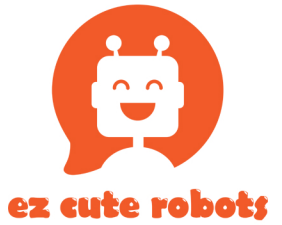ez cute robots

TACOBOT

World's first stackable coding robot

The World's First Stackable Coding Robot for STEM Learning

The World's First Stackable Coding Robot for STEM Learning

TacoBot is a modular logic coding robot designed for children over 4 years old, and different functional robots can be created by simply stacking different modules. It can be given the ability to perform different tasks by remote control, simple keystrokes or graphical programming. During the assembly process, children can not only learn STEM education, but also develop their observation, logical thinking, abstract thinking and practical ability.
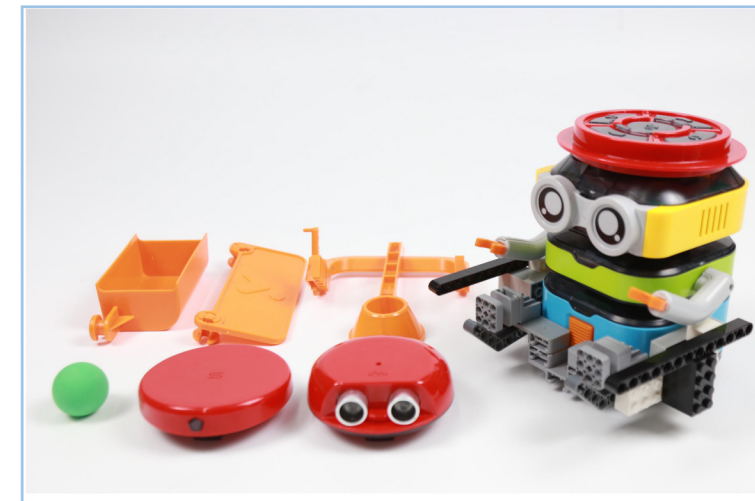
TacoBot = Coding robot + E-Blocks + Story teller
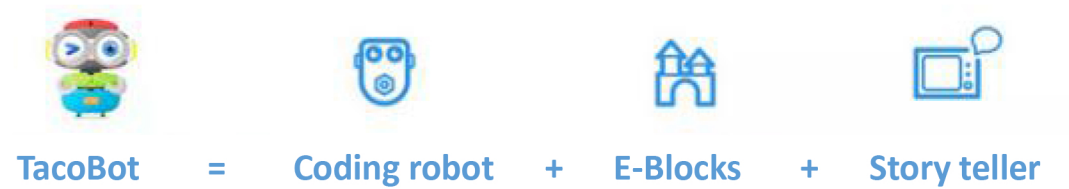
Build & Play   **Programming**   **STEM skills**   **Science & Technology**   **Creativity**

