axis APS401T 12/24V Parking Sensor System Installation Guide

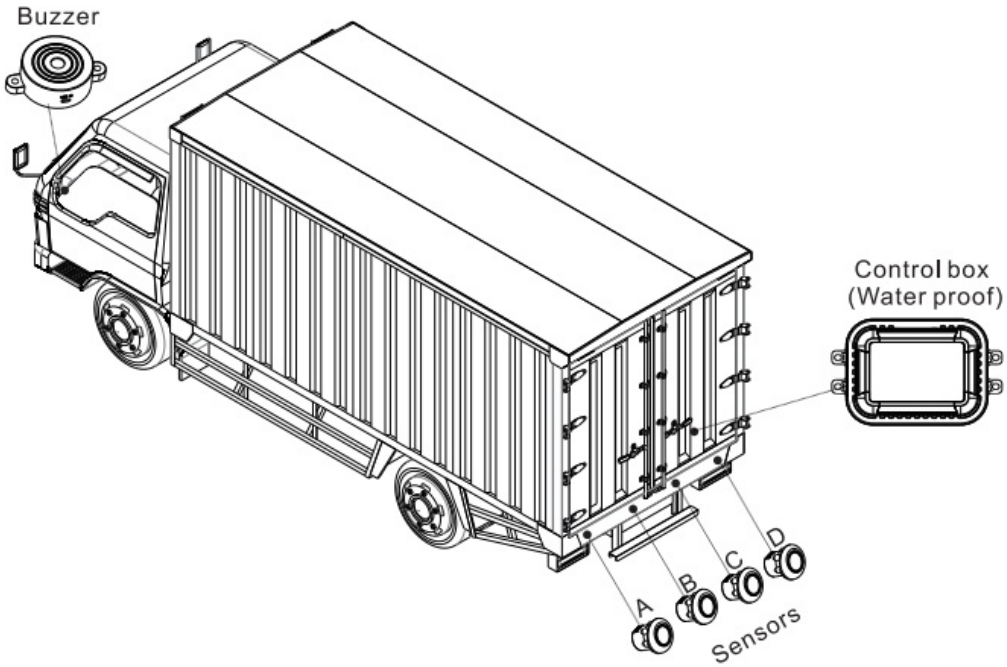
JAPAN

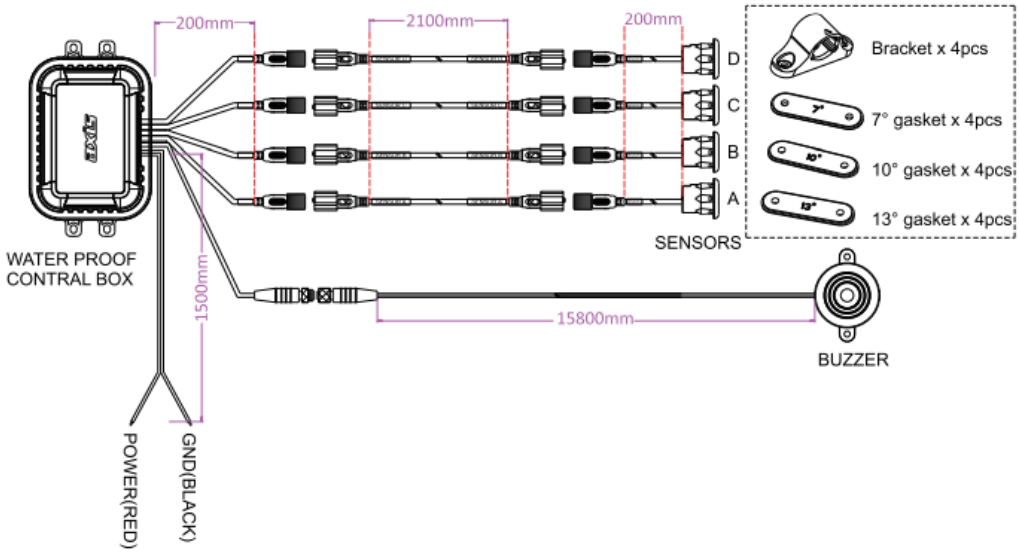
JAPAN QUALITY

APS401T
12/24V Parking Sensor System

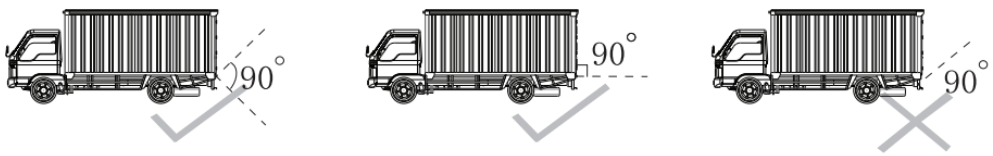
Contents

