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Aramox B0865Y6Q4B

Aramox Keyless Entry Car Alarm System with Remote Engine Start User Manual

Model: B0865Y6Q4B

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your Aramox Keyless Entry Car Alarm System with Remote Engine Start. This system is designed to enhance vehicle security and convenience with features like remote engine start, keyless entry, and anti-theft protection. For optimal performance and safety, please read this manual thoroughly before installation and use.

Important Note: This item requires professional installation by a qualified car alarm installer. Attempting self-installation without proper expertise may lead to damage to the product or your vehicle, and could void the warranty.

2. Product Components

The package includes the following components:

- 1 x Alarm Control Unit
- 2 x Key Fobs
- 1 x Engine Start/Stop Button
- 2 x Main Wiring Harnesses
- 1 x Vibration Sensor with Wiring
- 1 x User Manual
- 1 x Double-sided Adhesive Tape



Figure 2.1: Complete Aramox Keyless Entry Car Alarm System kit, including the main control unit, two key fobs, an engine start/stop button, and various wiring harnesses.



Figure 2.2: The main control unit, a black rectangular box with multiple ports for wiring connections, serving as the central processing unit for the alarm system.



Figure 2.3: Two sleek black key fobs with chrome accents, each featuring three buttons for remote control functions like lock, unlock, and remote start.



Figure 2.4: The circular engine start/stop push button, featuring a chrome ring and the text 'ENGINE START STOP' in the center, connected by a wiring harness.



Figure 2.5: Various multi-colored wiring harnesses with connectors, essential for integrating the alarm system with the vehicle's electrical system.

3. Specifications

- **Material:** ABS Plastic
- **Operating Voltage:** DC 12V
- **Dimensions:** Approximately 10 x 10 x 10 cm (Main Unit)
- **Weight:** Approximately 500 grams (Total Package)
- **Color:** As shown in images

4. Key Features and Functions

The Aramox Keyless Entry Car Alarm System offers a range of advanced features for vehicle security and convenience:

1. **Push Button Start/Stop:** Convenient engine ignition and shutdown with a single button.
2. **Remote Engine Start/Stop:** Start or stop your vehicle's engine remotely, ideal for pre-warming in cold weather or pre-cooling in hot weather.

3. **Intelligent Handbrake Detection:** System integrates with the vehicle's handbrake status for safe operation.
4. **Intelligent Oil Pump Start Detection:** Ensures proper engine lubrication before starting.
5. **Remote Trunk Release:** Open your vehicle's trunk remotely (may require an additional solenoid for some vehicles).
6. **Remote Vehicle Search:** Locate your vehicle in a parking lot using horn prompts.
7. **PKE Keyless Entry Function:** Automatically unlocks car doors when you approach within 1.5-3 meters with the key fob, and automatically locks doors when you move 3-5 meters away from the vehicle.
8. **PKE Induction Temporary Stop:** Allows temporary deactivation of PKE function.
9. **Identification:** Advanced security identification features.
10. **Anti-theft Function (Pedal Brake Command Prompt):** Enhanced security measures triggered by pedal brake commands.
11. **Anti-theft Arming:** Once doors are locked and the system is armed, the vehicle cannot be started.
12. **Automatic Door Lock/Unlock:** Doors automatically lock when the pedal brake is pressed after engine start, and unlock when the engine is turned off.
13. **Original Horn Alarm Warning:** Utilizes the vehicle's existing horn for alarm warnings (an additional horn can be connected for louder alerts).
14. **Power-off Memory:** System retains settings even after power loss.
15. **Emergency Reset Function:** Provides a method to reset the system in emergencies.
16. **Remote Start 10-Minute Timed Shutdown:** Engine automatically shuts down after 10 minutes of remote start if not entered.



Figure 4.1: Illustration of the PKE Keyless Entry function, showing a person approaching a car to automatically unlock doors and walking away to automatically lock them.

