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Toad User & Installation Guide Index](#)

Ai606 and Ai606LCV
Alarm System
USER GUIDE

CE 0125 ① For use in all EU member states

Introduction

Thank you for choosing TOAD for your vehicle. This system provides many advanced features, some of which may be dependent on the systems already in your vehicle. Some features are identified as options - these may be installation configurable or programmable. We recommend that the system configuration and programming is best left to the authorised dealer.

We recommend that you read this guide carefully and keep it in a safe place for future reference.

Remember to complete the enclosed documentation and return it to us, so that you are fully covered under our warranty.

General Warning: Any alterations or additions to the alarm system can affect the Thatcham status of the system, and can invalidate the certificate of the insurance.



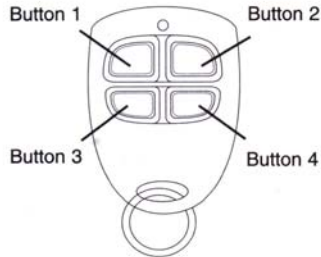
Particularly important items for you to note are identified with this symbol.

What are the Ai606 and Ai606LCV?

Toad alarms are microprocessor controlled designed to help protect vehicles and their contents from being stolen. When armed, the alarm systems will trigger if any of the doors, boot, bonnet are opened, the ignition is turned on or movement within the vehicle is detected by the internal movement sensors. A twin circuit immobiliser is included to disable your vehicle's electrical systems. These products have been rigorously tested by the insurance industry at their research centre in Thatcham, and meet with their criteria as Thatcham category 1 or L1 security products.

The radio key and optional tag keys

The radio key is used to control the alarm's various features and functions. Further radio keys can be obtained from your Toad Security dealer and can easily be programmed into your system.



The tag key offers an alternative method of arming and disarming the alarm system; the alarm can accommodate 4 radio keys and 4 tag keys at any one time.

Battery replacement - a long life Lithium battery is fitted as standard to the radio key. The replacement part is: CR2032 (one per radio key) and is available from your Toad dealer or any good auto-electrical retailer. To open the radio key, insert a slim coin into the recess near the key ring loop and twist gently, separating the two halves of the casing. Once the new battery is inserted, check the radio key LED illuminates by pressing any of the buttons.



It is wise to replace the radio key before it fails completely. An indication that the battery needs replacing would be given by a reduction in the operating range.

The tag key does not require a battery.

PIN number

In case you lose or damage your radio key and optional tag key (or the batteries are exhausted in the radio key) we have also provided you with an access Personal Identification Number (PIN). The PIN can be used for emergency disarm and to teach new radio keys to the system.



It is most important that you make a careful note of this PIN and carry it around with you in case you need it. Do not proceed until you have done this!

Normal operation

Arming the alarm

To arm the system turn off the ignition, exit the vehicle and ensure all doors/boot/bonnet are properly closed, then press button 1 on your radio key. The hazard lights will flash once and the LED will start to flash. If the alarm is connected to your central door locking system the doors will lock at this point.

Arming your immobiliser

Your immobiliser will arm at the same time as you arm the alarm as above. However, if you have not armed the alarm or opened the door after 9 minutes of turning the ignition off, the immobiliser will automatically arm itself (known as 'passive arming'). Alternatively, if you open the door the immobiliser will arm after 60 seconds. An indication that arming is in progress is given by the LED which illuminates a

constant green as soon as the ignition has been turned off and the door opened. After 60 seconds, the alarm/immobiliser will automatically arm and the LED will illuminate a constant red signal to confirm armed status.

Arming/disarming with the optional key tag

To arm the alarm/immobiliser touch the receptacle once with the tag key. The alarm will only arm after the last door has been closed (note the remote controls will not operate the alarm system until the system is disarmed with a tag key). To disarm the alarm system open the drivers door with the key (note the alarm will sound at this point) and touch the receptacle with the tag key. The alarm will disarm and allow the remote control to operate the system again.

Disarming the alarm

Pressing button 2 on your radio key will disarm the alarm and immobiliser. The indicators will flash twice. If the alarm system is connected to the vehicle's central door locking system, then the doors will unlock at this point. If you do not enter the vehicle within 60 seconds, the system will assume that you did not intend to disarm and will auto-rearm. The LED will start flashing green quickly to indicate that the auto-rearming sequence has begun. Your Toad dealer can disable auto-rearm if you prefer.



If you arm the alarm system with a door, bonnet or boot open then the indicators will flash and the siren will chirp three times for a door being open and five times for the bonnet or boot being open warning that the vehicle is not completely secure. The system will still arm, but will exclude the open zone until it is properly closed.

Passive arming

If selected, this option allows the system to arm the alarm and set the alarm/immobiliser automatically after the ignition is turned off and a door has been opened and closed. Note that locking will not be activated on passive arming, in order to ensure that the driver cannot be locked out of the vehicle. To temporarily prevent the system passive arming (for example, when loading and unloading the car), you can leave a door open. Your dealer can select these options.

