ZIZEV ZIZEVomh8tea4pk

ZIZEV AI Robot Dog Instruction Manual

Model: ZIZEVomh8tea4pk

1. Introduction

The ZIZEV AI Robot Dog is an advanced educational robotics platform designed for students and beginners in artificial intelligence. This programmable smart pet allows users to explore mechanics, electronics, programming, automation, and AI through interactive play and learning. It features flexible movement, multiple programming options, and extensive expansion capabilities.

This manual provides essential information for setting up, operating, and maintaining your ZIZEV AI Robot Dog. Please read it thoroughly before use.

Image: The ZIZEV AI Robot Dog, showcasing its design and components.

2. Package Contents

Before proceeding, please verify that all items listed below are included in your package.

- 1 x Robot Dog
- 1 x Robot Dog User Manual (this document)
- 1 x Head Extension Bracket
- 1 x Charger
- 1 x Data Cable for Android
- 1 x Cross Screwdriver
- 1 x Screw Accessory Package (Total 34 Pieces)
- 1 x Module
- 1 x Module User Manual
- 2 x Hinge Bracket
- 1 x Voice Recognition Module
- 1 x MP3 Module (with Memory Card)

- 1 x Lattice Module
- 1 x Touch Sensor
- 1 x Light Sensor
- 1 x Card Reader
- 3 x Colorful Balls
- 1 x Type C Data Cable
- 3 x Module Cable

Image: Overview of all items included in the ZIZEV AI Robot Dog package.

3. Setup

3.1 Initial Power-Up and Charging

The ZIZEV AI Robot Dog comes pre-assembled and ready for immediate use.

1. **Locate the Power Switch:** The power switch and charging port are located on the side of the robot dog's main body.
2. **Power On:** Slide the switch to the "ON" position to power on the robot dog.
3. **Charging:** If the battery is low, connect the provided charger to the charging port. The robot dog's internal Lithium Ion Battery has a capacity of 1500mAh. The module's internal Lithium Ion Battery has a capacity of 300mAh.

Image: Detail of the ON/OFF switch and charging port on the robot dog.

Image: The robot dog connected to its charger, demonstrating the charging process.

3.2 Module Installation

The robot dog supports various sensors and electronic modules for expanded functionality. Refer to the separate Module User Manual for detailed installation instructions for each specific module.

Image: Demonstrating the installation of an expansion module onto the robot dog.

4. Operating Instructions

4.1 Movement and Kinematics

The robot dog features built-in inverse kinematics, allowing for real-time adjustments of walking direction and posture. This results in flexible and lifelike movements. It is equipped with 8 high-speed coreless servos for accuracy and robust force, enabling swift and accurate walking.

Image: The robot dog showcasing its flexible movement capabilities.

Image: The robot dog engaging with a red ball, illustrating its ability to interact with objects.

4.2 Programming Options

The ZIZEV AI Robot Dog supports multiple programming methods, catering to various skill levels.

- **PC Software Control:** Utilize dedicated PC software for advanced programming and control.
- **Mobile App Control:** Control and program the robot dog via a mobile application.
- **Python Programming:** Program the robot using Python, suitable for more experienced users and for graphical programming.
- **Scratch Programming:** Use Scratch for a visual, block-based programming experience, ideal for beginners.

4.3 AI Visual Recognition

With its integrated AI capabilities, the robot dog can perform various visual recognition tasks.

- **WiFi Real-Time Screen Return:** View the robot's perspective in real-time on a connected device.
- **Color Recognition:** Identify and distinguish different colors.
- **Color Tracking:** Follow objects based on their color.
- **Face Recognition:** Detect and recognize human faces.

- **Visual Patrol:** Navigate and patrol designated areas using visual cues.