STEM knowledge

Computational thinking

Teaching Materials in handbook and APP

Beneficial for kids aged 4 to 8
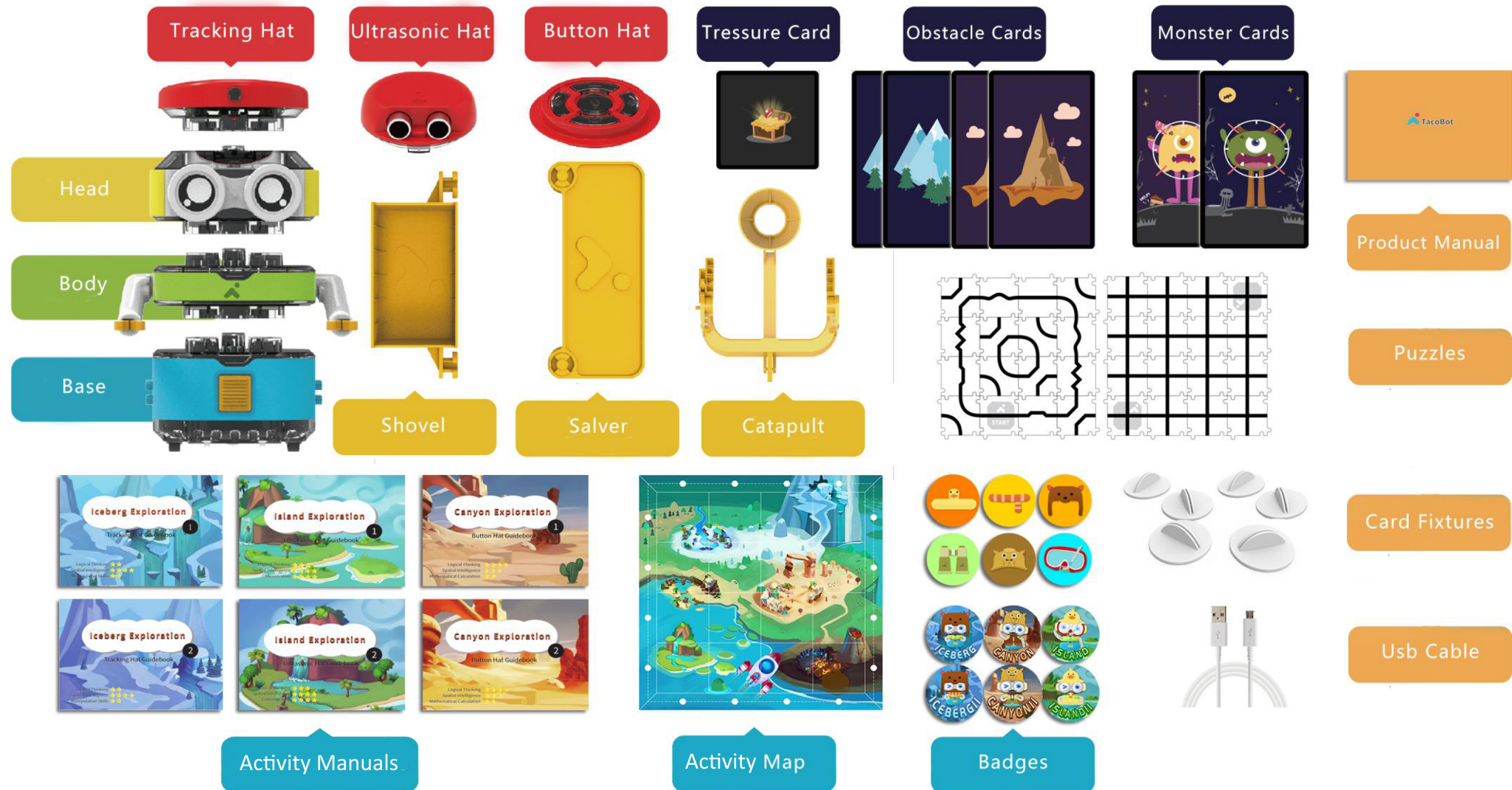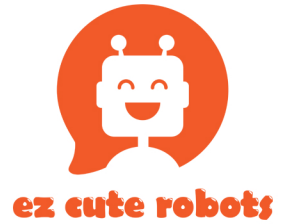
Button programming and graphical programming