PIN code disarming



It is advisable to have the PIN Code Disarm demonstrated after installation so that the correct procedure is understood.

If the alarm system is armed and the user has broken their transmitter or the batteries are exhausted, then the disarm code can be used to enable the user to start the vehicle. The sequence is as follows: -

- i) Switch the ignition on and off twice and then turn the ignition back on within 7 seconds.
- ii) To attract the users attention, the LED will fast flash for 3 seconds.
- iii) After 3 seconds, the LED will flash at a rate on 1 flash per second.
- iv) The user should count the flashes and turn the ignition off after the number of flashes equal to the first digit of their PIN code (turn the ignition off immediately after the rapid flash to obtain the 0 digit).
- v) Turn the ignition back on and the LED will flash Green for 1 second. Then count the flashes and turn the ignition on after the number of flashes equal to the second digit of the PIN code.
- vi) Repeat the procedure for the third and fourth digits.
- vii) If the PIN code is entered correctly, the system will return to disarm mode when the ignition is switched off. If the PIN code is incorrect, then the alarm system will remain in armed mode.



If an incorrect PIN code is entered three times in succession, the alarm system will block all PIN code operations for 3 minutes. During this 3-minute blocking period, the LED will flash at double rate.

Disabling interior sensors when arming (Pet Mode)

This alarm system has been designed to offer the customer different sensor options, please refer to the remote function chart at the back of this manual for further information.



It is recommended that when leaving an animal in a vehicle that the FULL PET MODE IS USED AT ALL TIMES.

Additional features

Two stage unlock (programmable vehicle dependent option only)

On certain vehicles, when the central door locking is unlocked, only the driver's door opens on the first turn of the key, the rest of the doors open on the second turn of the key. The alarm will unlock the driver's door on the first press of the radio key (button 2) on disarm, and the remainder of the doors if the radio key disarm button is pressed a second time (button 2 within 3 seconds).

Autolock with ignition on (vehicle dependent)

If you have selected this option, your vehicle doors will automatically lock when you close the doors and turn the ignition on. This is a personal safety feature to help against road rage or hijack attacks.

In-car lock/unlock (vehicle dependent)

If you have central door lock control facility, you can also lock your doors from inside the vehicle by pressing button 1 on your radio key while the ignition is switched on. By pressing button 2 the doors will unlock, also when the ignition is turned off the doors will unlock.

Panic unlock mode or optional comfort closing (vehicle dependent)

Your system also includes a panic mode, which enables you to activate the alarm from the radio key. The panic facility works regardless of whether the alarm is turned on or off. If you want to trigger the alarm, press and hold button 1 for 3 seconds. The panic facility will sound the siren and flash the indicators constantly until button 1 on the radio key is pressed again. During the panic mode the alarms immobiliser will allow the vehicle to start, enabling you to drive away. If the alarm was already armed, then the panic will unlock the doors to allow access. If the alarm was already disarmed, pressing button 1 and holding it will arm the alarm and then send it in to panic mode.



If you think that panic may be a useful facility, please make sure that you are familiar with its operation so that you can use it in an emergency.

Optional comfort closing (vehicle dependent)

Certain vehicles have the ability to automatically close the windows when the doors are locked and the key held in the lock position. The alarm can be programmed by a dealer to either offer panic or the window close option.

If the comfort closure option is used the panic feature will cease to operate.

When button no 1 is pressed on the remote and held down, the windows will begin to close. If the button is released when the windows are raising the windows will immediately stop.

The following outputs are for example only and maybe wired differently on your vehicle

**Boot/hatch release (optional output and vehicle dependent),
NOTE-This is not available if the 2 stage unlock option is used**

If your vehicle has a boot release solenoid it can be activated from the radio key by pressing button 3 on your remote control for 3 seconds. If the alarm system is already armed when button 3 is pressed, the internal motion sensors and the boot switch sensing will be disabled to ensure that the alarm is not triggered. The sensors and the boot will remain inactive until 20 seconds after the boot has been closed, then re-enabled so that your vehicle is again fully protected. The siren will emit a small chirp every 6 seconds to indicate the boot is still open.

To ensure your safety when driving, this feature cannot be activated when the ignition is on.

If your vehicle does not have the appropriate solenoid and relay, it may be possible for a TOAD dealer to fit these for you.

Optional auxiliary output

The alarm system can be used to remotely activate a feature, such as your headlights. This can be useful for your peace-of mind, when exiting an unlit car park for example. Pressing button 4 for 3 seconds will activate this function for a timed period.

If your vehicle does not have the appropriate control mechanism, it may be possible for your TOAD dealer to fit this for you.



If this option has been used, for example, to close windows - please ensure that its use, cannot present a hazard - particularly to young children.

