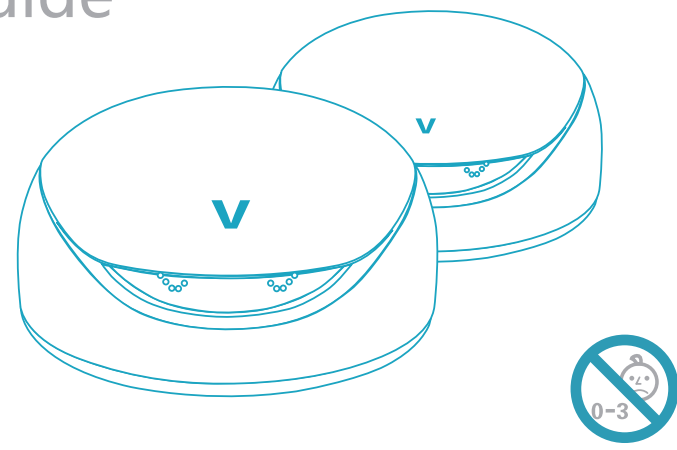


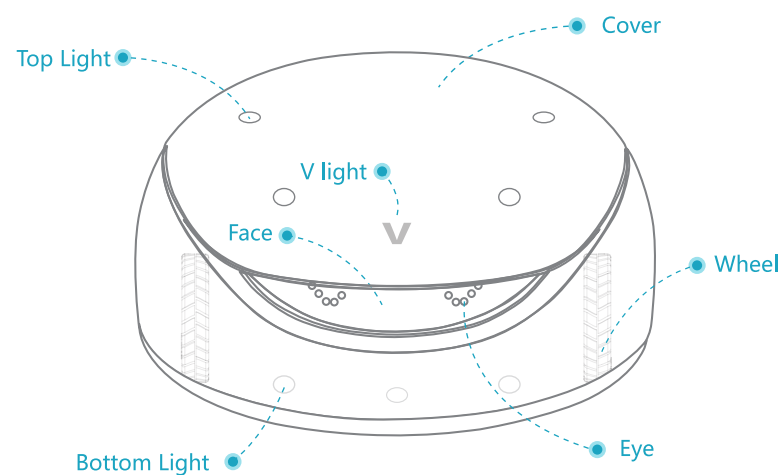
Vortex

Quick Start Guide

Ages 6 and up
Adult Supervision Required.



Please read these instructions carefully before using this product. Retain this manual for future reference.



Personalization

Your Vortex includes four default profiles and one that you can customize yourself.

Specification :

Size : Diameter 120mm Height 64mm
Weight : 260g
Power : 4 x AA batteries (1.5v alkaline)
Bluetooth 4.0
DFRobot reserves the right to change the design and specifications of this product without prior notice.

Customer Service

Retain proof of purchase for customer service support. For product feedback or enquiries email: vortex@dfrobot.com

Vortex Limited Warranty

This Vortex product, as supplied and distributed by DFRobot and delivered new to the customer, is under warranty by DFRobot against manufacturing defects in materials and workmanship for the period of one (1) year. Full terms can be found in the Vortex User Manual.

Apple: iPad, iPhone and iPod touch are trademarks of Apple Inc., registered in the US and other countries.

Google Play: Google Play is a trademark of Google Inc.

Bluetooth: The Bluetooth wordmark and logos are owned by Bluetooth SIG Inc.

DFRobot: All rights reserved.

Contact Us :

Mon – Fri, 9am – 6pm (GMT+8)
+8621 6162 0183
www.dfrobot.com
Email: vortex@dfrobot.com



Company : DFRobot, Shanghai Zhiwei Robotics Co., Ltd
Address : Rm 615, Bld. Y1, No. 112, Liangxiu Road, Pudong, Shanghai (201203) CHINA
Telephone : +8621 6162 0183
Tax : +8621 6100 1657
Made in China
Publish date : November 2015

Vortex User Guide
Visit www.dfrobot.com/vortex
The explanations provided in this user manual are information purposes only and may be modified.
The latest version of this user manual can be found at www.dfrobot.com/vortex