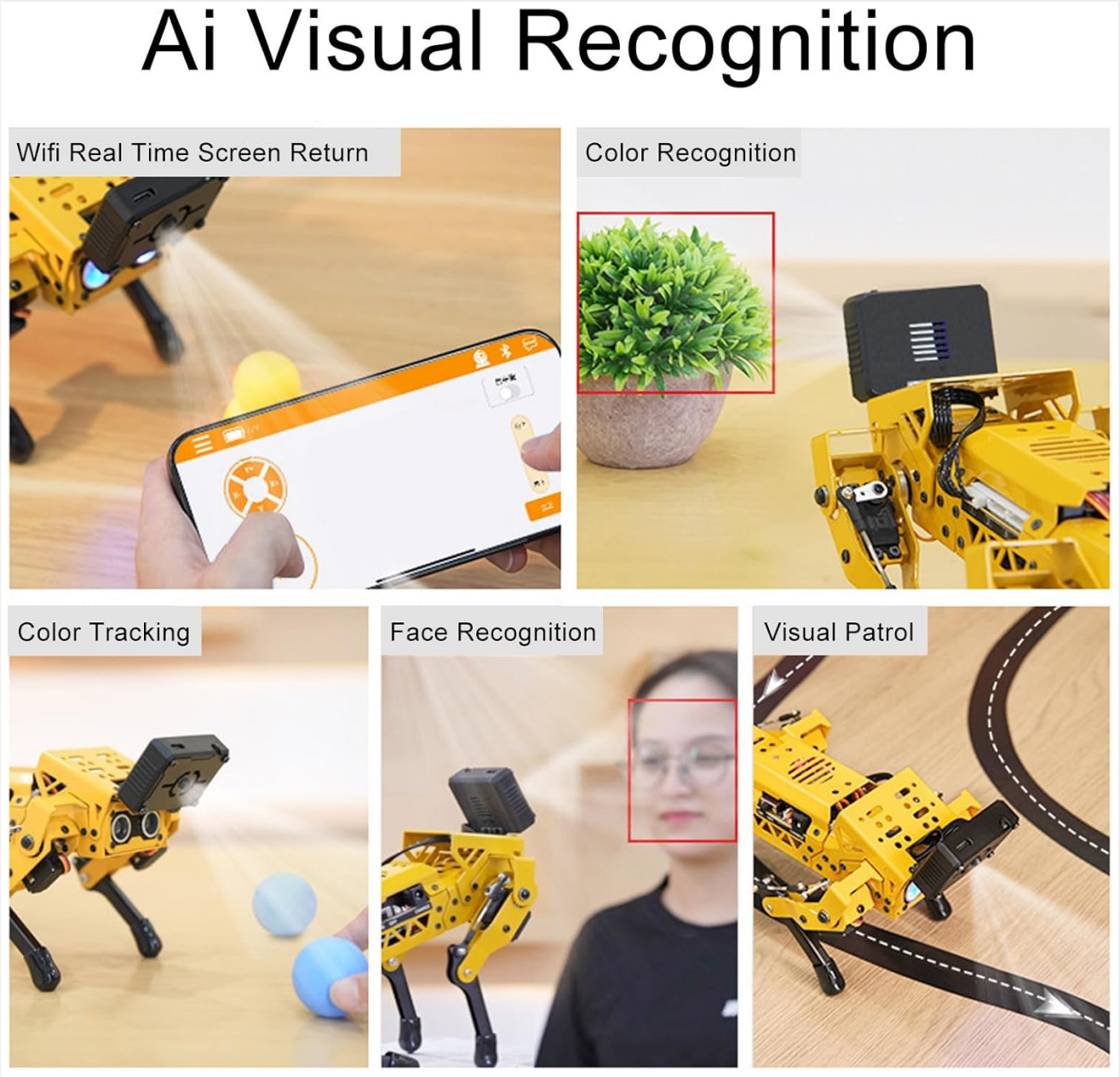

Image: Visual demonstration of the robot dog's AI recognition capabilities.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your ZIZEV AI Robot Dog.

- **Cleaning:** Use a soft, dry cloth to gently wipe the robot's exterior. Avoid using harsh chemicals or abrasive materials.
- **Battery Care:** Charge the robot dog's battery regularly, even if not in use, to maintain battery health. Avoid overcharging or completely draining the battery.
- **Storage:** Store the robot dog in a cool, dry place away from direct sunlight and extreme temperatures.
- **Screw Tightness:** Periodically check all screws and connections for tightness. Use the provided cross screwdriver for any adjustments.
- **Module Handling:** When installing or removing modules, do so carefully to avoid damaging connectors.

6. Troubleshooting

If you encounter issues with your ZIZEV AI Robot Dog, refer to the following common problems and solutions.

- **Robot does not power on:**
  - Ensure the power switch is in the "ON" position.
  - Check if the battery is charged. Connect the charger and allow it to charge for at least 30 minutes before attempting to power on again.
- **Robot movements are erratic or unresponsive:**
  - Verify that all module cables are securely connected.
  - Ensure the robot's battery is sufficiently charged. Low battery can affect servo performance.
  - If using wireless control, check the connection between the robot and your control device (PC/mobile app).
- **Modules are not detected or functioning:**
  - Refer to the specific Module User Manual for correct installation and software configuration.
  - Ensure the module is properly seated in its port.
- **Programming issues:**
  - Double-check your code for syntax errors or logical flaws.
  - Ensure the correct programming environment (Python IDE, Scratch interface, mobile app) is being used and is properly connected to the robot.
  - Consult online resources or community forums for programming assistance.

For further assistance, please contact ZIZEV customer support.

7. Specifications

Feature	Detail
Model Number	ZIZEVomh8tea4pk
Product Dimensions	13.77 x 6.69 x 5.51 inches
Item Weight	2.6 pounds
Robot Dog Battery Type	Lithium Ion Battery (Built-in)
Robot Dog Battery Capacity	1500mAh
Module Battery Type	Lithium Ion Battery (Built-in)
Module Battery Capacity	300mAh
MP3 Module Memory Card Support	Up to 128G
Recommended Age	4 years and up
Manufacturer	ZIZEV

8. Warranty and Support

8.1 Warranty Information

Specific warranty details for the ZIZEV AI Robot Dog are typically provided at the point of purchase or within a separate warranty card included in the product packaging. Please retain your proof of purchase for warranty claims. Generally, products are covered against manufacturing defects for a specified period. Damage resulting from misuse, accidents, unauthorized modifications, or improper maintenance is usually not covered under warranty.

8.2 Customer Support

For technical support, troubleshooting assistance beyond this manual, or inquiries regarding warranty service, please contact ZIZEV customer support.
You may find contact information on the official ZIZEV website or through the retailer where you purchased the product.
Visit the ZIZEV Store on Amazon