AUTOWATCH GHOST

OWNERS MANUAL

Congratulations! You have purchased the latest world leading high-tech vehicle security product. The Autowatch Ghost is the world's first Aftermarket CAN bus immobiliser. The Autowatch Ghost delivers uncompromising security without the requirement of the standard traditional key fob deactivation, instead utilising existing dash and steering wheel control button pushes in a personalised PIN Code push button sequence to deactivate the system. This ensures total security as the deactivation method is now NOT a part of the car-key and is invisible to even the most professional thieves. This ensures car key theft is no longer a threat to you!!

Where other immobilisers and tracking systems can be found or jammed, the Autowatch Ghost remains hidden and secure.

Terms and abbreviations

- **PIN code** – this is the unique sequence of button presses you choose and program into the Ghost. Without entering this sequence prior to starting, your vehicle is not going anywhere.
- **Indication signal** – on all Ghost installations there is deliberately NO dash mounted flashing LED as this would help thieves trace the wires back to the module and compromise security. Instead we use a model specific dash warning light to confirm deactivation and for programming different features. Most commonly the left or right indicator signal or the check-engine warning signal are used by the Ghost as a substitute for an external Status LED.
- **Service button** – a single button is defined for each vehicle that is used to put the vehicle into service / valet mode.

Your vehicle's service button and indication signal are:

Hints and tips

Here are a few things that will be helpful in making sure your experience with the Autowatch Ghost is a pleasant one.

- For those vehicles that the Autowatch Ghost can stall the engine, it may be possible to start the engine before entering the PIN code. In this case your vehicle with 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 Autowatch Ghost automatically returns to the armed state after 3 seconds with your vehicle ignition off.
- On most vehicles it is not necessary to wait for the indication signal to flash twice after you have entered your PIN code before you can start your engine. Practice to see how quickly your vehicles Autowatch Ghost becomes disarmed to reduce the time spent before starting your engine.

Entering your PIN code

When you take delivery of your vehicle with an Autowatch Ghost installed, the professionally trained installation team will have set a default PIN code for you. This is generally simple and, for your security, should be changed as soon as possible after delivery.

To enter your PIN code follow these simple steps:

1. Switch on your vehicles ignition
2. Press each button in the PIN code 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.

