



DOGZILLA S1

说明书/Manual



①使用前请仔细阅读本说明书

①Please read this manual carefully before use

②本公司保留说明书解释权

②Our company reserves the right of interpretation for this manual

③产品外观请以实物为准

③Product appearance, please prevail in kind

④阅后请妥善保管

④Please keep the manual properly after reading



Android/iOS 手机用户请扫描二维码下载遥控软件。
iOS 用户也可在 App store 苹果应用商城搜索并下载
【YahboomRobot】





Android users search "YahboomRobot" in
Play Store to download APP.
iOS users search "YahboomRobot" in App
Store to download APP.

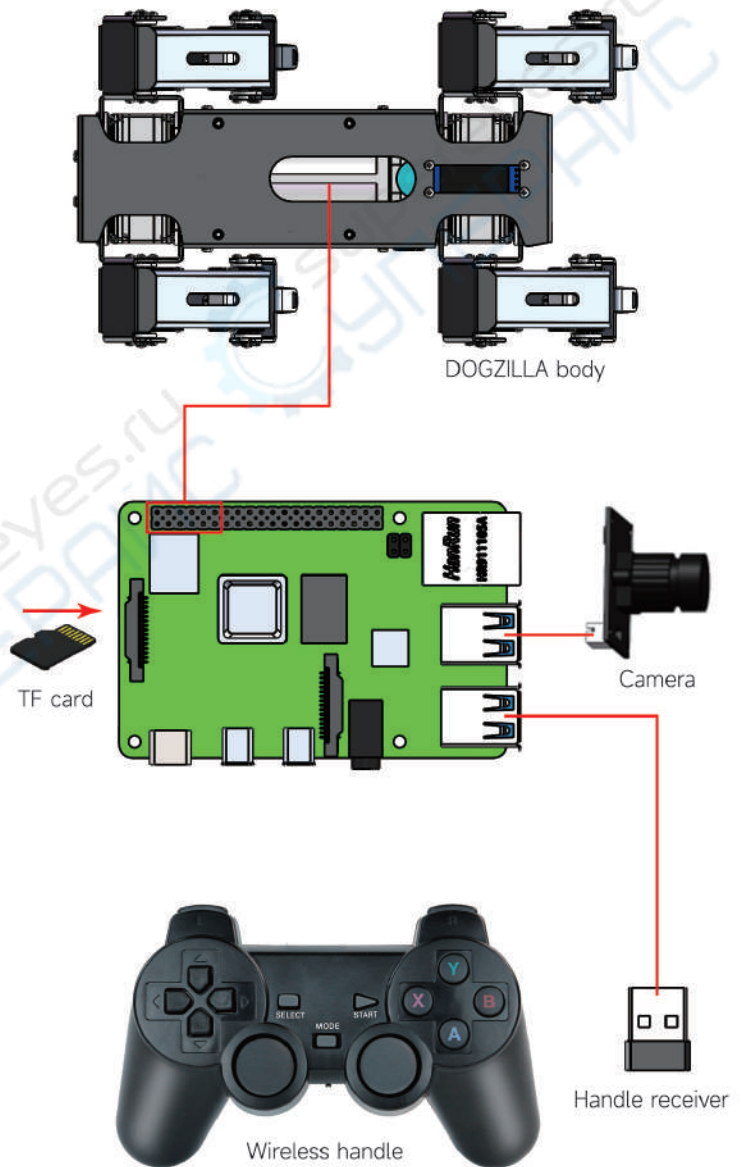
Packing list

<p>DOGZILLA body</p> 	 <p>DOGZILLA camera part</p>	
	 <p>L-type camera cable</p>	
	<p>Manual</p>	 <p>Screwdriver</p>
	<p>Gamepad + AA battery</p>	 <p>Charger</p>
	<p>Handle/ phone holder</p>	 <p>Accessories package</p>

Raspberry Pi accessories (optional)

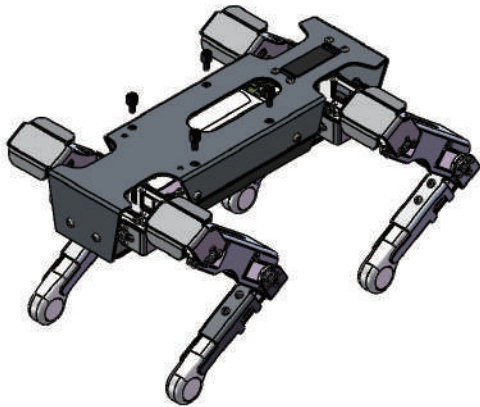
 <p>Raspberry Pi 4B (Optional)</p>		 <p>TF card</p>	
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Raspberry Pi board wiring diagram