GENERAL INSTALLATION DIAGRAM



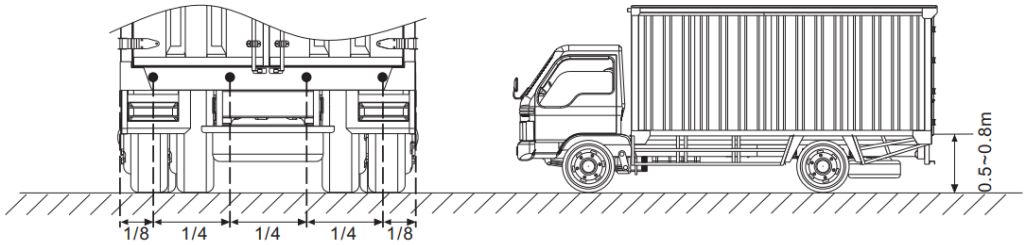


SENSOR INSTALLATION DIAGRAM



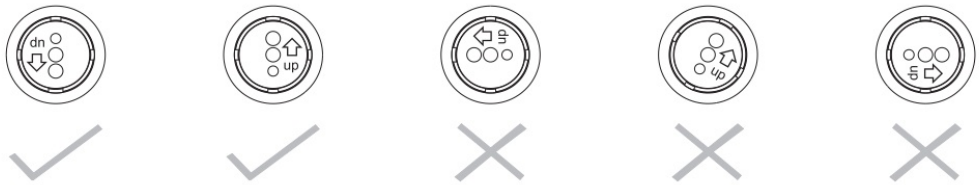
Fix the position of sensors. No obstacle should be detected at 90° from the toview otherwise the system will false alarm.

