

## EASYGUARD EC002-T2

# EASYGUARD EC002-T2 PKE Car Alarm System User Manual

Model: EC002-T2

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the EASYGUARD EC002-T2 PKE Car Alarm System. Please read this manual thoroughly before installation and use to ensure proper function and safety. Professional installation is highly recommended.

## 2. PRODUCT OVERVIEW AND COMPONENTS

The EASYGUARD EC002-T2 is a comprehensive vehicle security system designed to enhance convenience and protection. Key features include Passive Keyless Entry (PKE), remote engine start, and a push-button start/stop function.

### Main Features:

- Push button start/stop
- PKE (Passive Keyless Entry)
- Manual arm/lock & disarm/unlock
- Mute/audible alarm
- Remote trunk release (requires extra solenoid kit for some vehicles)
- Panic mode
- Valet mode on/off setting
- Remote engine start/stop
- Anti-hijacking
- Central door locking automation
- Touch password entry to lock or unlock the car
- Emergency override

- Automatic window closing (optional, requires extra module)
- Password revise & reset
- Parameter prolong setting
- Programming method

### System Components:

The system typically includes the main control unit, two key fobs, a push start button, wiring harnesses, PKE antennas, and a touch password keypad.



Image: Overview of the EASYGUARD EC002-T2 PKE Car Alarm System components, including the main unit, two key fobs, push start button, wiring, and keypad.

## 3. SETUP AND INSTALLATION

**Important: Professional car alarm installer installation is required. Attempting self-installation without proper knowledge may damage the vehicle's electrical system or the product, and may void the warranty.**

### Pre-Installation Considerations:

- **Immobilizer Bypass:** If your vehicle has a factory OEM key fob with a chip immobilizer, an extra bypass module (e.g., ASIN: B07NSLPBG7 or B00MEHBVIC) is required.
- **Steering Wheel Lock:** The steering wheel lock must be unlocked, released, or removed during installation.
- **Vehicle Compatibility:** This system is designed for 95% of DC12V petrol vehicles. For diesel cars with engine starting times over 3 seconds, turn on the ON dashboard first to pre-warm the spark plug, then start the car, or add an extra timer delay switch.
- **Wiring Diagram:** A detailed wiring diagram is available upon request from the manufacturer or seller.

Ensure all connections are secure and properly insulated to prevent short circuits and ensure reliable operation.

## 4. OPERATING INSTRUCTIONS

### 4.1 Key Fob Functions



Image: Detailed view of the key fob, illustrating the LED indicator, Arm/Panic mode button, Disarm button, and Start button/Trunk release button.

- **Arm/Lock:** Press the lock button once to arm the system and lock the doors.

- **Disarm/Unlock:** Press the unlock button once to disarm the system and unlock the doors.
- **Panic Mode:** Press and hold the lock button for a few seconds to activate panic mode (audible alarm).
- **Remote Trunk Release:** Press and hold the trunk release button (car icon) to open the trunk (if connected and supported by vehicle).

## 4.2 Passive Keyless Entry (PKE)

The PKE feature automatically locks and unlocks your vehicle as you approach or walk away, provided the key fob is within range.



Image: Illustration of Passive Keyless Entry (PKE) functionality. The car automatically unlocks when the key fob is within 3-6 feet and locks when the key fob is 6-9 feet away.

- **Automatic Unlock:** When you approach the vehicle with the key fob in your hand or pocket (within 1-2 meters / 3-6 feet), the car doors will automatically unlock.
- **Automatic Lock:** When you walk away from the car with the key fob (beyond 2-3 meters / 6-9 feet), the car doors will automatically lock.

## 4.3 Push Button Start/Stop

The engine start/stop button allows for convenient vehicle operation without a traditional key.

## Button size & color



Button size & color

When disarm, turn on ACC, ON:

Blue color



When start the vehicle:

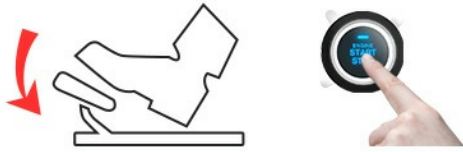
Green color

Image: The push start button illuminates blue when disarmed, ACC, or ON, and green when the engine is started.

