

EASYGUARD EC003N-K-1

EASYGUARD EC003N-K-1 PKE Car Alarm System: User Manual

Passive Keyless Entry, Push Button Start, and Remote Engine Start System

1. INTRODUCTION

The EASYGUARD EC003N-K-1 is a sophisticated car alarm system designed to enhance vehicle security and convenience. It integrates Passive Keyless Entry (PKE), a push-button start/stop function, and remote engine start capabilities. The PKE feature automatically locks or unlocks your vehicle as you approach or walk away with the key fob, providing a seamless user experience.

This manual provides essential information for the proper installation, operation, and maintenance of your EASYGUARD EC003N-K-1 system. Please read it thoroughly before attempting any installation or operation.

2. SYSTEM COMPONENTS OVERVIEW

The EASYGUARD EC003N-K-1 system includes the following main components:

- Main Control Module
- Two Key Fobs (with 2 CR2 batteries included)
- Push Start/Stop Button
- PKE Antennas
- Wiring Harnesses



Figure 1: All components of the EASYGUARD EC003N-K-1 system.



Figure 2: Front and back view of the system's key fob.

Button function



Figure 3: Key fob button functions.

3. SETUP AND INSTALLATION

Important: Professional car alarm installer installation is highly recommended for this system. Incorrect installation can lead to vehicle damage or system malfunction. An English user manual and wiring diagram are available upon request from the manufacturer.

3.1. Pre-Installation Checks and Compatibility

- This system is compatible with most DC12V petrol cars, including both automatic and manual transmission vehicles.
- **Not compatible with:** Cars equipped with a factory OEM push start button, pneumatic or vacuum locking systems, or vehicles with a double unlock pulse signal.
- **Luxury Vehicles:** Installation on luxury vehicles (e.g., BMW, Mercedes-Benz) is not recommended.
- **Immobilizer Bypass:** If your vehicle has a chip immobilizer in its factory OEM key fob, an extra bypass module (e.g., ASIN: B07NSLPBG7 or B00MEHBVIC) is required.
- **Steering Wheel Lock:** Any existing steering wheel lock in your vehicle must be unlocked, released, or

removed during installation.

- **Wiring Diagram:** Obtain a specific wiring manual for your vehicle to correctly identify and connect wires.

3.2. Antenna Placement

Proper placement of the PKE antennas is crucial for optimal performance. Refer to the installation video for visual guidance.

Video 1: Demonstrates the installation process for the PKE antennas, showing optimal placement for functionality.

