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The 'enSkate' logo in white and orange.

R3

USER GUIDE  
用户指南

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# 目录

01	安全提醒
01	产品及配件
03	使用介绍
05	遥控器介绍
07	保养维护
07	故障排除
08	技术规格
09	有限质保
09	环境保护

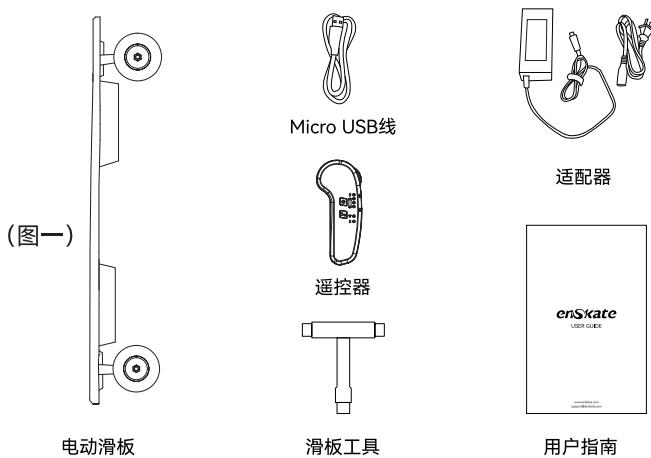
感谢您选择enSkate电动滑板，enSkate电动滑板采用智能无刷电驱技术，  
我们期待为您带来多彩有趣的电驱体验。

## 一、安全提醒

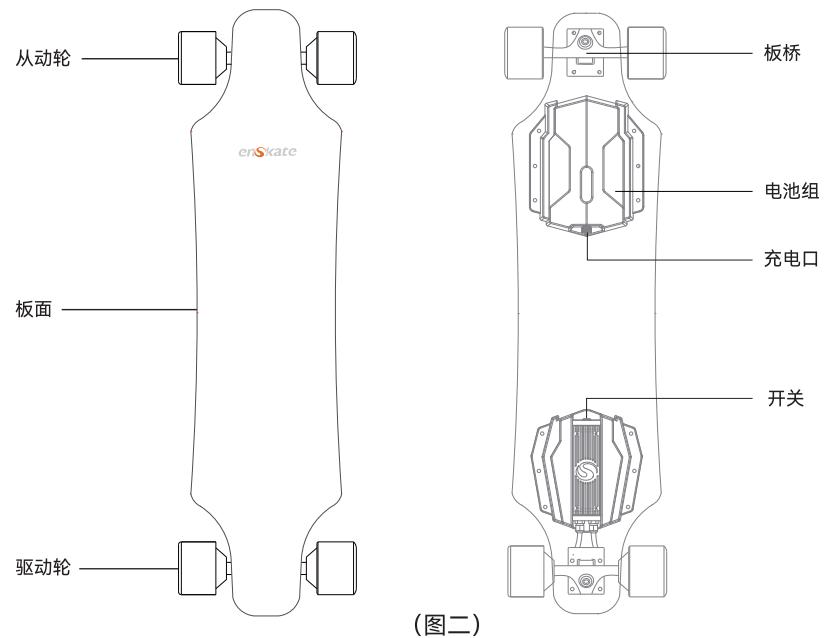
- ⚠ 使用前请仔细阅读并彻底了解用户手册。它包含您的安全至关重要的信息。
- ⚠ 对因不安全使用或故障维修而导致的任何损坏或伤害概不负责。未经授权的维修技术人员对本产品进行的不恰当维修都由用户全权负责
- ⚠ 仅适用于16岁及16岁以上的人士。
- ⚠ 滑行时应该随时佩戴保护膝盖、肘部和手腕的防护装备和经过认证的安全头盔。
- ⚠ 只能在沥青、水泥等平坦路面或平缓的斜坡上使用。不要在污垢、沙石、陡坡或滑溜的路上使用；下超过18%的坡时要特别小心注意刹车。
- ⚠ 避免在潮湿地面或冰面上滑行，产品进水会损坏您的滑板，并将危害您的人身安全。
- ⚠ 避免您的手指、头发、衣服绞如轮子、电机、板桥等任何活动部件，这将给您带来致命的伤害。
- ⚠ 请勿在滑行过程中进行急刹，您的身体可能因为失控而飞出。
- ⚠ 当遥控器的电池电量不足时，连接可能不稳定或中断。当遥控器的低电量警告出现时，请停止骑行。尽量避免在无线电塔、电力线或雷达等大功率电磁辐射设备的区域使用。在一些罕见的情况下，连接也可能由于不可预测的原因而中断。为了安全起见，当连接中断时，滑板将停止动力供应。如果连接失败多次发生，请立即停止使用，并避免在此种情况下再次使用滑板。
- ⚠ 在长时间使用后，请勿触碰后桥或驱动电机。驱动电机将产生热量，并可能导致严重的灼伤。在触摸之前，请让这些区域冷却。
- ⚠ 本产品非交通工具，请遵守当地法律。
- ⚠ 不要在受到酒精或毒品的影响下进行滑行。
- ⚠ 请在滑行前检查螺丝是否松动，务必保证螺丝拧紧。如轮子/轴承磨损，请及时更换。

