

DIGITAL Guard Dawg™

PERSONAL RECOGNITION SYSTEM



Owners Manual Installation Guide

Congratulations on your purchase of the new Digital Guard Dawg™ Personal Recognition System.

Digital Guard Dawg™ is proudly manufactured to the highest quality standards by people who really care. We use only premium materials and electronic components to ensure you a product of excellent performance and superior life.

We hope you enjoy a genuine sense of security from owning the Digital Guard Dawg™.

Many Thanks,

"The Dawg House Gang"



"The Dawg House Gang"

*RFID (Radio Frequency Identification Device)
Motion Activated - Fully Passive Operation
Over 6 Billion unique codes. Similar to
Personal Recognition Systems found
on Corvette's and Mercedes.*

Getting to know "The Guard Dawg"

Do you ever wish you had your own personal guard dog to protect your motorcycle whenever you weren't there? With the new Digital Guard Dawg™, Personal Recognition System™, Now you do!

"The Guard Dawg" delivers a level of convenience and protection previously unavailable from any other motorcycle security product.

*Simply carry one of the systems' "Dawg Tags™" in a pocket or on your key ring. then, "Just Walk Away" Digital Guard Dawg™ automatically arms and immobilizes your bikes starting system, protecting it from potential thieves. When you return to within 10' feet, Digital Guard Dawg™ recognizes the unique identification code transmitted by your Dawg Tag™ and automatically disarms. **It's just that easy, Your bike only starts when you're there!***



"Dawg Tag"™



The digital "Dawg Tag"™ begins Hands-free communication with the Smart Relay when the rider approaches within 10' feet of the motorcycle.

**No Buttons to push, No Keys to find,
No Codes to try and remember.**

Just get on and ride!

System Components

Your Kit Includes:

- 1 Dawg Tag™
- 1 Smart Relay
- 1 "U" Connector for battery wire
- 1 Ground ring
- 2 Butt Connectors

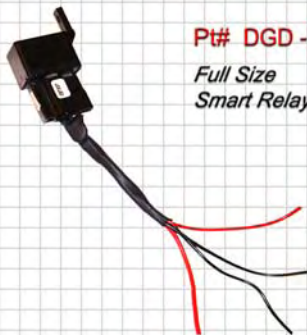


RFID - "Dawg Tag"™

Radio Frequency Identification Device

Over 6 Billion unique Codes

Smart Relay



Pt# DGD - M1

*Full Size
Smart Relay & Harness*



With over 300 components inside, Digital Guard Dawg's™ revolutionary design uses advanced micro-electronic circuitry to provide a complete "Hands-Free" security system.

Tools you may need

To remove the seat or side panel of your motorcycle you may need a screwdriver. The only actual tools needed for the installation of Digital Guard Dawg™ is a **Test light** to locate the start button wire, a pair of **wire crimper / strippers** to strip and attach the "U" connector and a **box wrench** to connect it to your battery +12 terminal.



"U" Connector

*Attaches to relay power wire
and motorcycle battery terminal*



Getting Started

A few things to do before starting.

1. - Read the installation instructions once through completely before beginning. Being familiar with the system components, their functions and the installation process will speed your actual install.
2. - **Start your bike and make sure it has a good strong battery;** an old or weak battery will begin to show difficulty when new electronics are added to your motorcycle. If your battery is weak, replace or fully charge it before beginning your installation.
3. - Begin with your Ignition switch turned OFF and the key removed.

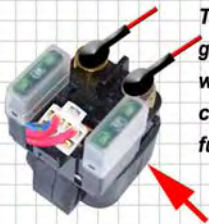
STEP 1

Plan your install

Determining where you will be making your connections, running your wiring and mounting the Digital Guard Dawg Smart Relay should be decided beforehand.

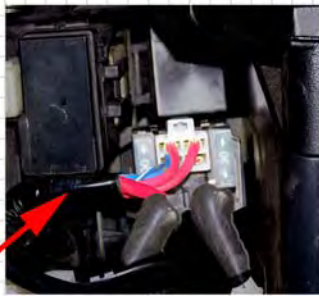
During the installation you will cut and splice into the bikes "**Start Button Wire**". The Start Button wire runs from the button on the handle bars to the bikes existing **Start Relay / Solenoid**. Begin by locating this wire and your existing Start Relay / Solenoid. Your owners manual or shop manual will usually indicate the color and location for these.

