

WhalesBot D1 Pro

WhalesBot D1 Pro STEM Coding Robot Kit

Model: D1 Pro

Brand: WhalesBot

INTRODUCTION

The WhalesBot D1 Pro is a versatile 21-in-1 STEM Coding Robot Kit designed to introduce children aged 4-10 to the exciting world of robotics, building, and programming. This comprehensive kit combines hands-on construction with intuitive app-controlled functionality and modular coding, fostering essential skills such as logical thinking, problem-solving, and creativity through engaging, interactive play.



Image: The WhalesBot D1 Pro kit, showcasing the main race car model, the product box, and several other possible robot configurations, along with the controller and motor components.

Safety Information

WARNING: CHOKING HAZARD - Small parts. This product contains small components that could pose a choking risk and is not suitable for children under 3 years of age.

What's in the Box

Your WhalesBot D1 Pro kit includes over 280 pieces, allowing for the construction of 21 unique robot models. Carefully unpack all components and verify against the list below:

- **Electronic Components:** Includes the main SC303 Controller and a Closed-Loop Motor.
- **Structural Parts:** A wide variety of beams (20, 30, 50, 70, 110, 126" 4X6, 90" 3X5, Square, 90" 2X3 Side

Hole, 30 Side-Hole, 40 Transverse, 30 Single, 50 Single, U-Shaped), axles (30, 40, 50, 60, 80, 100), couplers (20, 157.5°), gears (12-Teeth Bevel, 20-Teeth Bevel, 36-Teeth Bevel, 8-Teeth Spur, 24-Teeth Spur, Worm, Pulley, Drive Tie, Drive Hub), and decorative parts (3X3, 126°, 2X5 Right/Left, 3X5 Right/Left, 3X7 Right/Left).

- **Fasteners:** Double Bolts (1.5, 2, 3), Double Step Bolt, 0.5 Pulley Axle Sleeve, Axle Sleeve.
- **Accessories:** String, Rubber Band, Stickers.
- **Documentation:** Quick Start Card.

What's in the Box

CPC FC



280+ Pcs of Parts



























































 x1	 x1	 x4	 x6	 x6	 x8	 x8	 x4	 x6	 x4
 x6	 x3	 x6	 x6	 x6	 x6	 x4	 x3	 x2	 x2
 x3	 x4	 x3	 x4	 x1	 x26	 x41	 x27	 x4	 x10
 x13	 x4	 x2	 x3	 x2	 x3	 x2	 x3	 x2	 x2
 x2	 x1	 x4	 x4	 x4	 x1	 x4	 x2	 x2	 x2
 x1	 x3	 x1	 x1	 x2	 x1	 x4	 x1		

Image: A comprehensive layout of all 280+ individual building blocks and electronic components, including the controller, motor, various beams, axles, gears, and decorative pieces, as they appear when unpacked from the kit.

Discover Modular Structures

From Brain to Action — Develop Real Skills by Building

Controller
Thinks & Commands



Motor
Drives & Moves



Structures Parts
Connect & Build

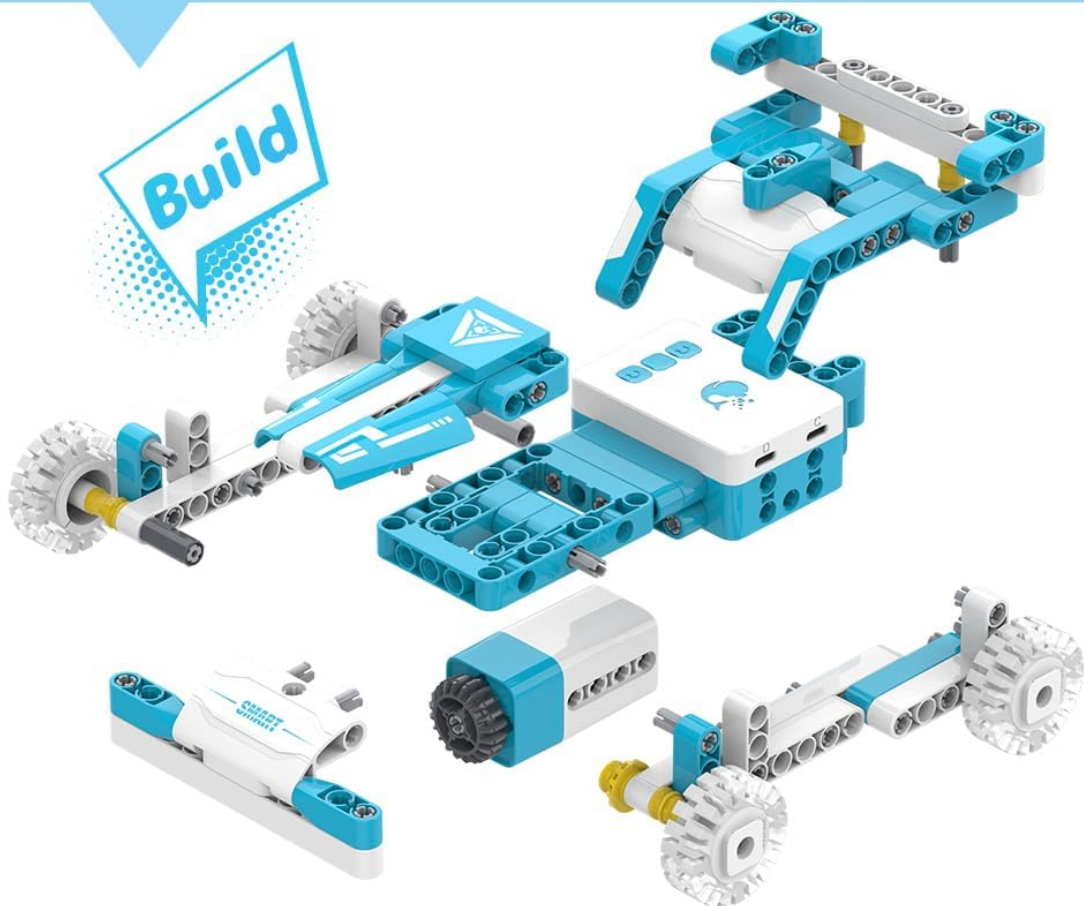
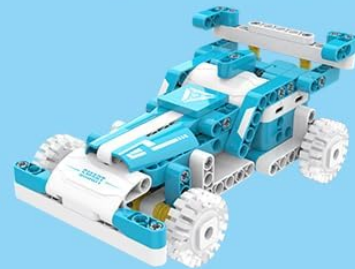


