

**MARS**

[www.elephantrobotics.com](http://www.elephantrobotics.com)



# MarsCat

## Quick Start Guide

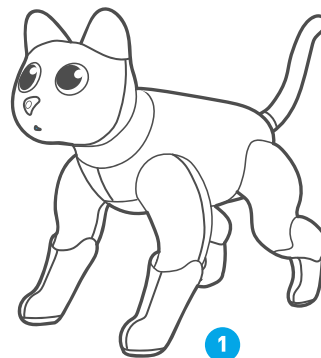
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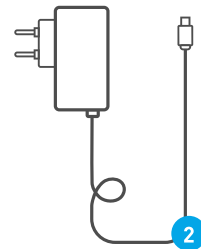


# Get Ready to Welcome MarsCat

## 1.1 What's Included?



MarsCat



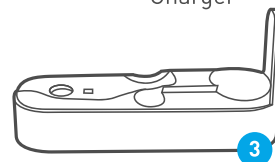
Charger



User Manual



Quick Starter Guide  
[\(This Document\)](#)



Charging Station



Changable ePad X 4

## 1.2 What You Need?



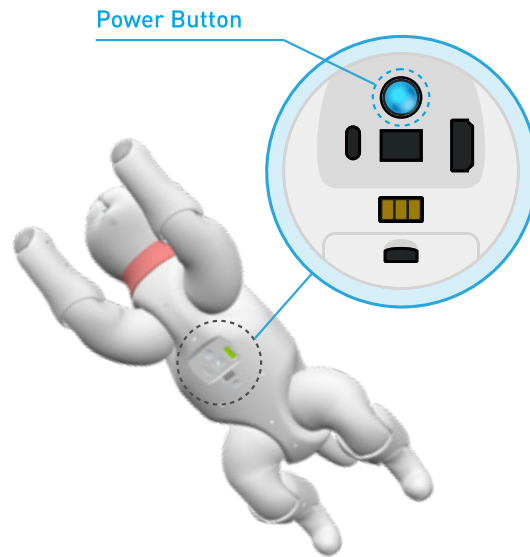
Phone (Optional)



## Wake Up MarsCat

### Step 1:

Press and hold the power button at the belly of MarsCat for 2 seconds. The status LED lights in blue and MarsCat is turned on.



### Step 2:

Lay down MarsCat on a flat and clean floor as shown below. Wait for a while until MarsCat starts to move.



### Step 3:

When MarsCat gets up and stands still, proceed to " 5. Set Up MarsCat with Mars-App" on page 09.



# 3

## How to Help MarsCat to Get Ready to Charge

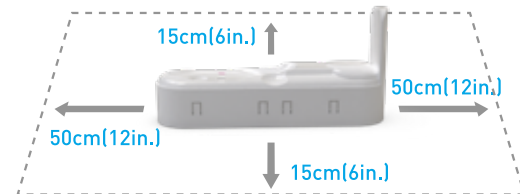
### Step 1:

Connect the charger to the charging station and the power socket.



### Step 2:

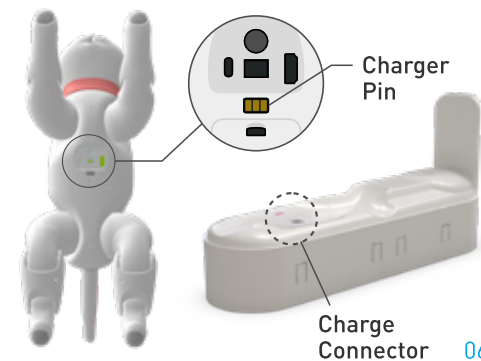
Be sure to allow clearance around the charging station as shown below.



### Step 3:

MarsCat will go to the charging station to charge itself when (1) its battery is lower than 10% (its eyes will show a low battery sign); (2) the charging station is within the range of its vision (3\*3m).

When MarsCat fails to find its charging station, you need to charge it manually. Lay down MarsCat on the charging station so that the charging pins on the belly are engaged with the charge connector on the charging station.



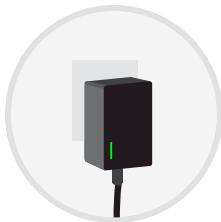
#### Step 4:

When MarsCat is properly laid down, the battery starts charging and the status LED of the charger turns red.