The Start Relay / Solenoid is typically found under the seat or behind a side panel, It will look similar to the pictures below.



The Start Relay / Solenoid generally has 2 Large 12 gauge wires attached to it, a 4 wire connector plugged into it and fuses on either side.

Start Relay / Solenoid

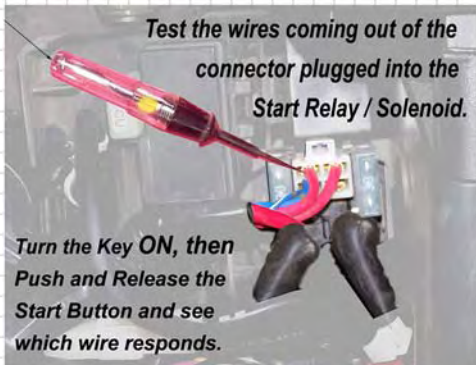


STEP 2

Test the Start Button Wire

Once you have located the **Start Relay / Solenoid**, confirm the Start Button wire by using your test light.

When the Test light turns ON and OFF in sequence with you're pushing the Start Button you have found the right wire!

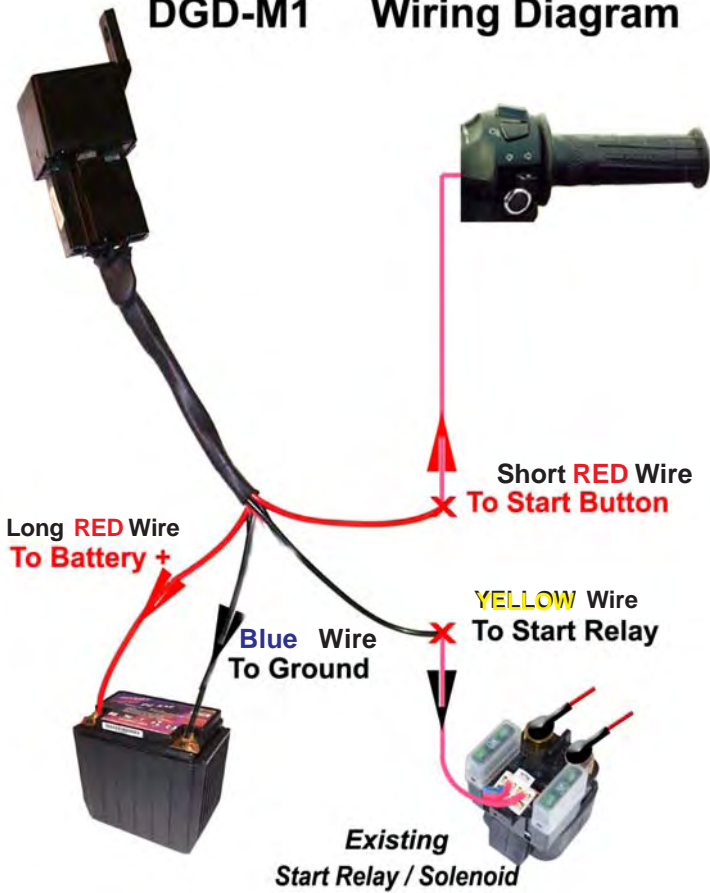


STEP 3

Mount the Smart Relay before making your connections

Before making your connections, find a location to securely mount the Smart Relay. Look for a location that is somewhat protected and not easily noticed. Usually a spot near the current Start Relay / Solenoid is good. The location should also have easy access to the Battery or other +12 volt source and Ground. Use the mounting ear bracket on the Digital Guard Dawg Smart Relay to zip-tie or bolt to the bikes frame.