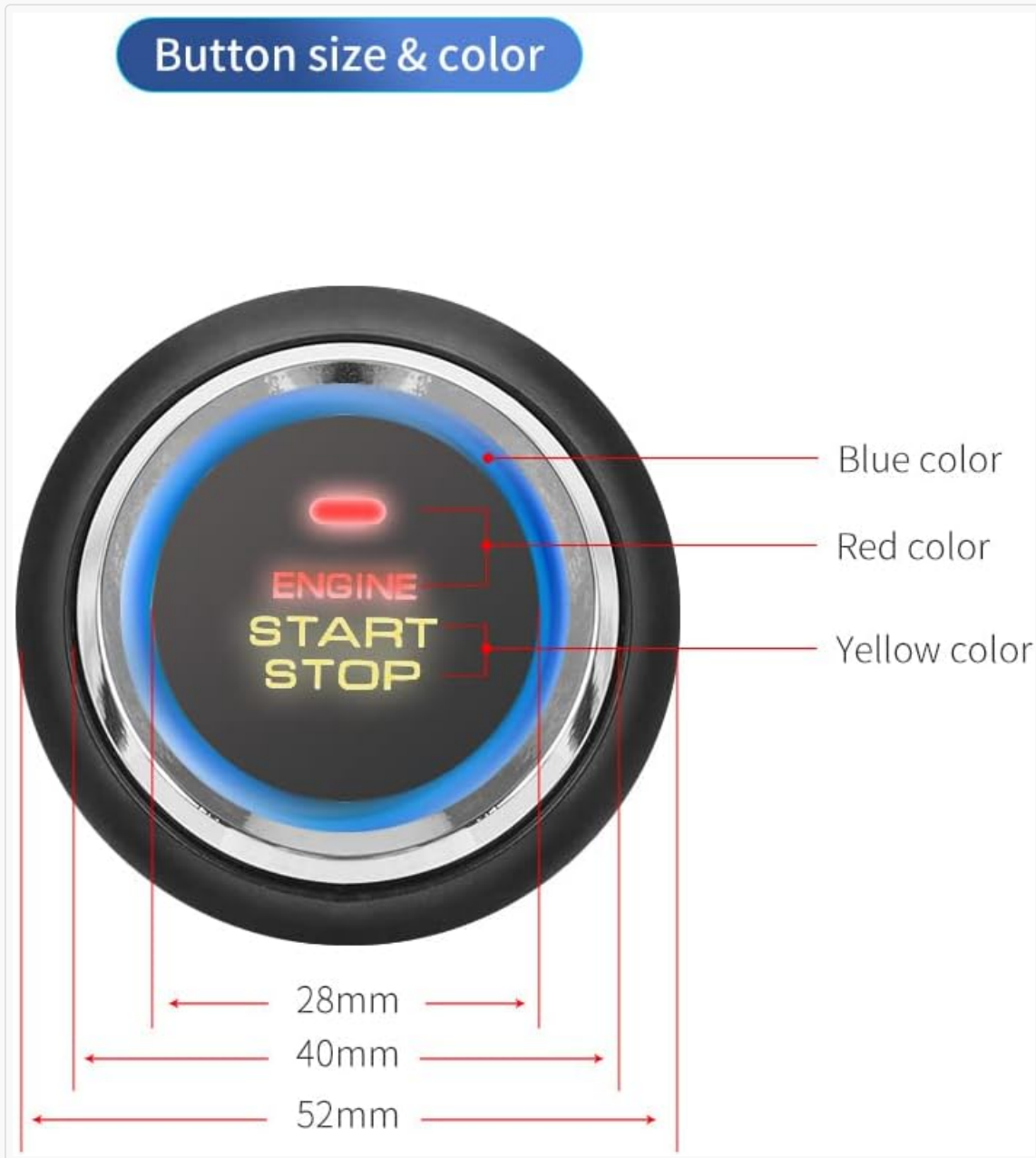


Figure 4: Control module with DIP switches for system configuration.

4. OPERATING INSTRUCTIONS

4.1. Passive Keyless Entry (PKE)

The PKE feature allows for automatic locking and unlocking of your vehicle without pressing buttons on the key fob. When you approach the car within 1-2 meters with the key fob, the doors will automatically unlock. When you walk away from the car for 2-3 meters, the doors will automatically lock.

How to start the car?

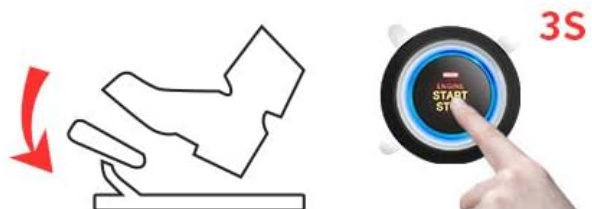
Method 1

In disarm status, stepping on foot brake pedal & short press the push start button once will start the car



Method 2

In disarm status, keep pressing the start button 3 seconds while stepping on foot brake pedal will start the car



How to shut off the car?

Once the car is started, stepping on foot brake pedal and short press push start button once will shut off the engine.



Figure 5: PKE automatic lock/unlock functionality.

4.2. Push Button Start/Stop

To start or stop your vehicle using the push button:

1. **To Start:** In disarmed status, press the foot brake pedal and then short press the push start button once. Alternatively, keep pressing the start button for 3 seconds while stepping on the foot brake pedal.
2. **To Stop:** Once the car is started, press the foot brake pedal and then short press the push start button once to shut off the engine.

Dimension



Figure 6: Methods for starting and stopping the engine.



Figure 7: Push start button details.

4.3. Remote Engine Start/Stop

To remotely start your engine, keep pressing the start button on your key fob for approximately 3 seconds. This feature allows you to pre-cool your car in hot weather or pre-warm it in cold weather. To remotely stop the engine, press the start button on the key fob again for 3 seconds.