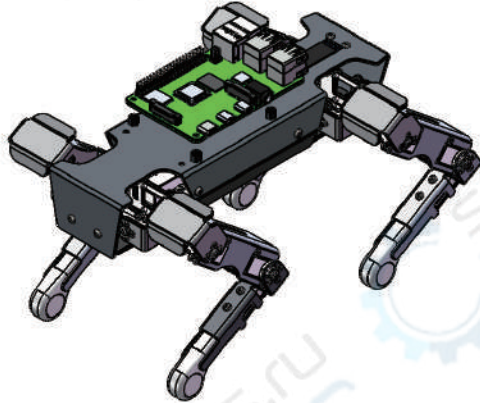


Assembly steps

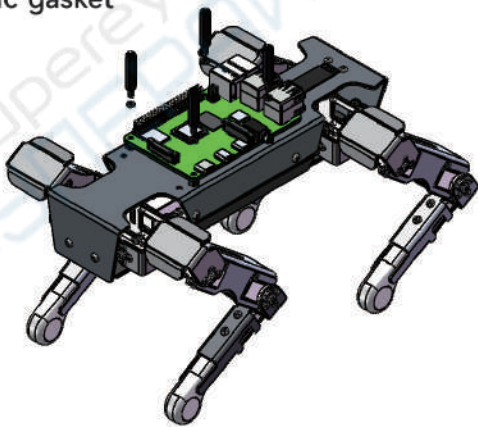
1. Install M2.5*5+6mm single pass copper column



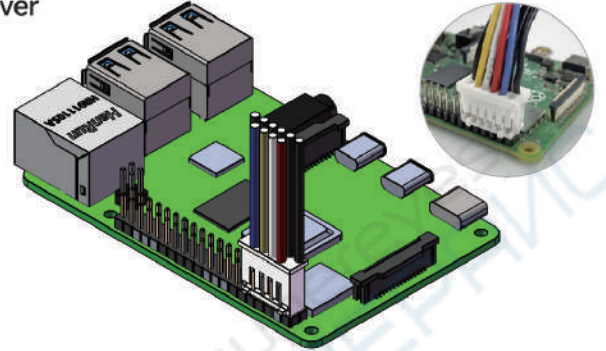
2. Install RaspberryPi board



3. Install M2.5*22+6mm single pass copper column and elastic gasket

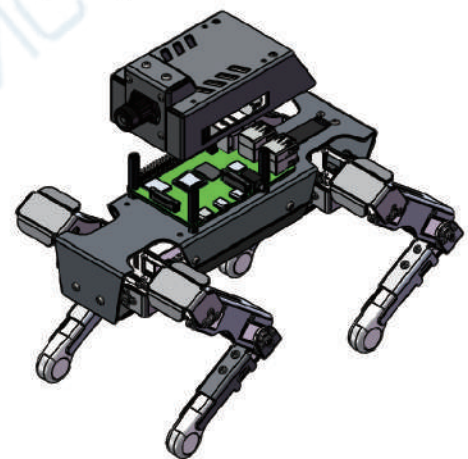


4. Complete the wiring before installing the Raspberry Pi cover

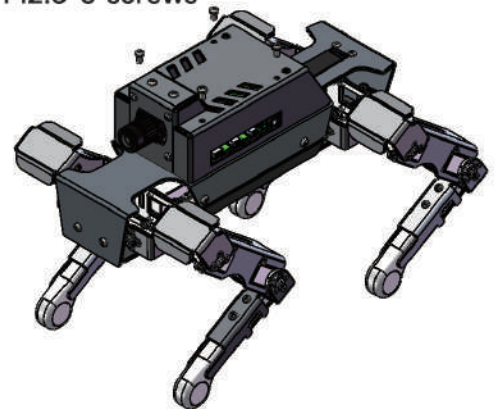


* The kit includes a 6+4 cable for connecting the Raspberry Pi and the DOGZILLA body for data communication and power supply. As shown in the picture above, plug the cable into the pins of the Raspberry Pi.

5. Install Raspberry Pi metal case



6. Install M2.5*5 screws



Download and install APP

- Android users scan search "YahboomRobot" in PlayStore or scan following QR code by browser to download APP.
- iOS users search "YahboomRobot" in App Store or scan following QR code by camera to download APP.



