Phoenix^2

*Remote-Controlled
Vehicle Security System*

Owner's Manual

AVITAL

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Phoenix² Rev. A - Owner's Manual 0399

Phoenix²

Congratulations! You have just purchased the Phoenix² vehicle security system manufactured by Avital Technologies, Inc.

To fully benefit from the capabilities of your system, we encourage you to read the Owner's Manual thoroughly before using the system. If you have any problems or questions regarding your system, consult the dealer from whom you purchased this product. To locate an authorized Avital dealer, contact Avital Technologies directly at 1-800-253-0334 (toll-free within the U.S.) or 1-847-215-2233.

Lifetime Warranty

Avital guarantees the operation of your control unit and remote controls for as long as you own your car. (Please refer to your Lifetime Limited Warranty Card for complete information.) Make sure that you receive your warranty card from your dealer, complete the required information and mail the registration portion to Avital Technologies. You should retain the top portion of the warranty card for your records.

Remote Controls

Included with your system are two AviGlo™ 4-button/9-channel remote controls. Once exposed to light, the AviGlo remote control buttons will glow, making the buttons visible in the dark.

The remote control (remote) is a miniature transmitter powered by a small +12 volt battery. Obstructions, electrical or radio interference, weather conditions, window tint or a weak battery can reduce range. Your remote is the key to your system and can be used to arm and disarm your alarm, lock and unlock your doors, "pop" your trunk, and control optional accessories such as a remote engine starter, window roll-up and garage door opener.

The system can accept up to four Avital remote controls. Additional remote controls and remote control batteries can be purchased from any authorized Avital dealer, or by calling Avital Technolgies toll-free at 1-800-253-0334 (within the U.S.) or 1-847-215-2233.

Electronic Scan Prevention (ESP)

Your system includes ESP, which blocks electronic scanner codes preventing unauthorized operation of your system.

Instant Remote Control Code Deletion

In the event of a lost or stolen remote control, all remote controls can be erased from the system's memory preventing unauthorized system operation. (See the "Programming Table for Remote Controls" on page 12).

One-Step Remote Control Code Learning

Your system allows you to add new remote controls in one step. (See the "Programming Table for Remote Controls" on page 12).

Valet Switch

The valet switch is a small hidden toggle switch which allows you to control all of the system's programmable features. (See "User-Programmable Features" on page 10). This switch can only be controlled with the use of your ignition key.

NOTE: Be sure to have your dealer show you where the valet switch is located.

Operating Instructions

To Arm The System

The alarm can be programmed for active or passive arming. Active arming means the alarm can only be armed by the remote control. Passive arming means the alarm will automatically arm itself. (See the "Programming Table for System Features" on page 11.)

Active Arming

Press the remote ARM/DISARM button for 1-2 seconds. The siren will chirp twice, the parking lights will flash twice, the doors will lock, the LED will flash slowly and the starter will be disabled.

Passive Arming

Turn the ignition key "OFF," exit the vehicle and close the doors. When the interior lights turn off, the LED will begin flashing rapidly to indicate the alarm is passive arming. After 30 seconds, the siren will chirp twice, the parking lights will flash twice, the LED will flash slowly and the starter will be disabled (at any time during passive arming, the alarm can be actively armed).

To Disarm the System

Press the remote ARM/DISARM button for 1-2 seconds. The siren will chirp once, the parking lights will flash once, the doors will unlock, the interior lights will turn on, the LED will turn off and the starter will be enabled.

Remote-Controlled Silent Arm/Disarm

Press the remote SILENT button for 1-2 seconds to arm or disarm your system without the usual siren chirps.

Silent Arm Indications

The parking lights will flash twice, the doors will lock, the starter will be disabled and the LED will flash slowly.

Silent Disarm Indications

The parking lights will flash once, the doors will unlock, the starter will be enabled and the LED will turn off.

User-Programmable Long-Term Silent Arm/Disarm

This feature allows you to completely disable the arm/disarm siren chirps until you decide to restore them. (See the "Programming Table for System Features" on page 11.)

Two-Stage Unlock Capability

If the optional Two-Stage Unlock feature was installed, press the remote ARM/DISARM button for 1-2 seconds and only the driver door will unlock. Within 3 seconds, press the remote ARM/DISARM button again and the passenger door(s) will unlock (may require an optional relay).

Remote Panic with Safety Locks™

In a threatening situation, you can activate Remote Panic with Safety Locks. When activated, the siren will sound and the parking lights will flash. If you are inside your vehicle and the ignition key is "ON," the doors will lock. If you are outside the vehicle with the ignition key "OFF," the doors will unlock.

To Activate

1. Press the remote ARM/DISARM button for 3-4 seconds.

2. The siren will sound and the parking lights will flash.

3. If the ignition key is "OFF," the doors will unlock. If the ignition key is "ON," the doors will lock.

To Deactivate

1. Press the remote ARM/DISARM button for 1-2 seconds.

2. The siren will shut off and the parking lights will stop flashing.

Interior Light Illumination

When the alarm system is remotely disarmed, the vehicle interior light(s) will turn on for 30 seconds or until the ignition key is turned on.

