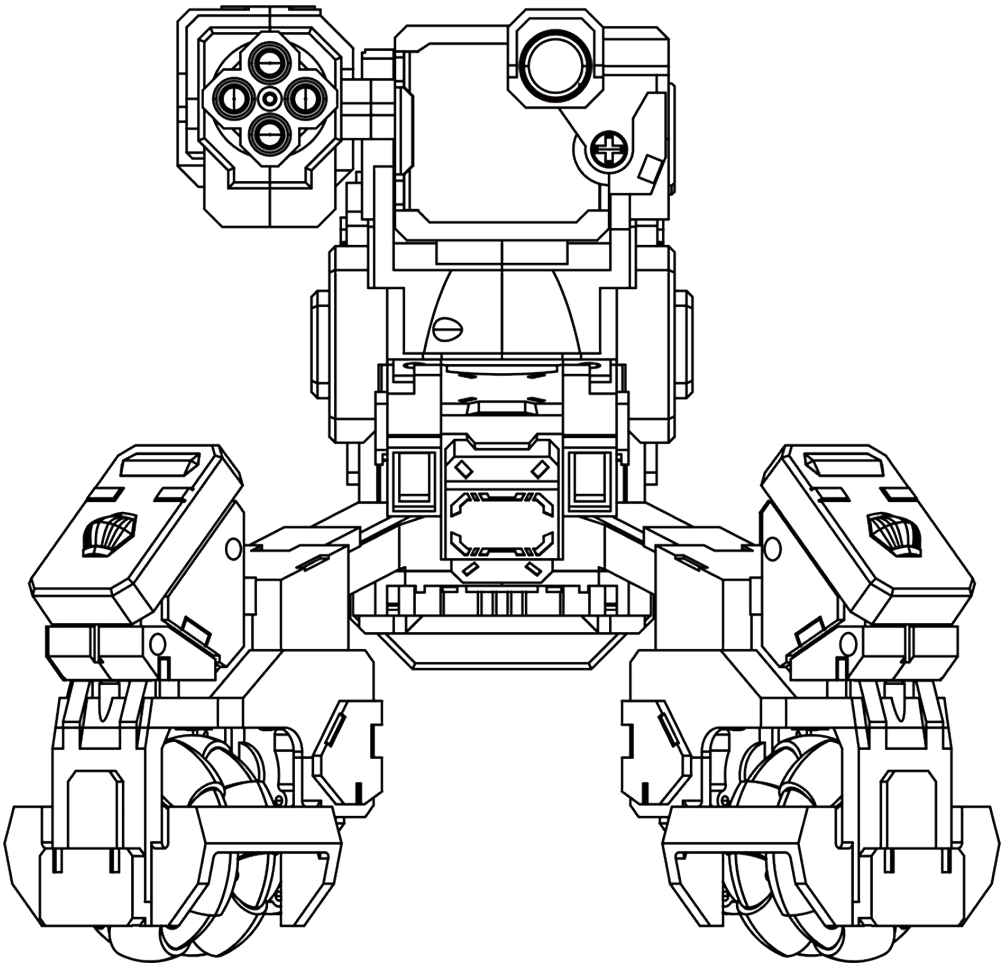
GJS ROBOT



GEIO

User Manual

V4.0

March 2019

Quick Search with keywords.

You can use the search function and search for keywords in the electronic PDF version. For example, in Adobe Reader, Windows users can use the keyboard shortcut Ctrl + F, while Mac users can use Command + F to search for keywords.

Printing the document.

This document can be printed out in high quality.

More GEIO Videos

Visit the following website for more videos:http://www.gjs.so/geio/intro

Download the GEIO app

GEIO can be controlled by two apps.

iOS users should search for GEIO or GEIO EDU in the App Store.
Android users should log in to Google Play or other major Android platforms and search for GEIO or GEIO EDU.

Or head to the following website to download the GEIO app
http://www.gjs.so/geio/intro? Here you can directly download GEIO or GEIO EDU.
The GEIO app supports Android v5.0 or higher and iOS 11.0 or higher.

GEIO

GEIO EDU

*If you are going to use GEIO' s programming function, kindly use the GEIO EDU.

Notes:

· GEIO's Wi-Fi uses 5GHz frequency. Seeing as some mobile devices do not support 5GHz frequencies, please make sure that your device supports it before using your GEIO.
· This user manual is intended for GEIO v.3.4and GEIO Educational v.2.0.

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Product Overview

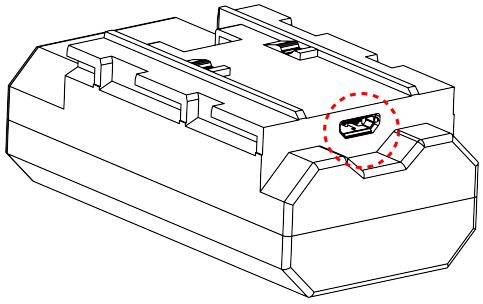
This chapter introduces the feature of GEIO

Introduction

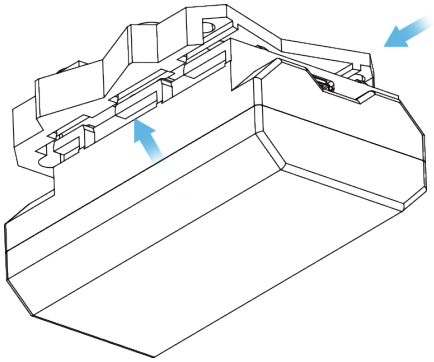
GEIO is engineered to present you the most indulging robotic battle experience, equipped with First Person Shooter (FPS) and Visual Recognition system. The power behind GEIO is attributed to the groundbreaking artificial intelligence technology.

Preparations Before Usage

·Charging and Install the Battery



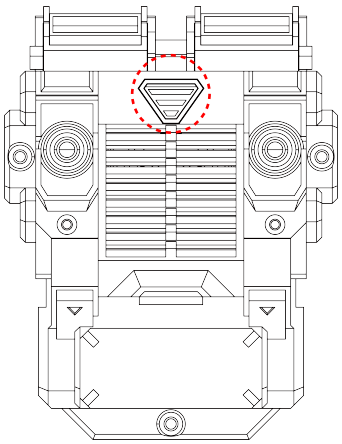
Charge the battery with the USB cable that we provided and a normal USB power adapter. A red light will flash while the battery is charging. When the battery is fully charged, the light will keep on.



Put the battery in the socket and push it backward still it locked

·Turn On Your GEIO

Turn on: long press the triangle button shown as picture until the power LED turns on.
Turn off: long press the button until the power LED turns off.



Upon Starting Your Bot

·When not connected to a mobile device

Cute Pet Mode: GEIO will move automatically, recognize and follow human face*, and show different expressions.

Turret Mode: GEIO will search enemy bots nearby automatically after it has been turned on but not connected. If the other GEIO enters its range of attack, the Turret GEIO will start to shoot the enemy bots. When there are multiple players, you can set one or several GEIO in Turret Mode which will increase the difficulty and fun a lot.

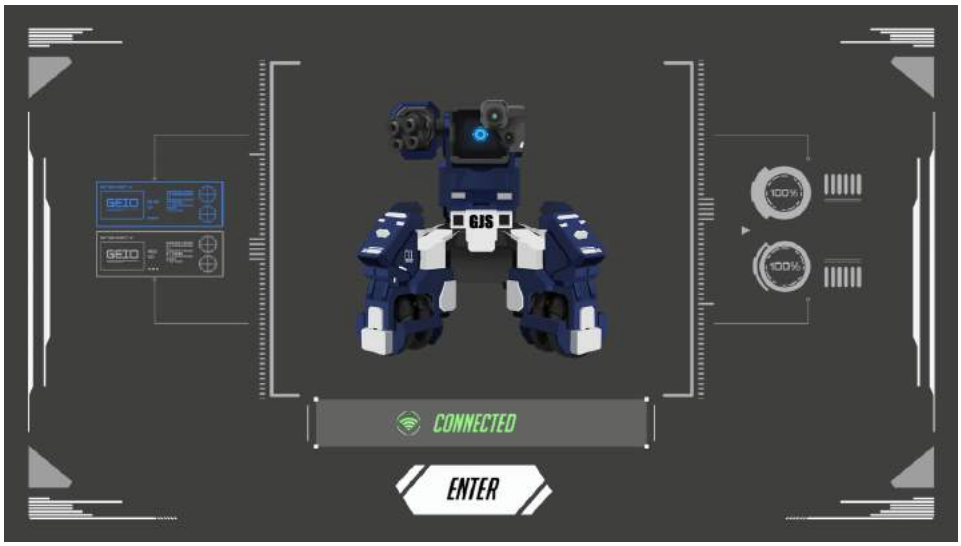
Go to General Settings - General - Launch Mode in the GEIO app to change the launch mode.