#### Step 5:

When MarsCat is fully charged, the status LED of the charger turns green. It takes approximately 3 hours to fully charge MarsCat.



## How to Turn Off MarsCat

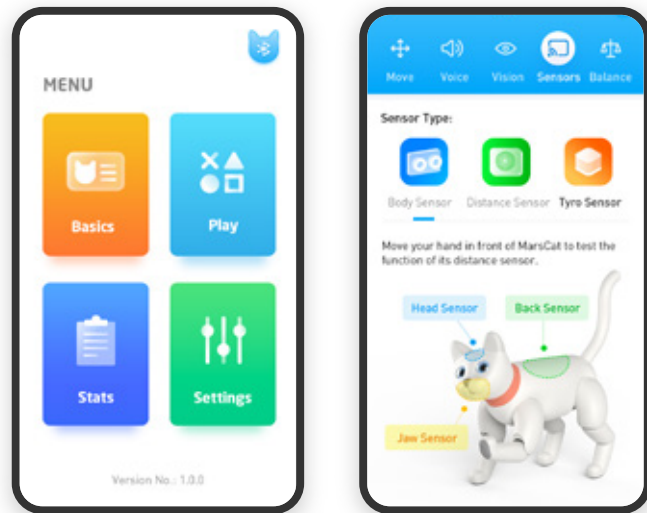
If you want to turn off MarsCat, press and hold the power button at the belly of MarsCat for 5 seconds. The status LED lights in red first and then turns off later, don't stop pressing the button until the status LED goes off.



# Set Up MarsCat with MarsApp

## Step 1:

The MarsApp is designed for you to better communicate with MarsCat, you can also update MarsCat easily via this App.



## Step 2:

Install the MarsApp to your smartphone. You can find the app from our website: [www.elephantrobotics.com/marscat/marsapp](http://www.elephantrobotics.com/marscat/marsapp) or search the app store for "MarsApp".



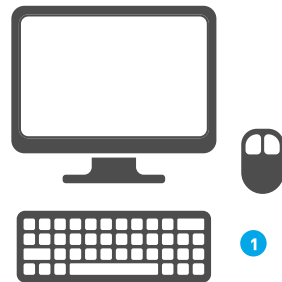
## Step 3:

Follow the on-screen instructions to set up MarsCat with MarsApp.

# 6

## How to Program MarsCat (Optional)

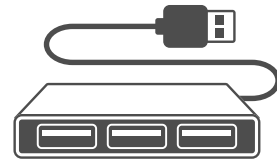
### 6.1 What You Need



- 1 Display screen  
mouse  
keyboard



- 2 HDMI Cable



- 4 USB Hub

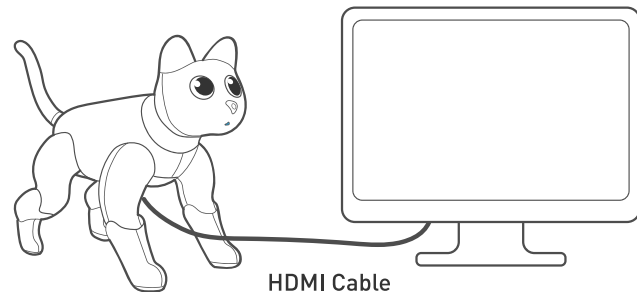


- 3 TypeC to USB female

### 6.2 What to Do?

#### Step1:

Use a HDMI cable to connect MarsCat with your display screen as shown:



HDMI Cable

### Step 2:

Use a type C to USB female and an USB hub to connect the mouse and keyboard to MarsCat.

### Step 3:

If you want to start your programming, run `./tools/stop-systemd-services.sh`, and then create new or edit existing files under `/home/pi/marsai`. You can also check README.md files for some details.

### Step 4:

To invoke your code, run `./tools/start-systemd-services.sh` or run corresponding python 3 scripts directly.



