

SCIBORG®



SPEED-LOCK SYSTEM
OPERATION & INSTALL GUIDE



PRECAUTIONS & SAFETY

⚠ OPERATION. Use of the SL70VG outside its intended purpose, as described in this documentation, could result in damage to the vehicle or surrounding property, or cause serious injury or even death. As the installer of this security system, it is your responsibility to ensure that the vehicle owner is properly informed of all the details of your installation which are pertinent to safety.

⚠ SAFETY POINTS TO ABIDE BY:

1. Never start the vehicle's engine in enclosed spaces that lack adequate ventilation. Extended exposure to carbon monoxide exhaust fumes can result in death!
2. Do not disconnect the vehicle's battery, as it could cause serious problems with airbag systems, anti-theft radios or vehicle diagnostics. If you absolutely must disconnect the vehicle's battery, first disconnect the main power wire of the SL70VG and then disconnect the vehicle's battery.
3. Do not proceed with installing this system in vehicles that do not have a 12-volt electrical system. This system will not function in 24-volt trucks, and any damage resulting from such installation shall be the sole responsibility of the installer.
4. Do not install the SL70VG in or near water, or in a location where water could gather. The SL70VG is not waterproof and an electrical short could occur if water gets inside.
5. Do not install the SL70VG in an environment of intense condensing humidity or steam, in an area with an unusually large number of airborne particles, or any place where oil could build up inside the control module case. All of these extreme environments could lead to an electrical short and possible cause a fire.
6. Avoid installing the SL70VG near sources of intense RF transmissions which could possibly interfere with the operation of the system. If you find the system is randomly working and not working, consider relocating the unit.



INSTALLATION TIPS

Steps Toward a Professional Installation:

- Ensure all electrical contacts cannot easily break by tugging on the wires. We highly recommend the use of optional PosiTap brand connectors for your connections. Do not use solder unless you are experienced with it, and test your connections, then securely cover with electrical tape, heat shrink tubing and/or corrugated tubing.
- Use only a DMM (digital multi-meter) to test leads or take voltage readings. Do not use “test lights” or “logic probes” (“computer-safe test lights” included) because they draw a large amount of electrical current that could overload and destroy sensitive circuitry in the vehicle.
- Manually turn off all lights (such as the dome light) that illuminate when a hatch is opened so you will not run down the battery. If you cannot manually turn off all the lights, then remove the appropriate fuses and don’t forget to replace the fuses after your installation is complete.
- Roll down a window to avoid locking the keys in the car.
- If you need a constant +12 volt power source under the dash, splice off the wire leading to pin-16 (POWER) at back of the vehicle’s OBD plug. OBD pin-16 supplies a constant +12V at up to 7A. Alternatively, run a thick fused wire directly to the vehicle’s battery in the engine compartment.
- When running extension wire, always use a wire gauge that is as big or bigger than the wire you are extending.

Car Battery Tips:

- Modern car batteries don’t last long. You can expect 2~3 years of usable life. Car batteries deteriorate even when not used. A bad battery can show sudden voltage drops which can cause product malfunction.
- Always verify your car battery is good when troubleshooting the SL70VG before returning the product to KIRAMEK.

OPERATION

- Doors auto-lock when vehicle speed reaches 20km/h (12.4mph).  → 
- Putting the gear back into the “P” Park position automatically unlocks the doors.  → 
- Very sudden and hard braking (such as to avoid an accident) causes doors to unlock 9 seconds later if and only if your vehicle has completely stopped. Doors will not unlock if your vehicle is still moving.  +  → 
- If someone unlocks the doors while the vehicle is moving faster than 20km/hr (12.4mph), doors will immediately relock for safety. Your vehicle must have SMART keyless for all doors to relock, otherwise only the driver’s door will relock. (Your vehicle has SMART if you can lock/unlock by a mere touch of the outside door handle.) Please consult the SL70VG Compatibility Chart for more detailed information on how your car’s doors will relock. This is important because not all doors relock on some cars.

