

[ AUTO SECURITY SYSTEM ]



AVITAL

[ OWNER'S GUIDE ]

M O D E L

**MAXX2**

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# Consumer Warranty

For a period of five calendar years from the date of purchase of this vehicle security device, Directed Electronics, Inc. promises to the ORIGINAL PURCHASER to repair or replace (with a comparable reconditioned model), free of cost, the alarm control unit if proved to be defective in workmanship or material under normal use, SO LONG AS THE SYSTEM WAS SOLD, INSTALLED AND SERVICED BY AN AUTHORISED AVITAL INSTALLER, AND REMAINS IN THE CAR IN WHICH THE SYSTEM WAS ORIGINALLY INSTALLED. All other system parts are covered under the same warranty agreement for a period of one year. If warranty service is necessary you must have a clear copy of your sales receipt containing all of the information required.

This warranty contains the entire agreement relating to warranty and supersedes all previous and contemporaneous representations or understandings, whether written or oral. IN ANY EVENT, DEI IS NOT LIABLE FOR THE THEFT OF THE VEHICLE AND/OR ITS CONTENTS.

This warranty is void if the product has been damaged by accident, unreasonable use, neglect, improper service or other causes not arising out of defects in materials or construction. This warranty is nontransferable and does not apply to any unit that has been modified or used in a manner contrary to its intended purpose and does not cover batteries. The unit in question must be returned to the manufacturer, postage prepaid. This warranty does not cover labour costs for the removal, diagnosis, troubleshooting or reinstallation of the unit. For service on an out-of-warranty product a flat rate fee by model is charged. Contact your authorised dealer to obtain the service charge for your unit.

These systems are a deterrent against possible theft. Directed Electronics, Inc. is not offering a guarantee or insuring against the theft of the vehicle or its contents and disclaims any liability for the theft of the vehicle and/or its contents. Directed Electronics does not authorise any person to create for it any other obligation or liability in connection with this security system.

TO THE MAXIMUM EXTENT ALLOWED BY LAW, ANY AND ALL WARRANTIES ARE EXCLUDED BY THE MANUFACTURER AND EACH ENTITY PARTICIPATING IN THE STREAM OF COMMERCE THEREWITH. THIS EXCLUSION INCLUDES BUT IS NOT LIMITED TO THE EXCLUSION OF ANY AND ALL WARRANTY OF MERCHANTABILITY AND/OR ANY AND ALL WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY AND ALL WARRANTY OF NON-INFRINGEMENT OF PATENTS, IN THE UNITED STATES OF AMERICA AND/OR ABROAD. NEITHER THE MANUFACTURER OR ANY ENTITIES CONNECTED THEREWITH

SHALL BE RESPONSIBLE OR LIABLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, TOWING, REPAIR, REPLACEMENT, DAMAGES FOR LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE AS DESCRIBED ABOVE. This warranty gives you specific legal rights. Your statutory rights are not affected.

# What Is Included

- One Avital Maxx<sup>2</sup> Control Unit
- One Valet Switch
- One Status LED
- One 4-Button/10-Channel Remote Control
- One 2-Button/3-Channel Remote Control
- Two Ultrasonic Sensors
- One Battery Back-up Siren
- One Certificate of Installation
- Two Avital Window Decals

# Important Information

Congratulations on your purchase of the Thatcham Evaluated Avital Maxx<sup>2</sup> vehicle security/convenience system. To fully benefit from the capabilities of your system, we encourage you to read the Owner's Guide thoroughly. If you have any problems or questions, consult the dealer you purchased the system from. To locate an authorised Avital dealer in your area, call our UK office using the number noted in the back of this guide.

## Your Warranty

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It is necessary to retain your proof of purchase, which reflects that the product was installed by an authorised dealer. For full details regarding your warranty coverage, please refer to the *Consumer Warranty* section of this guide.

## Remote Controls

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Included with your system: one AviGlo 4-button/10-channel remote and one AviGlo 2-button/3-channel remote. Once exposed to light, the AviGlo remote control buttons will glow, making them visible in the dark.