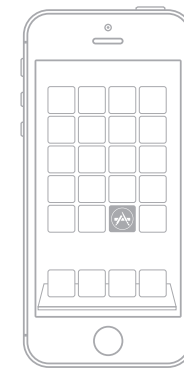
1 Download App

The device needs to support Bluetooth 4.0



Available on the Android Market

Android users can go to the Google Play, search "Vortexbot" App and download.
Android 4.3 and above (Not all devices are compatible)

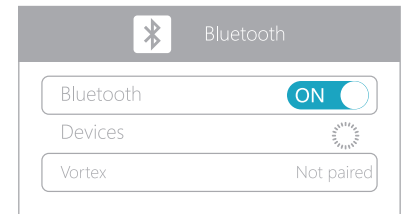


Available on the App Store

iOS users can go to the App Store, search "Vortexbot" App and download.

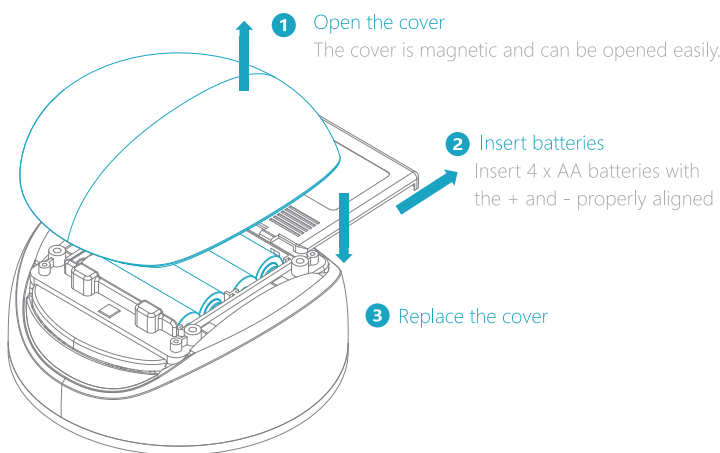
The following devices are available :
iPhone4S and above
iPad3 and above
iPod touch 5/6

2 Turn Bluetooth On



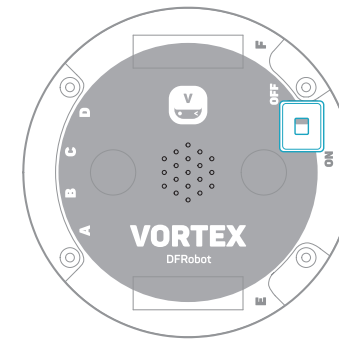
3 Battery Installation

Large capacity rechargeable batteries are recommended.



4 Power on

The power switch is located on the underside of the Vortex.



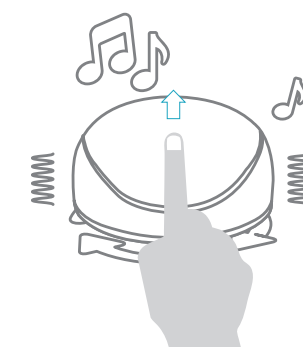
Bottom of Vortex

Use this switch to turn the Vortex's power on and off.

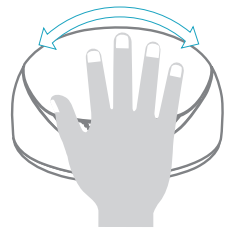
Warning: Don't stare directly at the power LED

5 Dance!

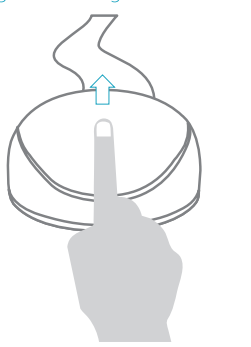
Gently push your Vortex forwards and it will dance!



2 Gently push your Vortex forwards and it will dance!



1 Wave to your Vortex closely and its lights will change.

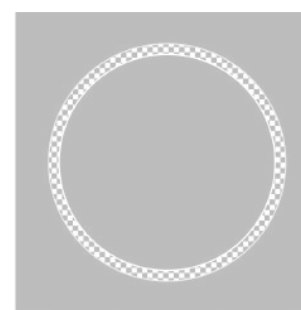


3 Put your Vortex on a black line and it will follow it automatically.

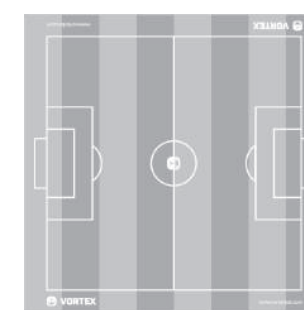
6 Start Playing

Use the included map to play games with your Vortex. You can create your own maps too!