Installation distance diagram

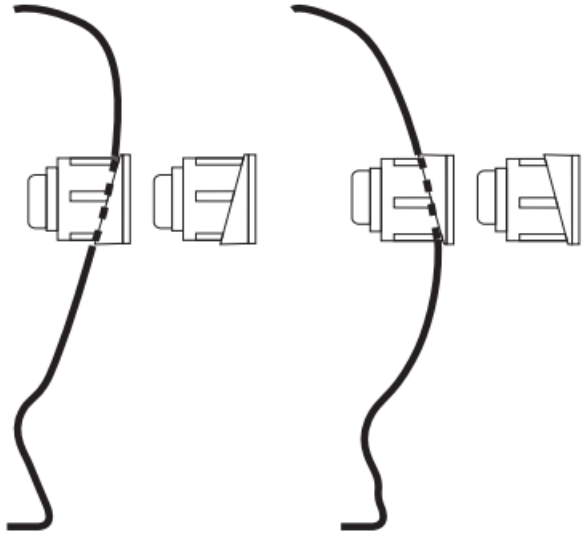


Best position for 4 sensors

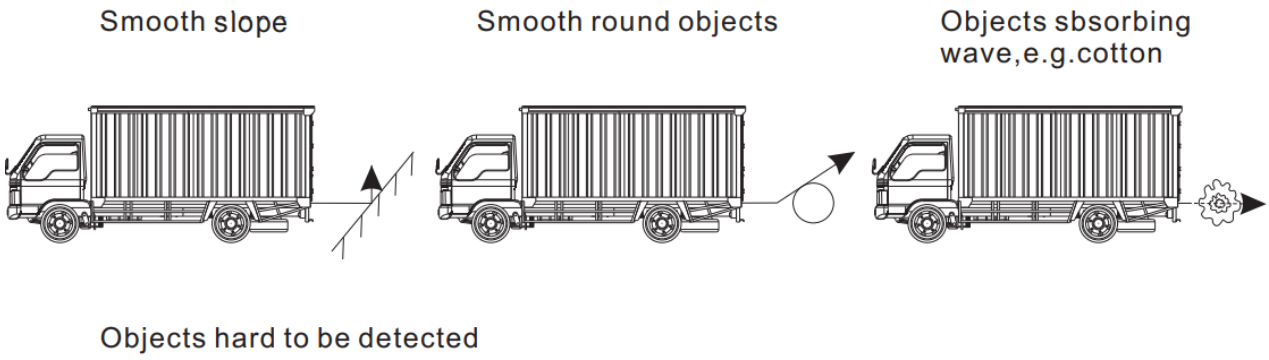
Installation distance diagram



Installation diagram

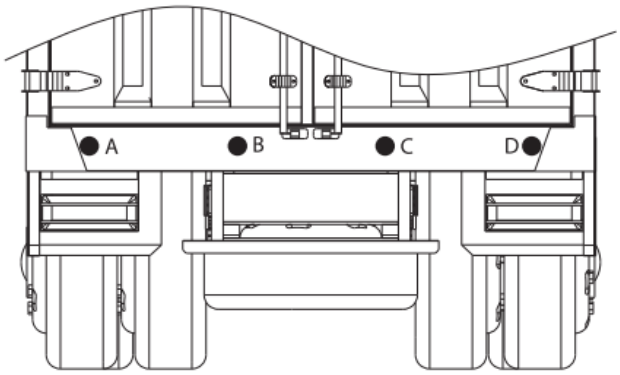
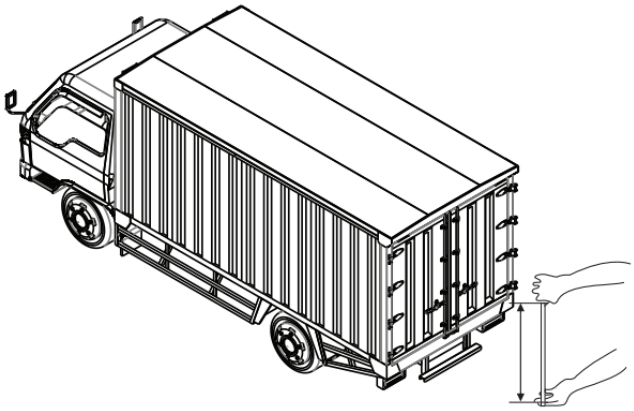
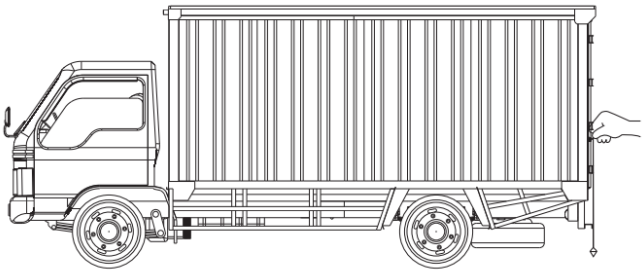


Installation when bumper is sloping to the ground.

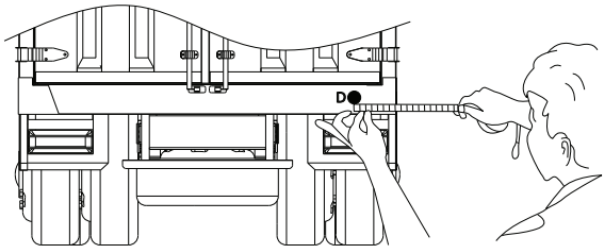
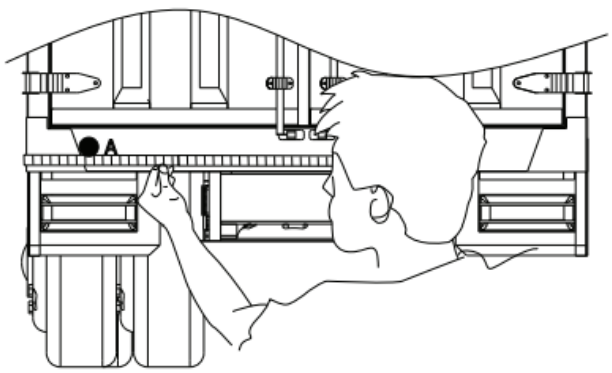


