

EASYGUARD EC009-T2

EASYGUARD EC009-T2 PKE Car Alarm System User Manual

Model: EC009-T2

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the EASYGUARD EC009-T2 PKE Car Alarm System. This system integrates Passive Keyless Entry (PKE), remote engine start/stop, push button start, and a vibration alarm function. It is designed for use with most DC12V petrol vehicles. For diesel vehicles with engine starting times exceeding 3 seconds, it is recommended to pre-warm the spark plug by turning on the dashboard first, or to install an additional timer delay switch.

Important Note: Professional car alarm installer installation is highly recommended. Installation service is not provided by EASYGUARD. A wiring diagram is available upon request. It is necessary to unlock, release, or remove the steering lock during the installation of this system. An extra bypass module (e.g., ASIN: B00MEHBVIC) is required if your vehicle's factory OEM key fob contains a chip immobilizer.

PRODUCT COMPONENTS

The EASYGUARD EC009-T2 system includes the following main components:

- Main Control Module
- Smart Key Fobs (x2)
- Push Start Button
- Siren
- PKE Antennas
- Shock Sensor
- Wiring Harnesses
- LED Indicator
- Emergency Switch



Figure 1: Overview of EASYGUARD EC009-T2 System Components.

Key Fob Details

Remote engine start

Remote engine start can pre-cool your car in hot summer or pre-warm it in cold winter



Figure 2: Front and Back of the Smart Key Fob.

Dimension



Figure 3: Key Fob Dimensions.

Button function



Figure 4: Key Fob Button Functions.

Push Start Button Details

Dimension

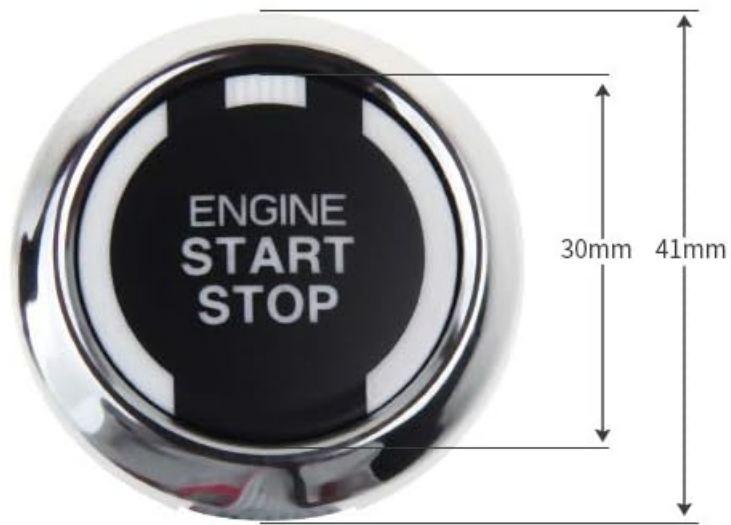


Figure 5: Push Start Button Dimensions.

Main Control Module Details

Dimension



Figure 6: Main Control Module Dimensions.

PKE Module Details



Figure 7: PKE Module.

KEY FEATURES

- **Passive Keyless Entry (PKE):** Automatically locks or unlocks the car door when the key fob is within 1-2 meters (approximately 3-6 feet) of the vehicle.

PKE-Passive keyless entry



- Automatically unlock car door when you approach the vehicle in 3-6 feet with key fob



- Automatically lock car door when you walk away from the car in 6-9 feet with key fob

Figure 8: Passive Keyless Entry (PKE) Operation.

- **Remote Engine Start/Stop:** Allows for pre-cooling the car in hot weather or pre-warming it in cold weather.



Figure 9: Remote Engine Start Functionality.

- **Push Start Button:** Enables convenient engine start and stop without a traditional key.
- **Arm/Disarm/Panic Mode:** Standard security functions for vehicle protection.
- **Mute Arm:** Arms the system silently.
- **Shock Sensor Alarm Trigger:** Activates the alarm upon detecting impacts or vibrations.
- **Remote Trunk Release:** Opens the vehicle's trunk remotely (may require an extra solenoid kit).
- **Anti-Hijacking:** Security feature to prevent vehicle theft.
- **Central Door Locking Automation:** Automatically locks doors when driving and unlocks when the engine is off.
- **Door Unclosed Well Reminding:** Alerts if a door is not properly closed.
- **Power Off Memory:** Retains system settings after power loss.
- **Window Rolls Up Automatically:** Optional feature, may require an additional window closer module (e.g., 2-door ASIN: B00N4S92SQ, 4-door ASIN: B00N3RKA8E, 5-door ASIN: B00NTOL03K).
- **Code Learning/Programming Method:** Allows for programming new key fobs or system settings.

SETUP AND INSTALLATION

Installation of the EASYGUARD EC009-T2 system requires technical expertise and should ideally be performed by a professional car alarm installer. Incorrect installation can lead to vehicle damage or system malfunction.

Pre-Installation Requirements:

- **Steering Lock:** The vehicle's steering lock must be unlocked, released, or removed prior to installation.
- **Chip Immobilizer:** If your vehicle's factory OEM key fob contains a chip immobilizer, an extra bypass module (e.g.,

ASIN: B00MEHBVIC) is required for the system to function correctly.

- **Wiring Diagram:** A detailed wiring diagram is available upon request to assist with installation.