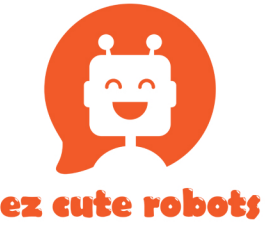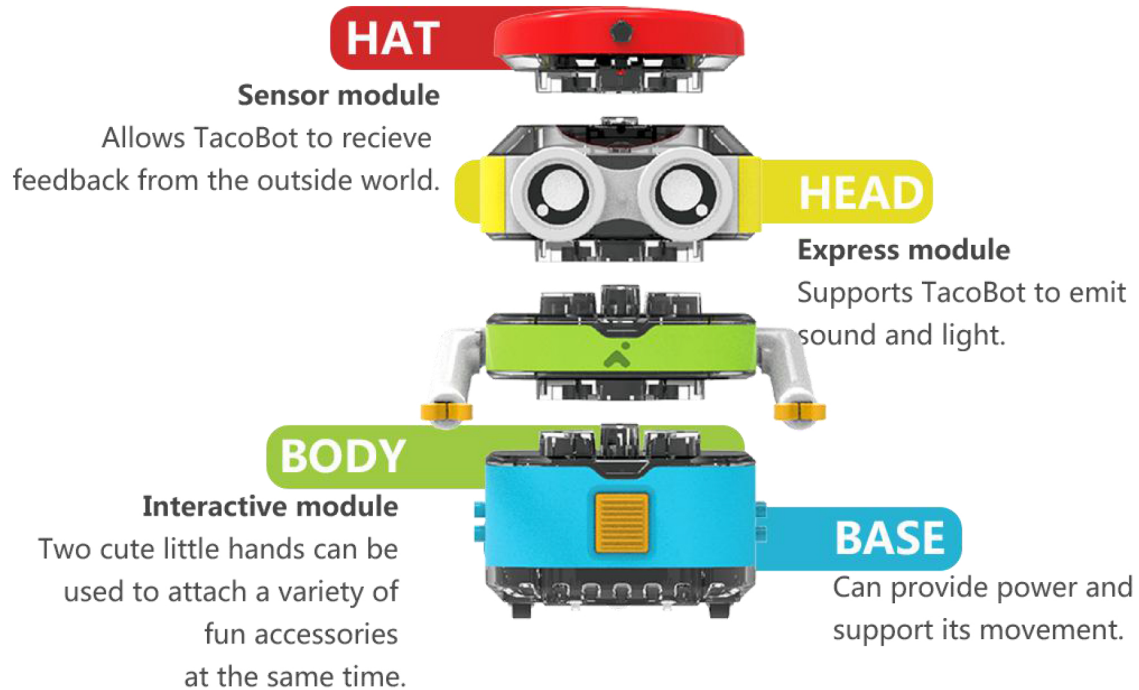Reconfigurable via Intuitive stacking system

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FEATURES

What's inside the TacoBot Kit?

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Tracking Hat

Ultrasonic Hat

Button Hat

Tressure Card

Obstacle Cards

Monster Cards

TacoBot

Head

Body

Base

Shovel

Salver

Catapult

Product Manual

Puzzles

Iceberg Exploration 1
Tracking Hat Guidebook

Island Exploration 1
Ultrasonic Hat Guidebook

Canyon Exploration 1
Button Hat Guidebook

Iceberg Exploration 2
Tracking Hat Guidebook

Island Exploration 2
Ultrasonic Hat Guidebook

Canyon Exploration 2
Button Hat Guidebook

Card Fixtures
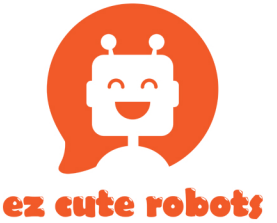
Usb Cable

Activity Manuals

Activity Map

Badges

Stackable Structure | Endless Ways to Play

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TacoBot's humanoid stackable structure was designed to make it easy for children to get started. By simply stacking and combining, they can create an endless number of ways to play, ignite their interest in science and technology, and develop their thinking skills.

HAT

Sensor module
Allows TacoBot to recieve feedback from the outside world.

HEAD

Express module
Supports TacoBot to emit sound and light.

BODY

Interactive module
Two cute little hands can be used to attach a variety of fun accessories at the same time.

BASE

Can provide power and support its movement.

Dodging

Catapult

Dancing

Delivery

Line Patrol

Story Teller

The Core of STEM Education | Learning through Play

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TacoBot's screen-free button programming and graphical programming based on ScratchJr can cater to children of all ages, allowing them to experience the fun of knowledge in the activities.