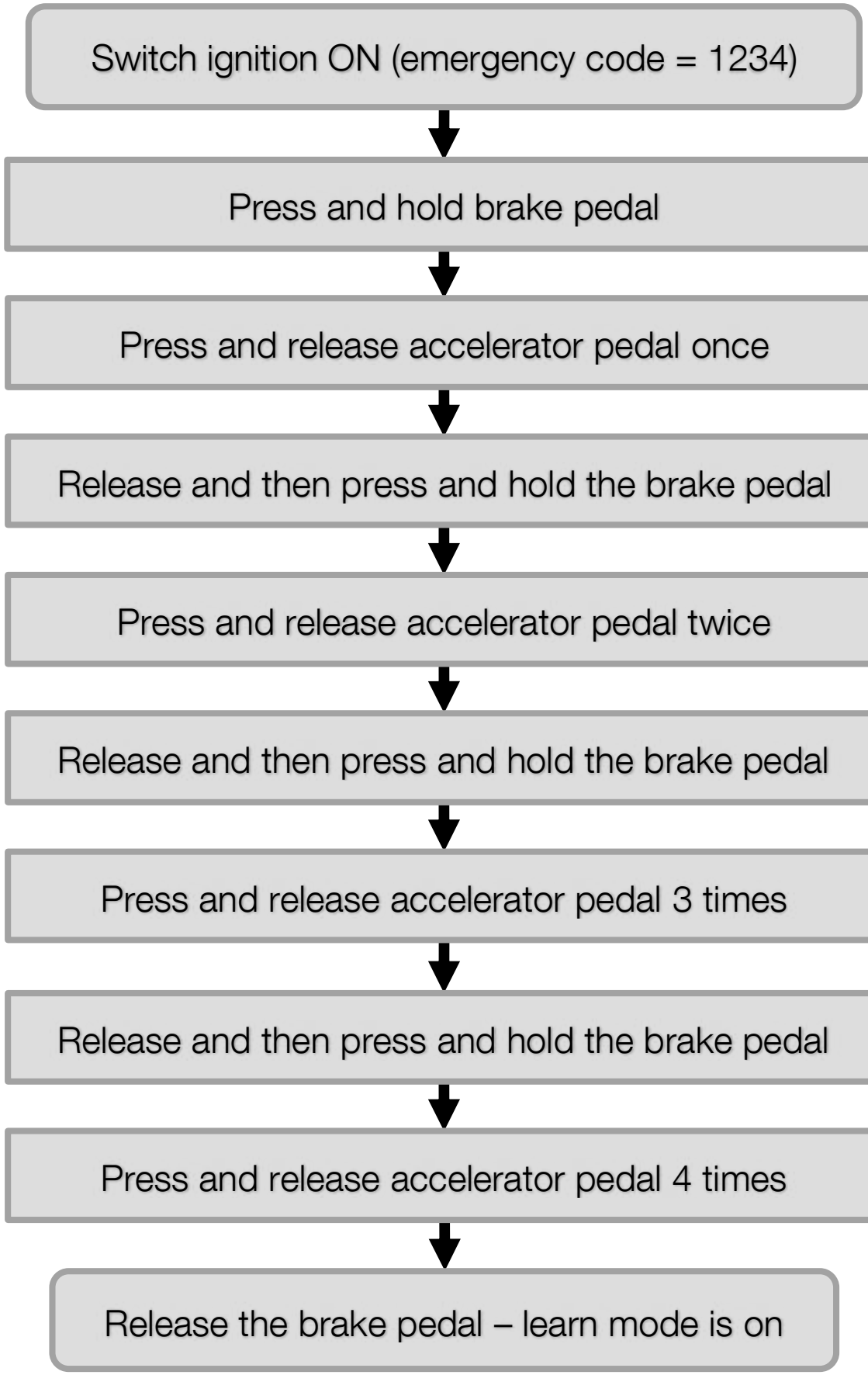
Changing your PIN code

Entering learn mode

There are 3 ways to enter Learn Mode:

1. **On first installation:** - This cannot be used after the unit has been securely hidden inside the vehicle and is only used by the installer to set the initial PIN code.
2. **User PIN code change procedure:**
   a. Switch on your vehicle ignition.
   b. Enter your current PIN code **(DO NOT START THE ENGINE!)**.
   c. Press and hold the accelerator pedal to the floor.
   d. Enter your current PIN code again.
   e. The Autowatch Ghost will now be in learn mode, the indication signal will flash every 3 seconds to confirm this. You may now release the accelerator pedal.
   f. Do not switch ignition off before setting the new PIN code – See instruction on setting a new PIN once in learn mode.

3. **Emergency code entry:** - This is used if the PIN has been forgotten or a button is no longer working.
   a. Locate your emergency 4-digit code. This is found on your Autowatch Ghost card, behind the scratch off security protection, or contact Autowatch.
   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.
   g. The Autowatch Ghost will now be in learn mode, the signal indicators will flash every 3 seconds to confirm this.
   h. Do not switch your vehicles ignition off before setting the new PIN code – See instruction on setting a new PIN once in learn mode.


Switch ignition ON (emergency code = 1234)
Press and hold brake pedal
Press and release accelerator pedal once
Release and then press and hold the brake pedal
Press and release accelerator pedal twice
Release and then press and hold the brake pedal
Press and release accelerator pedal 3 times
Release and then press and hold the brake pedal
Press and release accelerator pedal 4 times
Release the brake pedal – learn mode is on

Learning a new PIN code

Before learning your new PIN code, here are some important things to consider and remember.

- You need to know which buttons of your specific vehicle can be used for the PIN code. Ask your installer or contact Autowatch UK.
- During the learn procedure, each press of a button in the PIN code must be no more than 2 seconds apart.
- Each press will be confirmed by a single flash of the Signal Indicator – on some vehicles this can be difficult to determine as the indication signal flash could be a predetermined length. If this is the case, do not worry, simply press the desired sequence.
- Your PIN code must be between 4 and 20 button presses long.
- All buttons can be repeated (exceptions to this will be pointed out to you by your installer or sales assistant).
- Your service button cannot be used more than 4 times in a row in your PIN code.