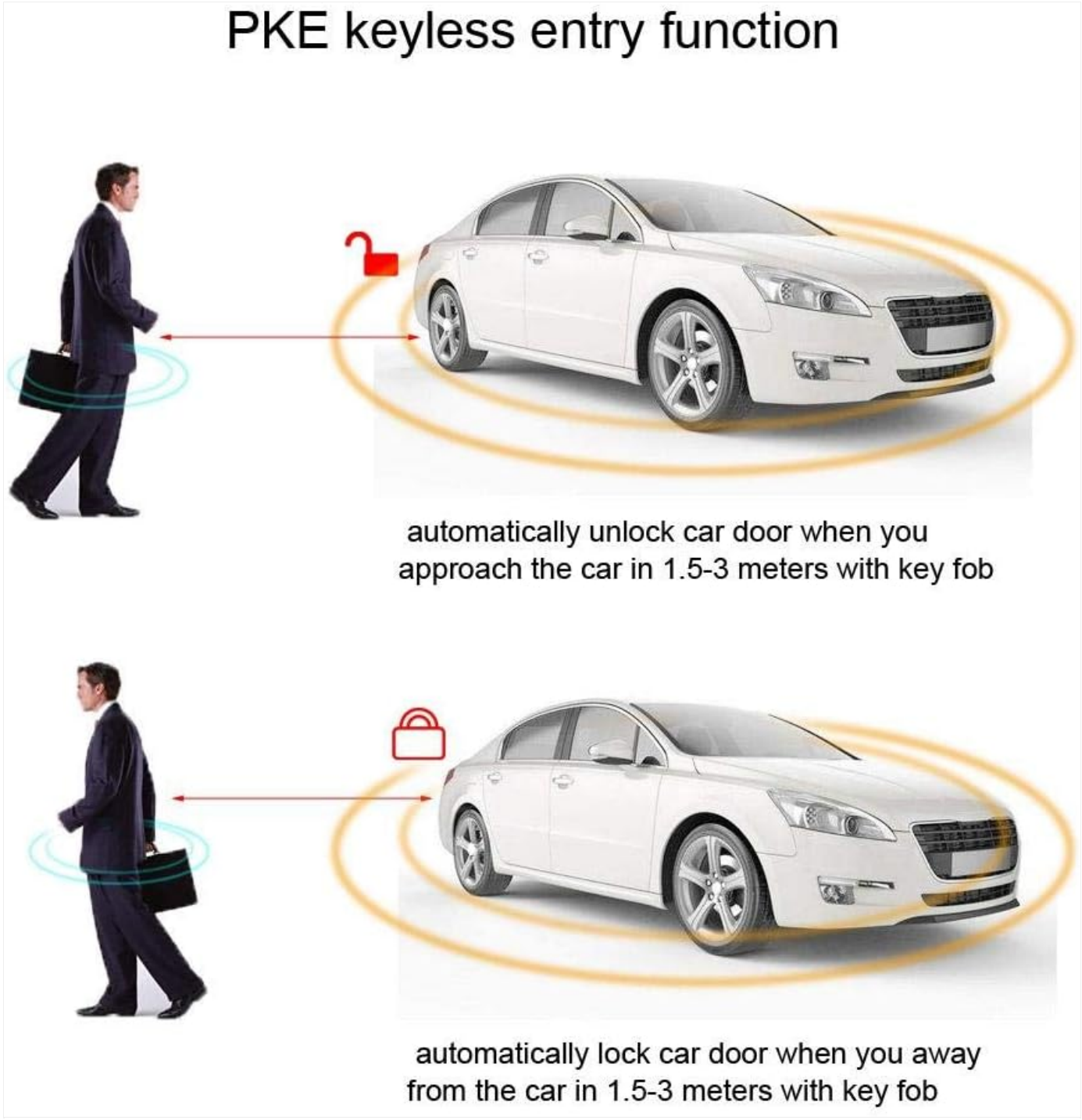


Figure 4.2: Depiction of remote engine start functionality, showing a car being pre-warmed in winter and pre-cooled in summer for comfort.



