

CUQI KE-00

Wireless Car Parking Assist System User Manual

Model: KE-00

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your new Wireless Car Parking Assist System. Please read this manual thoroughly before using the product to ensure proper function and safety.

The system is designed to assist drivers in safely parking their vehicles by detecting obstacles behind the car and providing visual and audible warnings.

2. PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and in good condition:

- Main Control Box
- LED Display Indicator
- 4 x Parking Sensors
- Power Cable
- Hole Saw (22mm)
- Double-sided Adhesive Tapes
- User Manual (English)



Figure 2.1: Overview of the system components including the main control box, LED display, four sensors, and power adapter.

Advantage:

Shorter installation time and more freedom in the placement of LED display.

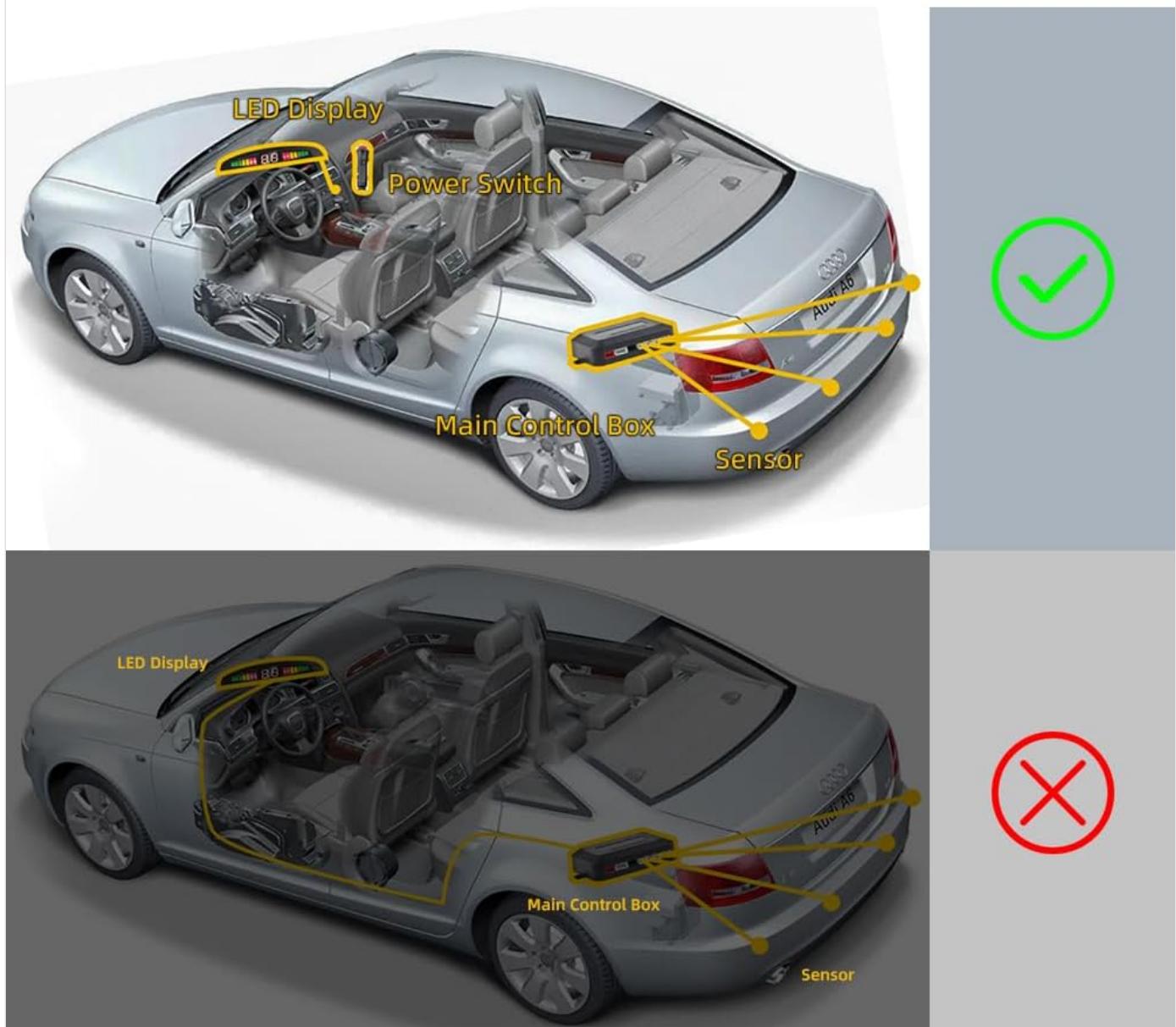


Figure 2.2: Detailed view showing the main control box, LED display, four sensors, power cable, and hole saw. Note the wired connections for sensors and power, and wireless connection for the LED display.

3. SPECIFICATIONS

Feature	Description
Model Number	KE-00
Detection Range	1-8 feet (0.3-2.4 meters) behind the vehicle
Display Type	LED with distance display and warning levels
Connectivity	Wireless connection between main control box and LED display; wired connections for sensors and power.
Power Source	Car cigarette lighter socket (with manual switch)

Operating Environment	Anti-electromagnetic interference; unaffected by weather conditions (night, rainy days).
Dimensions (Control Box)	100mm x 58mm (approx.)
Sensor Diameter	22mm (for drilling)



Figure 3.1: Technical dimensions of the main control box and individual sensors, including the required drill bit size.

4. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of the parking assist system. It is recommended to have this installed by a professional if you are not familiar with car electrical systems.

