Quick experience of embodied intelligent functions

Important Prerequisites

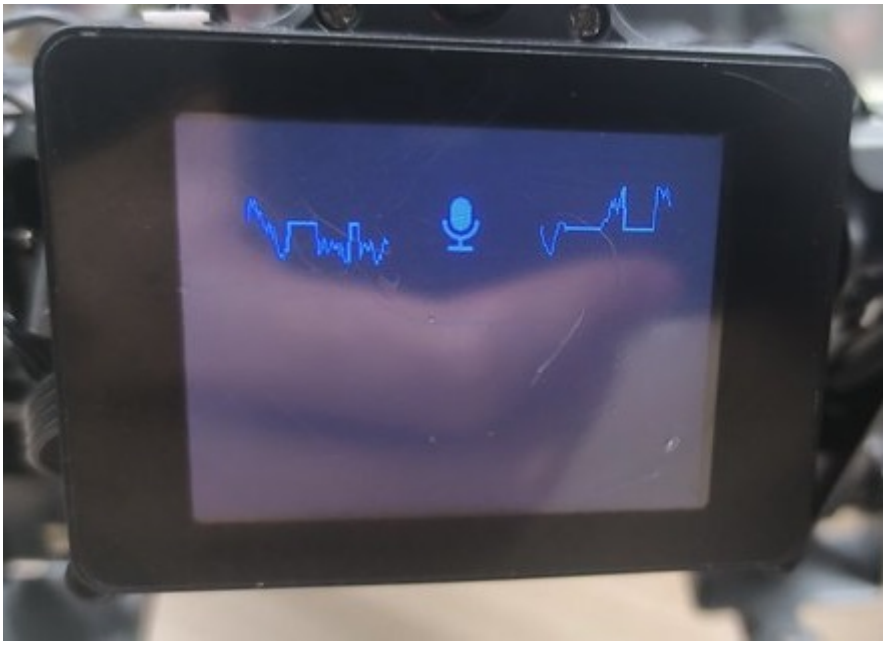
1. The robot dog needs to be connected to a WiFi network. You can refer to the tutorial **[1. Basic operations of Raspberry Pi system] --> [6. Connect to WiFi]** for detailed operation steps.
2. The robot dog must be configured with the API_KEY related to the large model. You can go to **[7. AI large model interaction] --> [1. Prerequisites for using large models]** for detailed steps.

Quick Experience

After completing the important prerequisite operation steps, you can quickly get started with the embodied intelligence gameplay. The following are the specific operation steps and example gameplay

1. Select this example of RobotGPT using the button on the screen above dogzilia's head, and press the button in the lower right corner to confirm entry.

2. The following interface appears, which can be awakened by "lulu"



3. When you hear a "DING" sound, it means it has been awakened and you can carry out complex voice intercom.
4. The following are some specific examples. For example: Example 1: Go forward for 2 seconds, do a push-up, then dance, and finally lie down. Example 2: Go forward for 2 seconds, go back for 2 seconds, stretch, sit down, and then introduce yourself. Example 3: Turn left for 2 seconds, go forward for 3 seconds, show the robot arm, then do some gymnastics, and finally shout twice.

In addition to the simple basic movements of moving forward, backward, left, and right, the built-in action group of this case is as shown below:

ID	Actions	Duration/s	ID	Actions	Duration/s	ID	Actions	Duration/s
1	Lie down	3	2	Stand up	3	3	Crawl	5
4	Turn in a circle	5	5	Mini is stepping	4	6	Squat	4
7	Roll	4	8	Turn Pitch	4	9	Yaw	4
10	Three-axis rotation	7	11	Pee	7	12	Sit	5
13	Wave	7	14	Stretch	10	15	Wave	6
16	Sway	6	17	Beg	6	18	Find food	6
19	Shake hands	10	20	Chicken head	9	21	Push-ups	8
22	Look around	8	23	Dance	6	24	Playful	7
128	Grab up	10	129	Catch	10	130	Grab	10

The spoken semantics can be modified based on the examples, or you can combine existing action groups to come up with more command semantics.

5. After voice recognition, the dog will then perform corresponding actions based on the semantics of what was said previously.
6. After executing the command, you can repeat steps 2-6 to continue the experience. Press the button in the lower left corner of the dogzilia head screen to exit this example.
7. The flowchart of this function is roughly as shown below:

Embodied Intelligence