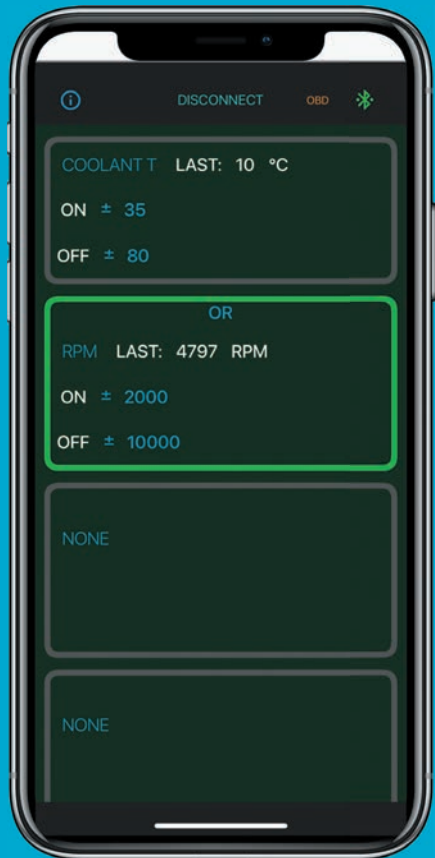
RELAY STATUS

In this image, the first condition is false, and the second condition is true. Note the "OR" setting for the second condition. The change in background color to dark green indicates that the relay is now on, because one of the OR conditions is true.

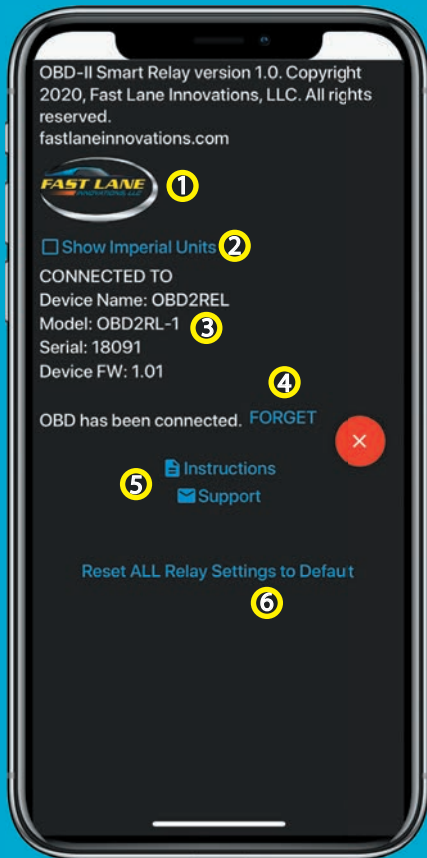
If the second condition was set to AND (like the previous page), the screen background would be gray and the relay would be off because only one of the 2 AND conditions is true.

If any condition set to OR is true, the relay will turn on. Condition 1 will be an AND if there are any other AND conditions set.

Testing and familiarizing yourself with how these operate is recommended prior to connecting your device to be switched to the relay.



INFO & MORE SETTINGS



- 1** Logo links to website.
- 2** Switch between metric and imperial units.
- 3** Relay module information.
- 4** The relay module remembers the first OBD-II adapter it connects to, and only connects to it in the future. Press "FORGET" and turn the relay off and on again to connect to a different adapter.
- 5** Get information and support.
- 6** Set all settings to factory default. Requires powering-off and back on to take effect.

GENERAL SPECIFICATIONS

| | |
|---|-----------------------------|
| Nominal input voltage | 12V |
| Maximum input voltage | 16V |
| Output voltage | Same as input |
| Maximum sustained load current (@ 70C air temperature) | 3A |
| Recommended fuse | 5A max* |
| Operating temperature range | -40 to 70C (non-condensing) |
| Approximate response time | 100ms per OBD PID** |

* Ensure that the circuit providing power to this device can supply at least 5A

** Each PID requires time for the OBD2 module to obtain and transmit. The timing will vary depending on the vehicle and OBD2 module. The AUTO-REL wireless relay should not be used in applications where timing is critical due to this and in case of communication loss.

OTHER INFORMATION

If communication is lost between the OBD2 module and the AUTO-REL wireless OBD2 relay, the relay will turn off after a brief time (approximately 2 seconds). Reconnection will be attempted and then normal operation will resume if connection is successful.

Only 1 device can normally connect to the wireless OBD2 modules at a time. If you have other devices or apps using a wireless OBD2 module, a splitter may be needed, and this may or may not enable multiple devices to work at the same time. The AUTO-REL relay will remember the first OBD2 adapter it connects to, and will only connect to that adapter in the future unless this is reset using the mobile app.

FCC Notice

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.
- * Increase the separation between the equipment and receiver.
- * Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- * Consult the dealer or an experienced radio/TV technician for help.

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

This device contains FCC ID: HSW2832

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference and**
- (2) This device must accept any interference received, including interference that may cause undesired operation.**

