



HA - 280 PRO

USER'S MANUAL



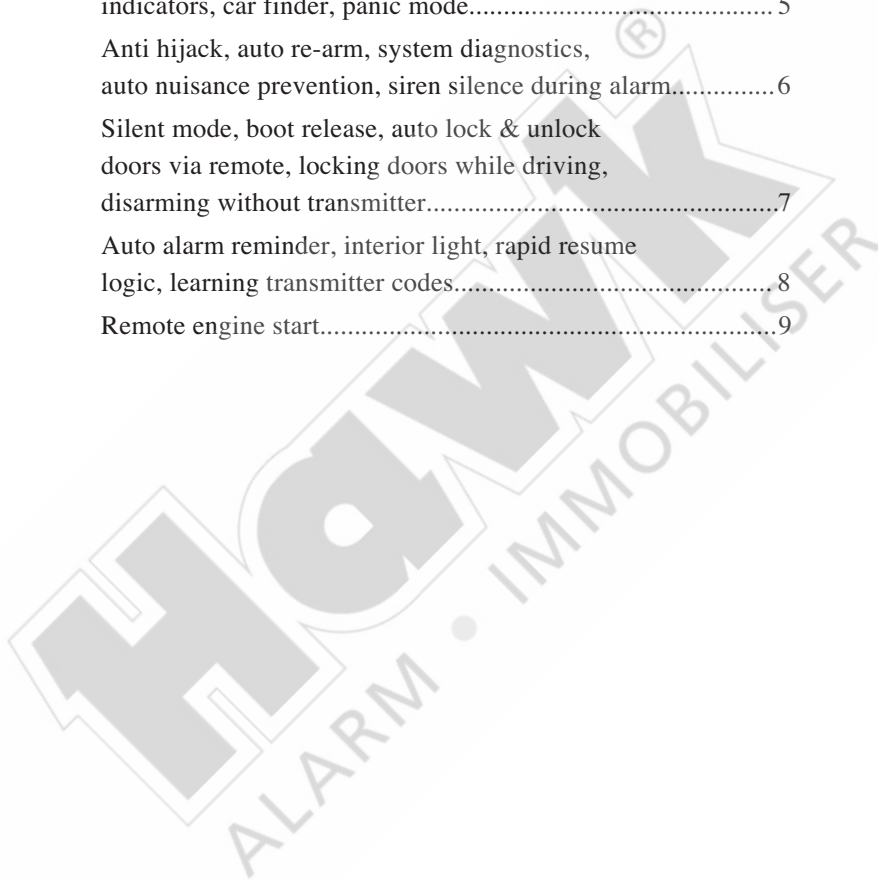
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**THIS INSTRUCTION MANUAL IS IMPORTANT.
PLEASE READ IT BEFORE INSTALLING THE UNIT.**

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HA-280 PRO – Owner's guide

Congratulations on the purchase of your state of the art vehicle security system. This system has been designed to provide years of trouble-free operation.

HA-280 Pro is a reliable car alarm system, which provides 2 designs to prevent the car thieving. The first design is to use the loud siren. When any illegal intrusion happens, the siren will sound loudly to warn the intruder. The second design is to use an immobilisation system to disable the engine start. With the peripheral devices, the system can provide the following main protection:





- Ignition trigger: illegally turn IGNITION ON, the alarm will be triggered.
- Boot trigger: illegally open the boot, the alarm will be triggered.
- Door trigger: illegally open the door, the alarm will be triggered.
- AUX trigger: it can be used on any other additional sensor, e.g. bonnet trigger. Illegally open the bonnet, the alarm will be triggered.
- Ultrasonic / Microwave trigger: moving inside the car, the alarm will be triggered.
- Dual zone shock sensor: this sensor is mounted in the vehicle and designed to pick up impacts to the vehicle or glass.

This owner's guide should help you to get the most out of your system. Please take the time to read it prior to using the system.


