

EASYGUARD EC203

EASYGUARD EC203 2 Way Car Alarm System User Manual

Model: EC203 | Brand: EASYGUARD

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the EASYGUARD EC203 2 Way Car Alarm System. This system is designed to enhance the security of your vehicle by providing real-time monitoring and alerts via an LCD pager display. It is compatible with most DC12V petrol and diesel vehicles.

The EC203 system includes an ultrasonic sensor for detecting intrusion and a shock sensor for impact detection, offering comprehensive protection for your vehicle.

2. PRODUCT OVERVIEW AND COMPONENTS

The EASYGUARD EC203 system is a sophisticated 2-way car alarm designed for robust vehicle security. It provides real-time feedback to the LCD pager display, keeping you informed about your vehicle's status.

2.1 Key Features

- 2-Way communication with LCD Pager Display
- Ultrasonic sensor for interior intrusion detection
- Shock sensor for impact and vibration detection
- Real-time vehicle status feedback
- Universal compatibility with most DC12V petrol & diesel cars
- Multiple alarm triggers: door, ACC ON, hood, tailgate
- Anti-hijacking function
- Remote trunk release capability (requires additional solenoid kit)
- Central door locking automation
- Panic mode/car finding
- Power-off memory
- Valet mode

2.2 System Components

The EC203 system typically includes the following components:

- Control Module (Main Unit)
- Two LCD Pager Key Fobs
- Wire Harnesses (12-pin main, 8-pin auxiliary)
- Ultrasonic Sensor
- Shock Sensor
- Siren
- LED Indicator
- Alarm Antenna
- Programming Switch



Figure 1: Complete set of EASYGUARD EC203 2 Way Car Alarm System components, including the main control unit, two LCD pager remotes, wiring harnesses, ultrasonic sensor, shock sensor, and siren.



Figure 2: Diagram illustrating the main features of the EC203 system, highlighting the 2-way communication, ultrasonic sensor, and shock alarm warning capabilities.



Figure 3: Visual representation of the ultrasonic sensor detecting illegal intrusion into the vehicle's interior, triggering an alarm.

3. SETUP AND INSTALLATION

Important Note: Professional installation by a qualified car alarm installer is strongly recommended for this product. Incorrect installation can lead to system malfunction or damage to your vehicle's electrical system. Please ensure you can find a professional installer before purchasing.

An English user manual and wiring diagram are included with the product. Additional copies are available upon request from EASYGUARD customer support.

3.1 General Installation Guidelines (Consult Wiring Diagram for Details)

- **Main Control Module:** Install the main control module in a secure, hidden location within the vehicle, such as behind the dashboard or in a kick panel, to prevent easy access by unauthorized individuals.
- **Wiring Harnesses:** Connect the 12-pin main wire harness and 8-pin auxiliary wire harness to the control module

and integrate them with your vehicle's electrical system according to the provided wiring diagram. Ensure all connections are secure and insulated.

- **Siren:** Mount the siren in a secure location under the hood, away from direct water spray, ensuring its sound is not obstructed.
- **Shock Sensor:** Install the shock sensor on a solid surface within the vehicle, such as a metal beam or firewall, to accurately detect impacts. Adjust sensitivity as needed.
- **Ultrasonic Sensor:** Position the ultrasonic sensor inside the vehicle cabin, typically on the dashboard or headliner, to cover the interior space effectively.
- **LED Indicator:** Install the LED indicator in a visible location on the dashboard to deter potential thieves and provide system status at a glance.
- **Alarm Antenna:** Mount the antenna in a location that maximizes signal reception, typically on the windshield or a non-metallic surface.



Figure 4: The ultrasonic sensor unit with its connecting cable, designed to detect movement within the vehicle's cabin.



Figure 5: The ultrasonic sensor module along with its wiring, ready for integration into the alarm system.

4. OPERATING INSTRUCTIONS

The EASYGUARD EC203 system is operated primarily using the LCD pager key fobs. Familiarize yourself with the button functions and display icons for optimal use.

4.1 Key Fob Button Functions



Figure 6: Illustration of the key fob, detailing the functions of each button: Arm/Panic mode, Disarm, Mute alarm, and Trunk release.

- **Arm/Panic Mode:** Press the bottom button (lock icon) to arm the system. Hold for 2 seconds to activate panic mode (siren sounds).
- **Disarm:** Press the top button (unlock icon) to disarm the system.
- **Mute Alarm:** Press the middle-top button (bell with slash icon) to mute the alarm sound.
- **Trunk Release:** Press the middle-bottom button (trunk icon) to remotely open the trunk. (Note: An extra trunk release solenoid kit may be required for this function, e.g., ASIN: B00N4RP8VM).
- **Remote Trunk Release (Alternative):** Hold the Arm/Panic button and Mute alarm button simultaneously for 2 seconds to remotely release the trunk.

4.2 Core System Functions

- **Arm/Disarm:**
 - To Arm: Press the arm button on the remote. The vehicle lights will flash, and the siren will chirp once. The LCD pager will display "Armed" status.

