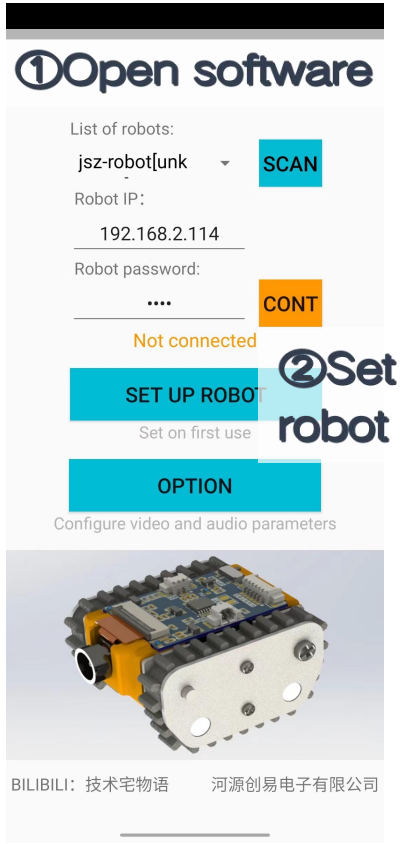
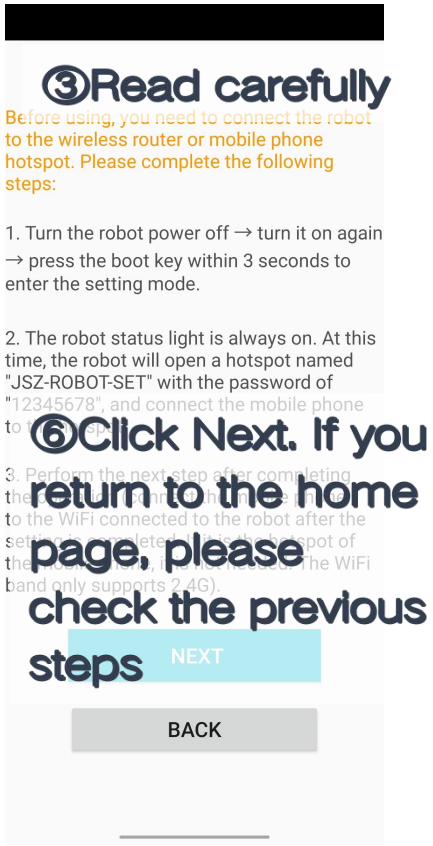
APP Usage method