Button Programming

TacoBot's movements can be programmed by pressing the buttons on the button hat. For example, program TacoBot with buttons to solve a maze.
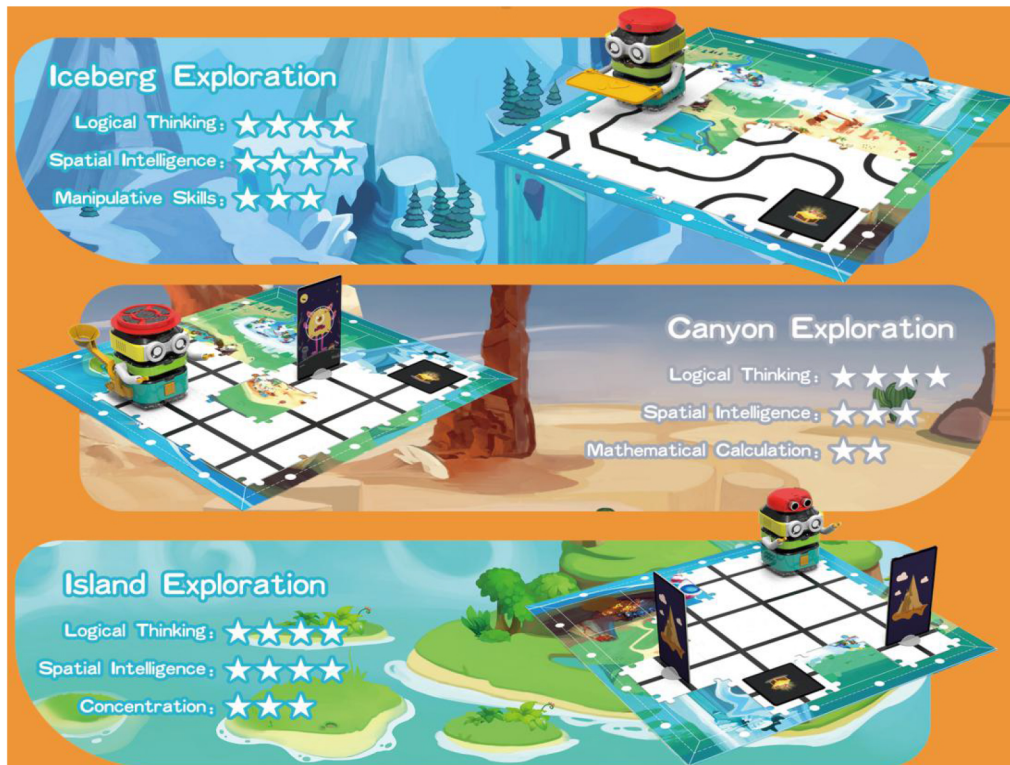
Graphical Programming
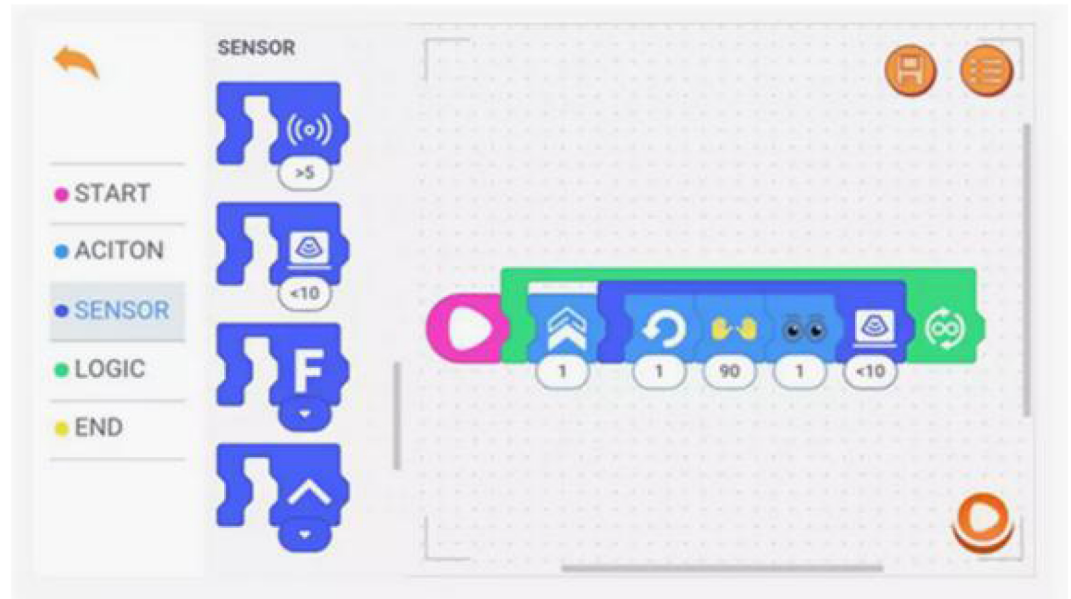
Combining hats with drag-and-drop graphical programming software gives TacoBot superpowers and the ability to perform more complex tasks.