The remote control is a miniature transmitter powered by a small (+) 3 volt lithium battery. Obstructions, electrical or radio interference, weather conditions, window tint, or a discharged battery can reduce range. Your transmitter is the key to your system and can be used to arm and disarm your alarm, lock and unlock your doors, open your boot, and control optional accessories such as a remote engine starter\*, window roll-up, and garage door opener.

Your system can accept up to four AviGlo remote controls. Additional remote controls and remote control batteries can be purchased from any authorised Avital dealer or by calling the UK office (freephone number noted in the back of the guide).

\* This accessory is not evaluated by Thatcham.

## System Maintenance

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The Maxx<sup>2</sup> system requires no maintenance except for remote control battery replacement when they reach the end of their useful life. When the battery weakens, operating range will be reduced and the LED will dim. To replace your remote control battery use the following procedure.

### Remote Control Battery Replacement

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To replace the battery in your AviGlo remote control, follow the instructions below.

1. Carefully pry apart the two halves of the remote control with a small flat-bladed screwdriver. The bottom right-hand corner of the remote casing has a small indent to allow the screwdriver access.
2. The lithium battery is the round silver disc, about the size of a five pence piece. Remove the old battery from the metal clip. You should note that the (+) side of the battery should face up and the (-) side should face the circuit board. Slide the new replacement battery into the metal clip.
3. Re-align the two halves of the enclosure and snap together.

# [ System Features ]

## **Stealth Coding Technology**

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Stealth Coding technology offers the most advanced protection available against code-grabbing devices which thieves may use to record the digital code transmitted by your remote control. When you leave the area, thieves can then play back the code to unlock the doors and de-activate your system. Avital's remote controls with Stealth Coding randomly change the code every time you use them, and your system will not respond if any code is re-transmitted. This technology makes code-grabbing devices useless.

## **Electronic Scan Prevention (ESP)**

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Your system includes Electronic Scan Prevention (ESP), which blocks electronic scanner codes preventing unauthorised operation of your system. A thief could use an electronic "scanner" to continuously scan through thousands of different transmitter codes in an attempt to find one that will disarm your system. Your Maxx<sup>2</sup> system uses ESP technology to render this type of attack useless.

## **Interior Light Illumination**

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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.



## Valet Switch

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The Valet switch is a small push-button switch that allows you to control all of the system's programmable features and enter your override PIN code. (See *User-Programmable Features* section of this guide.) This switch can only be controlled in conjunction with your ignition key.

**NOTE:** Make sure the dealer has shown you where the Valet switch is located. You will need to disarm the system with the Valet switch in the event of a lost or stolen remote control.

## Keyless Entry in Valet Mode

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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 accessories, such as boot release or remote engine starter.

## Ultrasonic Sensors

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Your Maxx<sup>2</sup> security system incorporates two Ultrasonic sensors, which are most commonly mounted at the top of the A-pillars facing the rear of the vehicle. These sensors detect movement inside the vehicle by sensing air disturbance. They should trigger the alarm if a thief gained access to the interior of your vehicle.

## Instant Remote Control Code Deletion

In the event of a lost or stolen remote control, all remote controls can be erased from the systems memory preventing unauthorised system operation. (See the *Programming Table for Remote Controls* section of this guide.)

## One-Step Remote Control Code Learning

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Your system allows you to add new remote controls in one step. (See the *Programming Table for Remote Controls* section of this guide.)

## Alarm State Memory





















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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 were to disconnect the battery while the alarm was disarmed or in Valet Mode, the alarm will not trigger when the battery is reconnected. If power is removed and then restored while the alarm is armed, the systems battery back up siren will instantly sound and the indicator lights will flash.

# Transmitter Functions

## Accessory Outputs and Button Assignments

These outputs allow you to add optional remote-controlled accessories to your system such as a remote engine starter, boot release, window roll-up, garage door opener, or fuel filler door release. To activate your optional accessories press the corresponding remote control buttons shown below. You can assign any remote control function to any button sequence. (See *Programming Table for Remote Controls* section of this guide.)

Button/Channel Assignment	Feature
 /  Button / Channel 1	Arm/Disarm/Panic/Two Stage Unlock
 Button / Channel 2	Pulsed Accessory Output (Disarmed Only)
 Button / Channel 3 *	Silent Arm/Disarm
 Button / Channel 4 *	Timer Controlled Output
 +  Buttons / Channel 5*	Pulsed/Latched Accessory Output
 /  +  Buttons / Channel 6	Sensor Bypass
 /  +  Buttons / Channel 7 *	Unassigned**
 +  Buttons / Channel 8 *	Unassigned**
 /  +  Buttons / Channel 9 *	Unassigned**
 +  Buttons / Channel 10 *	Unassigned**

\* Only available with 4-button remote.