4.1 Sensor Installation

- Choose Sensor Locations:** Identify suitable locations on your vehicle's rear bumper for the four sensors. Ensure they are evenly spaced and at a consistent height for accurate detection. Avoid placing them too close to the ground or too high.
- Drill Holes:** Use the provided 22mm hole saw to carefully drill holes at the marked locations on the bumper. Ensure the holes are clean and free of burrs.
- Insert Sensors:** Gently push each sensor into its respective hole until it sits flush with the bumper surface. Ensure the sensors are oriented correctly (if applicable).
- Route Sensor Cables:** Route the sensor cables through the bumper and into the vehicle's trunk or interior, ensuring they are secured and do not interfere with moving parts.

4.2 Main Control Box Installation

- Mount Control Box:** Find a secure and dry location in the vehicle's trunk or interior to mount the main control box. Use the double-sided adhesive tapes or screws (not included) to fix it in place.
- Connect Sensors:** Connect the cables from the four parking sensors to the corresponding ports on the main control box. Ensure a firm connection.
- Connect Power Cable:** Connect the power cable to the main control box. The other end of the power cable, which includes the manual switch and cigarette lighter plug, should be routed to the vehicle's cigarette lighter socket.

4.3 LED Display Installation

- Position Display:** Place the LED display on the dashboard or another visible location within the driver's view. The wireless connection between the main control box and the LED display allows for flexible placement without cable limitations.
- Secure Display:** Use the double-sided adhesive tape to secure the LED display in its chosen position.

Not Limited by Distance

No longer limited by the length of the video cable, even caravans up to **8m** long can be installed and used quickly.



Figure 4.1: Illustration demonstrating the advantage of wireless connectivity for the LED display, allowing for easier placement compared to wired systems.

4 Sensor



Figure 4.2: This diagram illustrates that the system is not limited by distance, making it suitable for larger vehicles such as caravans up to 8 meters long, due to its wireless display connection.

5. OPERATING INSTRUCTIONS

The parking assist system is designed for simple and intuitive operation.

- Power On:** Insert the cigarette lighter plug into your vehicle's cigarette lighter socket. Turn on the manual switch located on the plug. The system will activate when the vehicle is put into reverse gear.
- Detection:** As you reverse, the sensors will detect obstacles behind your vehicle within the 1-8 feet range.
- Visual Warning:** The LED display will show the distance to the obstacle in meters and indicate the warning level with colored bars (e.g., green for safe, yellow for caution, red for close).
- Audible Warning:** The system will emit beeping sounds. The frequency of the beeps will increase as you get closer to an obstacle, providing an escalating warning.

5. **Power Off:** To turn off the system, simply switch off the manual switch on the cigarette lighter plug. This saves power when the system is not needed.



Figure 5.1: An illustration of the parking assist system in action, showing a car reversing, sensors detecting an object, and the LED display providing visual feedback to the driver.

6. MAINTENANCE

To ensure the longevity and accurate performance of your parking assist system, follow these simple maintenance guidelines:

- **Clean Sensors:** Regularly clean the surface of the parking sensors on the bumper. Dirt, mud, snow, or ice can obstruct the sensors and affect their accuracy. Use a soft, damp cloth to wipe them clean.
- **Check Connections:** Periodically inspect all wired connections (sensors to control box, power cable to control box) to ensure they are secure and free from corrosion or damage.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners or harsh chemicals on the sensors or display, as this may damage the surfaces.

- **Protect from Extreme Conditions:** While the system is designed to be robust, avoid exposing the main control box and display to extreme temperatures or direct water exposure beyond normal vehicle use.

7. TROUBLESHOOTING

If you encounter issues with your parking assist system, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
System does not power on.	<ul style="list-style-type: none"> ◦ Cigarette lighter plug not fully inserted. ◦ Manual switch is off. ◦ Vehicle's cigarette lighter socket is not receiving power. ◦ Blown fuse in vehicle's cigarette lighter circuit. 	<ul style="list-style-type: none"> ◦ Ensure plug is fully inserted. ◦ Turn on the manual switch. ◦ Check vehicle's ignition and power supply to the socket. ◦ Consult vehicle manual to check and replace fuse if necessary.
Sensors not detecting obstacles or inaccurate readings.	<ul style="list-style-type: none"> ◦ Sensors are dirty or obstructed. ◦ Loose sensor connections. ◦ Incorrect sensor placement. ◦ Sensor malfunction. 	<ul style="list-style-type: none"> ◦ Clean sensors thoroughly. ◦ Check and secure all sensor connections to the main control box. ◦ Review installation section for optimal sensor placement. ◦ Contact customer support if a sensor is suspected to be faulty.
LED display not showing information.	<ul style="list-style-type: none"> ◦ No power to the main control box. ◦ Wireless interference. ◦ Display malfunction. 	<ul style="list-style-type: none"> ◦ Ensure main control box is powered on (see "System does not power on" above). ◦ Relocate the LED display slightly to avoid potential interference. ◦ Contact customer support.
Audible warning is too quiet or too loud.	<ul style="list-style-type: none"> ◦ No adjustable volume. 	<ul style="list-style-type: none"> ◦ The system has a fixed volume. Ensure no obstructions are covering the speaker on the LED display.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your purchase or visit the manufacturer's official website.

Manufacturer: CUQI

Model: KE-00

ASIN: B0CHDP3KXJ

For further assistance, you may contact the seller or manufacturer directly. Please have your product model number and purchase details ready.

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