1 Make the included Jigsaw Puzzle map. Use it to have a game of soccer or a bumping fight with another Vortex.

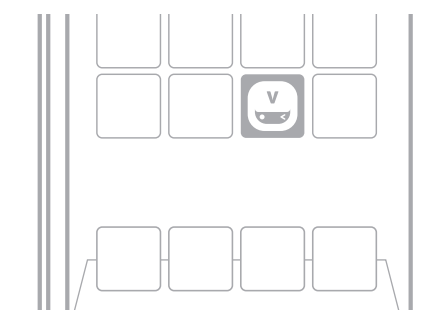


Bumping

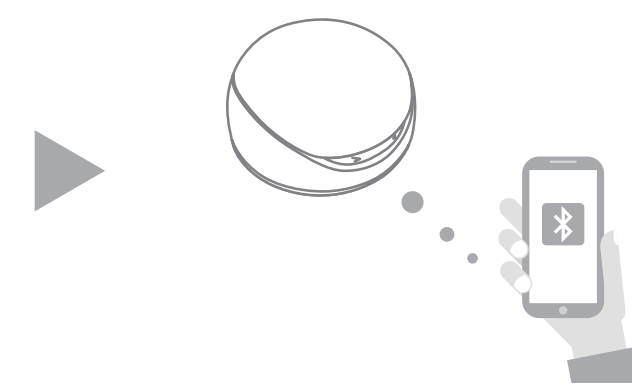


Soccer
(You need to build a football by yourself For better game experience, do not use round football)