## 二、产品及配件

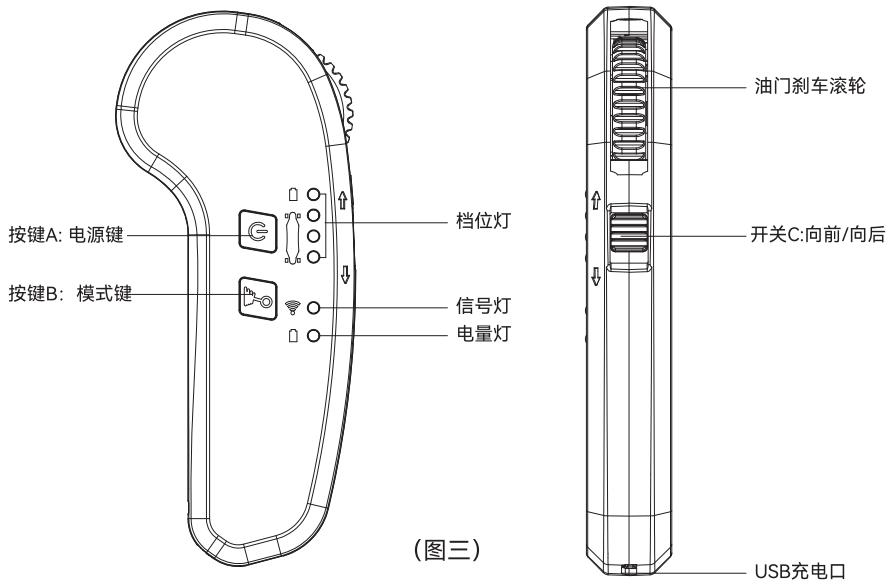
### 2.1 包装清单



## 2.2 滑板介绍



## 2.3 遥控器介绍



### 三、使用介绍

#### 3.1 开机

3-1-1.关机状态下，长按遥控器上“按键A”1秒开机，遥控器短震动一次，遥控器进入连接模式，信号指示灯红灯慢闪（1秒一次）。再将滑板电源键短按一下（0.2秒）开机，进入连接模式，提示红灯慢闪（1秒一次）。

#### 3.2 关机

3-2-1.手动关机：开机状态下，长按“按键A”2秒关机，遥控器短震动一次；滑板长按电源按键1秒关机。

注：（若滑板关机后遥控器没关机，遥控器信号灯红灯慢闪，且遥控器振动一次作为提醒。

同样若遥控器关机后滑板没关机，滑板电源指示灯慢闪。）

3-2-2.自动关机：当滑板在静止状态时，若5分钟不操作，遥控器与滑板将自动关机。

注：（遥控器若未与滑板配对过，（开机自动进入配对模式）若5分钟不操作，遥控器将自动关机，滑板不影响。）

#### 3.3 连接配对（出厂已配对好）

3-3-1.遥控器和滑板均处于关机状态下，首先将滑板电源按键长按5秒，滑板指示灯红灯快闪，提示进入配对状态，再长按遥控器“按键A”5秒，信号指示灯开始快闪，表示进入配对模式，遥控器两短震加一长震指示已经配对成功，配对成功时遥控器信号指示灯红灯长亮，滑板指示灯红灯长亮，配对成功即可使用。

