

AI PROGRAMMING ROBOT BUILDING KIT

MODEL NUMBER : GT-P09

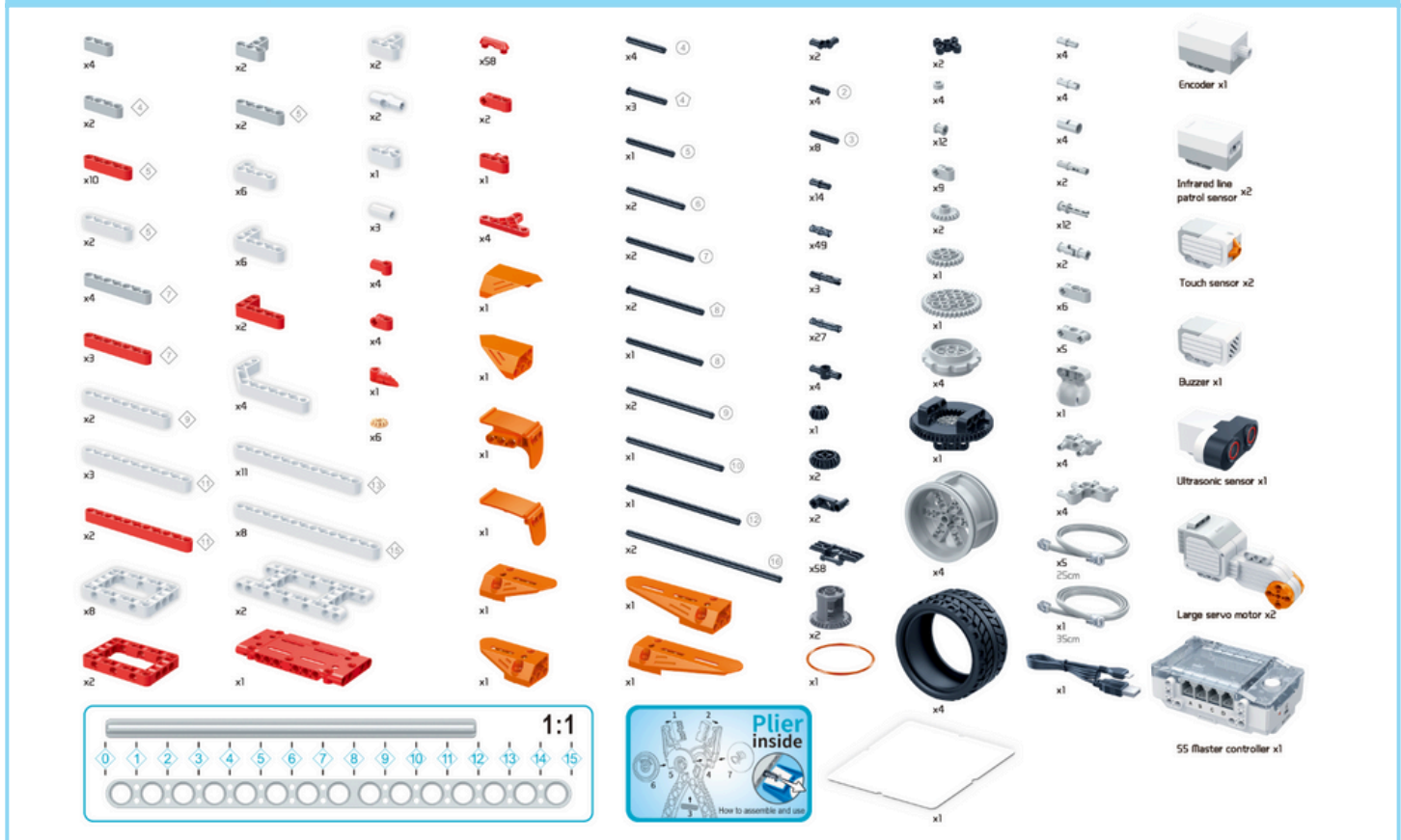


DESCRIPTION

GOTT GT-P09 is a 491-piece STEAM kit crafted from eco-friendly ABS plastic, designed for curious minds aged 12 and up. It includes 9 programmable robots equipped with servo motors, ultrasonic and touch sensors, and supports coding through app integration. This hands-on kit introduces key robotics concepts while encouraging creativity through structured building activities.

With support for Scratch programming, kids can bring their robot creations to life using an intuitive, visual coding language. The GT-P09 sparks imagination and builds real-world tech skills as children program their robots to perform tasks like obstacle avoidance and sound-triggered responses. A perfect blend of play and learning, it's ideal for both home and classroom STEAM adventures.