Easy Entry | Improve quickly

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Do not worry if your child doesn't understand. There are twelve stages in each exploration in the given manuals, which can improve children's logical & critical thinking skills in different explorations. And the "Novice Task" module set in TacoBot APP allows children to learn coding step by step.
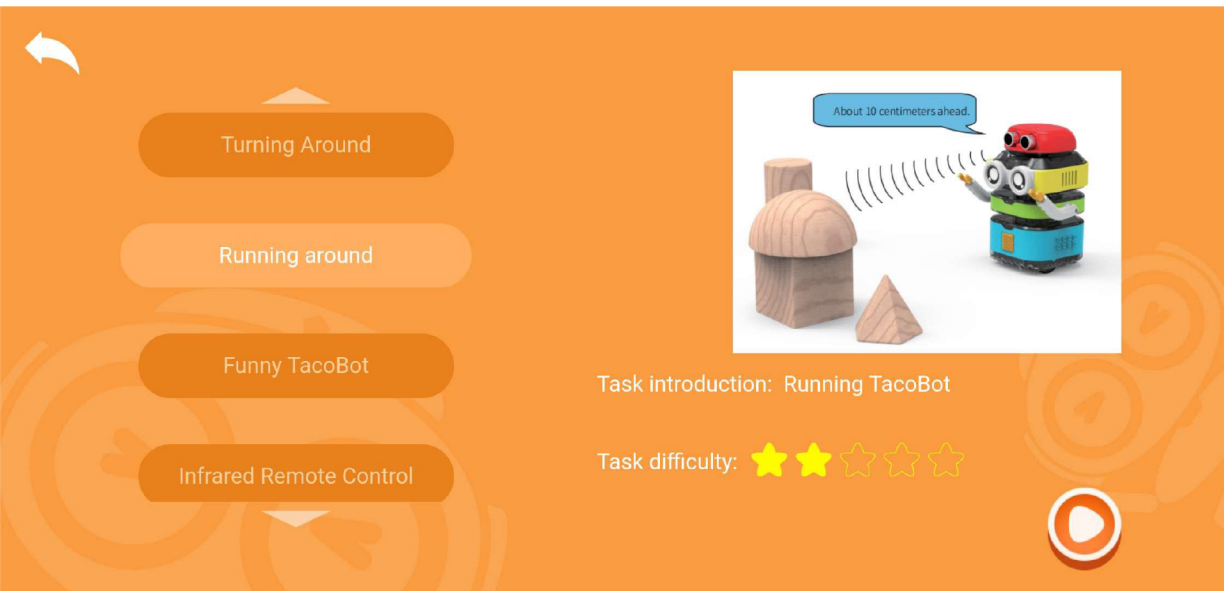
Screen-free Coding Activities

Novice Task

Turning Around

Running around

Funny TacoBot

Infrared Remote Control

About 10 centimeters ahead.