\*\*Can be assigned to operate any of the first 6 channels on your Maxx<sup>2</sup> or to control other Avital systems and accessories on other vehicles.

# System Operation

The alarm can be programmed for active or passive arming. Active arming means the alarm is armed using the remote control. Passive arming means the alarm will automatically arm itself. (See the *Programming Table for System Features* section of this guide.)

## Active Arming\*

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Press the  button for one to two seconds. The following will occur:

- The siren will chirp twice and the indicator lights will flash twice. The doors will lock.\* The LED will double flash, pause, double flash, pause, etc.

\* Requires connection to your vehicle's existing central locking system.


## Passive Arming

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The Maxx<sup>2</sup> has three programmable options relating to passive arming of the alarm. A full description of the operation and programming options for the passive arming feature can be found on page 21.

## Disarming the System (if alarm is not sounding)

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Press the  button for one to two seconds. The following will occur:



- The siren will chirp once and the indicator lights will flash once. The doors will unlock.\* The interior lights will turn on

(for 30 seconds or until the ignition is turned on). The LED will turn off.

\* Requires connection to your vehicle's existing central locking system.

### **Disarming the System (if alarm is sounding)**



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Press the  button for 1-2 seconds. This will silence the siren only. It will not disarm the system or unlock\* the doors. A second press of the  button for one to two seconds is required to fully disarm the system.

\* Requires connection to your vehicle's existing central locking system.

### **Silent Arm/Disarm**

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Pressing the  button for one to two seconds will arm and disarm your system the same as the  button, except without the siren chirp confirmation.

### **Remote Panic**


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When activated, the siren will sound and the indicator lights will flash. If you are outside the vehicle with the ignition key OFF, the doors will unlock.

#### **To Activate:**



1. Press the  button for three to four seconds.
2. The siren will sound and the indicator lights will flash.
3. If the ignition key is OFF, the doors will unlock.

## To De-activate:

1. Press the  button for one to two seconds.
2. The siren will shut off and the indicator lights will stop flashing.

### Two-Stage Unlock Capability

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If the optional Two-Stage Unlock feature was installed, press the  button for one to two seconds and only the drivers door will unlock. Within three seconds, press the  button again and the passenger door(s) will unlock.

**NOTE:** If you opted to have the Two-Stage unlock feature installed, then unlocking your vehicle from the drivers door with the key will not unlock the passenger door(s). They will have to be unlocked manually.

### Sensor Bypass

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If you wish to arm the alarm system but leave a window or sun-roof open or a pet or passenger inside the vehicle, you will need to bypass the Ultrasonic Sensor and any optional sensors by following the procedure noted below:

1. Arm the alarm with the  or  buttons.
2. At anytime after the alarm system has been armed, press the  and  buttons together.
3. To indicate sensor(s) bypass the indicator lights flash once.



**NOTE:** The next time the alarm system is armed the sensors will be re-enabled automatically.

## Protected Valet Mode

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You should place your system in Protected Valet Mode whenever your vehicle is being fueled or washed, or whenever the passive arming is not required for a short period. The Valet PIN code number for your system is noted on the back of this guide.

**Note:** To change your PIN code refer to *How to Change Your PIN Code* section of this guide.

If the system was armed and a thief were to break into your vehicle and begin entering codes at random in an attempt to disarm the alarm, the system will lock out (indicated by a triple flash sequence of the LED) and begin sounding the siren for two minutes. During this period the system will ignore further attempts to enter the code. Even a correct code entry will be ignored. The siren can be silenced and the system disarmed by pressing the  or  button on the remote control two times.

**NOTE:** The PIN number noted on the back of this guide is your emergency override code. Therefore, Do **NOT** leave the guide inside the vehicle for a thief to find.