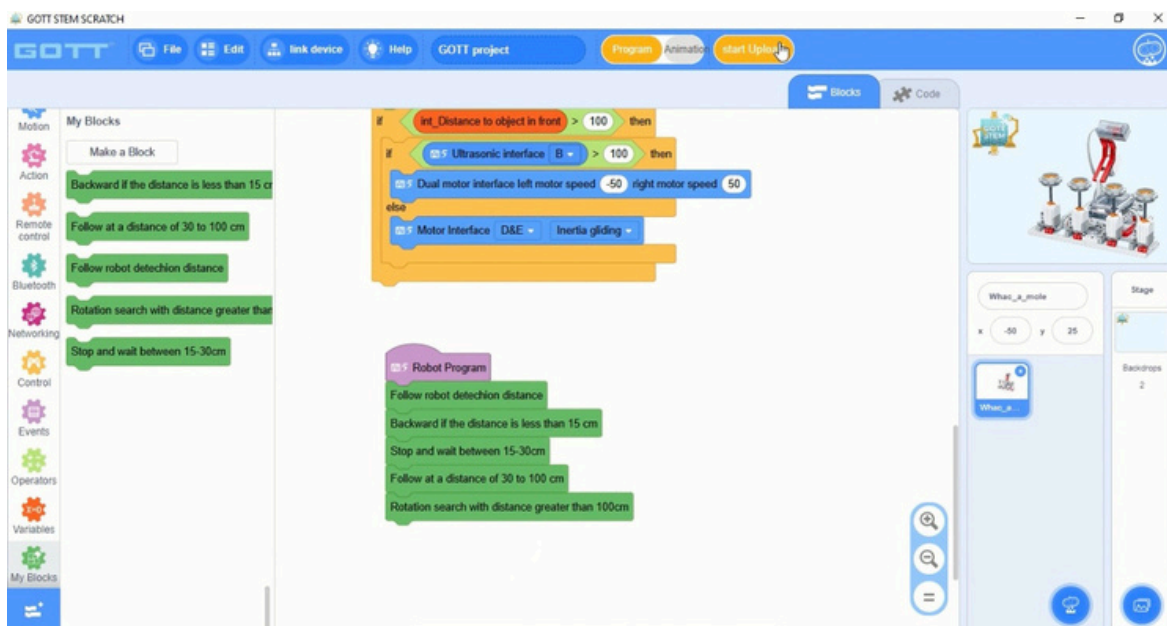
KEY COMPONENT



AI PROGRAMMING ROBOT BUILDING KIT

MODEL NUMBER : GT-P09

ONLINE SOFTWARE AND PROGRAMMING AI TOOLS GOTT® STEAM SCRATCH APP



DESCRIPTION

The GOTT STEAM Scratch App is a user-friendly programming platform designed to introduce children (ages 8 and above) to coding, artificial intelligence (AI), and STEAM (Science, Technology, Engineering, Arts, and Mathematics) concepts. It merges interactive robot building with graphical programming and AI-guided challenges, creating an engaging learning experience. This platform supports multi-device remote control and real-time coding, making it ideal for classrooms, training centers, and home-based learners.

KEY FEATURES

1. AI-Guided Programming: Step-by-step challenges enhance understanding of programming logic and AI concepts.
2. Hands-On Coding Experience: Encourages learning through interactive projects involving sensors and robotics.
3. Visual Coding Interface: Drag-and-drop block programming makes it easy for beginners to start coding.
4. Multi-Device Support: Enables remote control and project collaboration across various devices
5. Gamified Learning Modules: Engaging puzzles and creative tasks boost learner motivation and retention.

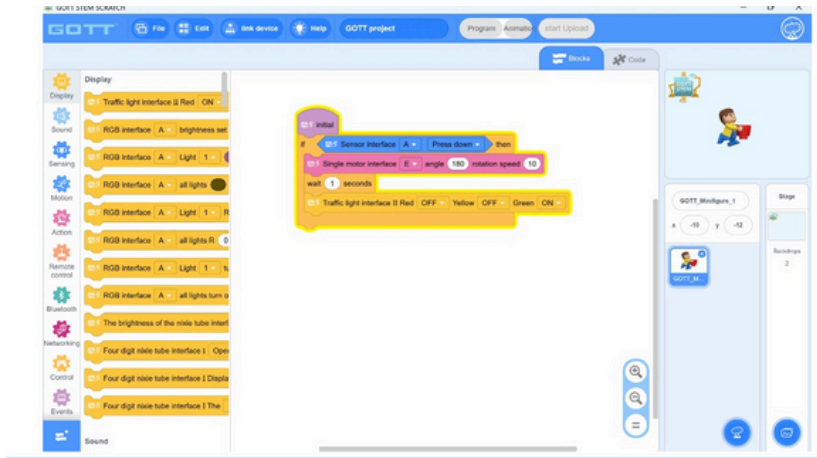
KEY LEARNING OUTCOME

1. Develop Critical Thinking
2. Foster Creative Problem Solving
3. Enhance Team Collaboration
4. Promote Digital Citizenship
5. Build Confidence in STEAM