- Do not write your PIN code down or share it with anyone other than those who are allowed to drive your vehicle.

Before you start the learn process, plan your PIN code so that there is no hesitation whilst trying to learn it into the Autowatch Ghost. Now that you have your new PIN code in mind let's learn it in:

1. Your vehicles ignition will be switched on following one of the 3 ways to enter learn mode as described above. This is confirmed by the indication signal flashing every 3 seconds)
2. Enter your new PIN code.
3. Wait for 3 flashes of the indication signal.
4. Enter the same new PIN code again.
5. Wait 2 seconds.
6. IF the new PIN code has been correctly entered and accepted the indication signal will flash twice.
7. IF the new PIN code was not correctly entered the indication signal will flash 4 times. The unit will again be in learn mode and you may attempt to learn the new PIN again.

Service / valet mode

Your Autowatch Ghost has a service / valet mode whereby the unit will not require the PIN code to be entered. 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 30 mph for a continuous period of 3 minutes. After this the Ghost will need a PIN code to disarm on the next start attempt.

To enter service / valet mode simply enter your PIN code 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 Autowatch Ghost is now in service / valet mode.

You can manually exit service / valet mode simply enter your PIN code at any time while the ignition is switched on.

iPhone application

Your Autowatch Ghost can connect to our unique iPhone application using Bluetooth Low Energy. When connected to this application you can simply get in your car and drive away without entering the PIN code. The iPhone/Ghost communication is entirely encrypted and uses a unique code for every unit so nobody can copy or take control of your Ghost. You can find the app by searching “Autowatch Ghost” in iTunes.

The application is compatible with iPhone 4s and newer, running iOS version 7.1 onwards.

Pairing your Ghost to your iPhone

Once you have installed the Autowatch Ghost app from iTunes app store. Open the app and follow the instructions in the app about how to create a pairing.

The Bluetooth code for your Autowatch Ghost is:

Removing a pairing

Once an iPhone has been paired with an Autowatch Ghost it can be removed in one of two ways.

1. Mutual removal
2. Forced removal

Mutual removal

This is the preferred method of removing the Bluetooth pairing. To achieve this, you need to be in range and connected to the vehicle. Select the remove pairing option in the Autowatch Ghost app. The iPhone and Autowatch Ghost are now free to create a new pairing.

Forced removal

Only use this in the event of the iPhone or vehicle not being available to perform the mutual removal process. If you perform the forced removal process on either the iPhone or Autowatch Ghost, it will leave the other part of the pairing unable to create another pairing until it too has gone through the corresponding forced removal

process. Compete both forced removals to allow pairing to be done in future.

In app forced removal: To remove the Autowatch Ghost from the iPhone, follow the instruction in the app.

In vehicle forced removal: To remove the smart-phone from the Autowatch Ghost you simply re-learn your current PIN code. To do this follow the PIN change procedure mentioned in this document and simply re-enter your current PIN code. The indications will flash rapidly at the end on the procedure to confirm that the iPhone pairing has been removed. Your PIN code will not have changed in this process.

Hints and tips

All vehicles have different programmable options and it is important to know how your Ghost system has been programmed for your specific model vehicle. One needs to establish what sort of immobilisation is available for your specific year model vehicle and what option has currently been

programmed. There are 3 different modes of immobilization and not all options are available to all vehicles. Starter isolate, engine stall and gearbox lock.

Starter isolate – The vehicle will not crank the engine to start. Before you can start the vehicle you must turn the ignition on, enter your PIN code, wait for the 2 flash indication and then start the engine

Engine stall – The engine will start before entering the PIN code however, if you do not enter your PIN code and gear selector is moved from P the engine will stall.

Gearbox lock – The engine will start before entering the PIN code but the gear selector will either stay recessed or locked until the PIN code has been entered.

Auto arming – The Ghost will always automatically re-arm 3 (30 for VAG vehicles) seconds after the ignition has been switched off. There is no indication when this happens.

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 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 the complete Autowatch UK warranty and no other warranty exists.