

The main title of the manual. On the left is a blue square containing a white silhouette of a car's front view. To the right of the square, the text 'AUTO WATCH' is written in large, bold, white letters, with 'WATCH' in a blue color. Below this, 'GHOST III' is written in white, and 'OWNERS MANUAL' is written in white at the bottom.

AUTO WATCH GHOST III OWNERS MANUAL

SMART VEHICLE PROTECTION

***Security Guaranteed or your money back!**

General information

The Autowatch Ghost III is the next generation of the ground-breaking Ghost immobiliser. Ghost III has an innovative mechanism of engine lockout that uses the data network on the vehicle so that there is no additional wiring that can easily be found. Disarming the Ghost III can be done by using a disarm sequence on the standard vehicle buttons, just like the original Ghost.

The Ghost III adds another layer of convenience by allowing two smartphones and two key-fob tags to disarm the Ghost III. The Ghost III cannot be found using normal theft methods as it has no LED's or buttons giving away its location. Moreover, due to the use of the latest micro-manufacturing techniques the Ghost III is small enough to hide almost anywhere in the vehicle.

The Ghost III is the new smart way to protect your vehicle.

Terms and abbreviations

- Disarm sequence – this is the unique sequence of button presses you choose and program into the Ghost III that is used by you to disarm the system and allow you to drive.
- Indication signal – On all Ghost III installations there is deliberately NO dash mounted flashing LED. Instead, we use a model specific dash warning light, most commonly the left and right indicator signals, unless otherwise detailed by the installer.
- Learn mode- the mode to enter to change various aspects of the Ghost III such as the Disarm sequence, or to pair phones or fobs.
- Service button – a single button is defined for each vehicle that is used to put the vehicle into service / valet mode.

Write down your service button information here:



Hints and Tips

Here are a few things that will be helpful in making sure your experience with the Ghost III is hassle free.

- For those vehicles that the Ghost III can stall the engine, it may be possible to start the engine before entering the disarm sequence. In this case your vehicle will either, (1) not be able to move out of Park, (2) the engine will stall if the gear selector is moved from Park or (3) the engine will stall if your vehicle moves backwards or forwards.
- The Ghost III automatically returns to the armed state after 3 to 30 seconds with your vehicle ignition off, (this timing is vehicle dependent).
- Wait for the double flash on the indication signal before either starting (on start inhibited cars) or changing gear (gearbox lock or stall vehicles).
- If at any point you get confused or enter the wrong disarm sequence, simply switch off the ignition and wait 10 seconds. After this follow the normal disarming procedure.

Normal operation

Entering the disarm sequence.

When you take delivery of your vehicle with the Ghost III installed, the professionally trained installation team will have set a default disarm sequence for you. This is generally simple and, for your security, should be changed as soon as possible after delivery. To enter the disarm sequence follow these simple steps:

1. Switch on your vehicle's ignition. If the immobilisation is not starter inhibit then it may be possible start the engine at this step.
2. Press each button in the disarm sequence in the correct order. Whilst getting used to the process it is advantageous to do each press firmly and deliberately.
3. Wait until the indication signal flashes twice before starting your vehicle.

Should the code not be accepted after the first attempt simply wait 5 seconds and try again. If this does not work then turn off the ignition, wait 10 seconds, and start again at step 1.

Using a smartphone or key-fob

If you have paired a smartphone or key-fob with the Ghost III you do not need to enter the disarm sequence to disarm the Ghost III.

The Ghost III will detect the smartphone or key-fob and flash the indication signal twice as soon as the ignition is switched on and allow you to drive your vehicle.

Do not leave the key-fob or smartphone in the vehicle as this will leave the Ghost III disarmed.

ATTENTION! Should you misplace a paired smartphone or key-fob it is advisable to clear all pairings. Once this is done the remaining or replacement smartphones and key-fobs will need to be re-paired with the Ghost III. Details on these procedures are given in this manual on page 11.