注：（未进行过配对的遥控器和滑板开机即进入配对模式，无需长按5秒。）

#### 3.4 电量指示

3-4-1.遥控器电量指示：遥控器开机后，若遥控器电量检测低于25%（最多够用1个小时），遥控器电量指示灯红灯亮；如果电量充足，即够用1小时以上，则绿灯亮。

3-4-2.当电量仅剩约5%（够用15分钟左右），遥控器双长振动1次（震动0.5秒停0.5秒再震动0.5秒，下同），并且红灯慢闪（1秒一次）；当电量仅剩约2.5%时，遥控器再双长振动1次，并且红灯慢闪；当电量低于安全使用电压（3.4V）且与滑板处于连接状态滑板停止时，则遥控短振一次后自动关机。

信号灯指示	电量
●●●●	75%~100%
○●●●	62.5%~75%
○○●●	50%~62.5%
○○○●	低于25%
○○○○	低于12.5%

● 表示常亮 ○ 表示闪烁 ○ 表示熄灭

3-4-3.一个灯亮起表示25%，一个灯闪烁表示12.5%

3-4-4.滑板电量低于25%时，遥控器双长震动一次。

3-4-5.滑板电量低于12.5%时，遥控器双长振动一次，当电压低于安全使用电压时，则关闭动力输出，此时应尽快刹车。

注：开机连接上滑板时显示滑板电量2秒，2秒后电量指示关闭，任意时刻短按A键重新触发滑板和遥控器电量显示，再次显示2秒，然后熄灭。

注：未连上滑板时仅能显示遥控器电量。

#### 3.5 油门/刹车控制

3-5-1.向前推动“滚轮”以控制滑板前进，向后拉动“滚轮”以控制滑板刹车。

备注：在进行按键开机的同时请勿推/拉动“滚轮”。若遥控器上显示滑板电量的四个指示灯出现的如下图闪烁情况时，说明油门不在初始状态（零油门位置），请查看滚轮是否处于零油门位置。

●○○● → ○●●○ → ●○○● → ○●●○ .....

### 3.6 滑板方向切换

3-6-1.前进状态下，向后拨动“开关C”，遥控器短震动一次（震动0.1秒，下同），指示灯向后闪烁移动表示“后退模式”

3-6-2.后退状态下，向前拨动“开关C”，遥控器短震动一次，指示灯向前闪烁移动“前进模式”。

注：此操作只有在遥控器油门遥杆处于中点位置（零油门）时才有效。

### 3.7 挡位切换

3-7-1 图三遥控器的实体按键B为滑板档位切换键；分为3挡位可调：1挡（18km/h）、2挡（28km/h）、3挡（35km/h）。

1挡状态下，按下“实体按键B”，遥控器短震动一次，四个滑板电量指示灯快速闪烁移动（类似走马灯，下同）表示2挡；

2挡状态下，按下“实体按键B”，遥控器短震动一次，四个滑板电量指示灯更快速闪烁移动表示3挡。

注：此操作只有在滚轮在中点位置（零油门）时才有效；以及具体档位对应的速度可由具体使用电调来调整。

### 3.8 充电

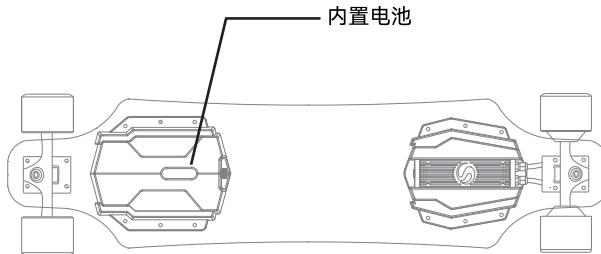
3-8-1 遥控器充电：遥控器连接充电后，遥控器震动一次，遥控器电量指示灯亮红灯，充满则亮绿灯。

注：遥控器充电状态无法进行其他操作，拔掉充电线短震动一次后自动关机。

3-8-2 滑板电池充电：滑板关机状态下，连接充电器，滑板自动进入充电状态，滑板指示灯红灯亮起；滑板开机状态下，连接充电器，进入充电状态，滑板指示灯红灯亮起，拔掉充后自动关机。