INCLUDED ITEMS



Control Module



CAN Wire Harness



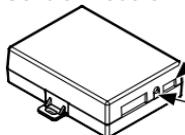
Posi-taps
(1 large, 2 small)



Ground Terminal

INSTALLATION

Control Module



Onboard Status LED

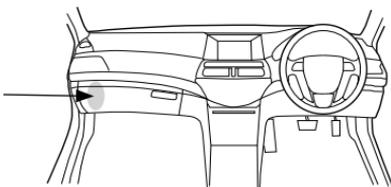
Glows in the vicinity of this connector

Reset Button

Only press this with the Ignition ON, and only if the SL70VG isn't functioning properly.

1. MOUNT

CAN wires are found behind the glove box on most cars, so it's best to mount the Control Module in this area.



2. WIRE

Connect the RED & BLK power wires to a constant 12V source, such as power in the OBD connector. Connect the 2 CAN wires according to the installation information we have for your specific vehicle, separate from but provided with this manual.

Control Module Harness

RED = Constant +12V

BLK = (-) Ground (body metal)

CAN Harness

YEL = CAN HI

WHT = CAN LO

3. INITIALIZE

After completing Steps 1 & 2 above, turn on the Ignition. The LED in the Control Module should blink. Eventually you should hear a beep from the Control Module and see the LED light solid, confirming Initialization is complete.

Press Reset while the Ignition remains ON if you never hear the beep and/or never see the LED changing from a blinking pattern to solid on. Keep pressing Reset until you see the Control Module LED start to blink.

Never turn OFF the ignition while the LED is blinking. Doing so will end initialization and the SL70VG will not function. Press Reset while the Ignition is on to restart initialization.

INSTALLATION

4. VERIFY

Close all doors and then either turn on the Ignition or start the engine. While stepping on the Brake, move the gear into the R or D positions and lock the doors by pressing the door lock switch inside your car. Return the gear to the P position and confirm the doors automatically unlock. The auto-unlock confirms the SL70VG is functioning properly. If doors do not unlock, press the Reset switch on the Control Module in accordance with Step-3 instructions.

PLEASE NOTE

1. The SL70VG reads the vehicle speed by CAN bus, so the auto lock speed may differ very slightly from what you see on your speedometer. This is normal and nothing to worry about.
2. In some rare cases, noise may temporarily appear on an in-dash TV while door lock motors are working. That noise is from the door lock motors and is not an indication of problems with the SL70VG.
3. You cannot install the SL70VG on vehicles with manual (stick shift) transmissions.
4. KIRAMEK is not liable for traffic accidents, thefts, or acts of God even if the SL70VG is installed in your car.
5. The SL70VG can be used with all DIGI-LINK CAN products from KIRAMEK, like the 1480 car security system. We cannot guarantee proper operation of the SL70VG when used along side other company's CAN products, however, because there are OBD and CAN products that are not designed well and cause signal interference with our and other 3rd party products.
6. Product features and specifications subject to change without notice.

ONE YEAR WARRANTY

Your SL70VG product is backed by a one (1) year warranty against defective components and/or improper product assembly to the original purchaser, calculated from the purchase date on your receipt.

Should the SL70VG stop working during the warranty period, KIRAMEK will repair or replace the product free of charge so long as KIRAMEK can be provided the original sales receipt; however, two-way shipping to and from KIRAMEK is not free of charge.

KIRAMEK reserves the right to question the buyer prior to accepting the return to ensure the problem is not usage related or an installation problem. Damage to the product cause by misuse (including drops onto hard surfaces), water, oil, fire, insects, animals, dirt, modification, natural disasters, neglect or willful destruction are not covered under this warranty.

This warranty is limited to defective parts only and does not provide any compensation whatsoever for damages associated with using the SL70VG. This warranty does not cover installation labor, product removal and/or reinstallation fees. This warranty is valid for the original purchaser only and may not be transferred to another party. KIRAMEK makes no warranty against theft or vandalism of the vehicle in which the SL70VG was installed. This warranty shall not be interpreted as an insurance policy against loss, nor shall KIRAMEK be liable in any way for such loss, financial or otherwise.

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