### To Turn On Protected Valet Mode:

1. Turn the ignition key to the ON position.
2. Within 10 seconds, enter the first number in your PIN. Press and release the Valet switch the same number of times as the first digit in your PIN. Example: If your PIN is **2345**, press the Valet switch **two** times.
3. Turn the ignition key OFF.

4. Turn the ignition key to the ON position.
5. Enter the second number in your PIN. Press and release the Valet switch the same number of times as the second digit in your PIN. Example: If your PIN is 2**3**45, press the Valet switch **three** times.
6. Turn the ignition key OFF.
7. Turn the ignition key to the ON position
8. Enter the third number in your PIN. Press and release the Valet switch the same number of times as the third digit in your PIN. Example: If your PIN is 23**4**5, press the Valet switch **four** times.
9. Turn the ignition key OFF.
10. Turn the ignition key to the ON position.
11. Enter the last number in your PIN. Press and release the Valet switch the same number of times as the last digit in your PIN. Example: If your PIN is 234**5**, press the Valet switch **five** times.
12. Turn the ignition key OFF. If you have entered the correct code you will hear two chirps (one short and one long). Should you hear five rapid chirps, the correct code has not been entered. Begin entering your PIN from the beginning.



13. To enter Valet mode, now turn the ignition on and press and hold the Valet switch for three seconds until the LED illuminates constantly.

### **To Turn Off Protected Valet Mode:**



1. Turn your ignition key to the ON position or start the engine. The LED will turn off to indicate automatic exit of Valet mode. (To comply with Thatcham regulations, a permanent override mode is not allowed.)

# **How to Change Your PIN Code**



Your system PIN Code is located on the back of this guide. Should you wish to change this code to a number that is easier to remember, use the following procedure.

1. Write down the new four-digit PIN number you wish to use.
2. Look at the programming table on page 26. To change the first two digits of your code, refer to programming branch number 17 and to change the last two digits, refer to programming branch number 18.
3. To enter programming mode:
  - Enter your existing PIN code number by following steps 1-12 in the *Protected Valet Mode* section of this guide.

- Turn the ignition key to the ON position, then press and release your Valet switch 17 times. You will hear a chirp each time you press the switch to help you count.
- When you reach branch number 17, stop and follow the instructions in the "Secondary Action" column in the programming table.

Example: If you would like the first two digits of your new code to be one and one you would press button  once and \* button once. To enter the digits zero and zero you would press the  and \* buttons together and go to the next step.

4. To enter the next two digits press the Valet switch once (you will hear one chirp) to move from program branch number 17 to 18. Stop and follow the instructions in the "Secondary Action" column in the programming table.

Example: If the last two digits of your new code are two and two then press the  button twice and the \* button twice. To enter the digits one and zero, you would press the  button once and then go to step five. The system will assume the second digit is a zero as you did not press the \* button to enter a number.

5. If you are satisfied that the code you entered is the correct one then turn off the ignition to exit programming and test your new code. Should you make a mistake during any part of this procedure, then simply turn off the ignition and begin the sequence again. The system will revert to the original code.

# [ Diagnostics ]

## LED System Status Indicator

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The LED on your vehicles dashboard or centre console will inform you of the system status.

LED	Status
Off	System is disarmed.
On	In Valet mode.
Double Flash	System is armed.
Triple Flash	More than three consecutive incorrect Valet codes have been entered (system ignores Valet switch for 2 minutes).
Flashing in Cycles	See "Specific Zone Intrusion Identification" chart on page 22.
Rapid Flash	Passive arming countdown.

## Previous Intrusion Alert

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

## Specific Zone Intrusion Identification

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If you received the Previous Intrusion Alert confirmation (three chirps upon remote disarm), 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. The flash cycle will be repeated two more times giving three cycles in total.

<b>LED</b>	<b>Zone</b>
Three Flashes	Optional Sensor 2
Four Flashes	Door Trigger
Five Flashes	Boot/Bonnet Trigger
Six Flashes	Closed Circuit Trigger
Seven Flashes	Ultrasonic Sensor
Eight Flashes	Ignition Trigger

## **Automatic Malfunction Override**

In the event of an active sensor or trigger input when the alarm is remotely armed, a series of chirps and Indicator light flashes will alert you.