HAWK HA-280 Pro system consists of the following main components:

- Two military grade encrypted Remote transmitters.
- Main unit with remote start and central door locking relays built in.
- Dual zone HAWKGUARD shock sensor.
- HAWKGUARD Ultrasonic sensor.
- Engine immobiliser relay.
- 125db battery back up siren with 2 keys.
- 2 x HAWK window stickers.
- Various cables and screws.




-  **Arm Alarm**
-  **Silent Alarm**
-  **Disarm Alarm**
-  **Remote Start**

Arming


You can activate, or arm, the system by pressing  on your transmitter for one second. When system arms you will hear a short siren sound and the hazard lights will flash once. If the vehicle's central door locking have been connected to the system, the doors will lock and close electric window (if optional module HA-64 has been installed).

While the system is armed, the status LED will flash approximately once per second, indicating that the system is actively protecting your vehicle. If you hear a second siren sound followed by 3 chirps, it indicates door(s) not closed properly.

Disarming

To disarm the system press . You will hear 3 chirps, and the hazard lights will flash three times. If central locking is connected to the system, the doors will unlock.

Temporary isolation of shock/ ultra sonic sensors

It's possible to temporarily disconnect the shock and ultra sonic sensors when leaving children or pets in the car. Press and hold  for approx 5 seconds. You will hear 1 chirp, followed by further 3 chirps and the hazard light will flash three times. This indicates system is fully armed minus ultra sonic and shock sensors.

Alarm memory

If any sensor has been activated whilst in armed mode, when disarmed system will indicate which arming area was triggered.

Alarm Zone Triggered	Normal Alarm Mode	Silent Alarm Mode
Ultrasonic/shock sensor	Siren sound 3 times	Siren sound once and hazard light flash 3 times
Door/ignition	Siren sound 4 times	Siren sound twice and hazard light flash 4 times

Unique alarm trip indicators


System's siren sounding will tell you how alarm was triggered.

- If a door or ignition was triggered siren will do a continuous blast.
- If one of the ultra sonic or shock sensors triggered, siren will sound intermittently.



Car finder

When system is in armed mode, press  once, siren sound once, hazard light will flash once. This feature is particularly useful to find the car in a large car park etc.

Panic mode

If you are threatened in or near your vehicle, you can attract attention by triggering system with your transmitter! Just press  for 3 seconds under armed mode and you will enter panic mode. The siren will sound for 30 seconds and the hazard lights will flash for 30 seconds.

Anti hijack

Press  for 2 seconds when engine is running, hazard light will flash quickly, and then press  once within 15 seconds. Siren will sound, hazard light will flash continuously. Engine will stop immediately.

Press  to de-activate anti hijack mode.

Auto re-arm

If you disarm the system and do not enter your car within 30 seconds, the alarm will automatically re-arm and close doors, if central locking system fitted.

System diagnostics


The 8bit microprocessor at the heart of your security system is constantly monitoring all of switches and sensors that are connected to it. It detects any faulty switches and sensors and prevents them from disabling the entire system.

When arming the system if any door or bonnet left open, system will automatically notify by extra chirp and hazard light will flash.

Auto nuisance prevention

It prevents annoying repetitive trigger sequences due to faulty sensors. If system detects faulty sensor, it will automatically by-pass faulty sensor.

Siren silence during alarm

When the siren has been triggered, siren can be turned off without switching off the alarm. Press  button once during siren sounding duration.

Silent mode

To temporarily turn off arm or disarm chirps, use silent mode. Simply press , hazard light will flash once and the confirmation chirp(s) will be eliminated for that one operation only.

To disarm in silent mode just press  once.

Boot release

Under disarm mode press and hold  for approx 3 seconds to release boot.

Auto lock & unlock doors via remote

Turn the ignition on, press  to close all doors. Press  to open all doors.

Locking doors while driving

When you press brake pedal your system will automatically lock all doors while driving. Turn ignition off to open all doors.

Please note: if ignition on and any doors opened, it will not lock doors via above method.