AI PROGRAMMING ROBOT BUILDING KIT

MODEL NUMBER : GT-P09

FEATURES

STEM Learning	Encourages skills in Technology, Engineering, and AI (STEM).
Remote Control and Automation	Robots can be manually control in our mini program
Affordable Alternative	Generally more cost-effective compared to other robotics kits like LEGO Mindstorms or VEX Robotics, making them accessible to a wider audience.
Main Materials	ABS Plastic
Battery type	Rechargeable lithium battery
Servo Motor	Position Control – Rotates within a fixed range (e.g., 0° to 180° for standard servos).
Programming language	SCRATCH3.0
Main controller Function	It has 8 RJ12 ports, each of which is assigned 1~4 IO ports. A mini USB charging port, you only need to connect the computer via a micro USB data cable to download the program, and perform human-computer interactive programming with scratch 3.0
Ultrasonic Sensors	Non-contact Measurement – Detect objects without physical contact.
Number of building blocks	491 pieces
Working temperature	4 ~ 40 °C
Packing box size	42cm X 30cm X 20cm
9 in 1 kinds of building block models + full-color printing project instruction manual	- The building block parts of this kit are dominated by blue and white, the whole is full of science and technology, which can be assembled into N models. - The manual includes assembly steps of 16 kinds of models and basic instruction content for programming.
Compatible with building block, various gameplays	9 in 1 kinds of models , such as following robot, electronic gaming, electronic mecahnical arm, electronic plotter, electronic guitar - Users can also expand through more bricks and build more interesting shapes.
Lifetime	120 minutes
Education	
Programming Interface	PC App (GOTT STEAM SCRATCH APP) + Visual Coding Guide
Material	Non-Toxic ABS Plastic

AI PROGRAMMING ROBOT BUILDING KIT

MODEL NUMBER : GT-P09

BUILDING BLOCKS

Structural Beams and Connectors	• Various white beams (different sizes): x2, x6, x8, x10 • Various red beams and connectors: ◦ L-shaped connectors: x2, x4, x6 ◦ Small red connectors: x58, x2, x4 • Specially shaped frames: ◦ Red rectangular frame: x1 ◦ White structural frames: x2, x6
Angular and Decorative Blocks	• Orange aerodynamic blocks: x1, x2, x4 • Red structural connectors: x58, x2, x4
Axles and Rods	• Black rods of various sizes: x4, x6, x8, x12, x14
Gears and Mechanisms	• Gray gears of different sizes: x9, x12, x27, x49
Wheels and Tires	• Large rubber tire: x1 • Wheel rim: x1
Sensors and Electronics	• Encoder: x1 • Infrared line patrol sensors: x2 • Touch sensors: x2 • Buzzer: x1 • Ultrasonic sensor: x1 • Large servo motor: x1
Cables and Accessories	• 25cm cables: x5 • 35cm cable: x1 • Power adapter: x1
Controller	• SS Master Controller: x1

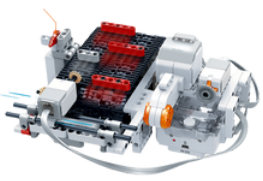
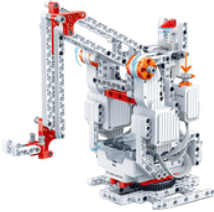
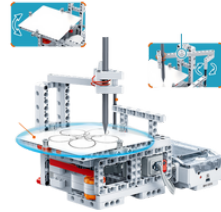
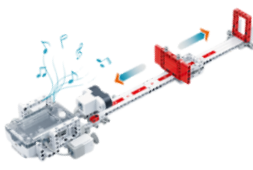
SENSORS

Touch Sensor*2	• Micro slide switch detects touch action • Orange cross shaft extends touch range
Buzzer*1	• Electronic sound generator ("beep beep") • Produces tones via frequency modulation
Encoder*1	• Detects rotation direction/speed/amplitude • Supports unlimited turns from any start position • Clockwise = positive count (resettable)
Infrared Line Patrol Sensor*2	• Infrared transmitter/receiver pair • Returns analog/digital signals via reflection
S5 Master Controller*1	• ATmega328P MCU with 32KB flash/2KB RAM • 23 I/O lines for peripheral control • The main frequency is 16MHz • Eight RJ12 ports and supports a variety of peripheral sensors • Equipped with 7.4V1000mAh battery
Large Servo Motor*2	• High-torque bidirectional drive • Precise angle control ($\pm 1^\circ$ accuracy)
Ultrasonic Sensor*1	• Measures obstacle distance (4-280cm) • Calculates via ultrasound TX/RX time difference

AI PROGRAMMING ROBOT BUILDING KIT

MODEL NUMBER : GT-P09

BUILDING MODELS DETAILS

ELECTRONIC GAMING	ELECTRONIC MECHANICAL ARM	ELECTRONIC PLOTTER	ELECTRONIC GUITAR	ULTRASONIC 4 WDD
				
SMART CAR	ELECTRONIC BLENDER	SMART FAN	FOLLOWING ROBOT	
				

Manuals :

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms:

- (1) Accessories will be provided where applicable.
- (2) Manuals & Training will be provided where applicable.
- (3) Designs & Specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty:

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
AI PROGRAMMING ROBOT BUILDING KIT	GT-P09	7110-010

* Proposed design only, subject to changes without any notice.