PKE-Passive keyless entry



- Automatically unlock car door when approach the car in 1-2 meters with key fob



- Automatically lock car door when walk away from the car in 2-3 meters with key fob

Figure 8: Remote engine start function.

4.4. Other Functions

- **Arm/Lock & Disarm/Unlock:** Use the dedicated buttons on the key fob (refer to Figure 3).
- **Mute Alarm:** Consult the detailed wiring diagram and user manual for specific instructions on muting the alarm.
- **Panic Mode:** Press the panic button on the key fob (refer to Figure 3) to activate the alarm in an emergency.
- **Anti-Hijacking:** This feature provides an additional layer of security. Refer to the full user manual for activation and operation details.
- **Remote Trunk Release:** This function may require an extra trunk release solenoid kit (e.g., ASIN: B00N4RP8VM).
- **Valet Mode:** Temporarily disables certain security features for service or valet parking. Refer to the full user manual for activation/deactivation.
- **Central Door Locking Automation:** The system can be configured to automatically lock doors when the vehicle starts moving and unlock when the ignition is turned off.
- **Emergency Override & Disarm:** In case of key fob loss or malfunction, an emergency override procedure is available. Refer to the full user manual for instructions.

5. MAINTENANCE

- **Key Fob Batteries:** The key fobs require 2 CR2 batteries. Replace them when the signal strength weakens or the LED indicator on the fob does not light up.
- **General Care:** Keep the main control module and key fobs away from extreme temperatures, direct sunlight, and water to ensure longevity.

6. TROUBLESHOOTING

If you encounter issues with your EASYGUARD EC003N-K-1 system, consider the following common scenarios:

- **System Not Starting/Clicking:** Ensure all wiring, especially the ground connection, is secure and correctly installed. A poor ground can prevent the system from functioning.
- **Vehicle Lockout:** The system may auto-lock if the key fob is left inside the vehicle while the engine is running or in the 'on' state and the door is closed. Always ensure the key fob is with you when exiting the vehicle.
- **Persistent Beeping:** The arm/disarm beep settings can typically be adjusted. Refer to the detailed programming instructions in the full user manual.
- **Random Locking/Unlocking (PKE):** If the system frequently locks and unlocks while you are working near the car, temporarily disable the PKE feature to prevent this behavior.
- **Engine Stop Requires Brake Pedal:** This is a standard operating procedure for the system. Ensure the brake pedal is pressed when attempting to stop the engine via the push button.
- **Security Concerns (Reset Button):** The system's reset button should be installed in a discreet and secure location to prevent unauthorized access.
- **PKE Disabled - Car Starts Without Fob:** If the PKE feature is intentionally disabled and the car is left unlocked, it can be started without the key fob present. Always ensure the system is armed and locked when leaving the vehicle unattended.
- **Lost Key Fob:** Losing a key fob may necessitate purchasing a replacement or a new system. Contact customer support for options.
- **Remote Start Malfunction:** If remote start does not activate or the engine runs only for a short duration, verify all wiring connections, especially those related to the ignition and fuel pump, and ensure the bypass module (if applicable) is correctly installed.
- **Trunk Release Issues:** If the remote trunk release is inconsistent or triggers unexpectedly, check the wiring for the trunk release solenoid and review system settings.
- **Limited PKE Range:** The effective range of the PKE feature can be influenced by antenna placement and environmental factors. Ensure antennas are installed in optimal, unobstructed locations.
- **Complex Programming:** The system's programming methods can be intricate. Follow the detailed instructions in the full user manual carefully.
- **Electrical System Issues:** Symptoms such as blown fuses, battery drain, or malfunction of other vehicle electrical components (e.g., blinkers, wipers) strongly indicate incorrect wiring. Immediately consult a professional installer.
- **Door Lock Compatibility:** This kit primarily supports ground-side switched door locks. If your vehicle uses power-side switched door locks, additional relays may be required for proper function.

For persistent issues or complex problems, it is recommended to consult a professional car alarm installer or contact EASYGUARD customer support.