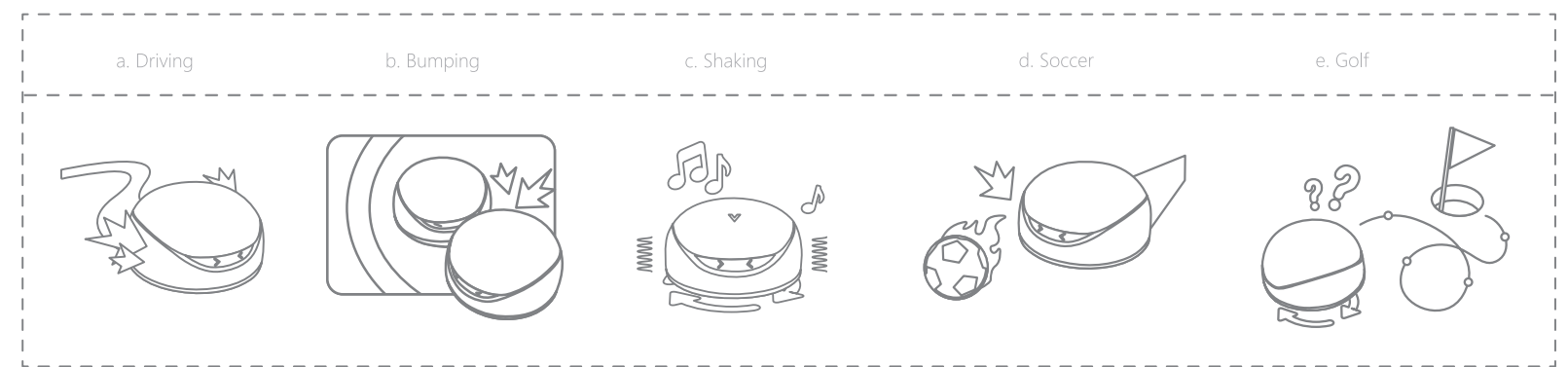
2 Launch App



3 Put your phone close to your Vortex and they will automatically pair.



4 Start Playing:
Keep your Vortexbot app updated to access new games.

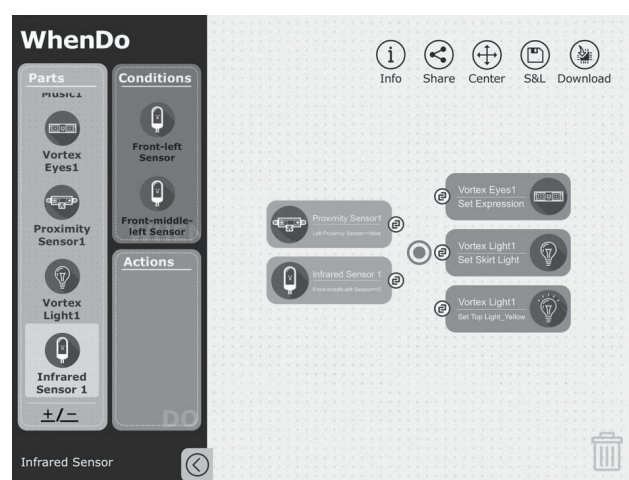


7 Programming

Available on the App Store

iPad users can go to the App Store, and search and download "WhenDo" App. iPad3 and above

1 WhenDo: Program with your iPad
For more information, please check the attached handbook "Getting Started with WhenDo" Uploading is managed wirelessly.



2 Program with your PC/Mac:

Vortex is compatible with Arduino and Scratch. For more information please check the Vortex user manual (www.dfrobot.com/vortex)

Product Care & Usage

- Handle your Vortex with care - excessive force may cause damage.
- Do not expose your Vortex to extreme temperatures, fire, explosives, corrosives, toxic materials, rain, strong magnetic field or immerse in water.
- Your Vortex may become hot during operation.
- Your Vortex will run best on a flat and clean surface. Avoid using outdoors.

Warning

To reduce fire risks, do not expose Vortex to rain or damp. Never drop your Vortex on a hard surface.

Battery

- Replace with alkaline batteries only.
- Ensure batteries are inserted with correct polarity.
- Only batteries of the same or equivalent type as recommended are to be used.
- Do not mix old and new batteries.
- Battery installation should be performed by an adult.
- Dispose of batteries correctly.
- Always remove batteries and set power off when your Vortex is not being used for a long period of time.

To avoid environmental pollution, dispose of waste products in accordance with local regulations.

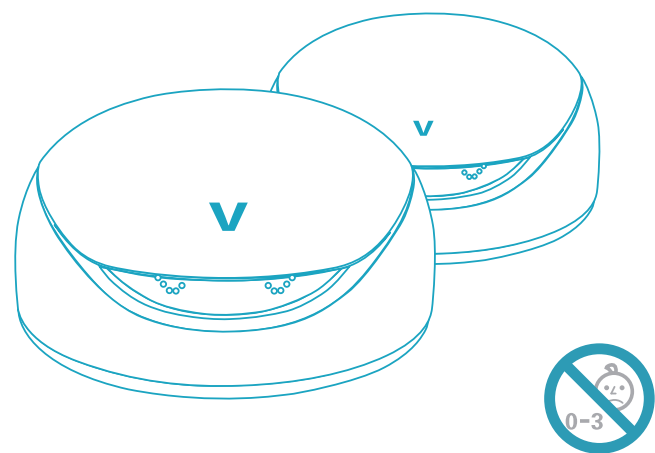
Troubleshooting

- For troubleshooting, please follow these steps:
- Read the latest user manual available at www.dfrobot.com/vortex
 - Remove the batteries, re-insert new batteries and reset after one minute.
 - If App does not work, delete the old one and download again.
 - You can find more information on the web at www.dfrobot.com/vortex or you can contact your retailer.