- To Disarm: Press the disarm button on the remote. The vehicle lights will flash, and the siren will chirp twice. The LCD pager will display "Disarmed" status.
- **Silent Arm:** Press the silent arm button on the remote. The system will arm without siren chirps.
- **Vibration Alarm Warning:** If the shock sensor detects a light impact, the system will issue a warning chirp. A stronger impact will trigger a full alarm.
- **Ultrasonic Sensor Detecting:** The ultrasonic sensor monitors the vehicle's interior. If unauthorized movement is detected, the alarm will trigger.
- **Door Intrusion Alarm:** If a door is opened while the system is armed, the alarm will trigger.
- **ACC ON Trigger, Hood Trigger & Tailgate Trigger:** The alarm will trigger if the ignition (ACC) is turned on, the hood is opened, or the tailgate is opened while the system is armed.
- **Emergency Alarm & Disarm:** In an emergency, you can trigger the alarm or disarm it using specific button combinations (refer to the detailed wiring diagram for specific emergency disarm procedures).
- **Anti-Hijacking:** This feature can be activated to prevent vehicle theft during a hijacking attempt. Consult the wiring diagram for activation methods.
- **Door Opening Flashing Turn On/Off Setting:** Configure whether the turn signals flash when doors are opened.
- **Arm Reminding and Auto-Arm:** The system can be set to remind you to arm the vehicle or to auto-arm after a set period if you forget.
- **Door Unclosed Well Reminding, Hood Unclosed Well Reminding & Tailgate Unclose Well Reminding:** The system will alert you via the pager if any doors, the hood, or the tailgate are not properly closed when attempting to arm.
- **Anti-False Disarm:** Features to prevent accidental or unauthorized disarming.
- **Central Door Locking Automation:** The system can automatically lock doors when the ignition is turned on and unlock them when the ignition is turned off.
- **Panic Mode/Car Finding:** Pressing the panic button will sound the siren and flash the lights, useful for locating your car in a crowded parking lot or deterring threats.
- **Power Off Memory:** The system retains its armed/disarmed status even after power interruption.
- **Window Rolls Up Automatically (Optional):** Requires an extra window closer module (e.g., ASIN: B00N3RKA8E) for this function.
- **Triggering Memory:** The system records the last trigger event, which can be reviewed on the LCD pager.
- **Power Status Indication:** The LCD pager displays the battery status of the remote and the vehicle.
- **Electrical/Pneumatic Central Locking:** The system supports both electrical and pneumatic central locking systems (default is electrical locking).
- **Valet Mode:** Temporarily disables the alarm functions for vehicle servicing without disarming the system.
- **Dome Light Delay Supervision:** Allows for a delay in arming until the dome light turns off.
- **Code Learning/Programming Method:** Instructions for pairing new remotes or reprogramming existing ones are detailed in the full user manual.

5. MAINTENANCE

To ensure the longevity and optimal performance of your EASYGUARD EC203 system, follow these general maintenance guidelines:

- **Keep Components Dry:** Avoid exposing the main control module, sensors, and key fobs to water or excessive moisture.
- **Clean Gently:** Clean the key fobs and visible components with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Battery Replacement:** Replace the key fob batteries when the low battery indicator appears on the LCD display to

ensure reliable operation.

- **Regular Checks:** Periodically test the alarm functions (arming, disarming, shock sensor, ultrasonic sensor) to ensure they are working correctly.
- **Professional Inspection:** Consider having the system professionally inspected if you notice any persistent issues or reduced performance.

6. TROUBLESHOOTING

If you encounter issues with your EASYGUARD EC203 system, refer to the following common troubleshooting steps. For complex problems, professional assistance is recommended.

Problem	Possible Cause	Solution
Alarm triggers frequently (false alarms)	Shock sensor sensitivity too high Ultrasonic sensor sensitivity too high Loose wiring connections Environmental factors (wind, heavy vehicles passing)	Adjust shock sensor sensitivity downwards. Adjust ultrasonic sensor sensitivity downwards. Check and secure all wiring connections. Ensure windows are fully closed when arming.
Remote control range is poor	Low key fob battery Interference from other electronic devices Antenna obstruction or damage Environmental factors (buildings, terrain)	Replace key fob battery. Move away from sources of strong electromagnetic interference. Check antenna connection and position; ensure it's not obstructed by metal. Note that actual range may be shorter than theoretical maximum due to interference.
System does not arm/disarm	Low key fob battery Vehicle door/hood/tailgate not fully closed System in Valet Mode Wiring issue	Replace key fob battery. Ensure all entry points are securely closed. Exit Valet Mode (refer to full manual for procedure). Consult a professional installer to check wiring.
LCD pager display is blank or unresponsive	Key fob battery depleted Key fob damage	Replace key fob battery. If battery replacement does not resolve, the key fob may be damaged and require replacement.