Disarming without transmitter

This feature allows you to disarm the security system without the remote transmitter should it be lost, damaged or disabled.

To disarm the security system, open the door (alarm will sound) turn ignition to the on and off position five times within 5 seconds. Successful disarming of security system will be indicated by siren sounding 3 times. If the system does not disarm, you may have waited too long; turn the ignition off and try again.

Auto alarm reminder

When car is parked and owner left car after 10 seconds, system will sound siren 3 times and flash hazard light 3 times to remind the owner to arm the security system.

Interior light

When system disarmed interior light will come on automatically for 30 seconds.

Rapid resume logic

This system will store its current state to non-volatile memory. If power is lost and then reconnected the system will recall the stored state from memory. This means if the unit is in armed mode and the battery disconnected for any reason, when battery is reconnected the unit will still be in armed mode. This applies to all states of the system including armed, disarmed etc.

Learning transmitter codes

This alarm system can support up to 4 remote controls. The included transmitter is pre-programmed into the system memory at the factory. Follow the below steps to add or delete a new transmitter.

1. In disarming mode, IGNITION OFF position. Turn IGNITION ON/OFF 8 times within 2 seconds and lastly turn it ON, siren will sound once, indicating system entered into code learning mode.
2. Press and hold (within 10 seconds) any button on the first remote for 1 second, siren will sound for longer duration once and followed by siren sounding for short duration. This indicates remote has been learned. The second, third and fourth remote can be learned at the same way. After the fourth remote finished learning, the siren will sound for long duration to indicate the system exited learning mode. Turn IGNITION off. If the remote did not get any new codes within 10 seconds, the system will exit learning mode automatically.

Note: once entered into code learning mode, all previously learned remotes will be cleared.

Remote engine start



Warning! Safety first:

When properly installed, this system can start the vehicle via a command signal from the remote control transmitter.

Therefore, never operate the system in an enclosed area or partially enclosed area without ventilation (such as a garage). It is the user's sole responsibility to properly handle and keep out of reach from children all remote control transmitters to assure that the system does not unintentionally remote start the vehicle. **THE USER MUST INSTALL A CARBON MONOXIDE DETECTOR IN OR ABOUT THE LIVING AREA ADJACENT TO THE VEHICLE. ALL DOORS LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST AT ALL TIMES REMAIN CLOSED.** These precautions are the sole responsibility of the user.

Use of this product in a manner contrary to its intended mode of operation may result in property damage, personal injury, or death.



- (1) Never remotely start the vehicle with the vehicle in gear, and
- (2) Never remotely start the vehicle with the keys in the ignition.

The user must also have the neutral safety feature of the vehicle periodically checked, wherein the vehicle must not remotely start while the car is in gear. If the vehicle starts in gear, cease remote start operation immediately and consult with the authorised dealer to fix the problem.



OPERATION OF THE REMOTE START MODULE IF THE VEHICLE STARTS IN GEAR IS CONTRARY TO ITS INTENDED MODE OF OPERATION. OPERATING THE REMOTE START SYSTEM UNDER THESE CONDITIONS MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY. YOU MUST IMMEDIATELY CEASE THE USE OF THE UNIT AND SEEK THE ASSISTANCE OF AN AUTHORISED DEALER TO REPAIR OR DISCONNECT THE INSTALLED REMOTE START MODULE. HAWK CAR ALARM WILL NOT BE HELD RESPONSIBLE OR PAY FOR INSTALLATION OR REINSTALLATION COSTS.

This feature allows you to remotely start and run your vehicle for a period of time. This makes it possible to warm up the engine, as well as adjust the interior temperature of the vehicle with the climate control system. If interior heating or cooling is desired, the climate controls must be preset, and the fan blower must be set to the desired level prior to remote engine starting.