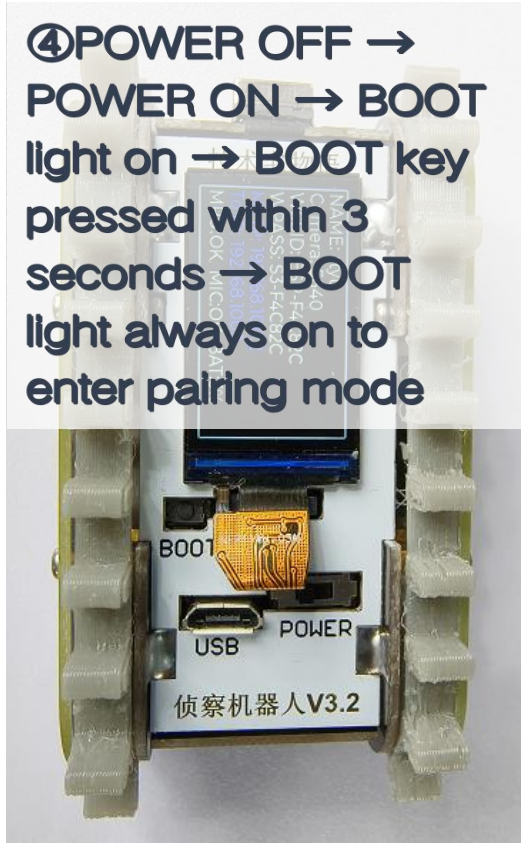
Step 1: Install APP

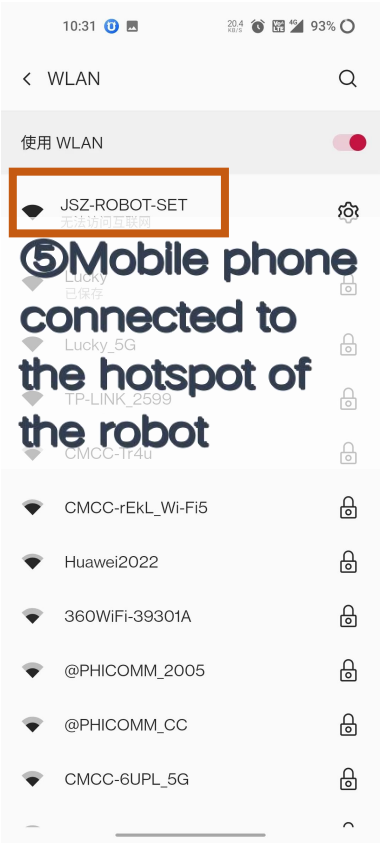
Install Android APP package “ReconnaissanceRobotV3.apk” (It may be another name), Transfer to the target mobile phone via data line or network,This software is safe.

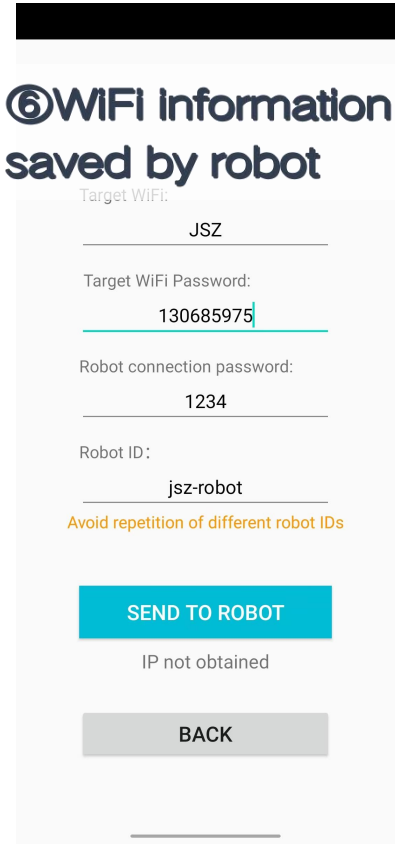
Step 2: Pair robots (only required when the network or robot changes)