Electrical System Compatibility:

- The system is compatible with 95% of DC12V petrol vehicles.
- For diesel vehicles with engine starting times exceeding 3 seconds, it is recommended to turn on the ON dashboard first to pre-warm the spark plug before starting the car, or to add an extra timer delay switch.
- The system's default door locking is electrical. Pneumatic locking is optional.

Note: This item is not compatible with cars that use a double pulse for unlock, pneumatic or vacuum locking systems, or cars with a factory-installed push start button.

OPERATING INSTRUCTIONS

Passive Keyless Entry (PKE):

- **Automatic Unlock:** With the key fob in your possession, approach the vehicle. The doors will automatically unlock when you are within 1-2 meters (approximately 3-6 feet) of the car.
- **Automatic Lock:** With the key fob in your possession, walk away from the vehicle. The doors will automatically lock when you are 1-2 meters (approximately 6-9 feet) away from the car.
- **PKE On/Off Setting:** Refer to the detailed wiring diagram or consult a professional installer for instructions on how to enable or disable the PKE function.

Remote Engine Start:

- To remotely start the engine, press and hold the designated start button on the key fob. The vehicle's engine will start, allowing for pre-conditioning of the cabin.
- To remotely stop the engine, press the same button again.

Push Button Start:

- **To Start Engine:** With the key fob inside the vehicle, press the brake pedal and then press the "ENGINE START STOP" button.
- **To Stop Engine:** With the vehicle stationary, press the brake pedal and then press the "ENGINE START STOP" button.
- **ACC/ON Mode:** Without pressing the brake pedal, press the "ENGINE START STOP" button once for ACC mode, and a second time for ON mode (ignition on). Press a third time to turn off.

Arming and Disarming:

- **Arm:** Press the lock button on the key fob to arm the system. The vehicle lights will flash, and the siren will chirp (unless in mute arm mode).
- **Disarm:** Press the unlock button on the key fob to disarm the system. The vehicle lights will flash, and the siren will chirp.
- **Mute Arm:** To arm the system silently, refer to the specific programming instructions in the full manual or consult your installer.
- **Panic Mode:** Press the panic button (usually the lock button held down or a dedicated button) to trigger the alarm for emergency situations.
- **Emergency Disarm:** In case of key fob malfunction, an emergency disarm procedure is available. Consult the full installation guide for details.

Other Functions:

- **Siren Pause:** During an alarm, press any button on the key fob to temporarily pause the siren.
- **Auto-Rearm (Anti-False Disarm):** If the system is disarmed but no door is opened within a set time, it will automatically re-arm to prevent accidental disarming.

MAINTENANCE

Key Fob Battery Replacement:

The key fobs are powered by CR2 batteries. When the battery is low, the system siren may chirp 3 times after disarming. To replace the battery:

1. Locate the battery compartment on the back of the key fob.
2. Carefully open the compartment using a small tool if necessary.
3. Remove the old CR2 battery.
4. Insert a new CR2 battery, ensuring correct polarity.
5. Close the battery compartment securely.

Regularly check the key fob battery status to ensure reliable operation of the PKE and remote functions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
System does not arm/disarm or remote start.	Low key fob battery. Key fob out of range. Interference.	Replace key fob battery. Ensure key fob is within operating range. Move away from sources of strong electromagnetic interference.
Engine does not start via push button.	Brake pedal not pressed. Key fob not detected inside vehicle. Chip immobilizer issue.	Ensure brake pedal is fully depressed. Verify key fob is inside the vehicle. If vehicle has a chip immobilizer, ensure bypass module is correctly installed and functioning.
PKE (Passive Keyless Entry) not working.	PKE function disabled. Key fob battery low. Interference.	Check PKE on/off setting. Replace key fob battery. Ensure no strong interference sources are nearby.
Siren chirps 3 times after disarming.	Low key fob battery.	Replace the key fob battery.
System not compatible with vehicle.	Vehicle has double pulse unlock, pneumatic/vacuum locking, or factory push start.	This system is not designed for these specific vehicle configurations. Consult product specifications before purchase.

For complex issues or installation-related problems, it is strongly recommended to contact a professional car alarm installer or EASYGUARD support for assistance. A wiring diagram is available upon request.

SPECIFICATIONS

Attribute	Value
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Attribute	Value
Brand	EASYGUARD
Model Number	EC009-T2
Item Weight	2.94 pounds
Package Dimensions	10.04 x 7.05 x 4.25 inches
Batteries Required	2 CR2 batteries (included)
Wireless Remote	Yes
Maximum Range (PKE)	2 Meters
Noise Level (Siren)	30 dB
Compatible Devices	Cars (DC12V petrol vehicles)
Manufacturer	Zhongshan EASYGUARD electronics ltd
First Available Date	August 30, 2018

SUPPORT AND WARRANTY

EASYGUARD provides technical support for its products. While installation services are not directly provided, a detailed wiring diagram is available upon request to assist with the installation process.

For any inquiries regarding product functionality, troubleshooting, or to request a wiring diagram, please contact EASYGUARD customer support through their official channels. Information regarding product warranty is typically provided with the purchase documentation.

Note: Always ensure that any modifications or installations are performed by qualified professionals to maintain product warranty and vehicle safety.

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.

Name

Email

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