* For face recognition, you need to be facing your GEIO from around 20cm away.

·Connect to GEIO

With GEIO turned on, connect to the Geio_XXXXXX Wi-Fi with your mobile device.
The default password is: 12345678. Open the GEIO app after you have connected to the Wi-Fi.

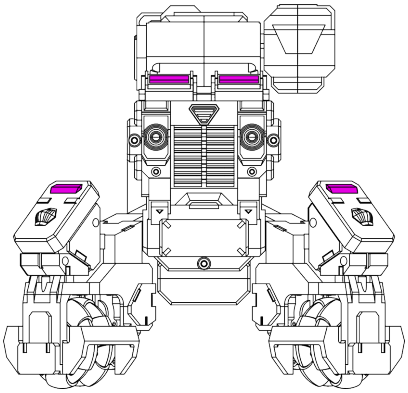
·Start the app



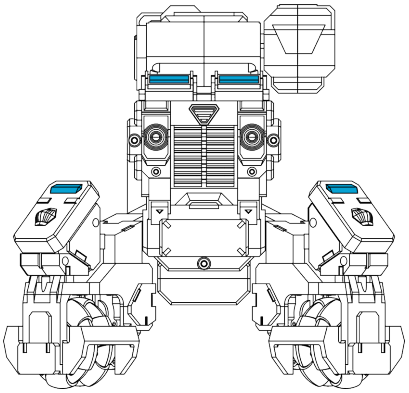
Start the GEIO app after connecting to your GEIO, then make sure your GEIO connected.

·Lighting Effects on the Machine

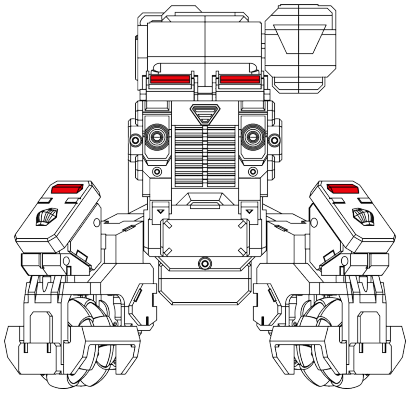
There are multiple LED lights on the GEIO machine which are used to display various statuses.



Purple
「Cute Pet Mode」or「Turret Mode」



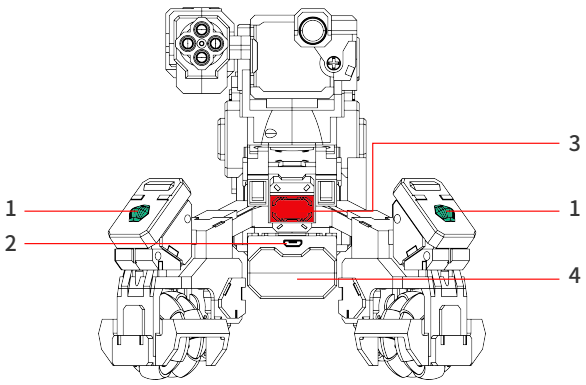
Blue
Choose Team Blue

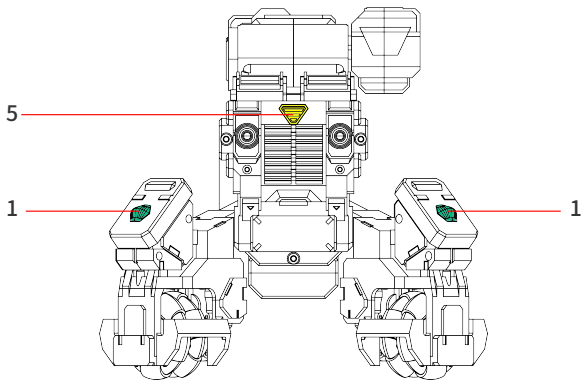


Red
Choose Team Red

*Low battery: The lights on the legs will flash slowly.
*When attacked: The lights on the legs will flash quickly two times.
*Almost dead (low health): All lamps will flash for as long as your health is low.

Machine Marks and Ways to Attack



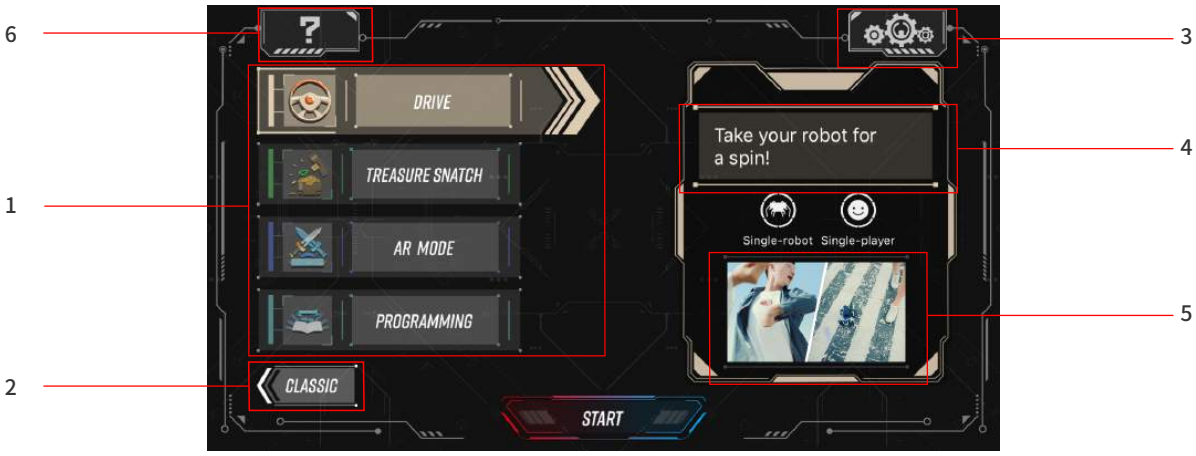


1. Electronic Scoring Receiverx4 2. Battery Recharge Socket 3 physical attack 4. Battery 5. On/Off Button

*When the electronic scoring system receives any infrared attacks or physical attacks, the damages will show on your phone. When the health point turn into zero, the GEIO will be dead.

Mode Selection

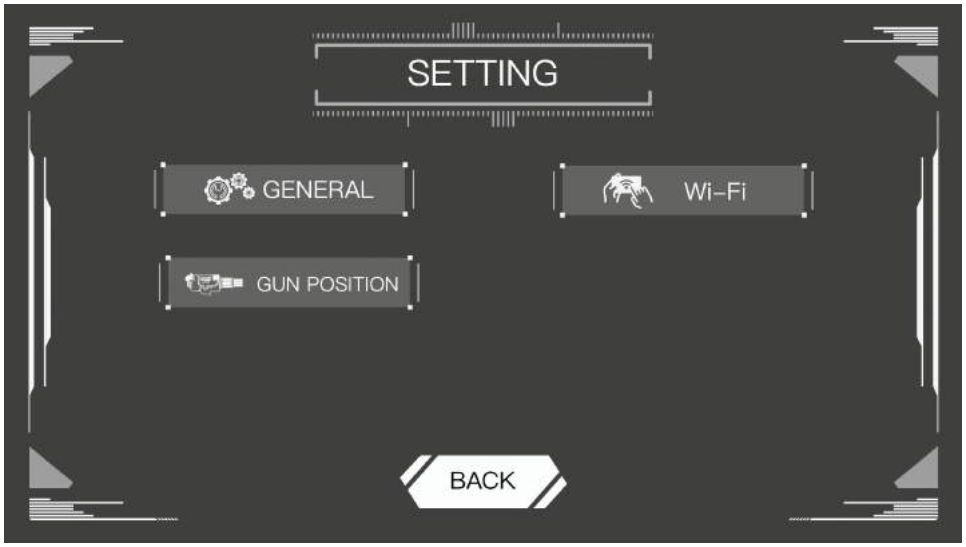
·Menu Introduction



1.Mode Selection 2.More modes 3.General Settings 4.Inroduction 5.Educational Videos 6.FAQS