注：充电状态下，滑板不与遥控器连接，或连接后不接受操作指令。充电状态滑板电机与电调部分停止工作。

### 3.9 电池图示及说明

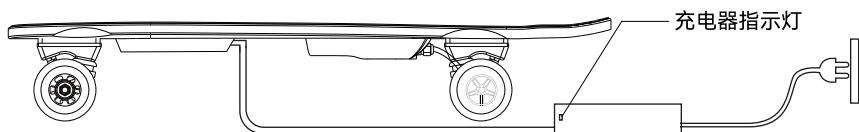


(图四)

注意：保持清洁与干燥。

### 3.10 电池充电说明

3-10-1 将标配充电器AC端接至100-240VAC插座处。DC端插入滑板底部充电口，此时充电器指示灯变为红色，表示连接正常且正在充电，直至充电器指示灯再由红色变为绿色表示电池充电完成，此时拔下所有插头。



(图五)

### 3.11 电池处理和处置

- 3-11-1.首次收到时您的滑板是未充满电的，在使用前请给滑板充电。
- 3-11-2.切勿在冷冻或低于冰点温度下储存或使用电池。
- 3-11-3.当滑板不使用或者将耗尽电量时，请确保电源开关已关闭。电量耗尽时，容易受到损坏。
- 3-11-4.当滑板不经常使用时，请至少每月为电池充电一次，直到恢复正常使用。
- 3-11-5.只能使用推荐的充电器，充电时要小心。应定期检查充电器的电源线，插头，外壳或其他部件是否损坏，充电器只能由成人操作，请勿在易燃材料附近操作充电器。拔掉充电器并在不使用时断开与滑板的连接，充电完成。

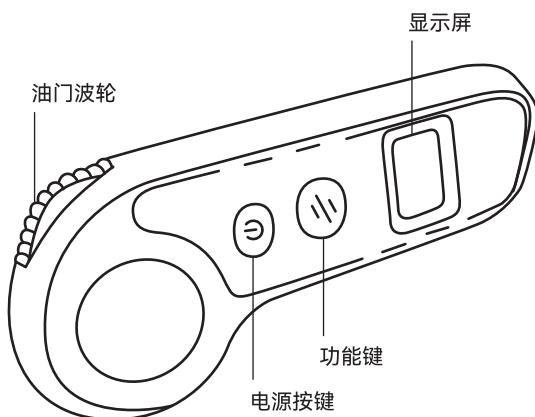
## 四、遥控器介绍

感谢您购买本产品！错误的操作可能造成不能正常使用，甚至损坏相关设备，我们强烈建议您在使用设备前仔细阅读本说明书，并严格遵守规定的操作程序。

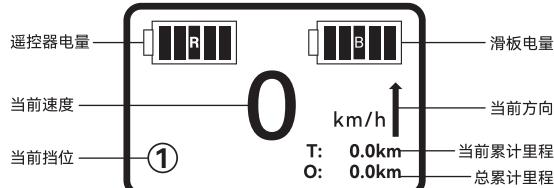
### 01 产品规格

型号	R3/R3mini新款屏显遥控器
电池电压/容量	DC 3.7V 800mah 2.9Wh
充电接口	Type-C
使用时间	5~6小时（视具体使用时间而定）
通讯方式	2.4G+PA
遥控距离	>20m
重量	62g
规格	130*53*20mm

### 02 遥控器示意图



### 03 遥控器屏幕显示



DISCONNECT!

g—x—.

图1 信号弱/未配对



图2 遥控器充电中

### 04 功能与操作说明

#### ① 开机

关机状态下，长按遥控器上“电源按键”1秒开机，遥控器短震一次，遥控器进入连接模式，再将滑板电源键短按0.2秒开机，进入连接模式。

#### ② 关机

开机状态下，长按遥控“电源按键”2秒关机，遥控器短震一次；长按滑板“电源按键”1秒关机。

#### ③ 连接配对（出厂已配对好，仅在更换遥控器时操作）

遥控器和滑板均处于关机状态下，首先将滑板“电源按键”长按5秒，提示进入配对状态，再长按5秒遥控“电源按键”出现配对成功提示且伴随两短震加一长震指示已经配对成功，配对成功即可使用。