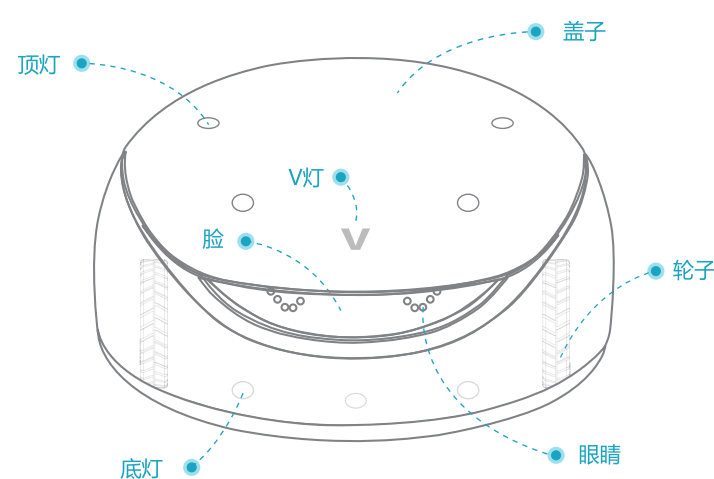
Vortex 机器人

快速入门

适用儿童年龄：6+
首次使用时，请家长在旁陪伴。



使用产品前请仔细阅读本说明书，并请妥善保管。



个性配置

Vortex预置了4个角色。用户还可以自己定义角色，设置各个灯光色彩，眼睛表情，配套音乐。

技术参数：

尺寸：直径120mm 高64mm
质量：260g
电源：1.5V碱性电池*4
通讯协议：蓝牙4.0

设计和规格如有变更，恕不另行通知。

保修

一年有限保修摘要：本产品（Vortex）由DFRobot供应和总经销，以全新状态交付给客户买主，DFRobot对其用料和工艺上的制造缺陷提供为期一年的质量保证。完整条款请参见使用手册。

苹果：Apple iPad，iPhone和iPod touch是苹果公司在美国和其他国家注册的商标。

Bluetooth：“Bluetooth”字标和徽标为Bluetooth SIG，Inc所有。

DFRobot 保留所有权利。

联系我们：

周一至周五北京时间上午9点至下午6点
致电：021-61620183
访问：www.dfrobot.com.cn
邮件：vortex@dfrobot.com



微信



微博

制造商：上海智位机器人有限公司
公司地址：上海浦东新区亮秀路112号Y1座615室 201203
电话：021-61620183
传真：021-61001657
原产地：中国
出版日期：2015年11月

详细说明
详细说明请前往www.dfrobot.com/vortex
下载《Vortex使用手册》

在我们的产品网站可以查询到本产品新增的信息和常见问题的解答。

1 安装App

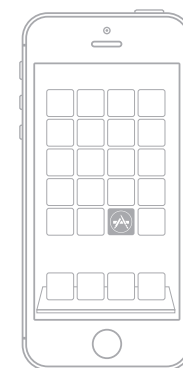
手机需支持蓝牙4.0



Available on the Android Market

安卓用户请扫二维码
或点击以下网址下载：
www.dfrobot.com/vortex

支持设备如下：
Android 4.3及以上
(并非兼容所有设备)



