

# IdleRight2 by Havis Idle Reduction System

## Frequently Asked Questions



**Q:** What is the IdleRight2 Warranty?

**A:** The Havis Standard Warranty for IdleRight 2 is three (3) years.

**Q:** Are there Remote Starters that do the same thing as an IdleRight2?

**A:** Some Remote Starters have the ability to start the engine based on a low voltage setting. However, it will require the key fob buttons to be pressed 7 times in a certain sequence to activate that function, and every time the door locks are opened to enter the vehicle, the sequence must be repeated to re-activate that function.

**Q:** Why do my door locks automatically lock when the IdleRight2 shuts off?

**A:** You must have the program changed by your Remote Start installer to disable the factory alarm system re-arms.

**Q:** What types of warning lights are recommended to engage IdleRight2?

**A:** We recommend LED lights to be used with this product. They have the lowest power consumption in the warning light industry which will help extend the non-running time of the engine for the best economy. This will offer the greatest fuel savings.

**Q:** What make and model vehicle will the IdleRight2 work with?

**A:** It will work with any vehicle that the Havis recommended Remote Starter systems will work with. You must consult your local Remote Starter dealer for applications.

**Q:** Will the IdleRight2 work with factory installed Remote Starter systems?

**A:** Currently Havis has no information available to tie into these systems. Most OEM systems are controlled through the vehicles computer systems.

**Q:** What keeps the engine from starting if someone is performing maintenance on the vehicle?

**A:** There are safety features built into the Remote Starter units:

- There is a disable switch provided with the Remote Starter unit that is installed under the dash.
- There is a pin switch or mercury switch installed under the hood, which will stop the Remote Starter from engaging when the hood is open.
- IdleRight2 will not be operational if the warning light or enabling device it's connected to is not turned on.

**Q:** What diagnostics are available on the IdleRight2?

**A:** The IdleRight2 has a tri-color LED that is visible from the outside of the unit. This LED is used for displaying the state of operation when the MODE switch is in the RUN position.

<b>OFF</b>	IdleRight2 is not active.
<b>GREEN (solid)</b>	Vehicle engine is off and IdleRight2 is monitoring battery voltage.
<b>GREEN (blinking)</b>	Vehicle engine is running and IdleRight2 is monitoring battery voltage.
<b>RED (solid)</b>	<b>RUN mode:</b> IdleRight2 has triggered Remote Starter, but vehicle engine is not running. LED will remain solid red until vehicle engine is running.
	<b>HRS mode:</b> Indicates the end of statistics check.

**Q:** How do I get the information from IdleRight2 on the number of idle hours saved?

**A:** When the MODE switch in the HRS position, the LED is used to output the idle hours saved statistics. Since this is a single LED display, the hours are output by sending the least significant digit first followed by the remaining digits. Each press of the PUSH BUTTON switch will send a series of RED blinks followed by a GREEN to define each digit of the hours summary. Please refer to the IdleRight 2 Instruction Manual, or [www.idleright.com](http://www.idleright.com) for more details.



## Installation

**Q:** Is IdleRight 2 difficult to install?

**A:** No. The unit has only 4 wire connections and simply requires a customer supplied/installed Remote Starter with a negative or positive pulse Activation Input.

- 12 Volt Battery Positive
- 12 Volt Negative Ground
- IdleRight 2 activation wire connecting to switch output of (warning light, etc.)
- Remote Start activation input wire.

*Recommended Remote Starter models can be found at [IdleRight.com](http://IdleRight.com)*

**Q:** How long will it take me to install IdleRight 2?

**A:** Length of installation is based entirely on skill level and access for wiring and mounting. *(Base line 1 hour)*

**Q:** How high of an Amperage draw is suggested when IdleRight2 is in operation?

**A:** Havis recommends keeping the Amp draw to the minimum by not running unneeded accessories. The alternator must be able to recharge the battery in a short period of time, so if your vehicle is drawing more than it's putting back into the battery, the purpose of the IdleRight2 is defeated. We recommend using the minimum amount of warning lights in order to be safe. Air conditioning or heater systems are not recommended to be running while Idleright2 is in use.

**Q:** What wire size is recommended?

**A:** IdleRight 2 requires no more than 16 gauge wire, the Havis recommendation is 16 or 18 gauge wire. There is not a great amp draw associated with the unit so there is no need for heavy gauge wire.

**Q:** Where do I mount and IdleRight 2 in my vehicle?

**A:** It should be mounted inside the vehicle *(i.e. under the dash, trunk, on side of console)*. IdleRight 2 is not to be mounted in the engine compartment or in a location susceptible to wetness.

**Q:** Is there an interface required to install the IdleRight 2?

**A:** No interface is required for this product. The Remote Starter provider may require using one to install the Remote Starter into your vehicle.

## Operation

**Q:** How difficult is it to set the switches for IdleRight 2 operation?

**A:** The IdleRight 2 has the following three separate switches:

- MODE switch (OFF, RUN, HRS)
- SELECT switch (three small slides) – Set one time to match the Remote Starter installed on the vehicle.
- PUSH BUTTON switch – This is used to test the unit and to output the Idle Hours Saved

*To setup the unit, verify the SELECT switch matches the Remote Starter and slide the MODE switch to RUN.*

**Q:** How long will the vehicle run on the IdleRight 2?

**A:** The Remote Starter controls the engine run time. It is recommended to be set by the installer of the Remote Starter to a 24 minute run time *(factory default is normally 12 minutes)*.

**Q:** Will IdleRight 2 start the vehicle by temperature settings?

**A:** No. IdleRight 2 does not have this feature.

**Q:** Will I still be able to use the Remote Starter as a Remote Starter with IdleRight 2 installed?

**A:** Yes. Your Remote Starter will still function as intended. The IdleRight 2 is activating the Remote Starter to start and stop the engine to conserve fuel, wear and tear, and lessen pollutants caused by engines running needlessly to run warning lights.

**Q:** If the engine doesn't start the first time the IdleRight 2 engages, will it try to start it again?

**A:** Once IdleRight 2 activates the Remote Starter unit, the Remote Starter unit will try to start the engine three (3) times. This is built into the Remote Starter unit as a standard feature.

**Q:** The battery is going dead on my vehicle. Could it be that the IdleRight 2 is draining the battery?

**A:** (1) The Idleright 2 module only draws 10 milliamps, it would take many days to discharge a good battery. Make sure that nothing was left on that is not controlled through the ignition switch *(i.e. dome light, two way radio, and other equipment added to the vehicle)*. If you do absolutely confirm that nothing was left on, contact the installer of the remote start system so they can check wiring and devices.

(2) When an operating Idleright 2 senses low voltage and triggers the Remote Starter, the vehicle is only running for the recommended 24 minutes before shutting off again. If accessories such as air conditioning or heat blowers are on and are drawing a lot of amperage, the vehicle may not be able to recharge the battery properly. Turn off high amperage accessories.