Start DOGZILLA

The TF card provided in the kit has been written into the system file, we only needs to insert the TF card into the Raspberry Pi, assemble the DOGZILLA according to the steps, and then it can be turned on normally. Press the switch button on the side of DOGZILLA, the green indicator light of the switch is keep on, DOGZILLA will stand up, wait for about 2 minutes, until DOGZILLA completes stretch action, it means that the system starts normally, and we can see the information will be displayed by the OLED at this time.

User name: **pi** Password: **yahboom**

VNC login password: **yahboom**

Jupyterlab login password: **yahboom**

Connect DOGZILLA

DOGZILLA comes with a hotspot signal **【DOGZILLA_WIFI】**, you can use your mobile phone to connect to this WIFI to form a LAN. Hotspot password is 12345678.

1. Select the device

Open the **【YahboomRobot】** APP and select the **【DOGZILLA】** device in **【ROS Robot】** .



2. Fill in the IP address displayed by the OLED in DOGZILLA in the IP column, and use the default parameters in the Port and Video columns.

Click **【Connect】** , and it will automatically jump to the control interface after the connected successfully.

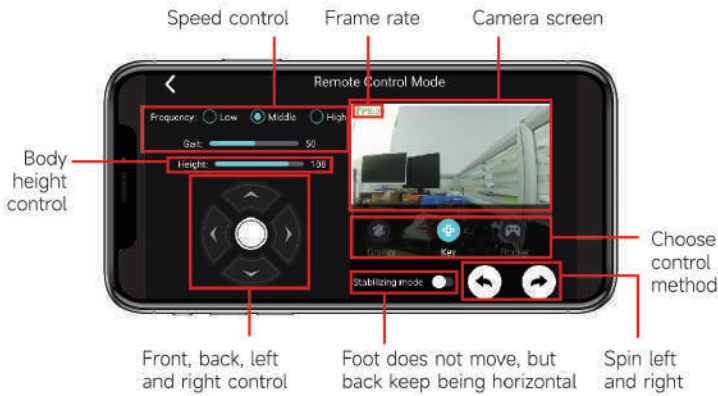


APP function introduction

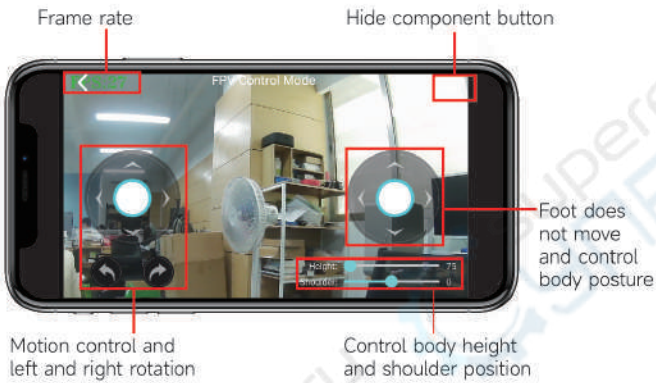
The main interface of DOGZILLA APP is divided into five parts, each of them corresponds to different functions.