General Settings

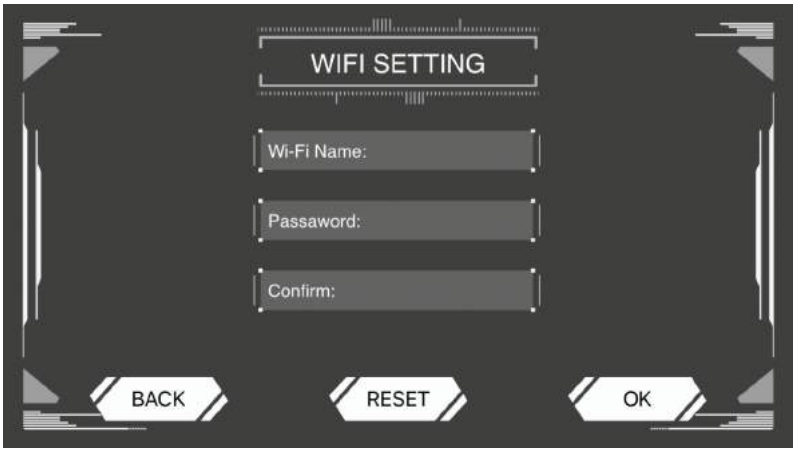
Click Setting button to set your GEIO



·General

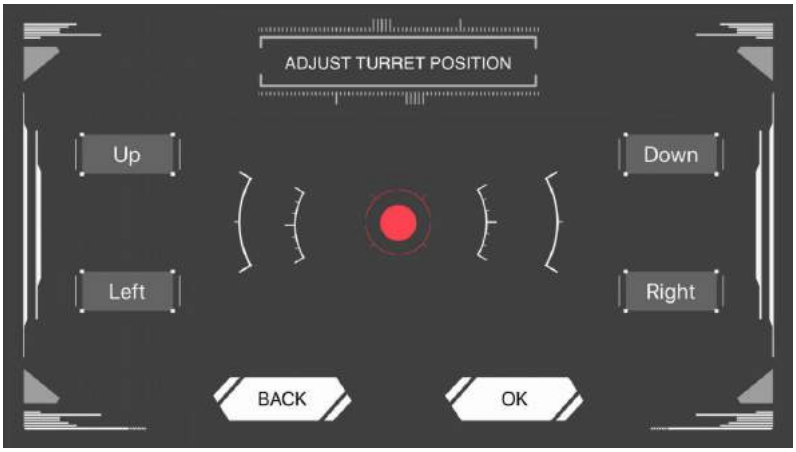
Launch Mode: Select either Cute Pet or Turret mode. This setting takes effect the next time you start your bot.
GEIO Sound: Adjust whether your GEIO will have sounds enabled while playing.
App Sound: Adjust whether the app will have sounds enabled while playing.
Choose Your Language

·WIFI



You can revise the Wi-Fi name and password here.

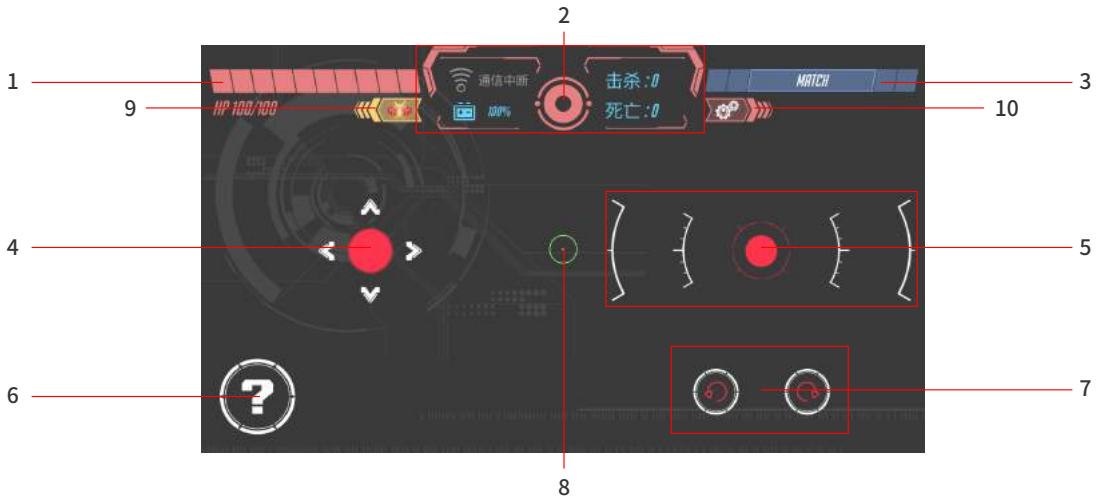
·Turret Position



You can choose the turret position as you prefer.
If the gun position changes while playing with your GEIO, you can adjust it here.

Control Interface introduction

·Control Interface



1、Health

2、FPV switch & Status Ba

Wi-Fi connection, remaining battery, toggling first-person view on and off.

3、Match search for nearby friends to battle with.

4、Movement Control Stick

5、Attack Control Stick

6、Special Button

has different effects depending on the mode

7、Rotate Buttons

8、Crosshair（In first-person view）

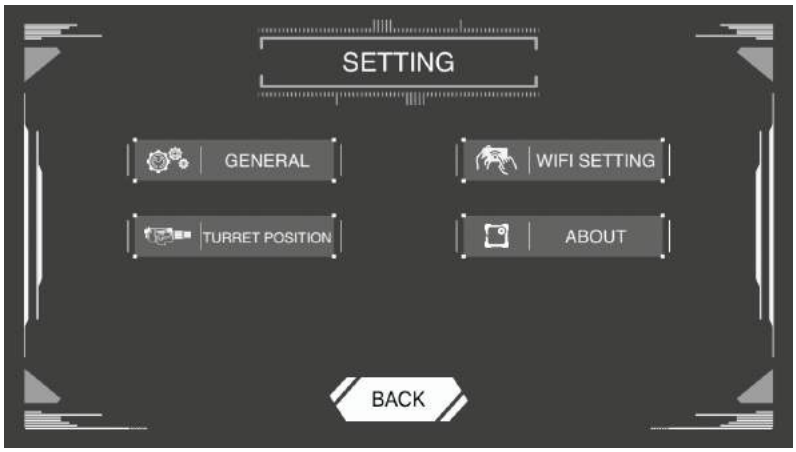
9、Exit

10、Settings

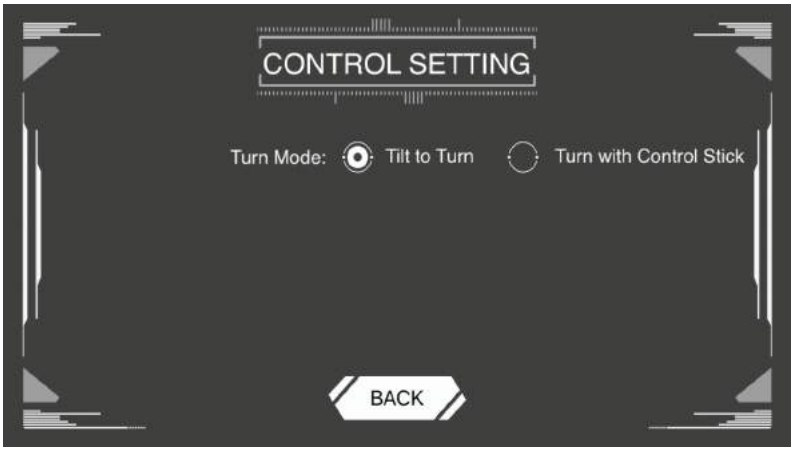
* Different game modes are slightly different

Mode Settings

Click setting to Adjust your GEIO's speed, motion control and other things for every mode.