Objects hard to be detected

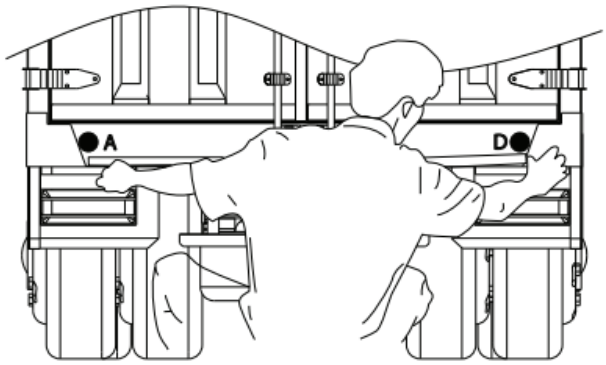
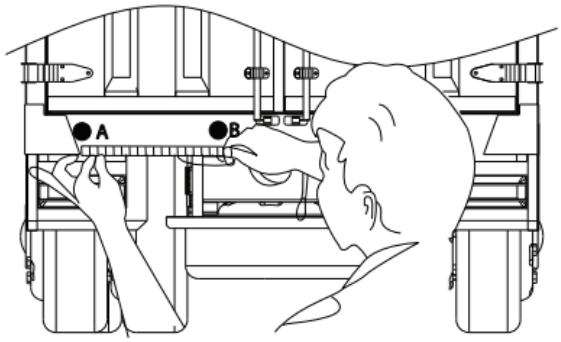
ADVISED POSITION TO INSTALL THE SENSOR

	A. Four drill holes A.B.C.D should be in line.
	B. 0.5~0.8m vertical to the ground. 0.55m is recommended.
	C. Vertical, tidy surface without metal components is preferred.

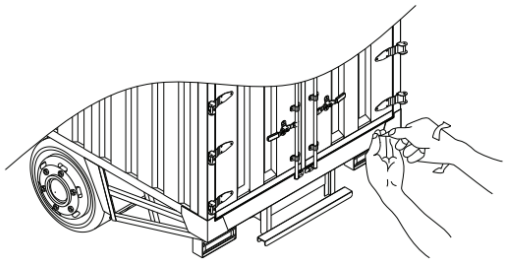
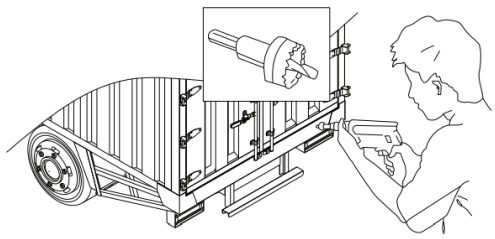
SELECT DRILLING POSITION FOR SENSOR A&D

	A. Choose suitable drilling positions for the A and D sensor and mark.
	For best detection angle, position A & D sensor 1/8 from the edge.

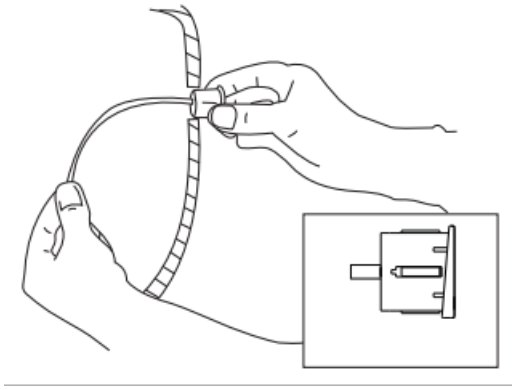
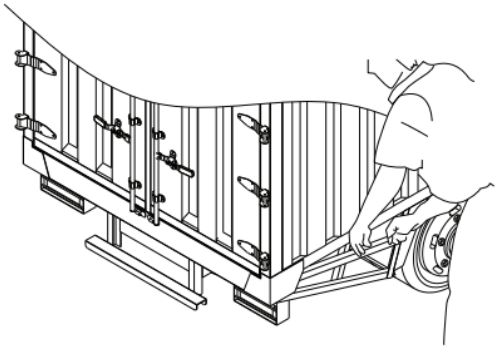
SELECT DRILLING POSITION FOR SENSOR B&C