To remote start the vehicle under automatic gear:

1. Press the  on the transmitter.
2. Siren will sound once to confirm vehicle will attempt to start.
3. In petrol vehicles, the engine will start immediately. In diesel vehicles, the engine will start when the WAIT-TO-start indicator on the vehicle goes out within 8 seconds.
4. Once vehicle has started, it will run for 6 minutes or until a shut down input is triggered. At the end of 6 minutes siren will sound of 2 seconds and automatically shut down engine, if there is no response.
5. Press  to open all doors and enter the car.

To remote start the vehicle under manual gear:


1. Ignition key is on, engine running.
2. Pull up hand brake.
3. Press and hold 2 sec, remote engine start , hazard lights flash once.
4. Turn ignition key off and take out the ignition key (engine running).
5. Get out the vehicle and close the door.
6. Press arm button, all doors locked, then engine shut down. Note: if user disarms the system he must do the whole procedure again. This procedure must be performed each time before getting out the vehicle.
7. Press the  button twice on the transmitter to remotely start engine.

Press  symbol to open all doors and enter the car.

When you are ready to drive the vehicle:

Insert the ignition key turn it to the ON (not the start) position.

While the vehicle is running during remote start operation, the system will monitor the vehicle and automatically shut down the engine if the system receives any of the following shut down inputs:

- Hand brake not pulled or gear not in neutral or park.
- The bonnet is opened.
- The ignition turned OFF.
- The programmed run time (6 minutes) has elapsed.
- Transmitter  is pressed again to start the vehicle.

Note: If hand brake not pulled or vehicle is no in either park or neutral engine will not start. Siren will sound 2 times to indicate proper condition for starting engine has not met. System will try to start engine for 4 times, after fourth attempt, if engine fail to start, then siren will sound twice for long duration to indicate failure to start engine. Vehicle with diesel engine, system will try to start engine once, if engine fails to start try remote engine start procedure again.

Under extreme cold temperature vehicle may not start engine at first attempt.

Important! It is unsafe to operate a vehicle's motor in a garage or other closed off area. Breathing the exhaust from the vehicle is hazardous to your health. Never activate the remote start in an enclosed space.

Consumer Warranty

Commercial Electronics ("HAWK[®]") promises to the original purchaser to repair or replace with a comparable reconditioned model any HAWK unit (hereafter the "unit"), excluding without limitation the siren, the remote transmitters, the associated sensors and accessories, which proves to be defective in workmanship or material under reasonable use during one year from date of purchase, provided the following conditions are met: the unit was professionally installed and serviced by an authorised HAWK dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorised HAWK dealer; and the unit is returned to HAWK, shipping prepaid with a legible copy of the bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number and address; the authorised dealer's name, telephone number and address; complete product description, including accessories; the year, make and model of the vehicle; vehicle license number and vehicle identification number. All components other than the unit, including without limitation the siren, the remote transmitters and the associated sensors and accessories, carry a one-year warranty from the date of purchase of the same. This warranty is non-transferable altered, the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. HAWK, in its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage.

TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED; AND HAWK NEITHER ASSUMES NOR AUTHORISES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. HAWK DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORISED DEALERS OR INSTALLERS. HAWK SECURITY SYSTEMS, INCLUDING THIS UNIT, ARE DETERRENTS AGAINST POSSIBLE THEFT. HAWK IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CONTENTS; AND HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT, DAMAGE AND/OR VANDALISM. THIS WARRANTY DOES NOT COVER LABOUR COSTS FOR MAINTENANCE, REMOVAL OR REINSTALLATION OF THE UNIT OR ANY CONSEQUENTIAL DAMAGES OF ANY KIND. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING HAWK OR ITS SUBSIDIARY, THE PROPER VENUE SHALL BE ENGLAND & WALES . THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST HAWK SHALL BE STRICTLY LIMITED TO THE AUTHORISED HAWK DEALER'S PURCHASE PRICE OF THE UNIT. HAWK SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, THE MANUFACTURER DOES OFFER A LIMITED ONE YEAR WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE AS DESCRIBED ABOVE.