7. SPECIFICATIONS

Feature	Detail
Model Number	EC203
Operating Voltage	DC12V
Remote Control Type	2-Way LCD Pager Display
Maximum Remote Range	Approximately 500 meters (in open space, actual range may vary)

Feature	Detail
Noise Level (Siren)	10 dB
Item Weight	Approximately 2.53 pounds (1.15 kg)
Package Dimensions	10 x 8.11 x 4.09 inches (25.4 x 20.6 x 10.4 cm)
Compatible Devices	Most DC12V petrol & diesel vehicles

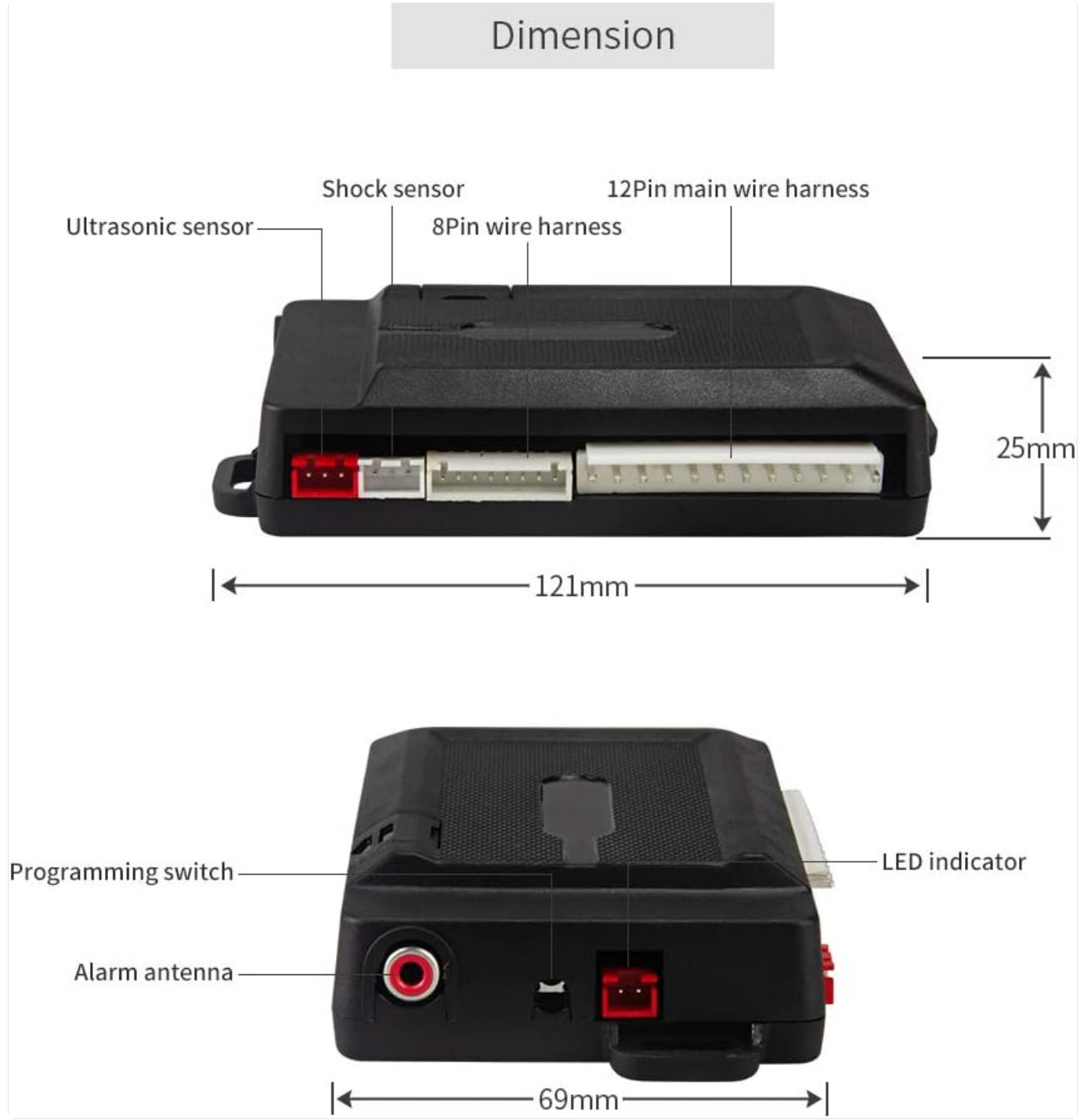


Figure 7: Dimensions of the LCD pager key fob: 77.2mm length, 40mm width, and 17.6mm thickness.

Ultrasonic sensor detecting

The ultrasonic sensor will be triggered if there is somebody illegal intruding.



Figure 8: Dimensions of the main control unit: 121mm length, 69mm width, and 25mm height, showing various ports and sensors.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to request additional user manuals and wiring diagrams, please contact EASYGUARD directly using the information below.

- **Email:** sales@ieasyguard.com
- **Phone:** +86-760-2211-3597
- **Website:** www.ieasyguard.com
- **Address:** 2nd floor, building 3, NO. 77 Caihong Road, Zhongshan city, Guangdong, China
- **WeChat:** Scan the QR code for WeChat support: [WeChat Link](#)

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Note: The photo on packing box is for reference only & content inside maybe different.

MADE IN CHINA



Figure 9: Back of the product packaging showing contact information for EASYGUARD support.

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Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question