Figure 4.3: An image illustrating the anti-theft alarm feature, showing a masked figure near a car with an alarm icon, indicating the system's deterrent capability.

5. Setup and Installation

The Aramox Keyless Entry Car Alarm System is designed for 12V motor vehicles. Its circuit design utilizes American microchip technology with independent dual-chip processing (PKE anti-theft chip and start chip are separate) for stable performance and strong anti-interference capabilities. The PKE remote induction chip uses the Austrian AS3933 chip, known for high sensitivity and stability.

Professional Installation Required: Due to the complexity of vehicle electrical systems and the critical nature of security components, this product must be installed by a professional car alarm installer. Incorrect installation can lead to system malfunction, vehicle damage, or safety hazards. Please ensure you consult with a qualified technician for installation.

General installation involves connecting the main control unit to the vehicle's power supply, ignition system, door lock actuators, and other relevant circuits using the provided wiring harnesses. The engine start/stop button replaces the original ignition switch, and key fobs are programmed for remote functions.

6. Operating Instructions

6.1. Engine Start/Stop

- **To Start Engine (Push Button):** With the system disarmed, press the engine start/stop button while pressing the brake pedal.
- **To Stop Engine (Push Button):** With the engine running, press the engine start/stop button while pressing the brake pedal.

6.2. Remote Engine Start/Stop

- Refer to your installer or the specific key fob instructions for the exact button sequence to remotely start or stop the engine. Typically, this involves pressing a specific button on the key fob multiple times or holding it down.
- The engine will run for approximately 10 minutes after remote start and then automatically shut down if no further action is taken.

6.3. PKE Keyless Entry

- **Automatic Unlock:** With the key fob on your person, approach the vehicle. The doors will automatically unlock when you are within 1.5-3 meters.
- **Automatic Lock:** With the key fob on your person, walk away from the vehicle. The doors will automatically lock when you are 3-5 meters away.

6.4. Arming/Disarming Anti-theft

- **Arm:** Lock the vehicle doors using the key fob or PKE auto-lock. The system will arm, preventing the engine from starting.
- **Disarm:** Unlock the vehicle doors using the key fob or PKE auto-unlock. The system will disarm, allowing the engine to start.

7. Maintenance

The Aramox Keyless Entry Car Alarm System is designed for durability and requires minimal maintenance. Follow these guidelines:

- Keep key fobs dry and away from extreme temperatures.
- Replace key fob batteries as needed (refer to key fob manufacturer instructions for battery type and replacement).
- Avoid exposing the main control unit or other components to water or excessive moisture.
- Do not attempt to open or repair the control unit yourself. Refer to a professional installer for any issues.

8. Troubleshooting

If you experience issues with your Aramox Keyless Entry Car Alarm System, consider the following:

- **System Not Responding:** Check key fob battery. Ensure you are within range for remote functions or PKE.
- **Engine Not Starting:** Verify the system is disarmed. Ensure the brake pedal is pressed when using the push button start. Check vehicle battery health.
- **Doors Not Locking/Unlocking:** Check key fob battery. Ensure no interference is blocking the signal. Verify PKE range.
- **Alarm Triggering Unexpectedly:** Check vibration sensor sensitivity (if adjustable by installer). Ensure all doors, hood, and trunk are properly closed.

For complex issues or if troubleshooting steps do not resolve the problem, contact your professional installer or Aramox customer support for assistance.

9. Safety Information

- Always ensure your vehicle is in a safe, well-ventilated area before using remote engine start. Never use remote start in an enclosed space like a garage.
- Do not leave children or pets unattended in a vehicle, especially when the remote start function is active.
- Ensure the vehicle is in 'Park' (automatic transmission) or neutral with the handbrake engaged (manual transmission) before using remote start.
- Avoid tampering with the system's wiring or components. This can lead to electrical shorts, fire, or system failure.
- Always follow local laws and regulations regarding remote engine start systems.

10. Warranty and Support

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or inquiries regarding your Aramox Keyless Entry Car Alarm System, please contact Aramox customer service through their official channels or the seller from whom you purchased the product.

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