	A. Measure the distance between sensors A and D.
	Divide distance by 3 and mark sensor B & C.

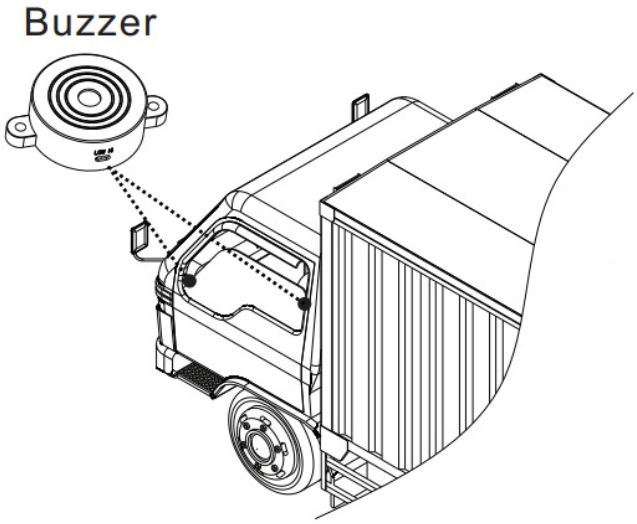
DRILLING

	A. Use a small drill bit to locate the position
	B. Drill with the bumper cutter supplied.

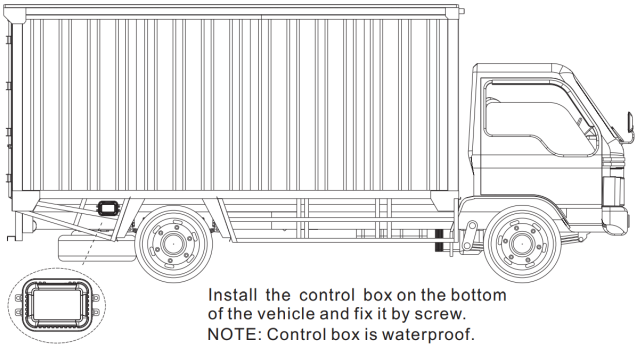
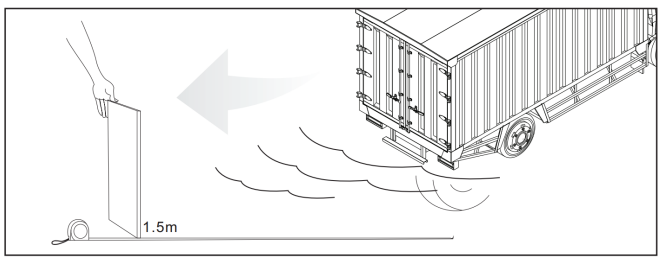
SENSOR INSTALLATION

	A. Insert the sensors into the holes and secure them.
	B. Arrange to wire neatly and securely.

BUZZER INSTALLATION

	Paste the buzzer on the center console or the rear of t he seat.

CONTROL BOX INSTALLATION

PARKING SENSOR SYSTEM

This system consists of ultrasonic sensors, a control unit, and a buzzer This system detects the distance between the vehicle and obstructions by ultrasonic sensors installed at the rear of the vehicle. The distance and direction of the obstruction will be shown by an audible buzzer with step-up “BiBi” sounds.

MAIN FEATURES

- Audible buzzer
- Volume Adjustable
- Four stages “BiBi” alarm sound
- Waterproof control box
- Hidden installation

TECHNICAL SPECIFICATIONS

- Rated Voltage: 12V/24V
- Operating Range: DC 10~32V
- Operating Current: 10-120mA
- Detecting Distance: 0.3~1.5m
- Ultrasonic Frequency: 40KHz
- Working Temperature: -20~+70°C

ALARM MODE

Detecting distance	Alarm sound
≥1.6m	Silence
≥1.1~1.5m	Bi……Bi……
≥0.6~1.0m	Bi……Bi……
≥0.4~0.5m	Bi……Bi……
≤0.3m	Bi…

INSTALLATION STEPS

1. Carefully choose a position for sensors
2. Select drilling position for sensor A&D
3. Select drilling position for sensor B&C

4. Locate the position and drill
5. Install the sensors and hide the wires
6. Install the Buzzer
7. Install the control box **(NOTE:** The control box is waterproof)

TEST

1. Adjust the direction and orientation of sensors. Neaten the wiring after installation.
2. Connect the power wire to the reversing light circuit.
3. Connect the wires between the control box and Buzzer.
4. After starting the car, the Buzzer will sound one time on power-up. Insert one sensor into the control box port. within 1.0m of hte sensor, it should detect normally.
   Disconnect this sensor from the control box and use the same method to check other sensors. Then insert all sensors into matching ports.

NOTE

1. The car must be off during the installation
2. Performance may be affected in heavy rain, gravel roads, bumpy roads, hot or moist weather, or it the sensor is covered by ice or mud.
3. Other ultrasonic or electric waves (eg voltage reducers) may affect the performance of the system.
4. The sensors should be installed securely but not over-tight.
5. Rubber sensors are designed to avoid “Metal resonance” in metal bumpers.
6. Avoid installing the digital control box in areas of interference or moisture.
7. Test the system to make sure it works correctly.
8. This system is a reversing aid and the manufacturer accepts no responsibility for an accident after the kit is installed.