Service/valet mode

Your Ghost III has a service/valet mode whereby you will not require the disarm sequence to be entered before starting or driving your vehicle. This is used when the vehicle is being serviced or valet parked.

Note: This mode is not meant as a permanent override and will automatically exit when the vehicle exceeds a speed of 32 mph (50 km/h) and continues to drive for a period of 15 minutes. After this the Ghost III will need the disarm sequence before the next start attempt. When exiting service/valet mode the signal indication will flash twice, and the Ghost III will re-arm once the ignition is switched off.

To enter service/valet mode simply enter the disarm sequence as normal. Once the indication signal flashes twice press the service button 5 times. The indication signal will flash 5 times to confirm that your Ghost III is now in service/valet mode.

To manually exit service/valet mode simply enter the disarm sequence at any time while the ignition is switched on.

N.B. The Ghost III will not exit from service mode whilst in proximity of any paired phones or fobs.

Hint: Activate service mode at the end of the drive to the service centre to ensure it is enabled correctly.

Setup / configuration

Entering 'LEARN MODE' mode

1. Normal Procedure

- a. Switch on your vehicle ignition.
- b. Enter the current disarm sequence **DO NOT START THE ENGINE!**

Press and hold the *accelerator pedal to the floor.

- c. Enter the current disarm sequence again.
- d. The Ghost III will now be in learn mode; the indication signal will flash every 3 seconds to confirm this. You may now release the accelerator pedal.

Changing the disarm sequence.

Before changing the disarm sequence, here are some important things to consider and remember.

- You need to know which buttons of your specific vehicle can be used for the disarm sequence.
- During the learn procedure, each press of a button in the disarm sequence must be not more than 2 seconds apart.
- Each press will be confirmed by a single flash of the indication signal – on some vehicles this can be difficult to determine as the indication signal flash is not fast enough to notice the gap between flashes.
- Some buttons are only active 2 to 5 seconds after the ignition is switched on.
- Some buttons require a long press (1 second) before activating
- The disarm sequence must be between 4 and 20 button presses long.
- Most buttons can be repeated.
- Your service button cannot be used more than 4 times in a row in the disarm sequence.

Before you start the learn process, plan the disarm sequence so that there is no hesitation whilst trying to learn it into the Ghost III :

1. Your vehicles ignition will be switched on following one of the ways to enter learn mode as described above, the indication signal will be flashing once every 3 seconds
2. Enter the new disarm sequence.
3. Wait for 3 flashes of the indication signal.
4. Enter the same new disarm sequence again.
5. Wait 2 seconds.
6. If the new disarm sequence has been correctly entered and accepted the indication signal will flash twice. If the new disarm sequence was not correctly entered the indication signal will flash 4 times. Switch off the ignition and start the process again.

Information: if the indication signal flashes more than 4 times or in 2 double flashes that means the same disarm sequence was learned in. This process deletes all smartphone pairings from Ghost III.

Smartphone application

Your Ghost III can connect to our unique smartphone application using Bluetooth Low Energy (BLE version 4.0 upward). The Ghost III can connect to two smart-phones. When connected to this application you can simply get into your car and drive away without entering the disarm sequence. The smartphone/Ghost III communication is entirely encrypted and uses a unique code for every unit, so that nobody can copy or take control of your Ghost III. You can find the app by searching “Autowatch Ghost-II” in iTunes or the Google Play Store.

Connecting your Ghost to smartphone Once you have installed the Ghost-III app from your app store.

Follow these steps to create a connection

1. Switch on the Bluetooth on your smartphone ignition WITHOUT starting the engine and enter LEARN MODE (see page 8).
2. Press accelerator 3 times - wait for 3 flashes. Press accelerator 1 time - wait for 1 flash. Press accelerator 1 time - wait for 1 flash.
3. Open Ghost-II app and press the ‘+’ symbol when

prompted, enter the six-digit pairing number from the back of your Ghost III card. When you press pair, if successful the Ghost III will double flash the indication.