DGD-M1 Wiring Diagram

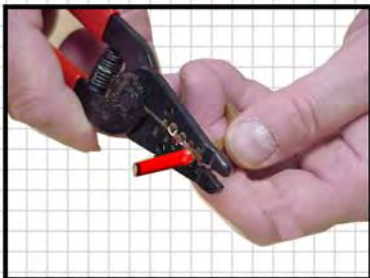


STEP 4

Make your Start Wire Connections

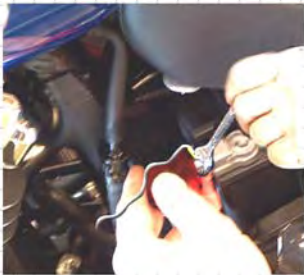
Begin by making the Start Button wire connections. Cut the Start Button wire to length and strip back 3/8 inch of insulation from both ends. **You can re-confirm you have the correct wire at this time by trying to start the bike. Once this wire is cut the bike should not even crank!**

Using the butt connectors provided, attach the **SHORT RED Wire** to the side of the cut wire coming from the Start Button and the **YELLOW Wire** to the side of the cut wire leading to the Start Relay. Make sure your wire is completely inserted into the connector and your crimps are tight.



STEP 5

Make your 12 volt and Ground Connections



Attach the **Long RED Wire**, either directly to the positive side of the Battery or to any **constant +12 volt source**. Lastly, Attach the **BLUE Wire** to an existing Ground Lug on the bike or directly to the negative side of the battery.

Testing the System

Follow the directions below **exactly** as explained to fully test the operation of your new Digital Guard Dawg™ system.

Pre-Test

A- Depress the label on the face of the “Dawg Tag™” until the LED light comes **ON**.

B- Next, attempt to start your bike as you normally do. Your bike **SHOULD START**.

If it doesn't start see "Trouble shooting" section "B"



Final Testing

A- Walk 30' feet + away from your bike and set the “Dawg Tag™” down.

B- Wait 30 seconds for the system to arm.

Don't start counting until after you have set the Dawg Tag™ down.

C- After 30 seconds has past, without touching the Dawg Tag in anyway, try to start your bike as you normally do. Your bike **SHOULD NOT START**. Next, turn your key off and remove it. **If it starts see "Trouble shooting" section "C"*

D- Finally, walk over and pick up the Dawg Tag. Don't push on the Label, simply place it in your pocket, then walk back to your bike and try to start as you normally would. Your walking motion should activate the system. If everything is correctly installed, your bike **WILL START!** . . . **But only because YOU'RE there!**

** If anything doesn't work as described see "Trouble shooting" section "A"*

E- Checking your system's range: Walk 30'+ feet away from your bike with the Dawg Tag™ in your hand, wait 30 seconds then have someone continually depress your start button. As you walk up to your bike, slightly rock the Dawg Tag side to side. Notice at what range your bike starts. (*typically range is 10' ft. or so*). If after testing you feel you would like to further fine tune your system range up or down, instructions can be found on the “Installation” page at www.digitalguarddawg.com

OK, Great Job! Now, take a quick read through "Using the System" Then go enjoy yourself knowing anytime you're away from your bike, your loyal friend "The Dawg" is on guard.

Using the System

Day to Day Operation

One of the most desirable benefits of the Digital Guard Dawg™ system is its effortless, hands-free ease of operation. By simply keeping the Dawg Tag™ with you, all security functions of Arming and Disarming your system are completely automatic. Without doing anything, your bike's protected every time you walk away.

How it Works

The area around your bike (approximately 10 feet) is monitored for the presence of your Dawg Tag™, (One of over 6 billion unique codes). The system Arms 30 seconds after your Dawg Tag™ leaves the monitored area around your bike and Disarms again when the Dawg Tag returns. *** **Important Note:** The Dawg Tag in "Motion Activated" and begins trying to communicate with the "Smart Relay" only when it detects movement, (*such as when you are walking towards your bike*). If the Dawg Tag™ remains completely motionless for over two minutes, it will stop trying to communicate with the "Smart Relay" until it detects movement again, even if it is within the monitored area. **Example;** if you set your Dawg Tag™ down on the ground next to your bike and it remained motionless for over two minutes the system will arm even though the Dawg Tag™ is within the monitored area.