NOTES

SPECIFICATIONS

GENERAL	
– Detection Range:	0.3 ~ 1.5m
– Rated Voltage:	12/24V DC
– Operating Range:	9-32V DC
– Operating Current:	350mA @ 12V

BUZZER	
– Proximity Alert:	Audible Tone
– Audible Buzzer:	Yes
– Buzzer Cable Length:	15.8m

CONTROL BOX	
– Water Resistance	IP67
– Power Leads:	1.4m
– Dimensions:	106W x 27H x 80Dmm

SENSORS	
– Sensor Type:	Angled Rubber
– Sensor Size:	20mm
– Sensor Dimensions:	26W x 26H x 23.8Dmm
– Sensor Cable Length:	2.1m
– Sensor Installation:	Under Mount or In-Bumper Mount
– Detecting Distance:	0.3 – 1.5m
– Working Temperature:	-30° to +85°C
– Water Resistance	IP68
– Under-Mount Dimensions:	61W x 31H x 22.4Dmm

INCLUDES
Control Box
4 x Sensors
Buzzer
4 x Brackets with Pads
4 x 3 Sensor Cable
Drill Bit

WARRANTY

Congratulations on your purchase of a quality axis Mobile Safety System! You're joining thousands of satisfied customers who enjoy & experience the benefits of the products we distribute. In the unlikely event that some technical difficulty arises with your purchase, be assured that we are most anxious to see that the problem is quickly rectified to your satisfaction. Please familiarise yourself with the following simple conditions of our warranty. This warranty covers faults through component failure or failure of the product to operate in accordance with published specifications. Product failure as a result of unreasonable environmental conditions, accident, misuse, improper installation, unauthorized repair, vehicle electrical or wiring faults or neglect etc, will not be covered by this warranty. Removal and installation costs, if any, would be paid by the owner as well as any freight or postage costs of transporting the product to AudioXtra. AudioXtra shall not be liable or responsible for any loss or use of this product or any form of consequential loss.

CONSUMER WARRANTY

This product is warranted by AudioXtra Pty Ltd to be free from defects in materials and workmanship under **NORMAL** USE for a period of **TWENTY FOUR MONTHS** from the date of purchase.

WITHIN 30 DAYS OF PURCHASE DATE:
Please return the unit for replacement to our National Service Centre or the Retailer from where you made the purchase. All accessories must be included. Proof of purchase date must accompany the products.

AFTER 30 DAYS OF PURCHASE DATE:
Warranty repair and service is carried out by our National Service Centre. Repair and service will be carried out at no cost to the owner if proof of ownership and the date of purchase can be verified to the satisfaction of the authorized center concerned with this repair. This proof should take the form of either: **a)** The warranty card accompanying this product, stamped and dated by the dealer. **b)** A Tax Invoice or Receipt showing full details of the original vendor, purchaser, model number, and serial number.

COMMERCIAL WARRANTY
A product used in or associated with a commercial application will carry a limited SIX MONTH warranty. An abnormal commercial application is one where usage, dust, vibration, heat/cold, and other environmental conditions exist at an extreme level. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Please complete the details below in the event of warranty service being required.

Purchasers Name: _____

Purchasers Address: _____

Model Number **APS401T** **Serial Number** _____

Dealer Name: _____ **Date of Purchase:** / /

Dealer Address:_____

Invoice/Sales Docket no: _____

General Hints: To expedite service and prompt return of the equipment, please:

a) Clearly describe the fault in detail
b) Safely and securely pack the unit for transport
c) Include your return address
d) Provide proof of purchase date as outlined above

National Service Centre:
10 STODDART ROAD, PROSPECT, SYDNEY NSW 2148 Australia Telephone: (02) 8841 9000 Fax: (02) 9636 1204
email: services@audioxtra.com.au

audioXtra PTY LTD

audioxtra.com.au

Documents / Resources

	axis APS401T 12/24V Parking Sensor System [pdf] Installation Guide APS401T, 12 24V Parking Sensor System

References

- Audioxtra – Australian importer and distributor of Axis, Blaupunkt, Dynamat, HEMA Maps, Midland and Uniden