Task introduction: Running TacoBot

Task difficulty: ★★☆☆☆

Functions and descriptions of TacoBot's modules - main parts

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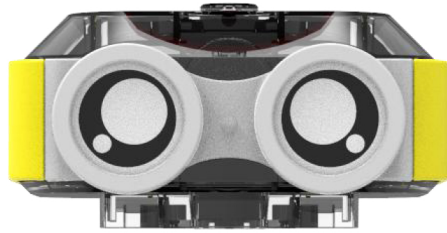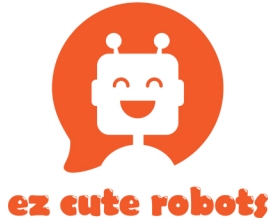
Brain

- Connect to the app via Bluetooth - built-in Bluetooth module
- Play music - built-in Bluetooth player
- The eyes can shine and blink - built-in two LEDs
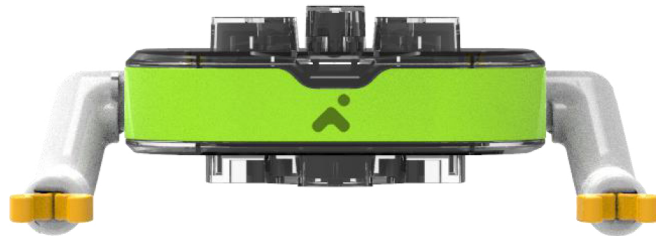
Body

- Both arms can move freely within 180 degrees and are controlled by two anti-snapping servomotors inside the body

Base

- Power Supply - built-in 800 mA rechargeable lithium battery that can be charged via micro USB
- Movement - built-in two servomotors that drive the wheels forward
- Tracking - built-in two tracking sensors, can only be activated when wearing the tracking hat and operating activities
- Activate activities - click the button on the base to activate the activities

Functions and descriptions of TacoBot's modules - hats

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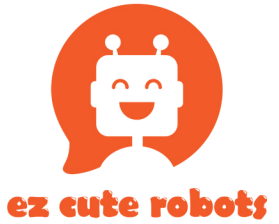
Tracking hat

- When the tracking hat is installed on TacoBot, the tracking hat can trigger the tracking sensor in the base

- The tracking sensor is located inside the base instead of the tracking hat, and the tracking hat acts only to trigger the tracking sensor in the base

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Button hat

- TacoBot's movements can be programmed by pressing 7 programming buttons and 1 transmit button

- In different sensor activity,the corresponding functions of each button is different, so as to achieve the diversity of button programming (different buttons can be used to compose different notes)

Ultrasonic hat

- Ultrasonic sensor allows Tacobot to detect objects

- Ultrasonic waves can be used to measure distances. TacoBot gives different responses to objects of different distances
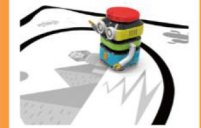
- Sensor activity can be updated via the server, and will continue to be enriched in the app
- The function of the hat can be changed during the app programming process in order to achieve the expansion of programming (the hat can only be used after putting on TacoBot)
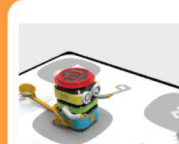
Corresponding Sensor Activity

Line Patrolling — Activate

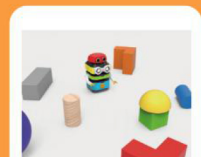Boundary Detection — Activate

A Loyal Soldier — Activate

Pro dancing — Activate
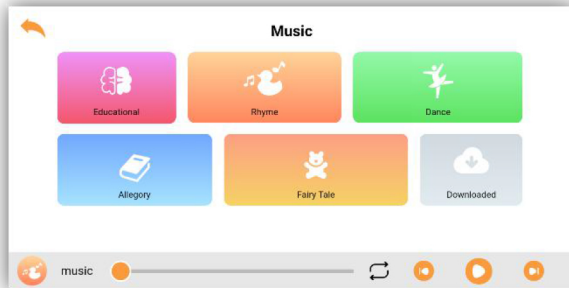
Keeping a Distance — Activate

Sloving Mazes — Activate

# Functions and descriptions of TacoBot's modules - APP

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Music & Dance

With features like Fairy Tale, Rhyme, etc. which can be downloaded from the server to turn TacoBot into a storyteller and dancer.