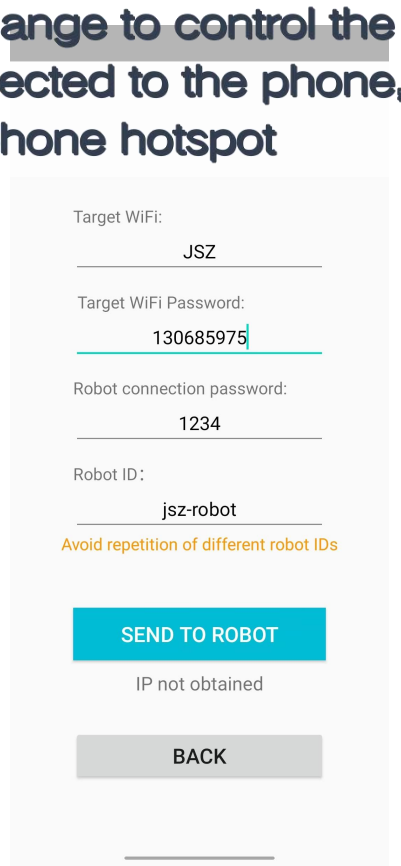


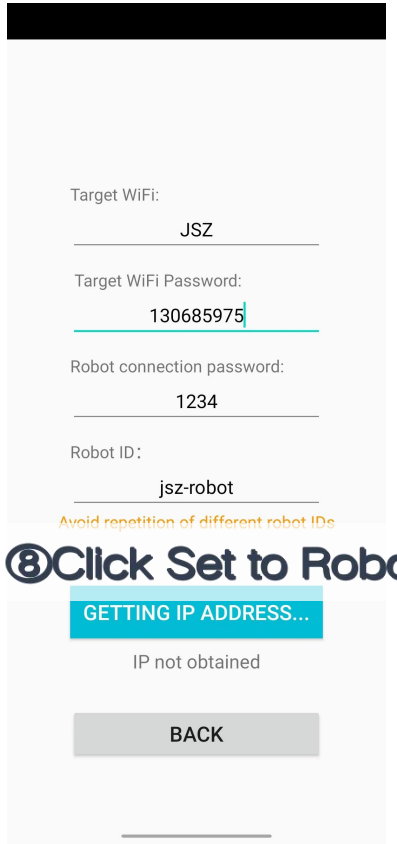


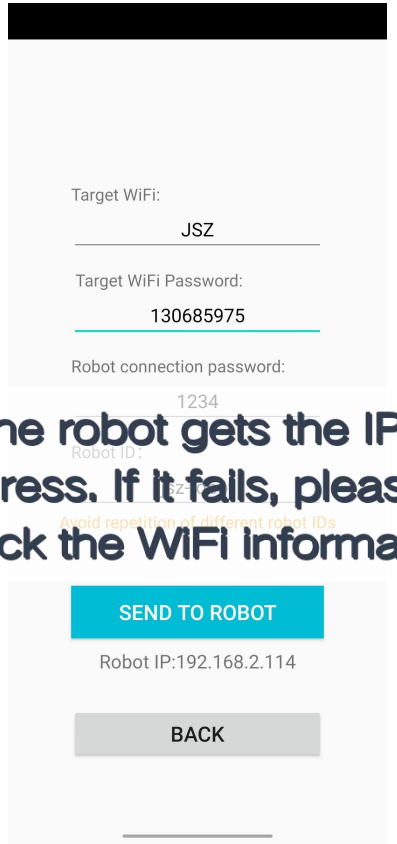






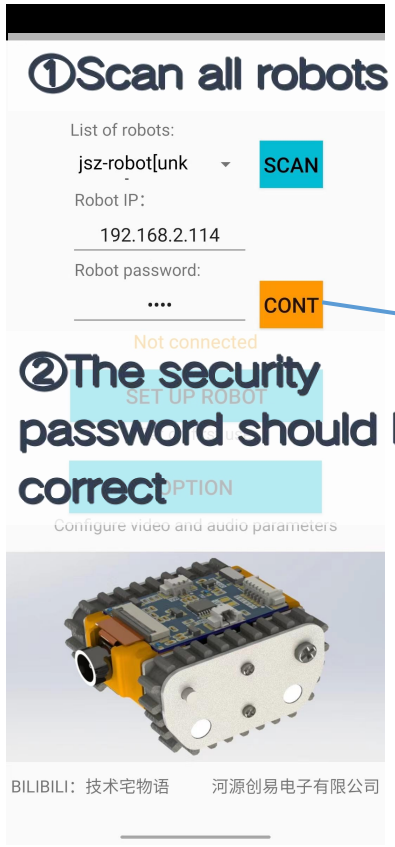


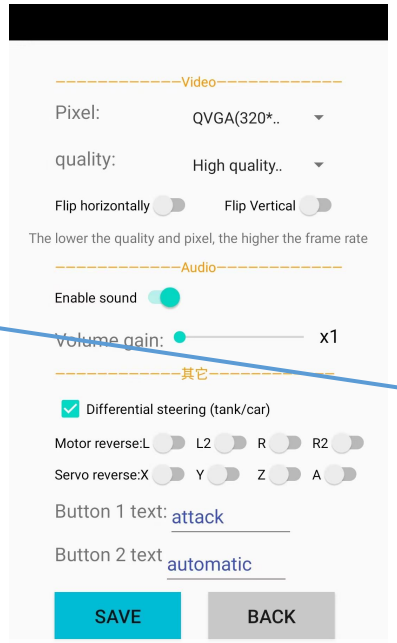




Step 3: Connect the robot

After pairing, the APP will return to the home page and bring back the information of the robot. At the same time, the robot will restart and connect to the set WiFi. When the robot connects to the network, the BOOT light will flash quickly. After the connection is successful, the BOOT light will flash slowly (1/2 speed). You need to wait for the WiFi connection to succeed before proceeding with the next operation.