Available on the App Store

苹果用户请前往App Store
下载Vortexbot

支持设备如下：
iPhone 4S及以上
Ipad 3及以上
Ipod touch 5/6

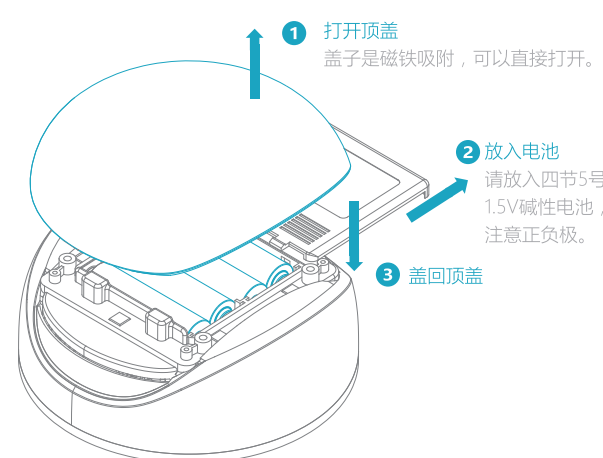
2 打开蓝牙设备

请打开手机的蓝牙设备，
启动蓝牙功能。



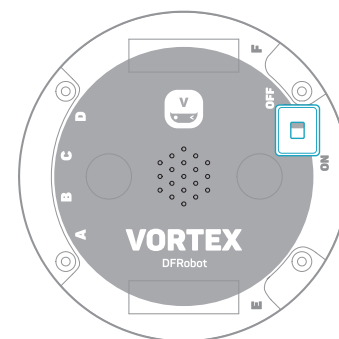
3 安装电池

推荐使用大容量充电电池。



4 打开电源开关

开关位于Vortex机器人的底部



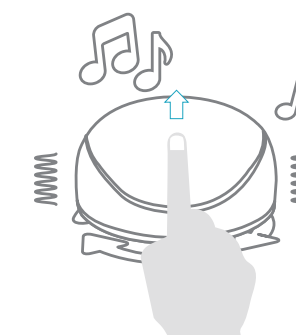
Vortex机器人的底部

拨动开关从OFF到ON
稍等几秒，Vortex机器人启动。
关掉电源时，请将开关从ON拨到OFF。

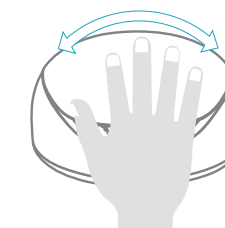
注意：请勿直视顶部和底部的LED灯。

5 开机舞蹈

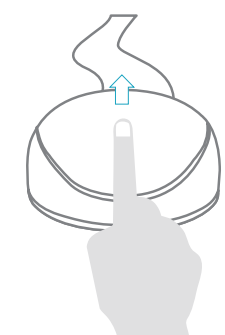
开机后可以和Vortex互动，
Vortex能跳舞。



轻轻向前一推，Vortex会跳舞。



靠近Vortex的眼睛挥手，Vortex会变
幻效果。

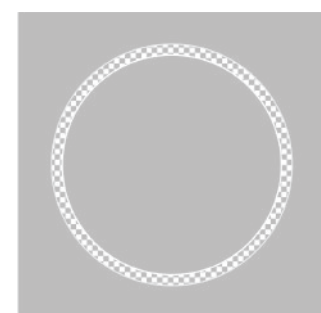


如果场地上有黑线，向前一推，Vortex
会自动巡线，即沿线行走。

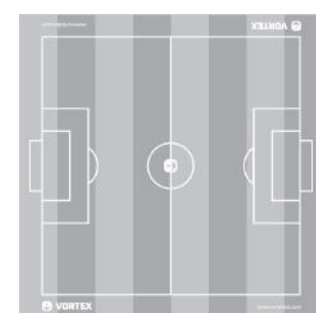
6 开始游戏

用户也可以自己制作地图

1 双人及多人游戏请先拼游戏地图

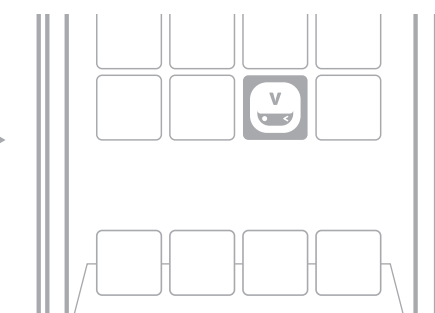


碰碰车

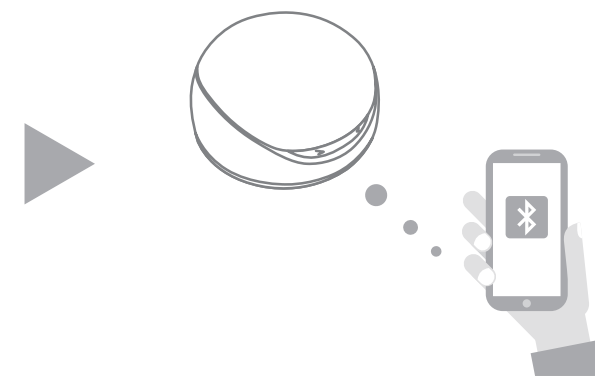


足球（请自备足球，多面体为佳）

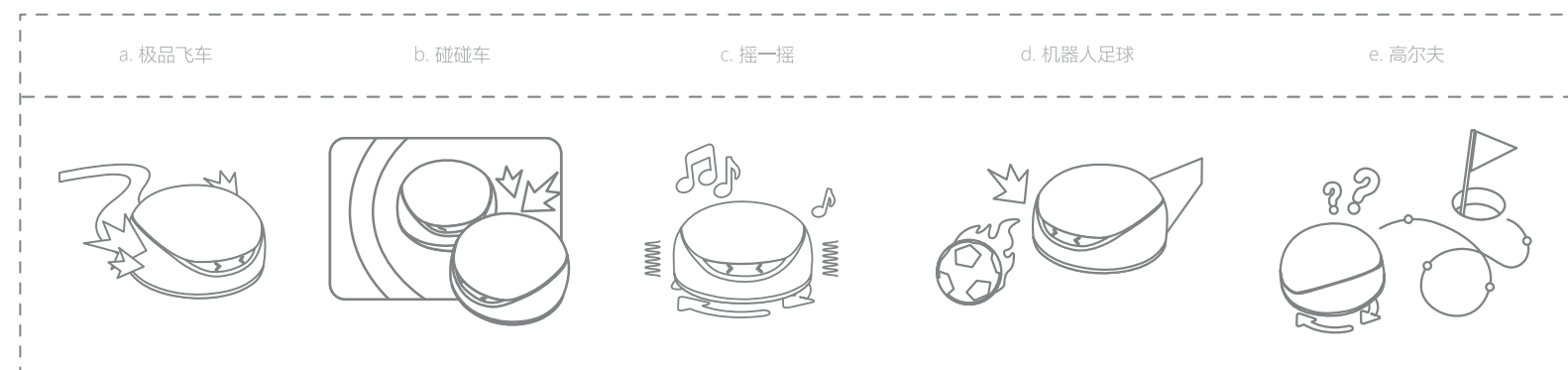