## **Interpreting Chirps and Flashes**



<b>Number of chirps and flashes</b>	<b>Explanation</b>
1 chirp, 1 flash	Disarming of the alarm.
2 chirps, 2 flashes	Arming of the alarm.
3 chirps, 3 flashes	Disarmed and there was an intrusion attempt.
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 input active (automatically bypassed).
2 chirps and flashes, then 5 more chirps and flashes	Armed and there is a boot, bonnet, or closed circuit trigger input active (automatically bypassed).

# User-Programmable Features

## Passive Arming

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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 has begun its passive arming countdown. After 60 seconds, the siren will chirp twice, the indicator lights will flash twice, and the system's LED will begin the double-flash sequence explained in the Active Arming section.

**NOTE:** The alarm can be actively armed with the  or  button on the remote control at any time during the passive arming countdown.

## Passive Arming With Door Lock

---

The system is factory preset not to lock the doors when the alarm passively arms (unless Auto-rearm and lock is programmed on) 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* section of this guide.)

\*Requires connection to your vehicle's existing central locking system.

## Auto-Rearm and Lock

---

When Auto-rearm and lock is used in conjunction with the passive arming feature (i.e. both are turned ON) the following will occur:


- If after driving you turn the ignition off and exit the vehicle by opening and closing a door, the system will passive arm but NOT lock the doors in case you have left your keys inside the car.
- If the alarm is disarmed only and you open and then close a door, the system will passive arm but NOT lock the doors, again in case you left your keys inside.
- If you disarmed the alarm but did not open a door, the system will auto-rearm and lock the doors.\* As you did not open a door the system assumes you are outside the vehicle and the keys are not inside.

\* Requires connection to the vehicle's existing central locking system.

## 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* section of this guide.)

**NOTE:** If this feature is turned on and you need to open a door to let someone in or out of the car when the ignition is on, you can press the  button to unlock the doors and again to re-lock after the doors have been closed.

\* Requires connection to the vehicle's existing central locking system.

## Long-Term Silent Arm/Disarm

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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* section of this guide.)

## Door Ajar Indication

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When you remotely arm the alarm system and a door is ajar, the siren will chirp twice, then three times (the indicators will flash the same number of times as the siren chirps). This feature provides audible and visual indication to prevent battery drain if a door was inadvertently left open. (See the *Programming Table for System Features* section of this guide.)

**NOTE:** If your vehicle has an interior light delay, this feature will be turned off.

## Dual-Sensor Trigger Mode

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The system has the facility to add extra sensors such as the 508D Proximity sensor. If an additional sensor has been added to the system and the Dual-Sensor Trigger Mode feature is turned ON, the system will require both the built-in Ultrasonic sensor and the additional sensor to be activated at the same time in order to trigger the alarm system. This is especially useful on convertible vehicles as the alarm can be armed even when the roof is down or at times when you wish to arm the alarm and leave the windows open.

# How to Set the User-Programmable Features

All system features and remote control features are accomplished by turning the ignition key to the ON position or starting the engine, entering your Personal Identification Number (PIN) and pressing the Valet switch a preset number of times to access the feature you wish to program.

The system also allows you to add new remote controls in one step and delete lost or stolen remote controls.

1. Programming cannot be accessed while the system is in Protected Valet Mode indicated by the LED on solid red. Remove the system from Protected Valet Mode by turning on the ignition. The LED should turn off automatically.
2. Select the feature you wish to program from the *Programming Table for System Features* or the *Programming Table for Remote Controls*. Note the number of chirps associated with that feature.
3. To enter programming mode, enter your existing PIN code number by following steps 1-12 in the *Protected Valet Mode* section of this guide.
4. Turn the ignition key ON.
5. Begin to press and release the Valet switch. The siren will chirp once each time you press and release the Valet switch.














6. Continue pressing and releasing the Valet switch, counting the siren chirps.

**NOTE:** Stop when you reach the number of chirps associated with your chosen feature. The system LED will give confirmation of the feature status. If the LED is ON, the feature is ON. If the LED is OFF, the feature is OFF.

7. Follow the Secondary Action listed in the programming table. You will hear one or two chirps and the system LED will give you confirmation that you have changed the feature.
8. After you have programmed the feature you have chosen, you can exit programming by turning the ignition key OFF. You will hear two chirps to confirm exit of program mode. If you wish to program additional features, leave the ignition ON and press the Valet switch again. The system will advance to the next feature. Continue pressing and releasing the Valet switch until you have reached your next chosen feature.