User-Programmable Passive Door Lock

The system will not automatically lock the doors when the alarm passively arms to prevent the keys and remote from being locked in the vehicle. If you prefer, you can easily program the alarm to automatically lock the doors every time the alarm passively arms. (See the "Programming Table for System Features" on page 11.)

User-Programmable Ignition-Controlled Door Lock/Unlock

For the ultimate in security and convenience, the system is programmed to automatically lock your doors when the ignition key is turned "ON" or the engine is started, and will unlock when the ignition key is turned "OFF." This feature can be programmed ON or OFF. (See the "Programming Table for System Features" on page 11.)

Protected Valet Mode

You should place your system in Protected Valet Mode whenever your vehicle is being serviced by mechanics, car wash personnel or driven by valet parking attendants. While in the Protected Valet Mode, all alarm functions are bypassed to prevent unauthorized or accidental operation. Remote-controlled door lock/unlock , trunk release and all optional accessories will still operate.

To Turn On Protected Valet Mode

1. Turn your ignition key to the "ON" position or start the engine.
2. Flick the valet switch to the "ON" position.
3. The LED will turn on solid red to indicate the system is in Protected Valet Mode.
4. Turn your ignition key to the "OFF" position.

To Turn Off Protected Valet Mode

1. Turn your ignition key to the "ON" position or start the engine.
2. Flick the valet switch to the "OFF" position.
3. The LED will turn off to indicate the system is no longer in Protected Valet Mode.
4. Turn your ignition key to the "OFF" position

Remote-Controlled Valet

For your convenience, the system can be put into Valet mode via the remote control. While in Remote-Controlled Valet, all alarm functions are bypassed.

To Activate Remote-Controlled Valet

1. Press the remote ARM/DISARM and SILENT buttons at the same time.
2. The parking lights will flash 4 times.
3. The LED will turn on solid red to indicate the alarm is now in Remote-Controlled Valet.

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To Deactivate Remote-Controlled Valet

1. Press the remote ARM/DISARM and SILENT buttons at the same time.
2. The parking lights will flash 3 times.
3. The LED will turn off to indicate the alarm is no longer in Remote-Controlled Valet.

Keyless Entry in Valet Mode

While the system is in the Valet mode, you can still use your remote control to lock and unlock the doors as well as activate any optional accessory such as trunk release or remote engine starter.

LED System Status Indicator

The LED on your vehicle's dashboard or center console will inform you of the system status.

LED	Status
Off	System is disarmed
On solid	In a valet mode
Slow flash	System is armed
Flashing in cycles	See "Specific Zone Intrusion Identification" on page 8
Rapid flash	Passive arming

Remote-Controlled Accessory Outputs

These outputs allow you to add optional remote-controlled accessories to your system such as a remote engine starter, trunk release, window roll-up, garage door opener or fuel door release. To activate your optional accessories, see the "Programming Table for Remote Controls" on page 12.

Zone^2™ Impact Sensor

The Zone^2 Impact Sensor has two individual vibration/impact sensing zones.

Zone #1

If a less threatening vibration or impact is detected, the siren will issue 2 warn-away chirps. A second violation will also issue 2 warn-away chirps. If within 45 seconds a third violation is detected, the sensor will automatically trigger the alarm. The siren will sound and the lights will flash.

Zone #2

If a more threatening vibration or impact is detected at any time, the siren and lights will activate instantly.

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Remote-Controlled Sensor Bypass

You can bypass the system sensor(s) at any time. The alarm system will still provide full perimeter protection.

To Bypass the Sensor(s):

1. Press the remote TRUNK and OPTION buttons at the same time.

2. The siren will chirp twice. . . pause. . . chirp twice. . . pause . . . chirp twice.

3. The sensor(s) is now bypassed until you remotely disarm and then re-arm your system.

Previous Intrusion Alert

If the vehicle had been tampered with and the alarm has been triggered, the siren will chirp 3 times upon remote disarm instead of the usual 1 chirp.

Specific Zone Intrusion Identification

If the alarm had been triggered in your absence, the siren will chirp 3 times upon remote disarm (Previous Intrusion Alert). When you enter the vehicle and turn the ignition "ON," the LED will flash in cycles to specifically identify which zone has triggered the alarm.

LED	Zone
One Flash...One Flash...	Impact sensor
Two Flash...Two Flash...	Hood/trunk trigger
Three Flash...Three Flash...	Door trigger

User-Programmable Door Ajar Indication

When you remotely arm the alarm system and a door is ajar (not closed), the siren will chirp 2 times, then chirp 3 times and the parking lights will flash 3 times. This feature provides audible and visual indication to prevent battery drain. (See "Programming Table for System Features" on page 11.)

NOTE: If your vehicle has factory delayed lighting, this feature will be turned off.