③Communication parameters can be set before connection. Note that the lower the image pixel and quality, the smoother the picture

④Stepless

⑤Error compensation of left and right motors

⑧Camera angle

⑨servo motor

⑥Direction control

⑦photograph

⑩reserve

This app is compatible with multiple robots at the same time, so not all functions must be available. For details, see the introduction of robots.

Remote control
Usage method

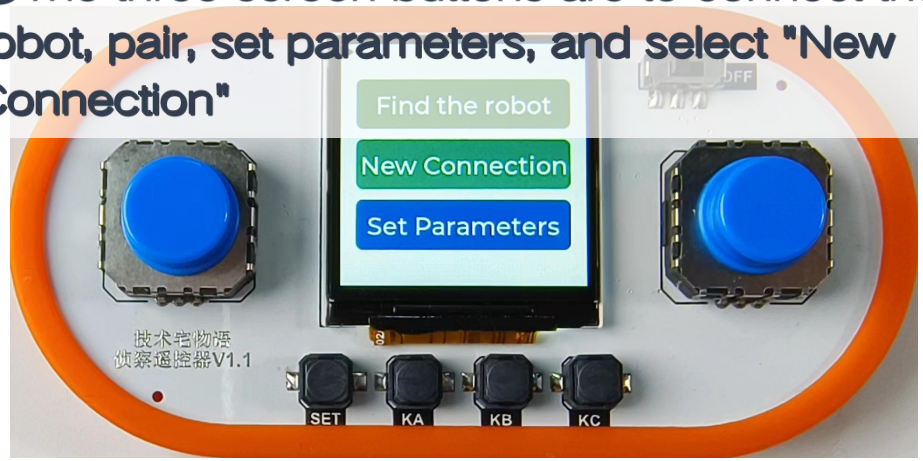
Step 1: Pair robots (only required when the network or robot changes)

①Turn on the power

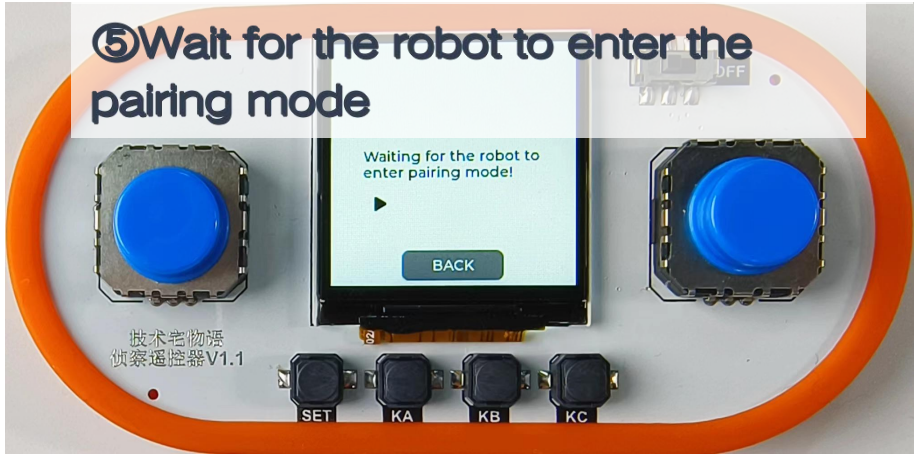
②Move the cursor with the left joystick

③Click the cursor with the "SET key" (left mouse button)

④The three screen buttons are to connect the robot, pair, set parameters, and select "New Connection"