#### ④ 电量指示

遥控器电量指示：遥控器开机后，若遥控器电量检测低于10%，遥控器双长震1次。当电量低于安全使用电压（3.4V）且与滑板处于连接状态滑板停止时，则遥控短振一次后自动关机。（注：以上每次电量提示时相对应屏幕上也出现提示）

滑板电量指示：滑板电量低于25%时，遥控器双长震一次。当电压低于安全使用电压时，则关闭动力输出，此时应尽快刹车。

#### ⑤ 油门/刹车控制

向前推动“油门拨轮”以控制滑板前进，向后拉动“油门拨轮”以控制滑板刹车。开机时请务必保持油门拨轮为自然回中状态，否则可能影响使用体验。

#### ⑥ 滑板方向切换

连续按下“功能键”2次切换前进方向，遥控器震动1次。

注：此操作只在滚轮在中点位置（零油门）且速度小于3km/h时才有效

#### ⑦ 挡位切换

按下“功能键”1次切换挡位，遥控器震动1次。

#### ⑧ 充电

遥控器充电：遥控器连接充电后，遥控器短震一次，显示图2

备注：遥控器充电状态无法进行其他操作，拔掉充电线短震一次自动关机

滑板电池充电：滑板关机状态下，连接充电器，滑板自动进入充电状态，拔掉充电器后自动关机。

备注：充电状态下，滑板不与遥控器连接，或连接后不接受操作指令。充电状态滑板电机与电调部分停止工作。

#### ⑨ 定速巡航

在加速过程中短按“电源按键”进入定速巡航模式，同时遥控器会震动1次。在不操作滚轮的时候滑板会保持当前速度，其他任意操作将会退出定速。

## 五、保养维护

### 5.1 清洁

5-1-1 为了您的安全和避免引起安全隐患，滑板禁止直接用水冲洗，用湿抹布进行清洁处理。  
严禁湿抹布直接擦拭滑板所有带电接口，包含充电接口、电源开关等。

### 5.2 维护

5-2-1 长期滑行需不定时检查滑板各个部件螺丝是否有松动。定期清洁、润滑轴承。存放时需关闭滑板存放于干燥通风环境处，不得放于太阳直射或高温潮湿环境下。长时间不滑行时应每月对电池进行充电并打开滑板10-30分钟之后关闭继续存放。PU胎皮磨损请及时更换，用六角扳手装饰盖的六颗螺丝拉出PU胎皮，将新的胎皮套进电机轮毂，锁紧装饰件即完成更换。（PU胎皮请联系厂商购买）

## 六、故障排除

### 6.1 电池低压警报

6-1-1 当遥控器电量仅剩约5%（够用15分钟左右），遥控器双长振动1次，并且遥控器电量指示灯红灯快闪；当电量仅剩约2.5%时，遥控器再双长振动1次，并且红灯快闪；当电量低于安全使用电压（3.4V）且滑板速度低于3km/h时，则遥控自动关机。  
6-1-2 当滑板电量低于25%时，遥控器双长震动一次，指示灯显示“○○●”，滑板电量低于12.5%时，遥控器双长振动一次，指示灯显示“○○○○”，当电压低于安全使用电压时，则无油门输出并且自动缓慢降低油门量至零（最多3秒由当前油门量自动降低至零油门量），此时油门不生效，刹车生效，可手动刹车。  
注：当遥控器或滑板电量第一次开始提醒后，使用者最好停止使用，对相关设备进行充电，避免锂电池因过放而损坏。

### 6.2 信号丢失警报

6-2-1 当信号连续丢失0.2秒，遥控器震动一次，若滑板正在进行加速操作，首先油门立即自动归零，然后自动缓慢刹车；若正在刹车，则缓慢上升或降到一个固定的刹车力度。信号丢失后，遥控器将进入搜寻滑板设备状态，搜到并重新连接成功后遥控器震动一次，缓慢刹车取消，并且油门归零后滑板方可恢复正常操作。