Image: A visual breakdown of the core modular components: the main controller unit, the smart motor, and various structural building parts, illustrating how they combine to form robot models.

SETUP GUIDE

1. Unboxing and Initial Preparation

Upon opening the box, you will find various bags containing the building blocks and electronic components. It is recommended to sort the parts and refer to the included Quick Start card or the in-app parts list to familiarize yourself with the different pieces.

2. Building Your Robot Model

The WhalesBot D1 Pro offers detailed 3D step-by-step building instructions within the dedicated WhalesBot app. These interactive guides make assembly straightforward for beginners.

1. **Download the WhalesBot App:** Search for "WhalesBot" in your device's app store (available for iOS and Android).
2. **Select a Model:** Open the app and navigate to the 'Build' section. Choose your desired robot model from the 21 available options.
3. **Assemble Components:** Follow the 3D animated instructions to assemble the physical robot. Carefully connect the structural parts and electronic components (controller and motor) as shown. Ensure all connections are secure and firm.

3D Step-by-Step for Beginners

All-in-One Support to Inspire Hands-On Discovery



Image: A smartphone screen showing detailed 3D building steps for a robot model, with a partially assembled robot in the background, illustrating the app's guidance feature.

3. App Connection via Bluetooth

Once your robot is built, connect it to the WhalesBot app via Bluetooth for control and programming.

1. **Enable Bluetooth:** Ensure Bluetooth is enabled on your smart device.
2. **Power On Robot:** Turn on the WhalesBot D1 Pro controller by pressing its power button.

3. **Connect in App:** In the WhalesBot app, navigate to the 'Remote Control' or 'Coding' section. The app will automatically search for and connect to your robot. A confirmation message will appear once connected.

Video: This video demonstrates the unboxing process, initial assembly steps, and the seamless Bluetooth connection between the WhalesBot D1 Pro robot and the control app, showing how to get started with the kit.

OPERATING INSTRUCTIONS

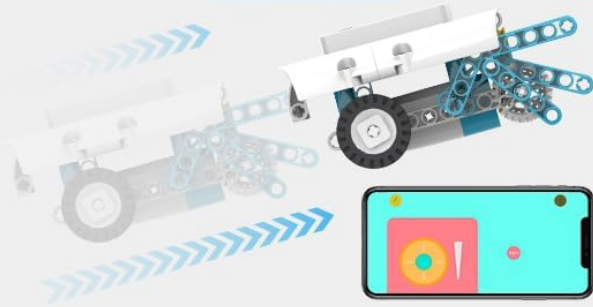
1. Remote Control Functionality

The WhalesBot app transforms your smartphone into an intuitive remote control for your robot. Use the on-screen joystick or buttons to control movement, activate sounds, and interact with your built model in real-time.

More Than Just a Toy

Tap, Drag, and Control—Right from Your Screen

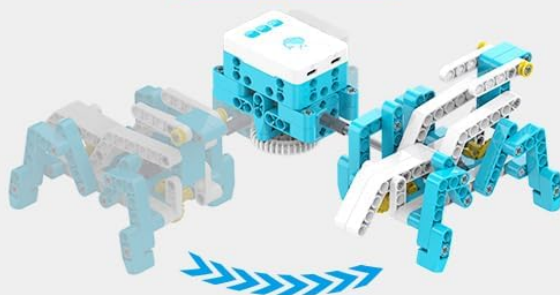
Control



Voice



Spin



Bluetooth



Image: The WhalesBot app interface on a smartphone, illustrating different control methods such as direct remote control, voice commands, spinning actions, and the Bluetooth connection status, highlighting the versatility of interaction.

2. Modular Coding Environment

The kit features a user-friendly modular coding environment within the app. Drag-and-drop coding blocks allow users to create sequences of actions, sounds, and lights for their robot.

1. **Access Coding:** Navigate to the 'Coding' section in the WhalesBot app.
2. **Select Blocks:** Choose from various coding blocks representing different commands (e.g., move forward, turn, play sound, light effects).
3. **Arrange Code:** Arrange the blocks in a logical sequence to program your robot's desired behavior.
4. **Run Program:** Execute your code to see your robot perform the programmed actions. The app includes