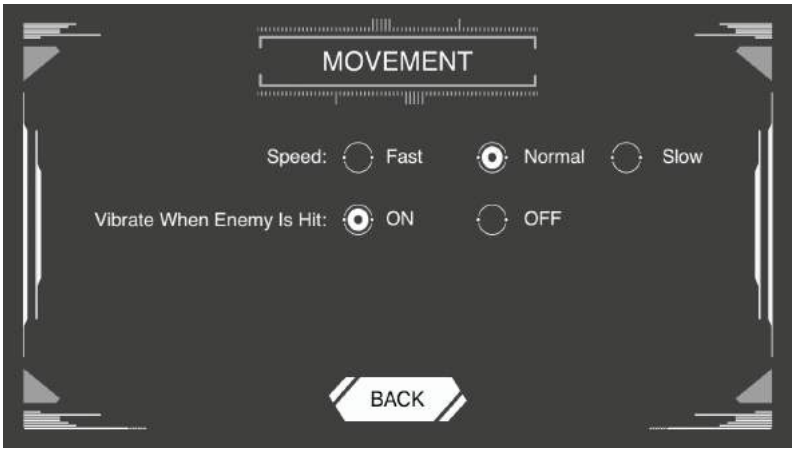


·Controls



The default Turning Mode is Rotate Device to Turn. It means you can rotate your phone to control the movement of your GEIO.
If you change the mode in to Control Knob to turn, you can control GEIO by click the movement button only.

·Movement



SPEED: The default speed is Normal, you can change into Fast or Slow.
Vibrate When Enemy Is Hit: Your phone will vibrate when GEIO hit an enemy during battle. You can turn off the vibration here.

Totem

·Description

Different Totems can be used to play different modes with your GEIO bot. There are 10 Totems in total and they fall into two major categories: Functional Totems and Special Weapon Totems. The package comes with all Totem Cards. After assembling them, the player can place them upon the ground as they wish. Here follows an introduction for how to use Totems.

·Recognize and Scan

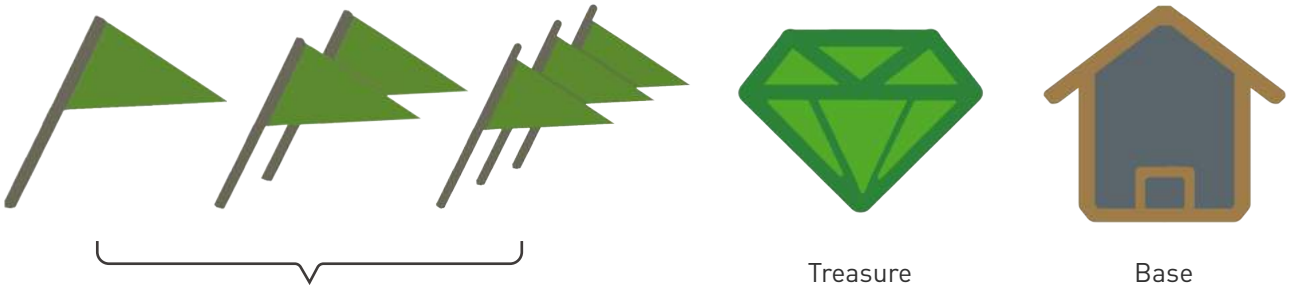
Click the eye on the status bar to enter into first-person view and move your GEIO in front of the Totem.Move the right control button target the Totem.When a green frame appears, you have successfully scanned it.

* GEIO can scan Totems between a distance of 35 - 40cm

· Type, Design and Effect

I. Functional Totems

There are 5 Functional Totem:



[Checkpoint]:Used in [Race].
[Trea sure]:Used in [Treasure Snatch].
[Base]:To be determined.

*For how to play, check the [Introduction to Gameplay] in this manual from P17 to P22.

II. Special Weapon Totems

There are 5 Special Weapon Totems:

Freeze Ammo

Freezes the opponent for 10 seconds
Duration: 5 seconds
CD: 35 seconds

Deceleration Ammo

Greatly decreases the enemy's speed for 10 seconds
Duration: 5 seconds
CD: 15 seconds

Chaos Ammo

Scrambles the enemy's controls (control directions become reversed)
Duration: 5 seconds
CD: 25 seconds

Fire Ammo

5 times the damage of normal attacks
Duration: 3 seconds
CD: 50 seconds

Energy Recovery Totem

Scan it to recover a certain amount of health

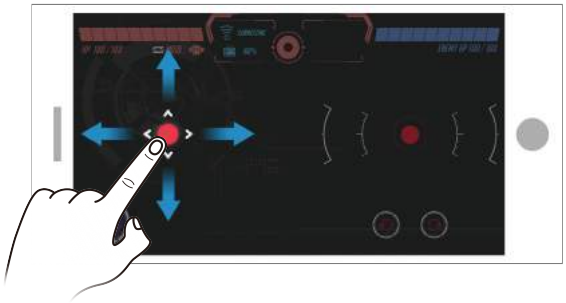
[Special Weapon Totems] are different from [Functional Totems] in that they can be freely used in any mode—where they enrich the experience.

Using GEIO

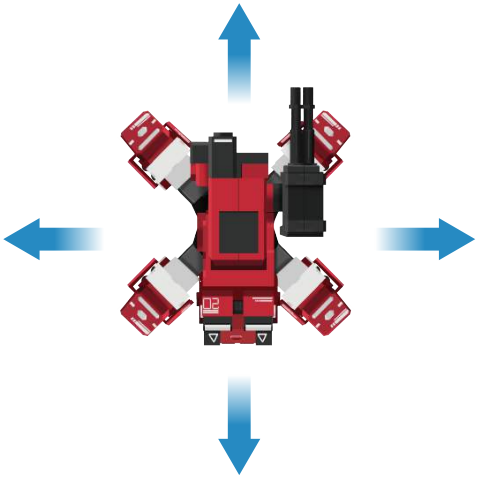
This chapter introduces the basic operations of GEIO, Play Mode and application scenarios.

Basic Operations

·Movement Control

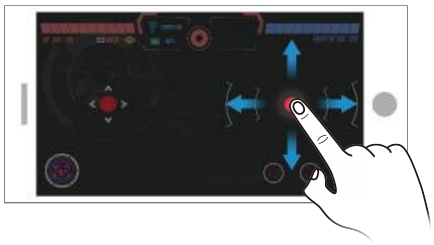


Left Control Button

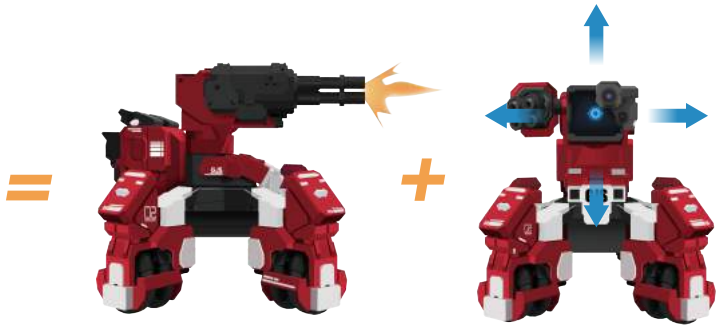


Click and drag the left control button to control GEIO's movement.