## Programming Table for System Features

Feature	Factory Setting	No. of Chirps	Secondary Action
Passive Arming	ON	2	Press  button. The siren will chirp once for OFF, twice for ON.
Passive Arm With Door Lock	OFF	3	Press  button. The siren will chirp once for OFF, twice for ON.
Auto Rearm and Door Lock	ON	4	Press  button. The siren will chirp once for OFF, twice for ON.
Ignition Controlled Lock/Unlock	ON	5	Press  button. The siren will chirp once for OFF, twice for ON.
Arm/Disarm Siren Chirps	ON	8	Press  button. The siren will chirp once for OFF, twice for ON.
Door Ajar Indication	ON	13	Press  button. The siren will chirp once for OFF, twice for ON.
Dual Sensor Trigger Mode	Single	14	Press  button. The siren will chirp once for Single, twice for Dual.
Pin Code Digits 1 and 2	Factory Selected	17	Press  button, 1 through 9 times to set first digit of PIN code. Press * button, 1 through 9 times to set the second digit of PIN code. If you require a 00 (zero, zero) in the PIN code, press  + * buttons at the same time.
Pin Code Digits 3 and 4	Factory Selected	18	Press  button, 1 through 9 times to set third digit of PIN code. Press * button, 1 through 9 times to set fourth digit of PIN code. If you require a 00 (zero, zero) in the PIN code, press  + * buttons at the same time.

## Programming Table for Remote Controls

Feature	Factory Setting	No. of Chirps	Secondary Action
Arm/Disarm/Panic	🔒 Button	20	Press any remote button(s). The siren will chirp once for confirmation.
Two Stage Unlock	Channel 1		
Accessory(-) Output for Boot Release (disarmed only)	* Button Channel 2	21	Press any remote button(s). The siren will chirp twice for confirmation.
Silent Arm / Disarm	🚫 Button Channel 3	22	Press any remote button(s). The siren will chirp three times for confirmation.
Accessory(-) Output Timed	🕒 Button Channel 4	23	Press any remote button(s). The siren will chirp four times for confirmation.
Accessory(-) Output Pulsed / Latched	Button 🚫 + 🕒 Channel 5	24	Press any remote button(s). The siren will chirp five times for confirmation.
Remote Sensor Bypass	Button 🔒 + * Channel 6	25	Press any remote button(s). The siren will chirp 6 times for confirmation.
All Channel Learn	—	26	Press 🔒 button. The siren will chirp once to confirm factory preset order.
Instant Code Deletion	—	27	Wait 3 seconds. The siren will chirp twice. All remotes are erased from memory.

**NOTE:** When assigning channels to different buttons than the factory settings, you must “All Channel Learn” a transmitter and then change the individual assignments with feature number 20 to 25 as required.

# [ Security & Convenience ] Expansions

Listed below are some of the many expansion options available. Please consult your dealer for a complete explanation of all the options available to you.

- **Audio Sensor** - Metal on glass, glass cracking, and breaking glass produce distinctive acoustic signatures. The 506T audio sensor uses a microphone to pick up sounds, then analyses them with proprietary acoustic software to determine if the glass has been struck.
- **Backup Battery** - The 520T keeps the system armed and triggers the alarm if the main battery is disconnected.
- **Bonnet Lock** - Prevents the vehicle's bonnet from being opened without a key, keeping thieves away from the system's siren, the battery connections, and other components under the bonnet.
- **Field Disturbance Sensor** - An invisible dome of coverage is established by installing the 508D "radar" sensor. Your system can react to any intrusions into this field with the full triggered sequence.
- **Remote Starter** - A remote engine starting system designed for fuel-injected automatic transmission vehicles. The 551T is activated by pressing a spare button on your remote control.

**NOTE:** The Remote Starter has not been evaluated by Thatcham.

- **Electric Boot Release** - The accessory output of the system can operate a factory electric release for the vehicle's boot or hatch. Although the on-board circuit can control some electric factory releases, an optional relay is usually required. If the factory release is not electric-activated, Directed®'s 522T boot release solenoid can often be added.
- **Electric Window Control** - Automatic electric window control is provided with the 529T and 530T systems. These can operate electric windows, and can roll them up automatically when the system is armed, roll them down, or both up and down.