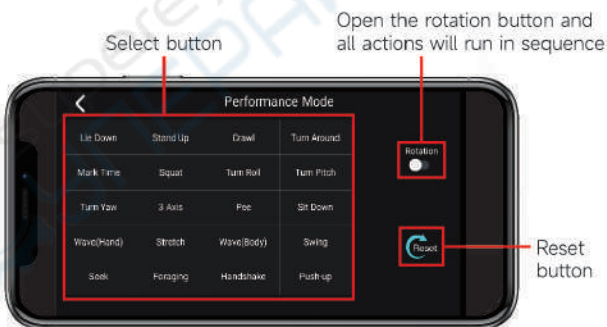
1. Remote Control



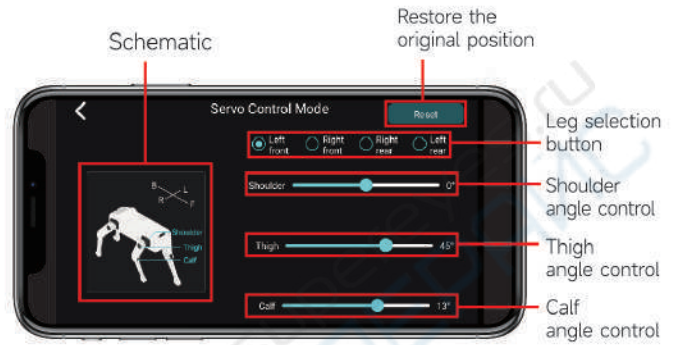
2. FPV Control



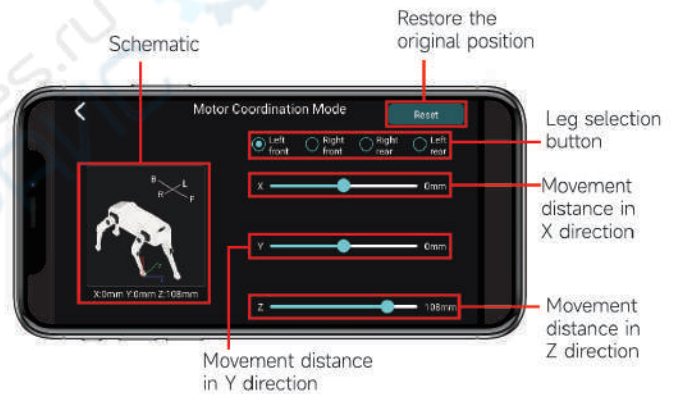
3. Performance



4. Servo Control



5. Motor Coordination



TIPS

1. What is the username and password?

Username: pi Password: yahboom

VNC login password: yahboom

Jupyterlab Login password: yahboom

Hotspot signal: DOGZILLA_WIFI password: 12345678

2. If the DOGZILLA is lying on the ground and cannot stand normally, it means that the battery power is low. Please charge the DOGZILLA in time, the charging interface is at the bottom of the body.

During charging, the light on charger is red and the light will become green when fully charged.

3. When the charger is plugged in, the system will forcibly turn off the output, and the Raspberry Pi will automatically power off and shut down. Before charging, please save the data of the Raspberry Pi, and then insert the charger to avoid data loss due to forced shutdown.
4. Before running the single code, please close the APP control process in system, otherwise the single code not run normally.
5. The load capacity of the robot dog is limited, please do not add any load items to the robot dog.
6. If you do not want to use the WIFI hotspot that comes with the DOGZILLA, you want to connect to the WIFI network at your home. Please refer to the website on the homepage of the manual to view our tutorial **【FAQ】** --- **【How to close the WIFI hotspot that comes with the DOG-ZILLA】**

Lithium-ion battery safety specification

1. It is strictly forbidden to connect to equipment that exceeds the load used by the product.
2. Please use the official battery, power adapter and batterybox provided by Yahboom.
3. When the battery level is less than 9V, the DOGZILLA will lie on the ground and cannot stand up, and the power switch indicator light shows a breathing light effect. At this time, we need charge the robot dog in time.
4. Please turn off the power switch before charging. For safety reasons, the DOGZILLA cannot be used during charging.
5. When charging, the indicator light of the charger lights up in red, when the indicator light on the charger lights up in green, indicating that the battery is fully charged. When charging the battery, someone should take care of it. After charging, unplug the charger in time to avoid over-charging.
6. The power switch of the DOGZILLA should be turned off after use. When the device is not used for a long time, we need charge the robot dog to about 80% battery level, and check the battery power to avoid over-discharge.
7. Keep away from heat, fire, any liquid. Don't use it in wet or rain. Damp environment may cause the battery to ignite or even explode.
8. When the lithium battery pack or battery charger catches fire or smoke, please use sand or dry powder fire extinguisher to extinguish the fire, and then quickly evacuate to a safe area.
9. Don't use the battery when it is leaking, damaged, heated, deformed, discolored, smelly or any other abnormal phenomenon, and contact Yahboom or other agents in time.
10. Please use the battery at 0 C~35°C environment. The battery will be damaged or the discharge performance will be extremely reduced at other temperatures.
11. Intentional puncture, short circuit, reverse connection, unauthorized welding, impact, crushing and throwing of batteries are strictly prohibited.
12. Do not use the battery in a strong static and magnetic-field environment, otherwise the battery may leak fluid, catch fire or even explode.
13. It is strictly forbidden to modify the hardware circuit board without permission.
14. Do not allow children to replace batteries without adult supervision. Keep batteries out of the reach of children.
15. If the charger or battery pack smokes or hot (the outer packaging will crack in severe cases) or the battery leaks, please disconnect the power strip or the main gate, then quickly pull out the charger, remove the battery and put it in an open area.