·Firing Control



Right Control Button

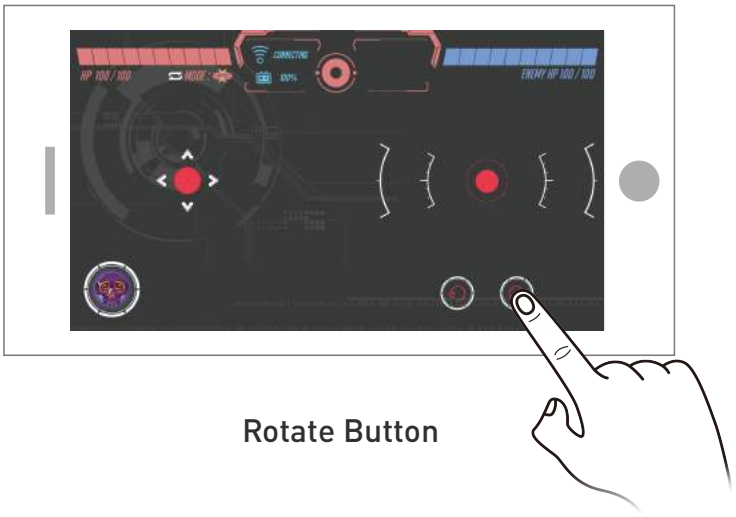


Controls GEIO's head and firing.

Firing: long press the button to fire. You can drag the control stick to turn GEIO's head while firing.

Scanning: click twice and hold on the right button, GEIO will move its head without shooting,it apply to scan Totems.

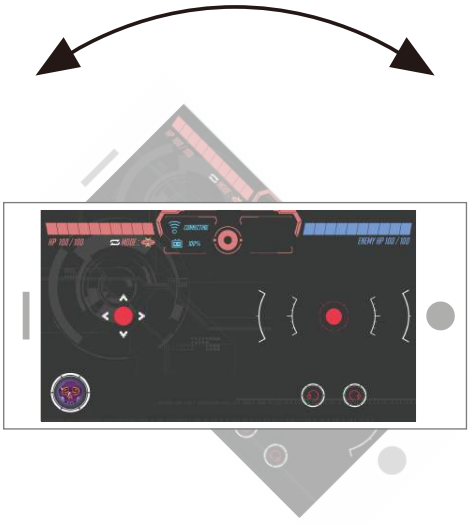
·Click button to turn



Rotate Button

Click rotate button to turn your GEIO clockwise or counter-clockwise.

·Rotate phone to turn



Control the direction of your GEIO by rotate your phone.

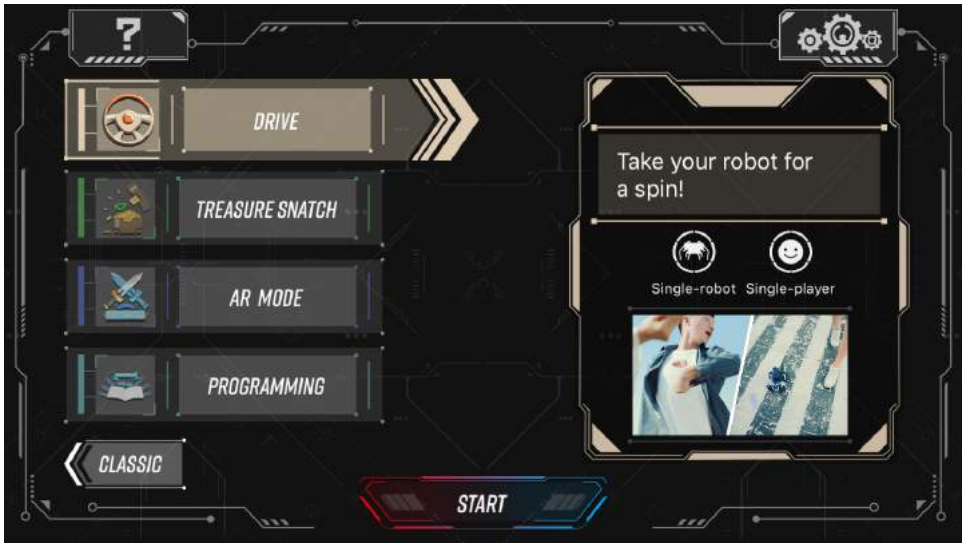
Introduction to Gameplay

·Description

You can watch gameplay videos from the following link:
http://www.gjs.so/geio/intro

·Race Mode

Note: This mode requires " Checkpoint" to play.
Select [Race] in the GEIO app to play solo speed races.



Players can hold speed race in their homes or on special racing tracks. The timer starts automatically when the players begins moving their bot, and the result will be recorded when they scan a checkpoint Totem.

The lightning button in the bottom left:
There is a function in this mode—Accelerate;
which speeds up your GEIO most
Skill Cooldown: 5 seconds

The result will be recorded in the system.

·Battle Mode

Select Battle in the GEIO app.
You can place a few different Special Weapon Totems on the battlefield before starting a Royal Duel.
And then use the Totems to obtain more powerful weapons.

Freeze Ammo

Deceleration Ammo

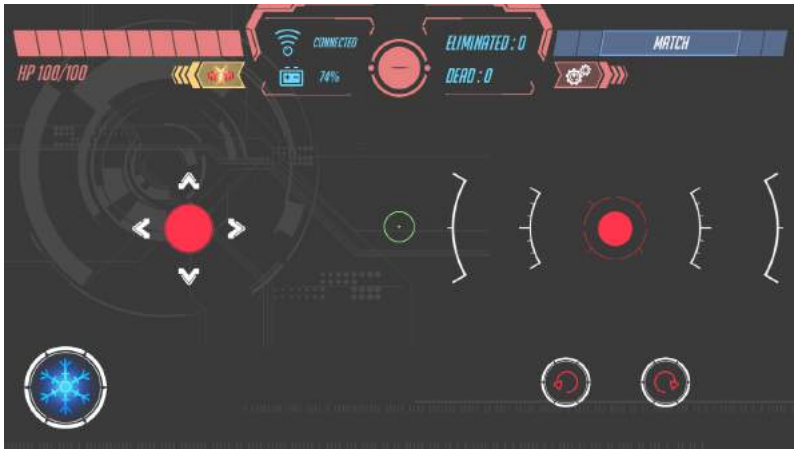
Chaos Ammo

Fire Ammo

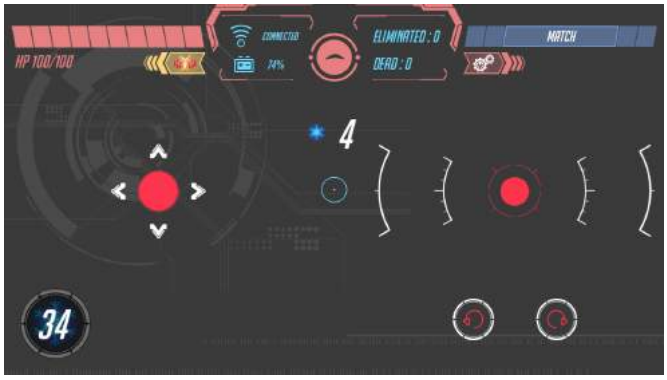
Energy Recovery Totem

*When you choose one team,app will autolly search another team,you can.

*Click Match to search nearby enemy robot to battle with



You can click the question mark to generate a random Special ammo
Normal: You will gain 1 random special ammo out of 4.
After gaining one, that special ammo will replace your normal attack for a certain duration.