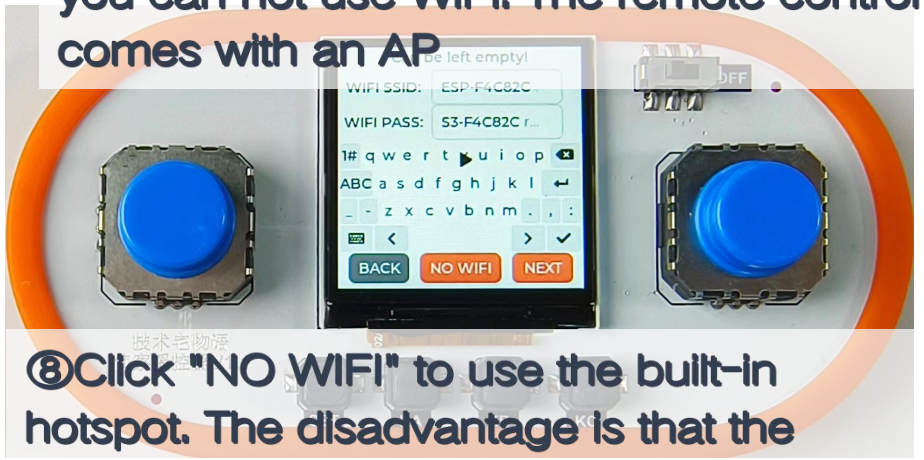


⑤Wait for the robot to enter the pairing mode

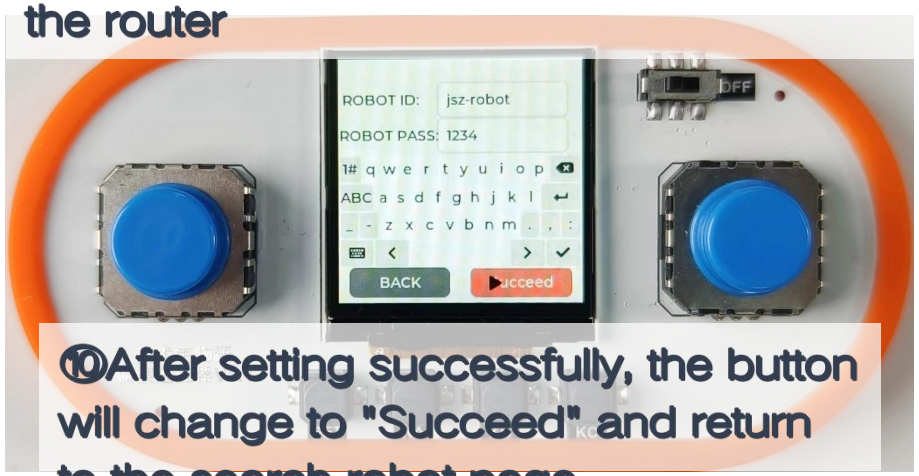


⑥POWER OFF → POWER ON → BOOT light on → BOOT key pressed within 3 seconds → BOOT light always on to enter pairing mode

⑦Enter your home WiFi information, or you can not use WiFi. The remote control comes with an AP

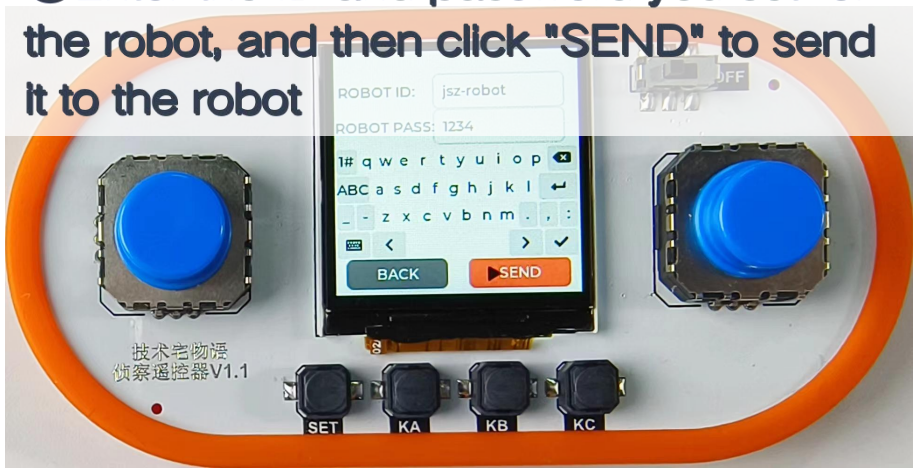


⑧Click "NO WIFI" to use the built-in hotspot. The disadvantage is that the power is small and the remote control distance is short. "NEXT" is connected to the router