There're 4 modules in the homepage of TacoBot's APP. Through the update of APP and server, children will have the opportunity to continuously explore new and interesting activities.
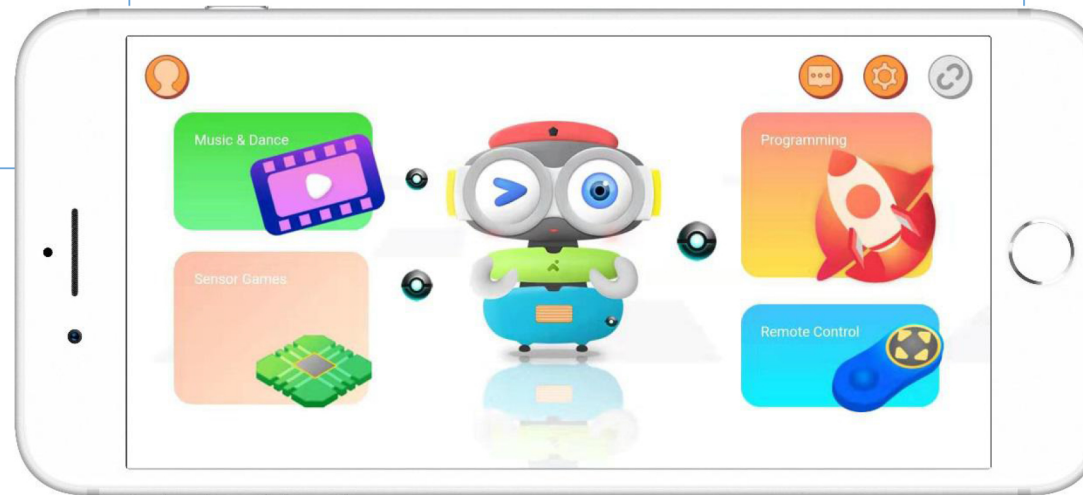
Programming
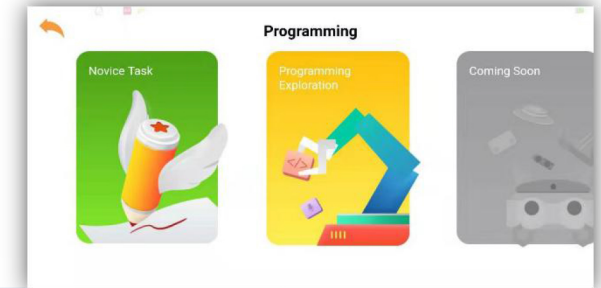
From 'novice task' to 'programming', gradually cultivate children's logical thinking and programming knowledge and lays the foundation for future study in various disciplines.
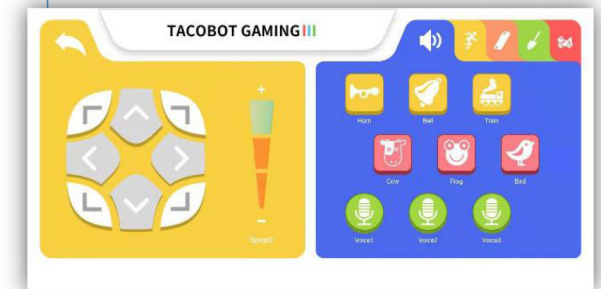
Sensor Activity
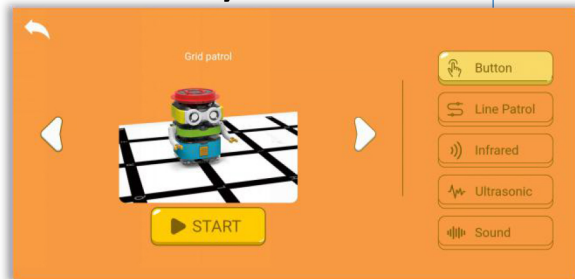
Download different activities through this module, so that children can interact with TacoBot even when there is no screen.

Remote Control

This module makes TacoBot a powerful multi-role robot that can be controlled from a distance.

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Thank you