## [ Glossary of Terms ]

**Control Unit** - The "brain" of your system. Usually hidden underneath the dash area of the vehicle. The control unit houses the microprocessor which monitors your vehicle and controls all system functions.

**Input** - A physical connection to the system. An input can be provided by a sensor, pinswitch or by existing systems in the vehicle, such as ignition or courtesy lights.

**LED** - A red light mounted at a discretionary location inside the vehicle. It is used to indicate the status of your system.

**Transmitter** - A hand-held, remote control which operates the various functions of your system.

**Trigger or Triggered Sequence** - This is what happens when the alarm “goes off” or “trips.” The triggered sequence of your system consists of the siren sounding and indicators flashing.


**Valet Switch** - A small push-button switch mounted at a discretionary location inside the vehicle. It is used to override the alarm system when a transmitter has been lost or damaged, and to enter Valet Mode.

**Warning Zone Response** - If a dual-zone sensor is added to the system and the light touch or outer-zone trigger is activated, the system will generate the warning zone response. This consists of several seconds of siren chirps.


**Zone** - A zone is a separate input that the alarm can recognise as unique. Each input to the system is connected to a particular zone. Often two or more inputs may share the same zone.

# [ Quick Reference Guide ]



## Arming

- To arm, press . When the system arms, you will hear two short chirps, and the indicator lights will flash twice.

## Disarming

- To disarm, press . You will hear a chirp, and the indicator lights will flash once.


## Siren Silencing

- For siren silencing, press  on your transmitter (whist the siren is sounding) and the siren will stop sounding. To completely disarm the security system, press  again.



## Disarming Without a Transmitter

- Turn on the ignition. Press the Valet switch the number of times that corresponds with the first number of your Valet code. Turn the ignition off, then back on. Press the Valet switch the number of times that corresponds with the second digit of your Valet code. Turn the ignition off, then back on. Press the Valet switch the number of times that corresponds with the third digit of your Valet code. Turn the ignition off, then back on again. Press the Valet switch the number of times that corresponds with the fourth digit of the Valet code. Turn the engine off. If you have entered the proper code, the alarm will emit two chirps and then turn off. Five chirps indicate the wrong code has been entered. Re-enter your Valet code starting at digit one.

## Remote Controlled Chirp Muting

- Pressing the  button for one to two seconds will arm and disarm your system without the siren chirp confirmation.

## Panic Mode

- Press and hold  down for 3-4 seconds to activate Panic Mode. Press  to stop panic mode at any time.

Location of Valet Switch \_\_\_\_\_

Valet PIN Number \_\_\_\_\_





# [ Health Check ]

Directed Electronics recommend you return to your installing Avital dealer to have your system checked for correct operation. The first check is due one year after the installation date and at yearly intervals thereafter.

**NOTE:** There may be a small charge incurred for this service.

DEALER STAMP  
1 YEAR CHECK

Signed \_\_\_\_\_ Dated \_\_\_\_\_

DEALER STAMP  
2 YEAR CHECK

Signed \_\_\_\_\_ Dated \_\_\_\_\_

DEALER STAMP  
3 YEAR CHECK

Signed \_\_\_\_\_ Dated \_\_\_\_\_

DEALER STAMP  
4 YEAR CHECK

Signed \_\_\_\_\_ Dated \_\_\_\_\_

DEALER STAMP  
5 YEAR CHECK

Signed \_\_\_\_\_ Dated \_\_\_\_\_

DEALER STAMP  
6 YEAR CHECK

Signed \_\_\_\_\_ Dated \_\_\_\_\_



Directed Electronics, Inc.  
Vista, CA 92083  
[www.directed.com](http://www.directed.com)

Making changes to the existing security system will invalidate the certificate of installation. Should any fault with the system occur, please contact your installing Avital dealer as soon as is convenient.

Your system Pin Code is:

Place Pin Code sticker here.

E&OE, specification is subject to change without notice. Some vehicles require optional parts/wiring and a few are incompatible with some features. For questions regarding your Maxx<sup>2</sup> system, contact your authorised Avital dealer or the Directed Electronics UK office.

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