7. SPECIFICATIONS

Feature	Specification
Model Number	EC003N-K-1
Item Weight	1.74 pounds
Package Dimensions	8.27 x 6.46 x 2.91 inches
Batteries Required	2 CR2 batteries (included)
Wireless Remote	Yes
Maximum PKE Range	6 Feet (approx. 1.8 meters)
Compatible Devices	Most DC12V petrol cars (excluding those with factory push start, pneumatic locks, or double unlock pulse signals)

Button size & color

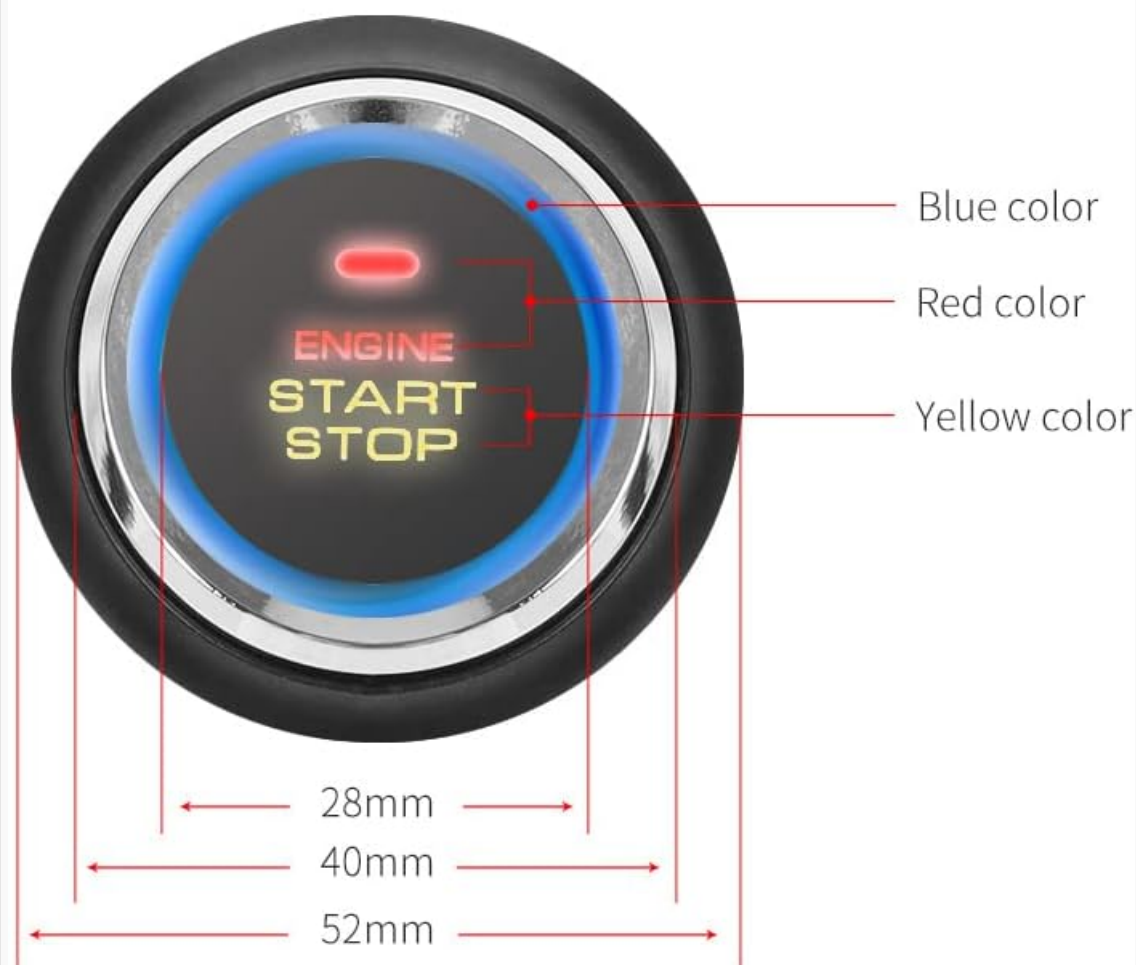


Figure 9: Control module dimensions.

8. WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation provided with your purchase or contact the seller directly. Warranty terms and conditions may vary.

If you have any questions, require technical assistance, or encounter problems not covered in this manual, please contact EASYGUARD customer support or your professional installer. Contact information is typically available on the product packaging or the manufacturer's official website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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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