# When You Need Help



Welcome to contact us directly via  
[info@elephantrobotics.com](mailto:info@elephantrobotics.com)



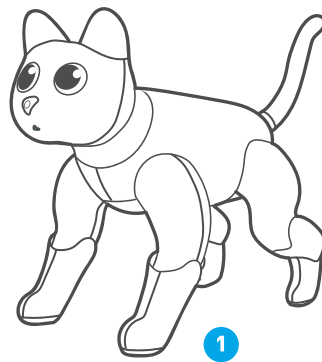
You can also find more information from our website  
[www.elephantrobotics.com](http://www.elephantrobotics.com)



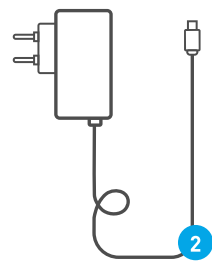


# 准备好欢迎你的新伙伴 — MarsCat火星仿生猫

## 1.1 本产品包含:



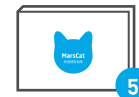
MarsCat火星仿生猫



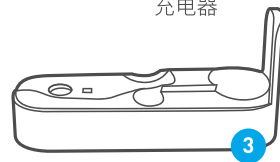
充电器



用户手册



快速使用指南  
(本文档)



充电桩



猫爪垫 X 4

## 1.2 您需要准备好以下物件:



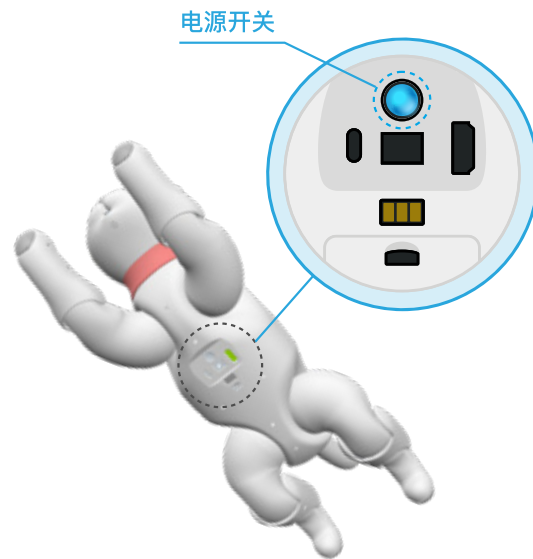
手机



## 唤醒MarsCat火星仿生猫

### 步骤 1:

长按腹部电源开关按钮2s直至显示灯亮起蓝色，MarsCat火星仿生猫即进入开启模式。



### 步骤 2:

请将MarsCat火星仿生猫按图示姿势放置于一个干净的平面后，请等待它完成开机动作后再进行下一步操作。



### 步骤 3:

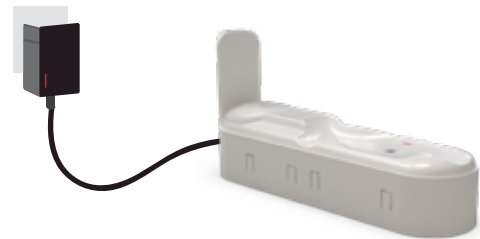
当MarsCat火星仿生猫完成开机动作，恢复站立状态后，即可进入第24页“5.连接MarsApp”的步骤。



## 3 充电

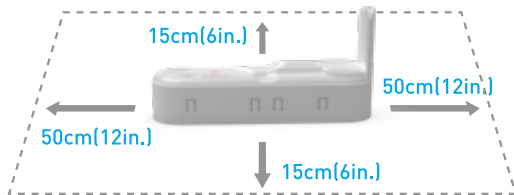
### 步骤 1:

用充电器将充电桩接通电源。



### 步骤 2:

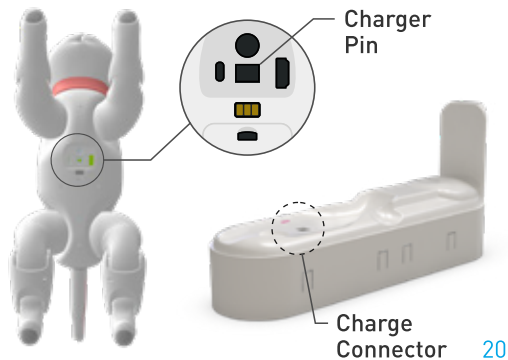
确保充电桩周围干净整洁，建议留出如图所示的空位：



### 步骤 3:

当电池电量低于10%，MarsCat火星仿生猫眼睛处会有低电量提醒，MarsCat火星仿生猫会自行前往充电桩充电，完成自行充电动作。充电桩须在其视线范围内: 3mX3m。