2 点击手机VortexBot App 进入菜单



3 手机靠近Vortex，自动蓝牙连接。



4 开始游戏
更多游戏请关注Vortex App更新



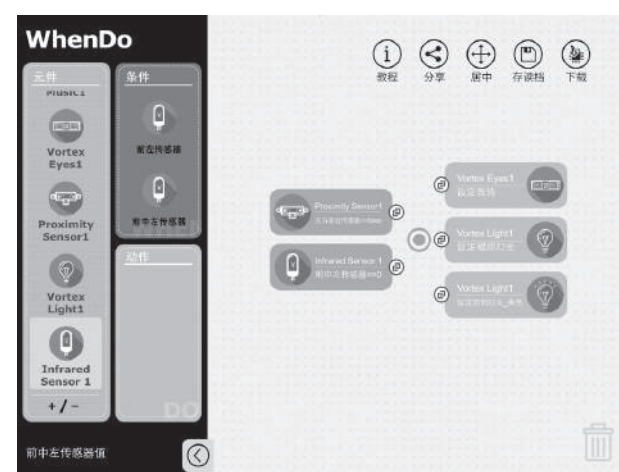
7 开始编程

Available on the App Store

iPad用户请前往App Store
下载WhenDo App。
iPad3以上设备支持

1 无线图形化编程App：WhenDo

详细内容请参见WhenDo说明书



2 高级编程：

Vortex支持Arduino和Scratch编程。
详细说明请前往www.dfrobot.com/vortex，
下载《Vortex使用手册》。

关于Vortex机器人的注意事项

- Vortex机器人属于精密电子产品，请勿使其受到强烈冲击，震动；避免粗暴使用，拆卸，撞击，跌落或踩踏产品等。
- Vortex机器人因连续使用可能发热，这是正常现象。
- Vortex机器人不防水，请勿将其置入水中或被水淋湿。
- 请勿在有强烈无线电波辐射及强磁场下使用Vortex机器人。
- 请在平坦干净的场地上使用Vortex机器人，如地图，地板，瓷砖等；勿将其置于复杂的环境中。

电池：

- 推荐使用AA可充电电池。
- 请勿将新旧电池混用。
- 请勿焚烧或丢弃火中。
- 请注意正负极。
- 请使用相同或近似的4节电池。
- 长期不使用，请将电池取出。
- 更换电池请在成人指导下进行。

为避免造成环境污染，请将废弃产品按照当地法规进行处置。

故障排除

如在游戏过程中遇到问题，请尝试按下面的方法解决。

- 请仔细阅读最新的Vortex使用手册（请从www.dfrobot.com/vortex下载）
- 请取出电池，等待大约一分钟后重新装上电池，重启。
- 如App有问题，请删除App，重新下载。
- 访问网站www.dfrobot.com/vortex或咨询当地经销商。

警告：为减少发生火灾或触电的危险，请勿让本装置淋雨或受潮。