After using special ammo, you have to wait for the cooldown to finish before you can select your next special ammo.
Every type of special ammo has a different cooldown time, which you may check in Product Overview — Totems

Click Revival to continue the battle

Get a kill streak of three to upgrade your weapon.
Upgraded: click to reveal 4 special ammos, player can choose anyone.
Upgraded status will last until death.(Upgraded conditions: Get a kill streak of 3 without dying)

·Knight Mode

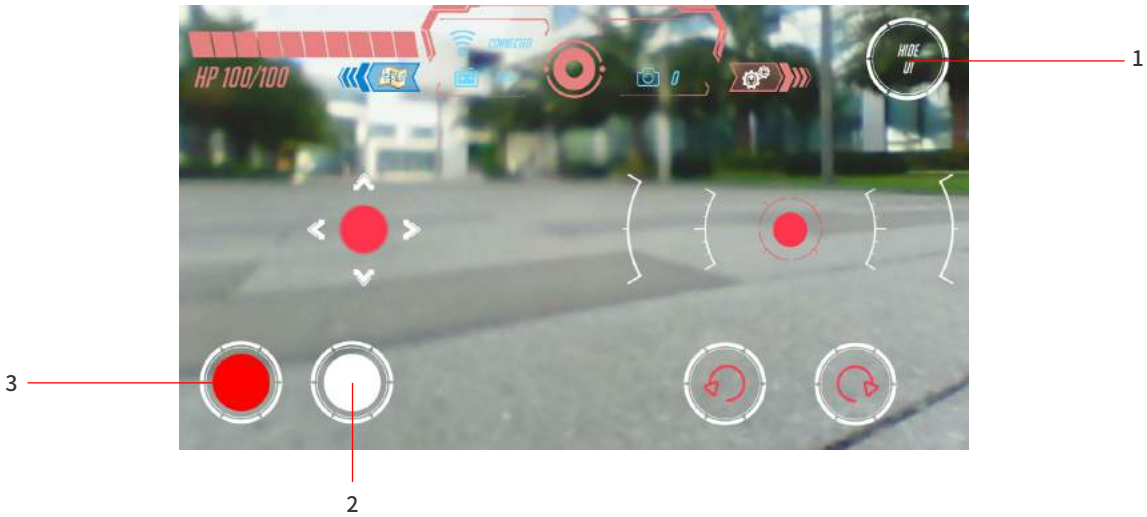
Select [Knight] in the GEIO app, then choose a team to enter a two-player contest.

*Click Match to search nearby enemy robot to battle with

In Knight mode, you can control GEIO to move forward and backward by click the button only and turn GEIO by motion control, its head cannot rotate. Defeat your enemy like a valiant knight.

*FPV cannot be used in knight mode

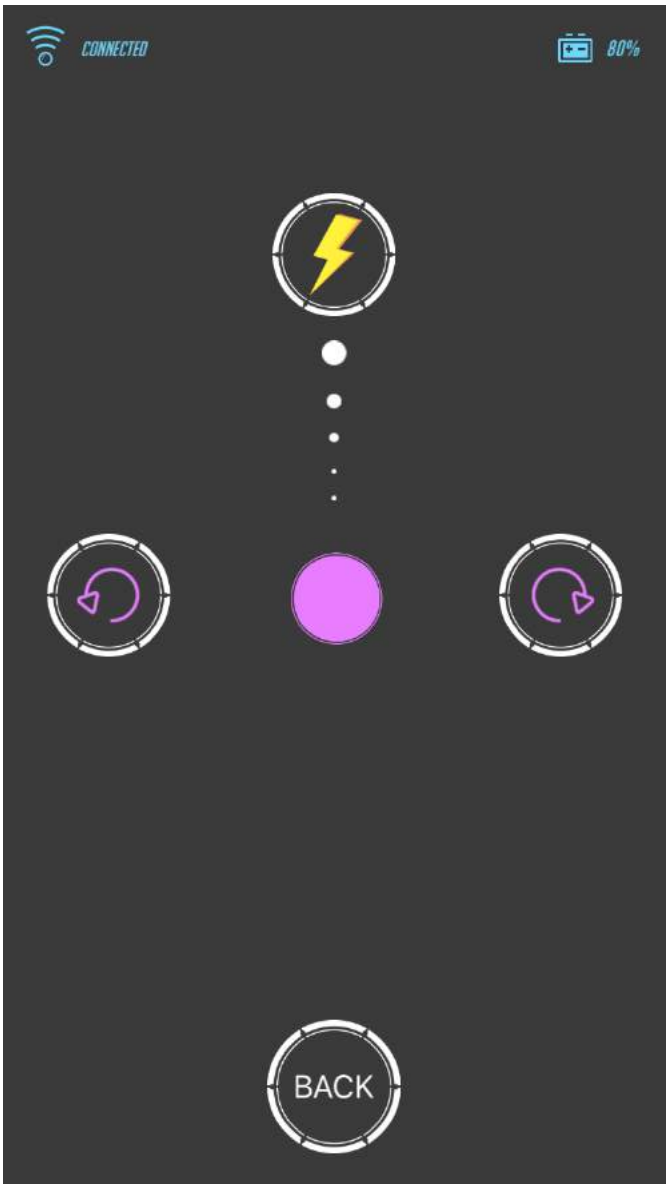
·Explore Mode



Select Explore in the GEIO app to play this relaxing mode.
1. Display/Hide HUD
2.Camera
3.Record

·Drive

Upon entering Drive, a demonstration will be shown, reminding you to use your phone's motion control to steer your GEIO.



GEIO will move forward at different speeds when push up the purple button, and you may control its direction with motion control.

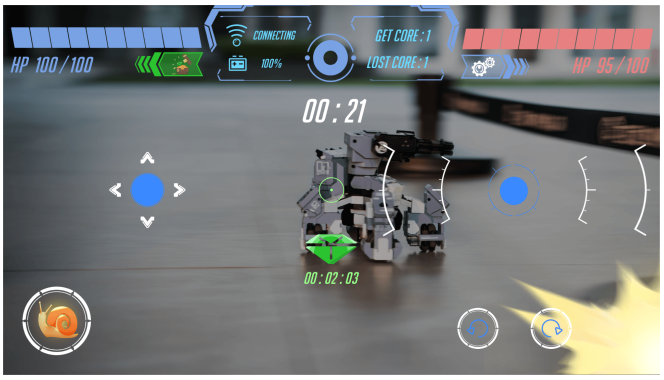
Hold down the lightning button and GEIO will move forward at top speed.

·Treasure Snatch Mode

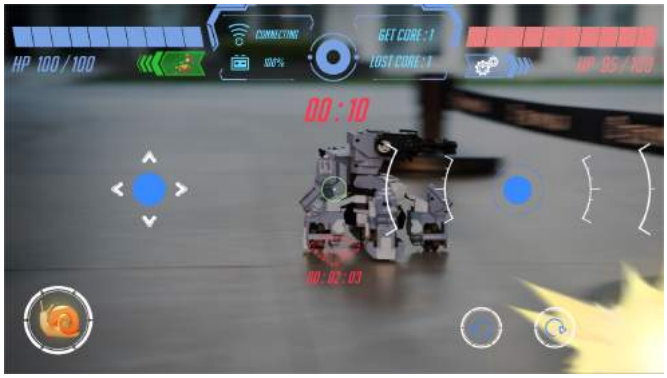
Note: This mode requires " Treasure" to play.

The goal of Treasure Snatch is to protect a treasure for as long as possible within 2.5 minutes.
When the game begins, you should attempt to be the first to scan the Totem and snatch the treasure.
If you have been hit more than five times or killed, you will drop the treasure.
You need to snatch the treasure from your enemy again.

Upon entering this mode, the remaining time and the treasure's status will be displayed on your screen.



When you snatched the treasure, an emerald will appear in the screen and the treasure status bar will turn green.

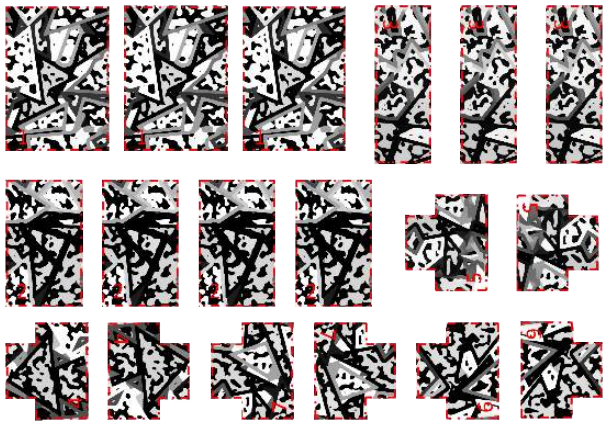


When the treasure has been snatched by an opponent, the treasure status bar at the bottom of your screen will turn red and the timer will freeze.

When the timer reaches 10 seconds, it will turn red and countdown sounds will be played.
When a game ends, the treasure possession length of both players will be displayed, as well as total possession in percent.
The winning player will see their result in green, and the losing one will see theirs in red.