### 6.3 堵转警报

6-3-1 当电机堵转或完全卡死时，遥控器持续间歇式的震动，遥控器上显示滑板电量的四个指示灯间歇闪烁“○●○●”“●○●○”“○●○●”“●○●○”……。发生此情况后使用者应该停止运行滑板，查看电机是否有异物卡住，并及时清除后方可运行滑板。

### 6.4 过热警报

6-4-1 当电机堵转或完全卡死时，遥控器持续间歇式的震动，遥控器上显示滑板电量的四个指示灯间歇闪烁“○●○●”“●○●○”“○●○●”“●○●○”……。发生此情况后使用者应该停止运行滑板，查看电机是否有异物卡住，并及时清除后方可运行滑板。

### 6.5 满电下坡过充警报

6-5-1 原则上我们是禁止使用充满电的滑板下坡的，因为下坡进行刹车操作时会对电池进行充电，所以满电下坡会引起滑板电池寿命降低甚至发生爆炸起火等事故！用户需要先将滑板在平路或上坡消耗一定的电量再进行下坡！当某些用户违规使用充满电的滑板下坡，电调检测到滑板电池电压过高后遥控器会振动及闪灯警示“○●●○”“●●●●”，当用户仍持续冲坡，滑板将主动刹车制止用户继续冲坡。此办法只能有限保护电池，并不能保证电池100%不受损坏。

## 七、技术规格

类型	滑板/Skateboard
型号	R3
尺寸规格	965*240*130mm
重量	7.3kg
板面	枫木
高度	130mm
续航	About 30-35km(60kg load)
最大速度	35km/h/21.7mph
爬坡角度	30%
最大载重	120kg/265lbs
操作方式	遥控
电机功率	450W*2
电机类型	永磁无刷轮毂电机
防水等级	IP55
电池规格	36V/7000MAH
适配器输入	100-240VAC, 50/60Hz
适配器输出	42VDC,2A
充电时间	3.5H

※爬坡和续航、会受路况、体重、温度等因素影响

※请使用官方指定适配器为滑板充电

※通过适配器及 Type-c 数据线给遥控器充电

类型	遥控
电量	DC 3.7V 800mah 2.9Wh
适配器输出	5VDC,1A
充电接口	Type-c
充电时间	1H
通信方式	2.4G+PA
有效距离	40m (Open Field)
重量	62g

## 八、有限质保

部件名称	质保期限	服务内容
电池部件	12个月	如电池容量正常衰减50%以上（人为因素除外）,12个月内可进行电池维护（特种电池除外）电池进水，人为原因不保修。
电机	12个月	电机保修12个月（进水、人为原因不保修）
充电器	12个月	质量问题引起的性能故障、可以更换。(进水、人为的原因不保修不更换)
电调	6个月	发生性能故障无法恢复，可以更换。(进水、人为的原因不保修不更换)

序号	不属“三包”的范围和内容
1	用户未按“使用说明书”的规定使用、保养及调整造成的故障（撞击、进水、人为等原因不保修）
2	用户人为损坏（剪断线头）、自行改装、拆修造成损坏、自行分解，使故障原始损坏，无法进行技术鉴定和分析的故障。
3	用户使用保管不当或意外事故造成的故障
4	无保修卡或卡、发票、物不相符的车辆
5	不属于“部件三包范围及期限”表内的部件不在保修范围内

附加说明：“三包”范围以外的故障及“三包”期以后的主配件本公司仍负责修理，根据更换配件需收取成本费。保修期间运费各付一程。

\*三包范围及期限（本手册所指三包配件期限及更换配件后的三包时间均为客户收到货签收之日起开始计算）\*

## 九、环境保护

9.1 本产品内部嵌入不可拆卸的锂离子充电电池。废弃处理时，请遵守当地可回收利用或电子设备废弃处理规定。

# CONTENTS

11 .....	Security Warnings
11 .....	Device and Accessories
13 .....	Functions & Instructions
15 .....	
17 .....	Maintenance
18 .....	Troubleshooting
19 .....	Specifications
20 .....	Limited Warranty
20 .....	Environmental Protection
20 .....	Symbolic Description

Thanks for choosing enskate® electric skateboard.  
With the Permanent-magnet BLDC Hub Motor,  
providing you with awesome experience.