当MarsCat火星仿生猫无法完成自主充电时，你需要手动给它充电。按图示方式放置火星猫，确保肚子上的充电接口对准充电桩接口。



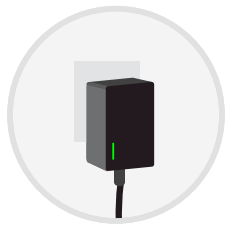
#### 步骤 4:

当MarsCat火星仿生猫开始充电，电源显示灯将亮红灯。



#### 步骤 5:

当电池充满电，充电器上的显示灯将亮绿灯。  
电池充满电大约需要3小时。



## 4 关机

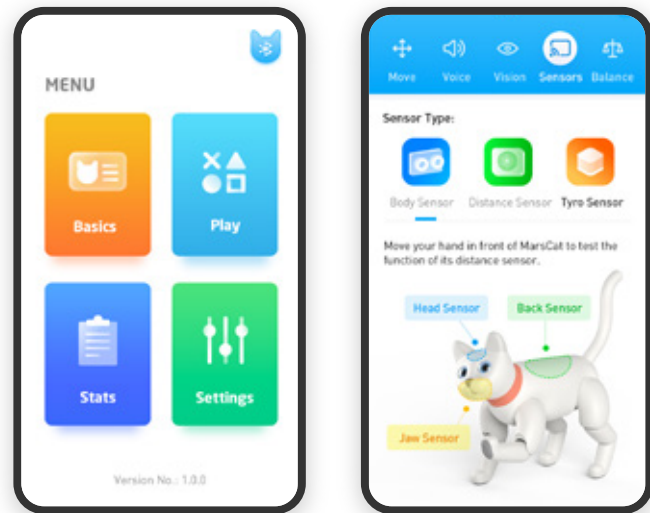
长按背部电源开关按钮直至显示灯亮红灯后再熄灭，请等待红灯熄灭后再停止长按动作，长按动作需持续约5s。



# MarsApp联机设置

## 步骤 1:

MarsApp是针对MarsCat火星仿生猫专门研发的应用，您可以通过MarsApp更好地与MarsCat火星仿生猫互动，了解其成长，亦可实时地更新软件版本。



## 步骤 2:

您可登录 [www.elephantrobotics.com/marscat/marsapp](http://www.elephantrobotics.com/marscat/marsapp) 获取MarsApp安装地址，亦可在App Store 或 Google Play搜索“MarsApp”，将MarsApp安装到手机上。



## 步骤 3:

根据MarsApp上的操作指引进行联机设置。

# 6

## 关于编程 (非必须操作)

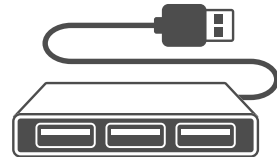
### 6.1 您需要准备好以下物件:



1 电脑显示屏  
鼠标 + 键盘



2  
HDMI线



4 USB Hub

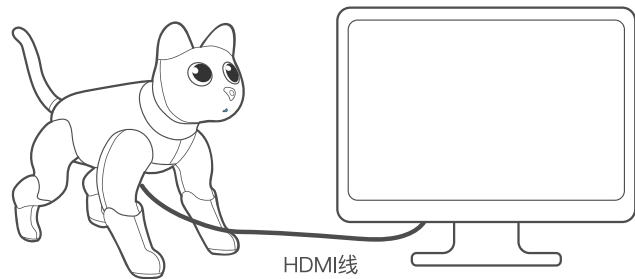


3  
Type-C转USB母口

### 6.2 您需要以下操作:

#### 步骤 1:

通过HDMI线链接MarsCat火星仿生猫与显示屏。



HDMI线

## 步骤 2:

使用type C转USB母口和USB hub将鼠标和键盘与MarsCat火星仿生猫连接。

## 步骤 3:

执行程序 `./tools/stop-systemd-services.sh` 后，在 `/home/pi/marsai` 创建文件或打开已有文件。你亦可通过 `README.md` 文件查看更多内容。

## 步骤 4:

执行程序 `./tools/start-systemd-services.sh` 或直接执行对应的python 3 scripts



## 如需要帮助



欢迎通过邮件与我们直接联系：  
[info@elephantrobotics.com](mailto:info@elephantrobotics.com)



您也可以登录大象机器人官网查找更多信息：  
[www.elephantrobotics.com](http://www.elephantrobotics.com)

## Contact Us

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