Trouble Shooting

A- Since all relays and tags are fully tested prior to shipping, The only variables of installation are: (1) Good connections at each connection point. (2) Battery voltage
Review each variable and re-test each step.

If you are still having difficulties call Technical Support at (916) 337-1040 / Mon -Sat 9am-5pm pst.

B- If you test started your engine and checked your battery before you began and your motorcycle doesn't start at this point; you have a bad connection at either the Power wire, or one of the other crimp connections. Go back and check that all your crimps are tight. Then Re-test.

C- If your motorcycle starts at this point, Repeat the test one more time and confirm your results, make sure to wait the full 30 seconds after you set the Dawg Tag™ down to allow it time to re-arm.

FAQ's

Is my Dawg Tag™ supposed to Rattle?

Don't worry, nothing is broke. The noise you hear when you shake your Dawg Tag™ is just the motion sensor.

Do I ever have to replace the battery in my Dawg Tag™?

*Your Dawg Tag™ contains a lithium battery designed for operational life of 1 to 3 years depending on use. Battery status can be tested by pressing the hidden button and observing the LED. **If the LED lights up solid your battery is Good if the LED flashes, flickers or fails to light up, the battery is "Weak" and should be replaced.** The battery is a CR 2450 Lithium cell and can be purchased at most drug or electronic stores, Radio Shack™ etc.*

To replace your battery, just remove the two screws in the back of your Dawg Tag™ and exchange the battery, making sure to put it in with the same side up, and screw the case back together.



What happens if I lose my Dawg Tag™?

No problem, we can start you right over the phone, just like magic! Put this phone number in your wallet and call our Service Hotline 916-337-1040 if you ever need assistance.

What if I have difficulty starting my bike?

*Should you ever experience momentary difficulty in starting your motorcycle, Don't Panic. This is caused by one of two reasons and is easily solved. Momentary difficulty starting your motorcycle may be caused by interference from outside radio signals (random RF) much like interference you occasionally get on your cell phone. This can occur if you are parked near a powerful commercial radio tower or near high power radio equipment such as in police or other emergency vehicles. These random RF transmissions can interfere with Digital Guard Dawg's™ automatic disarm signal and prevent you from immediately starting. The second reason you could experience difficulty is a weak battery in your Dawg Tag-. **Either of these conditions is easily solved by simply boosting the Dawg's disarm signal.***

To boost your disarm signal, simply push the hidden button located behind the label on your Dawg Tag™ as shown. The LED above the button will light up and you will instantly be able start your motorcycle.

Can I get additional Dawg Tags™?

*You can always add additional Dawg Tags™ to your system or get a second Smart Relay for an additional motorcycle and cross program them all to work together. Just call **Customer Service at 916-337-1040***

Will my insurance company give me a discount?

Digital Guard Dawg™ is a "Passive Starter Interrupt System", the most advanced on the market. Many insurance companies give discounts up to 25% off comprehensive coverage for a system of this type. Check with your individual insurer for specific discount information.



DIGITAL Guard Dawg INC.

24988 Blue Ravine Rd Buildings 108-129 Folsom, CA 95630
ph 916.337.1040 fax 800.383.1950 www.digitalguarddawg.com

Warranty

Digital Guard Dawg Inc. warrants this system against manufacturing defects and workmanship for one full year from the date of purchase. This warranty is limited to the original purchaser of the security system. Proof of purchase is required. The installed motorcycle must be registered with the State Department of Motor Vehicles.

We are not in any way a representative of any motorcycle manufacturer. All words used on our materials denoting any manufacturer, models or motorcycle are intended for use as reference only. We are not an authorized Harley® dealer or in no way do we have, or intend to imply any kind of business relationship with Harley-Davidson Motor Company®. All trademarks, registered trademarks and brand names used herein are the property of their respective holders. Digital Guard Dawg™, Dawg Tag™ and Personal Recognition Systems™ are trademarks of Digital Guard Dawg Inc.

"This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received, including interference that may cause undesired operation" Caution: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.