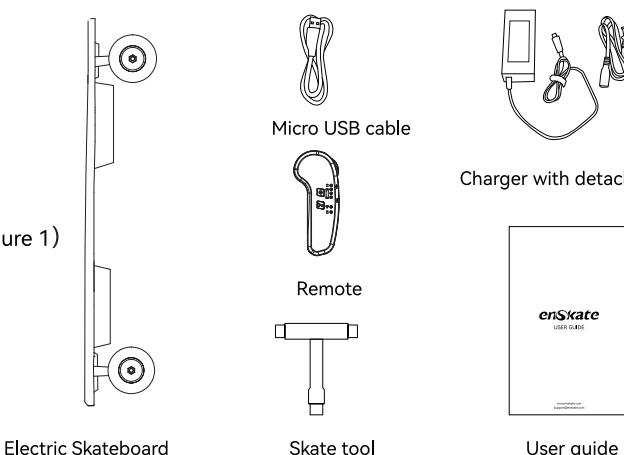
## 1、Security Warnings

-  You should read, understand and abide by the terms and conditions of the user guide before riding skateboard.
-  enSkate is not liable for any damage caused by unsafe operation or faulty repair, any repairs made by unauthorized technicians will void the warranty.
-  Do not ride the board if you are under the age of 16 years old.
-  Avoid riding on uneven surfaces, dirt, sand, steep hills, cracks, rocks might cause a fall. Be cautious when going down hills.
-  Riders may risk death or serious injury from loss of control and falls. Always wear helmet and protective gear such as knee pads, elbow pads, wrist pads while riding skateboard.
- When the gradient is steep (>18%), pay special attention to the brake, or stop using the skateboard downhill.
-  Riding on wet or icy pavement is extremely dangerous due to the potential for losing traction and control.
-  Keep fingers, hair, and clothing away from belts, motors, wheels, and all moving parts.
-  Emergency brake while riding with high-speed is dangerous, you may need to rely on skating techniques like foot-braking for a gentle brake.
-  The connection could be unstable or lost when the remote control's battery is low. Stop riding when the low battery warning sign appears. Try to avoid areas with high-power electromagnetic radiating equipment, such as radio towers, power lines and radar. In some rare cases, connection may also be lost due to unpredictable causes. As a safety precaution, skateboard will shut off immediately when the connection is lost. If losing connection happens more than once, stop using it immediately and contact with enSkate customer support team.
-  Right after long-term use, do not touch the rear axle or driving motor. The driving motor produces heat and may cause serious burns. Cool down these areas before touching.
-  Abide by the laws and regulations in your state or country.
-  Do not ride the board if you are under the influence of alcohol or drugs.
-  Do frequent maintenance checks, make sure all screws are tight before riding. If the wheel/bearing is worn, please replace it in time.