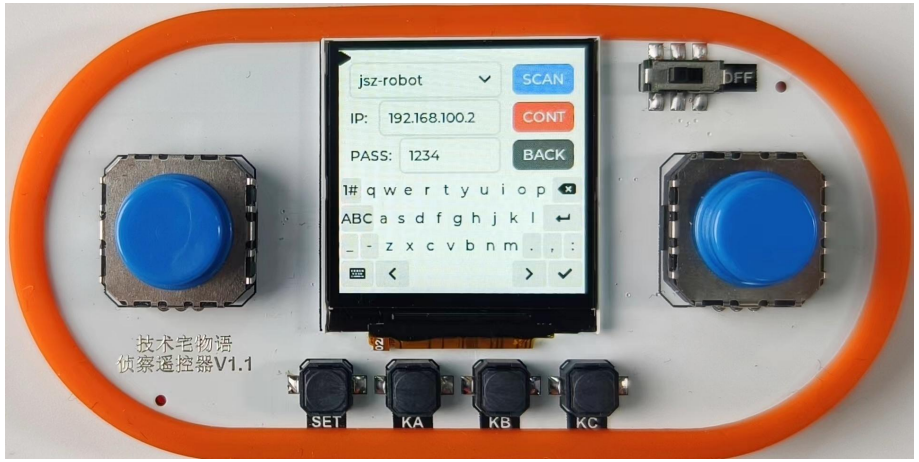


⑩After setting successfully, the button will change to "Succeed" and return to the search robot page

⑨Enter the ID and password you set for the robot, and then click "SEND" to send it to the robot



Step 2: Connect the robot



①Click "Find the robot" on the home page to enter the link robot page.

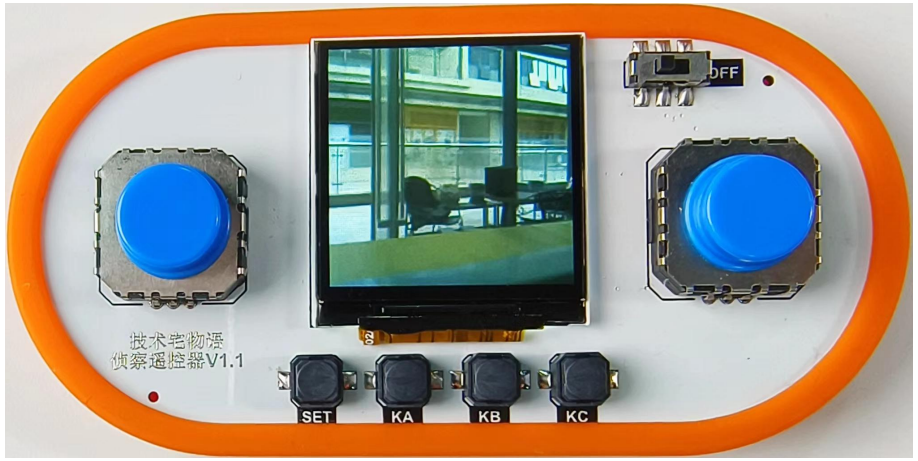
②If "SCAN" and "CONT" are covered with a layer of gray, it means they are unavailable (if the robot does not connect to the hotspot through the router, it is not successful)。

③"SCAN" can search all robots in the same network segment, and "CONT" is connected to the robots selected in the drop-down list.

④After connecting to the robot, the left rocker controls the direction, KA controls the light, KB camera focuses, and KC takes pictures (SD card).

⑤SET+KA exits. SET+KB/KC is reserved for IO port output control. Press to output high level.

⑥The right rocker controls the pan-tilt, translation (McNamm wheel), etc., but not all robots have these functions.



Robot parameters

Robot parameters

APP System	Android	**Duration**	0.5-1H
CPU	ESP32-S3	**Speed**	Adjustable, 10CM/S
Camera	OV2640/OV5640（AF）	**Camera angle**	Not adjustable
Image resolution	Can be set, minimum 240 * 176, maximum 1600 * 1200, recommended not to exceed 1024 * 768	**Remote control distance of robot**	WiFi coverage
Image quality	Variable	**Support remote**	No
Image frame rate	1-10 frames	**Lighting**	Adjustable
Audio	APP has	**Robot size**	80MM*45MM*32MM
Charge	Rechargeable, power-off charging	**Small screen**	Optional
Charging duration	1H		