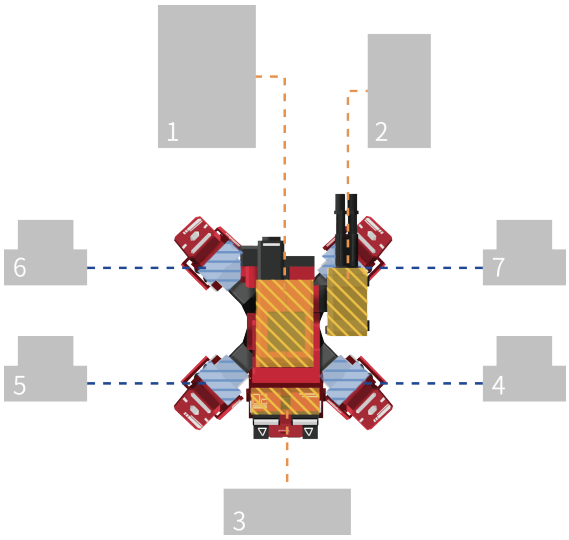
·AR Mode

In AR mode, you need to use stickers and the map.



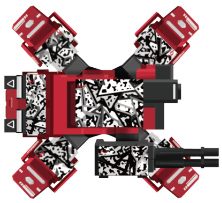
Stickers

Map



Stick the sticker on GEIO as shown

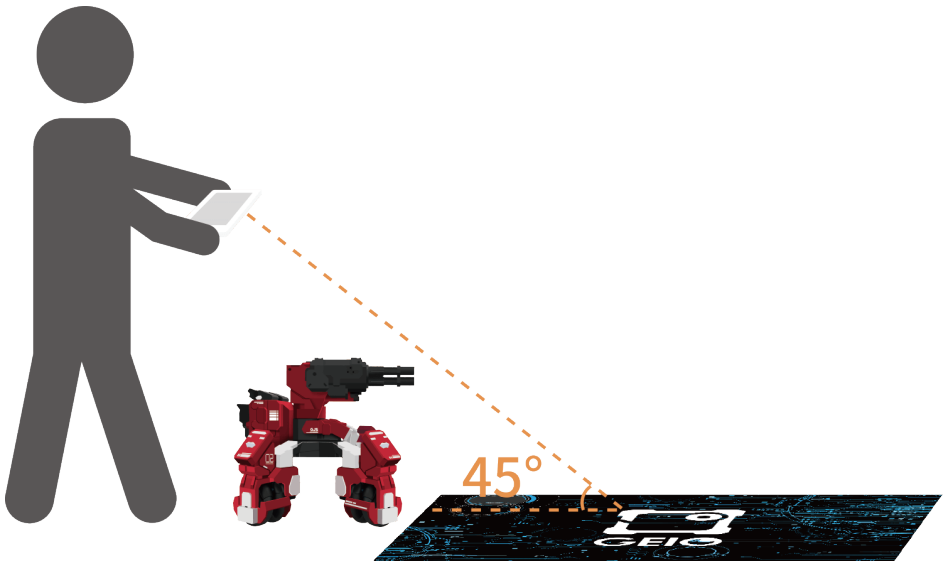
Place GEIO on left side of the map,
standing behind GEIO
(As showing picture)



·AR Mode

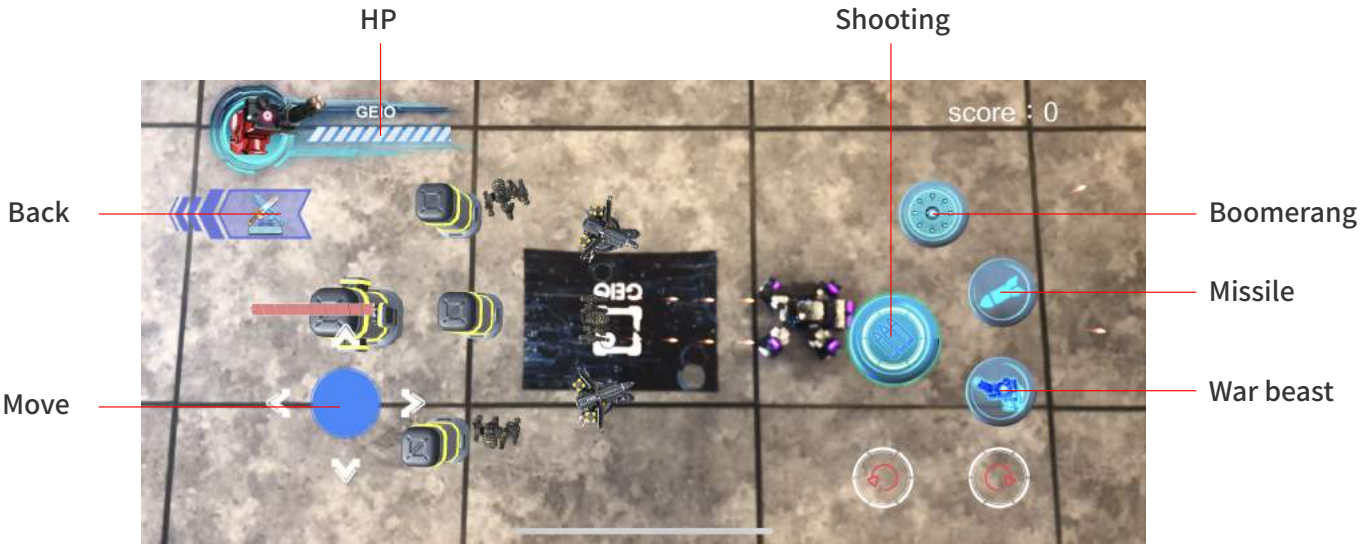
Open the APP. When you select the Levels page,
click the button in the lower left corner to establish a WiFi connection with GEIO.

Gaming Strategy
The game has a total of six levels, each level has specific tasks and clearance conditions, and the completion of the mission will be unlocked. If the game fails, the game ends and the game restarts. Level difficulty increases in turn. The goal of each level of the first five levels is to destroy the energy tower, and the energy tower will continuously summon the enemy to attack. The more energy towers, the faster the summoning of enemy robots.
The sixth level is an infinite level, and the enemy will continue to produce. Players avoid enemy attacks while destroying more enemies as much as possible to earn higher scores.



Select a level
Point the phone camera at GEIO. If the recognition is successful, the opening animation will be played immediately.

·AR Mode



The operation interface is as shown

At present, in the AR mode, GEIO has three skills: boomerang, missile, Configuration： Beast .

Boomerang is a range attack, roundabout after reaching the longest distance

The missile will cause a lot of damage to the unit, it will automatically track the nearest target, causing a lot of damage after hitting

Configuration： Beast is an indiscriminate attack. During the release process, GEIO is uncontrollable and will destroy all enemies in the field of vision.

Attention

Before the game begins, guarantee maps and stickers complete

Motion Sensors are not supported in AR mode

During the game, always keep the "complete" GEIO and "partial or complete" maps in the screen;

During the game, if you find that you can't shoot, you need to bring the phone camera closer to the machine and let the machine appear in the screen for a few seconds.

·Programming Mode

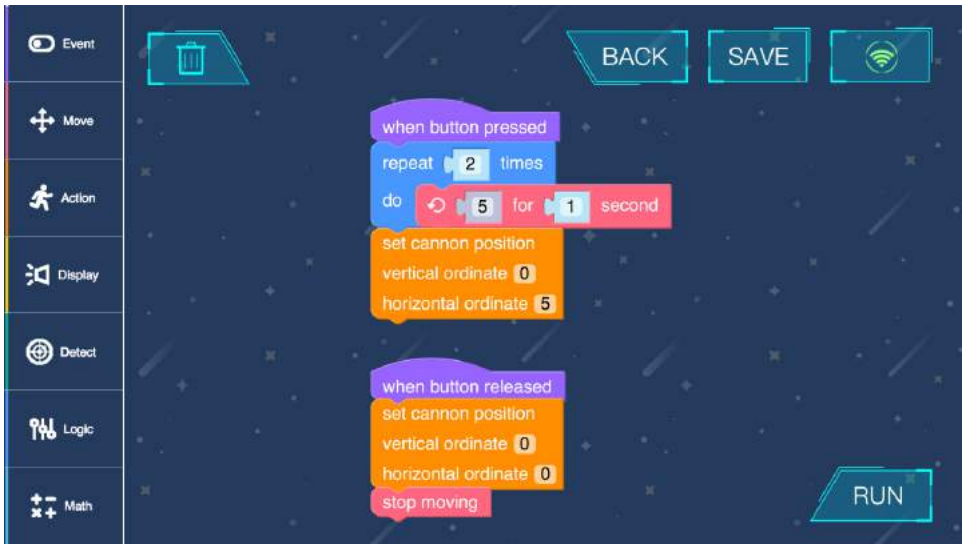
When entering programming, it will automatically jump to GEIO EDU.
If GEIO EDU is not yet downloaded, it will enter the download interface.