## How to start the car?

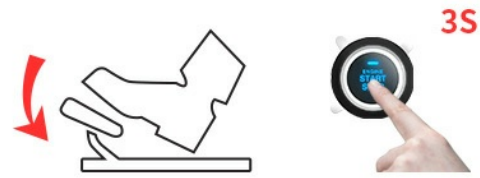
### Method 1

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 footbrake 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.

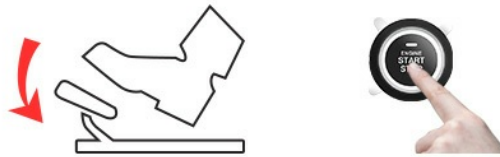


Image: Visual guide for starting the car (Method 1: short press with foot brake; Method 2: 3-second press with foot brake) and shutting off the car (short press with foot brake).

- **To Start the Car (Method 1):** In disarmed status, step on the foot brake pedal and short press the push start button once.
- **To Start the Car (Method 2):** In disarmed status, keep pressing the push start button for 3 seconds while stepping on the foot brake pedal.
- **To Shut Off the Car:** Once the car is started, step on the foot brake pedal and short press the push start button once to shut off the engine.

#### 4.4 Remote Engine Start/Stop

This feature allows you to start your vehicle remotely, which can be used to pre-warm or pre-cool the interior.

## Remote engine start

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



Image: A hand holding a key fob, indicating remote engine start, with arrows showing air circulation inside a car for pre-cooling or pre-warming.

- Refer to the specific remote start procedure in the full wiring diagram/installation guide. Typically involves pressing a button sequence on the key fob.

### 4.5 Touch Password Entry

The touch password keypad provides an alternative method to lock or unlock your vehicle.

## Touch Password Keypad



Image: The touch password keypad with numbered buttons and LED indicators, connected by a wiring harness.

- **To Lock/Unlock:** Enter your pre-set password on the keypad. Refer to the installation guide for initial password setup and revision instructions.

## 5. MAINTENANCE

- **Key Fob Batteries:** The key fobs require 2 CR2 batteries (included). Replace batteries when the remote range decreases or the LED indicator on the fob becomes dim.
- **General Care:** Keep the main unit and key fobs dry and away from extreme temperatures. Avoid dropping the key fobs.

## 6. TROUBLESHOOTING

If you experience issues with your EASYGUARD EC002-T2 system, consider the following:

- **System Not Responding:** Check key fob battery levels. Ensure the vehicle's 12V battery is charged.
- **PKE Not Working:** Verify the key fob is within the specified range. Ensure no strong electromagnetic interference is present.
- **Engine Not Starting:** Confirm the system is disarmed. Ensure the foot brake is pressed firmly. Check for any immobilizer bypass issues if applicable.
- **Alarm Triggering Randomly:** Check all door, hood, and trunk sensors for proper connection and adjustment.

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

## 7. SPECIFICATIONS

Specification	Detail
Model Number	EC002-T2
Power Supply	DC12V
Compatible Devices	Petrol Cars (most DC12V models)
Key Fob Batteries	2 CR2 batteries (included)
PKE Maximum Range	2 Meters (approx. 6.5 feet)
Item Weight	2.43 pounds
Package Dimensions	10.35 x 7.13 x 3.98 inches
Date First Available	January 22, 2016

## Dimension



Image: Dimensions of the main control unit (98mm width, 113.5mm length, 28.5mm height).

## Dimension



Image: Dimensions of the key fob (43mm width, 74mm length, 17mm thickness).

## 8. WARRANTY AND SUPPORT

For technical assistance, installation guidance, or warranty inquiries, please contact EASYGUARD customer support. An installation guide is available upon request.

You can visit the official EASYGUARD store for more information: [EASYGUARD Store](#)