User-Programmable Siren Duration

Upon activation, the siren can be programmed to run for 30 or 60 seconds before it will shut off and instantly rearm. (See the "Programming Table for System Features" on page 11.)

Alarm State Memory

If your vehicle battery is disconnected and later reconnected, the system will automatically return to its last state before power was removed, whether it was armed, disarmed or in Valet Mode. For example, if a mechanic disconnects the battery while the alarm is disarmed or in Valet Mode, he won't trigger the alarm when he reconnects the battery. If a thief removes power while the alarm is armed, and reconnects it, the alarm will instantly sound, the parking lights will flash and the starter will be disabled.

Automatic Malfunction Override

In the event of a faulty sensor or alarm input trigger zone, the alarm, when remotely armed, will alert you by a series of chirps and parking light flashes.

How to Interpret the Chirps and Parking Light Flashes

When you press the remote control buttons, the system will respond with chirps and flashes of the parking lights to indicate the system status. An explanation of these chirp/flash acknowledgments follows:

Number of chirps and flashes	Explanation
1 chirp, 1 flash	Disarming of the alarm.
2 chirps, 2 flashes	Arming of the alarm.
2 chirps and flashes, then 3 more chirps and flashes	Armed and a door is ajar.
2 chirps and flashes, then 4 more chirps and flashes	Armed and there is a sensor malfunction (automatically bypassed).
3 chirps, 3 flashes	Disarmed and there was an intrusion attempt.
4 chirps, 4 flashes	Armed and there is a trigger malfunction (automatically bypassed).

User-Programmable Features

All system and remote control programmable features are accomplished by turning the ignition key "ON" (or starting the engine) and flicking the valet switch on and off a preset number of times.

The system also allows you to add new remote controls in one step, delete lost or stolen remote controls or rearrange the factory preset remote control functions.

1. Remove the system from Protected or Remote-Controlled Valet mode. Programming cannot be accessed while the system is in Valet mode indicated by the LED on solid red.

2. Select the feature you wish to program from the "Programming Table for System Features" or the "Programming Table for Remote Controls" on pages 11 & 12. *Note the number of chirps associated with that feature.*

3. Turn the ignition key to the "ON" position.

4. Within 10 seconds, begin flicking the valet switch on and off. The siren will chirp once each time you flick the switch on then off.

5. Continue flicking the switch on and off, counting the number of chirps.

   NOTE: Stop when you reach the number of chirps associated with your chosen feature.

6. Follow the "Secondary Action." You will hear a number of chirps to confirm that you have changed the setting of that feature.

7. Turn the ignition key to the "OFF" position.

8. Repeat steps 1-7 for any other feature you wish to program.

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Programming Table for System Features

Feature	Factory Setting	No. of Chirps	Secondary Action
Active / Passive Arming	Passive	4	Wait 3 seconds, the siren will chirp once for Active, twice Passive.
Passive Door Lock	OFF	5	Wait 3 seconds, the siren will chirp once for OFF, twice for ON.
Passive Armed Confirmation	ON	6	Wait 3 seconds, the siren will chirp once for OFF, twice for ON.
Ignition-Controlled Door Lock / Unlock	ON	9	Wait 3 seconds, the siren will chirp once for OFF, twice for ON.
Door Ajar Indication	ON	12	Wait 3 seconds, the siren will chirp once for OFF, twice for ON.
Siren Duration (30 or 60 seconds)	30 Seconds	13	Wait 3 seconds, the siren will chirp once for 60 seconds, twice for 30.
Long-Term Silent Arm / Disarm	ON	14	Wait 3 seconds, the siren will chirp once for OFF, twice for ON.

Programming Table for Remote Controls

Feature	Factory Setting	No. of Chirps	Secondary Action
Arm/Disarm	ARM/DISARM Button	15	Press the ARM/DISARM button, the siren will chirp 1 time.
Remote-Controlled Trunk Release Output	TRUNK Button	16	Press the TRUNK button, the siren will chirp 2 times.
Remote-Controlled Silent Arm/Disarm	SILENT Button	17	Press the SILENT button, the siren will chirp 3 times.
Remote-Controlled Accessory Output	OPTION Button	18	Press the OPTION button, the siren will chirp 4 times.
Remote-Controlled Valet	ARM/DISARM + SILENT Buttsons	19	Press the ARM/DISARM + SILENT buttons, the siren will chirp 5 times.
Remote-Controlled Accessory Output	ARM/DISARM + OPTION Buttons	20	Press the ARM/DISARM + OPTION buttons, the siren will chirp 6 times.
Remote-Controlled Sensor Bypass	TRUNK + OPTION Buttons	21	Press the TRUNK + OPTION buttons, the siren will chirp 7 times.
One Step Remote Control Code Learning	ARM/DISARM Button	22	Press ARM/DISARM button, the siren will chirp 1 time.
Instant Remote Control Code Deletion	—	23	Wait 3 seconds, the siren will chirp twice, all codes are erased out of memory.