After entering the main interface, you will have two options:Course and Projects.

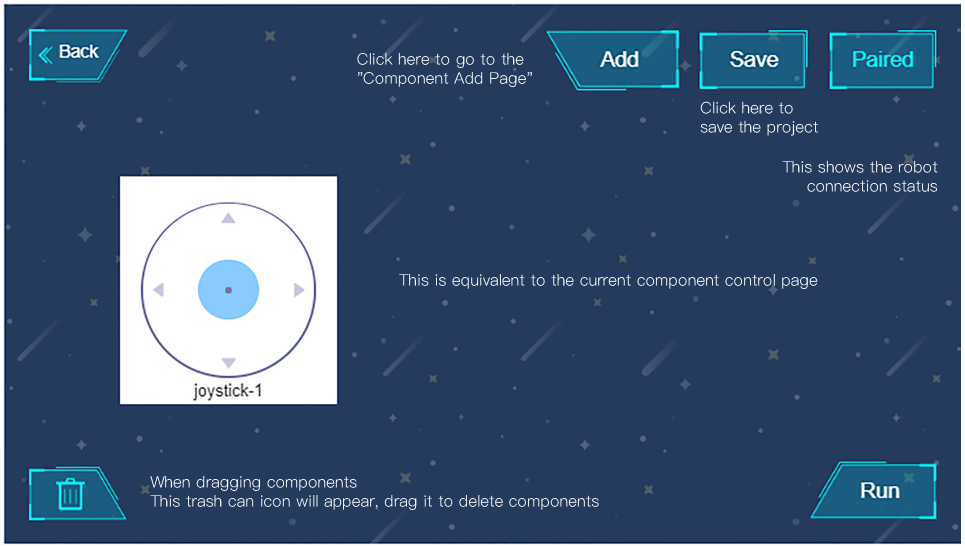
We recommend players using Programming Mode for the first time,to tap the Course button, and then select a course of their liking to learn more about GEIO programming.

Upon entering Projects, you can tap the yellow button to create a new programming project. Previously created programming projects will be displayed on the right side. You can change name or delete already completed projects by tapping the Edit button.

Upon creating a new project, you can choose between Basic and Widgets.



- Tapping the Basic button will take you to the programming interface. You can select a suitable sequence for programming sentences on the left side.
- When long pressing a programming block, choose Delete Black to delete.
- Tapping Save will save your project.Tapping RUN in the bottom-right corner will run the code,



- Tapping the Widgets button will take you to the Control Components page.
- Tapping on the Add button in the top-right corner will add the component of your choice.
- When dragging a component, the Recycle Bin icon will appear; drag a component onto it to delete.
- Upon tapping RUN, the buttons will be arranged and displayed on the screen.
- By tapping on Save in the top-right corner of the screen, you can return to the Save interface and save your work.

Battle Area:

GEIO gaming robot is suitable for use in small areas such as in a room or a house.
It is recommended to use furniture and walls as obstacles.

Of course, you can also place other objects in the battle area to make the battle more interesting. Whether for 1vs1 duels or in free-for-all battles between many opponents the rules are flexible as you set them yourselves.

Specifications

MACHINE

Weight: 730 g (Battery 105 g)
Weight (including battery): 835g

Size: 170 × 170 × 60 (mm)
Operating Temperature Range: 0 - 40°C

HARDWARE

Turret Angle: Pitch 0-90° Horizontal 0-160°
Material: ABS,PC,aluminium alloy
Internal Sensor: Infrared Sensors,Magnetic Sensor
Lights: 3-colored LED lights on legs, back and head.
LED: LED lights in two parts (legs, back)
Camera resolution: 300,000 pixels

BATTERY

Battery Capacity: 2000 mAh
Charge: USB Cable
Max Play Time: 40 mins

CONNECNTION

Method: Wi-Fi
Operating Frequency: 5 GHz
Max Transmission Distance: 70m

Notice

·Disclaimer

The following situations does not fall within the scope of product quality:

A.Using product accessories not provided by a mechanic which results in damage;

B.If damage is caused when the user themselves remodels the product;

C.If irreparable damage (including dropping it, water intake, heavy impacts, high voltage electric shocks, artificial burns, etc.) is caused to the product due to inappropriate usage by the user;

D.Damage caused by natural disasters;

E.Damage caused by illegal dismantling and/or maintenance by non-designated institutions and/or repair shops.

F.Quality requests initiated by anyone other than the original buyer.

·Safety Guide

GEIO bots have undergone rigorous quality certification and there are no safety risks when the bot is used as normal. We recommend that children under the age of 3 should not use our products. Please check the product manual for more detailed information.

Please avoid high-temperature and high-pressure environments during usage.

FAQ

Hardware

Q: What do I do if GEIO doesn't respond and no lights light up when I start it?

A:1. Please make sure that the battery is correctly installed into the slot;
2. Please make sure that the battery isn't too low; if it is, recharge it.

Q: What do I do if GEIO doesn't turn when I control it, or if it doesn't move in the correct direction?

A:1. Please lift up your GEIO and check whether all four wheels can rotate properly;
2. Turn off your GEIO, and try placing it upon an even surface before restarting it, then restart the app and connect to your GEIO again.

Q: What do I do if the turret won't shoot as commanded (or shoots continuously without stopping)?

A:1. Please try tapping the right control stick again and lift your finger; check whether GEIO stops shooting;
2. Try restarting your GEIO and the app, and connect to your GEIO again.

Q: What do I do if my device cannot find GEIO's Wi-Fi?

A:1. Please make sure that your device supports 5GHz Wi-Fi, if not, it cannot connect to your GEIO;
2. Try restarting your GEIO;
3. Try refreshing your device's Wi-Fi list.

Q: What do I do if my GEIO doesn't get hurt when taking fire, or if it is difficult to damage my GEIO?

A:1. Please make sure that the attacks are targeted at GEIO's legs;
2. Try restarting your GEIO and the app, and connect to your GEIO again.

FAQ

APP

Q: What do I do if I've already connected to GEIO's Wi-Fi, but the app displays it as not connected?

A:1. When "This Wi-Fi cannot connect to the network. Do you want to continue to connect?" pops up, select Yes;
2. When the app asks for permission to access Bluetooth, tap Allow.

Q: What do I do if I cannot find other players when using Bluetooth for matchmaking?

A:1. Please make sure that Bluetooth is turned on;
2. Please make sure that your device supports Bluetooth 4.0 or above, if not, you can't use it for matchmaking;
3. When the app asks for permission to access Bluetooth, tap Allow;
4. When matchmaking, both players must choose different teams.

Q: What do I do if I cannot resurrect my bot after it dies?

A:1. Please make sure that you have tapped the Resurrect button;
2. Restart the app;
3. Try restarting your GEIO and the app, and connect to your GEIO again.

Q: What do I do if the connection to my GEIO is interrupted; or if my device won't show the image (black screen), or if the image suffers serious lag issues?

A:1. Please make sure that there are no large obstacles between your device and your GEIO (for example walls);
2. Please make sure that your GEIO is not too far away from your device (stay within 20 meters for the best effect);
3. Please try moving your GEIO to a location without much radio interference.

Q: What do I do if I can't control my GEIO with the app?

A:1. Please make sure that your device is connected to GEIO's Wi-Fi, and that your connection status is displayed as Connected;
2. Try restarting your GEIO and the app, and connect to your GEIO again.

GJS ROBOT

CREATE FUTURE OF FUN

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