4. The Ghost-II app will appear to be searching still, force and close/force stop the app and switch the vehicle off.
5. Reopen the Ghost-II app and tap the key symbol to turn orange, and then start the vehicle engine, wait for the disarm indication.

Communication between the Ghost III and the smart phone is done through a secure, encrypted channel and the connection code is randomly assigned to each Ghost III for maximum security.

Should the connection not be possible try following the procedure again. Should the connection still not be successful then do the following steps to clear the Ghost III and smartphone of any previous smartphone connections.

Connecting key-fobs

To connect a new key-fob to the Ghost III follow this procedure:

1. Remove the battery from the new key-fob and pinch together the '+ve and '-ve battery contacts on the fob.
2. Switch on the ignition without starting the engine.
3. Enter LEARN MODE (see page.8).
4. Press accelerator 3 times - wait for 3 flashes. Press accelerator 2 times - wait for 2 flashes. Press accelerator 1 times - wait for 1 flash.
5. Press and hold the button on the fob and insert the battery.

6. Keep the fob button held until the Ghost III gives the double flash indication.
7. Turn ignition off.

*If you have the smaller key- fob (GI5), (see images below) the LED will flash green, and then long flash red (opposite instructions to the larger GI5A).

Key-fob GI 5A



Key-fob GI5



You need to wait up to 30 seconds for the pairing to be done.

Check that the key-fob is working correctly by switching off the ignition and removing the vehicle key. Wait for 15 seconds and switch on the ignition. If the key-fob is working correctly the indication signal will flash twice to confirm disarm.

If the learning process does not work the key-fob LED will continue to flash green for 30 seconds.

Simply start the process again.

Smartphone: SETTINGS - BLUETOOTH DEVICES GHOST - DELETE CONNECTION (PAIRING)

Vehicle: Enter Ghost III disarm Learn mode (refer to page 14 - point 6) and enter the disarm sequence in effect, you will enter the disarm sequence a total of 4 times)

Deleting Phone Pairings

1. Switch ignition on without starting the engine.
2. Enter LEARN MODE Learn mode, (p g. 8)
3. Press accelerator 3 times and wait for 3 flashes, then press accelerator 1 time and wait 1 flash, then press accelerator 2 times and wait for 2 flashes. Delete is complete.
4. Turn off ignition.

Deleting Fob Pairings

1. Turn ignition on without starting the engine.
2. Enter LEARN MODE (Page.8)
3. Press accelerator 3 times and wait for 3 flashes, then press the accelerator 2 times and wait for 2 flashes, then press accelerator again and then wait for 2 flashes – Delete complete.
4. Turn off ignition.

Emergency code procedure: - This is used if the disarm sequence has been forgotten or a button is no longer working.

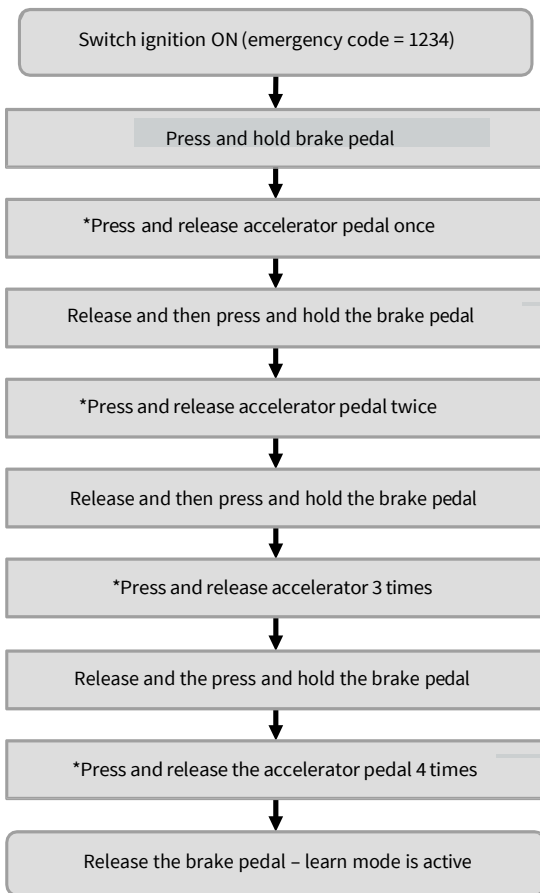
- a. Locate your emergency 4-digit code. This is found on your Ghost III card, behind the scratch of Security protection strip on the back of your card.
- b. Switch on your vehicle ignition.
- c. Press and hold the brake pedal.
- d. Press the *accelerator pedal to the floor and release it again, repeated as per the digit of the emergency code.
- e. Release the brake pedal.
- f. Repeat b,c,d for the remaining 3 digits – see flow chart on the next page for an example for an emergency code of 1234.