Window/total closure optional output

The alarm system also includes an output that will be activated as long as buttons 3 and 4 are pressed. This can be used as a safe window close feature (see the warning above) closure will stop when the buttons are released. This output will disconnect the interior sensors during operation and re-connect them 10 seconds after the operation is completed.

If your vehicle does not have the appropriate control mechanism, it may be possible for your TOAD dealer to fit this for you.

Interior light illumination delay

Your vehicle's interior light will automatically be held on for 20 seconds on disarming the alarm.

Automatic features

Alarm source indication

If the alarm system has been triggered, it will flash the indicators and chirp the siren 4 times when you disarm. When the ignition is first turned on the sensor, which has triggered the alarm system, will be indicated by the number of LED flashes.

Flashes	Sensor
2	Optional sensors
3	Doors (-)
4	Boot/bonnet
5	Doors (+)
6	Ultrasonic sensors
7	Ignition



If your system false-alarms, please note the indication from the LED as will be of assistance to your dealer in rectifying any problem.

Battery drain

The alarm systems have been designed to draw as small an amount of current from your battery as possible. It should therefore not adversely affect most vehicles' batteries, if left unattended for up to about two weeks.

Introducing and removing radio keys and optional tag keys

Your alarm systems can accommodate up to 4 radio keys and 4 tag keys. To use a new key/tag with your system it is necessary to introduce the key/tag to the system, as follows:

- Enter the PIN code as described previously.
- Turn the ignition back on and press button 1 on a new key/tag to teach it to the system.
- Turn the ignition off.
- Leave the ignition off for 25 seconds to exit

Deleting keys and tags

If you wish to delete existing keys/tags from your system, for example if you have lost a radio key, this can be achieved using the systems programming functions. As access to these functions can affect the basic operation of the alarm system, it is recommended that you entrust this to your TOAD dealer.

Hints and tips

If you leave items hanging in your vehicle, a coat for example, or wish to leave the sun roof open, you can prevent false alarms from the internal sensors by arming the vehicle with these sensors disabled - see 'Pet Mode'.

If you do not enter your vehicle immediately after disarming, you can prevent the system from auto rearming by momentarily opening a door.

Problem solving. What happens if...?

- Q. My radio key range is getting shorter?
 - A. The radio battery is going flat. Call your TOAD dealer for a replacement battery.
- Q. I have lost/damaged my radio key?
 - A. You can disarm the system by using your PIN number, or tag key (optional).
- Q. I get three/five chirps/flashes when I arm the system instead of the usual one flash?
 - A. The system is warning you that a door or bonnet/boot is open. Disarm the system, correct the problem and start again.
- Q. I get four chirps/flashes when I disarm the system instead of the usual two flashes?
 - A. The system has seen an alarm - check the indication on the system LED after disarming to find out which sensor has been triggered.
- Q. I have disarmed the system a few minutes ago, but now the alarm is armed again?
 - A. It is possible that the system recognised that you did not enter the car, so it has automatically re-armed, and locked the doors if this option is selected.

Control summary

Key: * = Press button (together if two buttons are indicated)
 *(1st) = Press buttons one after the other in the indicated order
 *(3s) = Press button and hold for three seconds (together if two buttons are indicated)
 ** = Press button twice, in rapid sequence
 *** = Press button three times in quick succession (within 3 seconds)

Ai606/Ai606LCV	Button 1	Button 2	Button 3	Button 4	Conditions
Arm (and lock)	*				Ignition OFF
Lock	*				Ignition ON
Arm, disable interior sensors	**				Ignition OFF
Arm with ultrasonics enabled	***				Ignition OFF
Arm with single stage sensor trigger enabled (no ultrasonics)	**(1st)	(2nd)			Ignition OFF
Arm with two stage main trigger enabled (no ultrasonics)	**(1st)		*(2nd)		Ignition OFF
Arm with two stage pre-warn enabled (no ultrasonics no main trigger)	**(1st)			*(2nd)	Ignition OFF
Disarm (and unlock)		*			Ignition OFF
Unlock		*			Ignition ON
Disarm, silence chirp		*(2nd)	(1st)		Ignition OFF
Panic and unlock	*(3s)				
Programmable output			*(3s)		Ignition OFF
Auxiliary output			*(3s)	*(3s)	Ignition OFF
Window/total closure			*(hold)	*(hold)	Ignition OFF
2nd car arm	*		*		
2nd car disarm		*	*		
Immobiliser disarm	*	*	*	*	Ignition on when alarms disarmed and immobiliser armed . Press any button
2 stage unlock		**			Ignition OFF

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Maintenance and service

Your dealer will be able to assist you in the event of any problems with your alarm system. If you experience any difficulty with your alarm system, take your vehicle back to your dealer and ask for assistance.

If you lose either of your coded touch keys, your dealer will be able to assist you in obtaining replacements.

All information is supplied in good faith but from time to time certain changes in specification/features may occur without notice.

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