The Ghost III will now be in learn mode; the signal indicators will flash every 3 seconds to confirm this.

Note: Once the emergency code is used you will be able to start and drive the vehicle without entering a code or learning a new code.

Information: On certain vehicles the *accelerator pedal is not possible to read on the CAN data network. If this is the case it will be replaced by an alternative. This should be noted by the installer in this document.

However most often the alternative is the high-beam stalk (hold towards driver's seat) or hazard warning switch (press and hold, ignoring indicator flashing).



*Accelerator or High beam stalk

Notes:

Accelerator or high beam:
Service button:
Buttons available:
Vehicle specific notes:

Technical specifications Ghost III

Standby current consumption (max) 8 mA

Operating voltage 6-15 V

Bluetooth key-fobs

Radio frequency 2.4 GHz

Battery type CR2032

Battery life (estimate) 6 months

Warranty

Autowatch UK warrants this product to the original consumer purchaser to be free from defects in workmanship and material for a period of 2 years should this product be found to be defective in the vehicle to which it was originally installed. Autowatch UK shall repair or replace the product or any part of the product which Autowatch UK agrees is defective without charge. This warranty does not apply to any product which has been damaged by accident, physical or electrical abuse, improper installation, any use contrary to its intended function, unauthorised service (i.e. service by anyone other than Autowatch UK or its authorised agents'/service personnel), fire, flooding, lighting, or other acts of God.

Indemnity

Autowatch UK limited shall not be responsible for any removal and /or installation charges, damage to or the theft of the vehicle or its contents, or any incident or consequential damages caused by any failure of the product to function properly. Under no circumstances should this warranty, or the product covered by it, be construed as an insurance policy against loss. Autowatch UK neither assumes nor authorises any persons or organisation to make any warranties, nor does it assume any liability in connection with the safe installation or use of this product. This is the complete Autowatch UK warranty and no other warranty exists.

Ghost III Security Guarantee

New Smart Vehicle Protection – Guaranteed Security or your Money Back! The Autowatch Security Guarantee is applicable to the Ghost III when installed on a vehicle. If in the unlikely event a vehicle that has a Ghost III installed in it, is stolen and not recovered within 2 months, we will refund the owner of the vehicle for the full amount they were charged to have the Ghost III installed. This guarantee is subject to the following terms and conditions listed below:

- 1) The Car must belong to the person that paid to have the Ghost III installed into the vehicle. This guarantee is not transferred to a new owner when the car is sold on. The guarantee is valid for as long as the original owner owns the vehicle, and the Ghost III remains in the vehicle to which it was first registered.
- 2) The installation of the Ghost III must be registered with us.
- 3) If a claim is made the following information must be provided before the money will be refunded:
 - a. Installation invoice must be provided.
 - b. Police reference number must be provided as proof that the theft has been reported.
 - c. If the customer has insurance theft cover, proof that the Insurance Company has paid out because the vehicle has not been recovered.
 - d. Proof of ID
 - e. Proof of vehicle ownership – copy of the V5.
 - f. Payment will be made 2 months after the reported theft to ensure the vehicle has not been recovered.