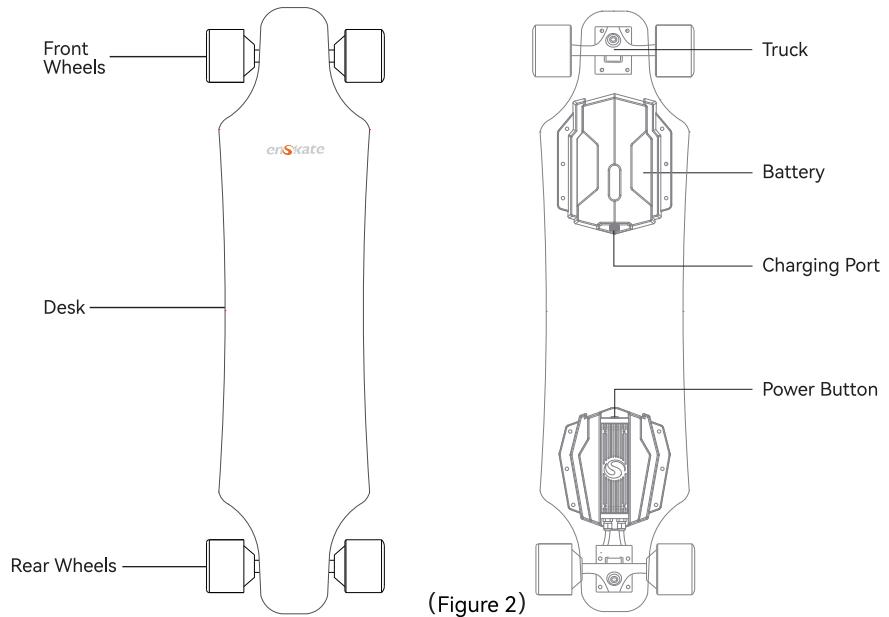
## 2.Device and Accessories

### 2.1 Packing List

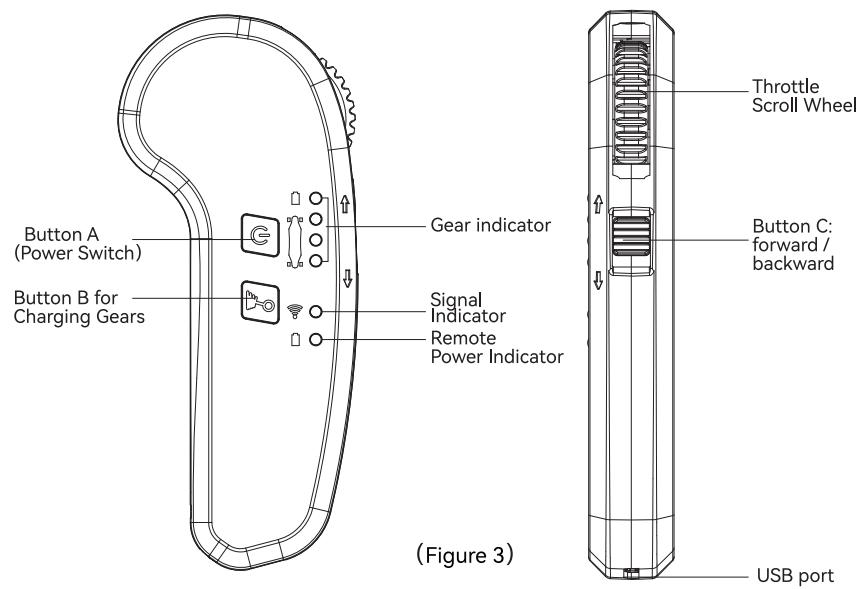
(Figure 1)



## 2.2 Mini Electric Skateboard



## 2.3 Remote



## 3. Functions & Instructions

### 3.1 Power On

3-1-1.(With the remote powered off), press the “Button A” (on the remote) for 1 second, the remote vibrates a short vibration, enters the connecting mode, and the signal LED starts to flash Red slowly (once a second). (With the board powered off), press the “Power” button on the board (for 0.2 second) to enter the “connecting” mode, and the Red LED on it starts to flash slowly (once a second).

Note: the signal LED on the remote and the Red LED on the board turn solid after they are connected to each other.

### 3.2 Power Off

3-2-1. (Power off) manually: (with the remote & the board powered on), pressing the “Button A” on the remote for 2 seconds can turn off the remote, the remote will vibrate a short vibration after the press; pressing the “Power” button on the board for 1 second can turn off the board.

Note: if the remote is still on after the board is turned off, the signal LED on the remote will flash Red slowly and vibrate once to remind the user. Similarly, if the board is still on after the remote is powered off, the Red LED on the board will flash slowly (to warn the user.)

3-2-2.(Power off) Automatically: if the user let the board stay still with no further operation for 5 minutes, then the remote and the board will turn off automatically.

### 3.3 Connecting & Binding (Remote & Board are bound before leaving the factory)

3-3-1.(With the remote & the board powered off,) press the “Power” button on the board for 5 seconds, the Red LED (on it) starts to flash rapidly to indicate that the board enters the binding mode; then press the “Button A” on the remote for 5 seconds, the Signal LED (on it) starts to flash Red rapidly to indicate that the remote enters the binding mode, and the remote vibrates two short vibrations and one long vibration to indicate that the binding succeeds. The signal LED on the remote and the Red LED on the board turn solid when the binding succeeds.

Note: when using a new remote and a new board, there is no need to press either the Power button (on the board) or the Button A (on the remote) for 5 seconds to bind them. They enter into the binding mode when they are powered on.

### 3.4 Power Indicators

3-4-1.Remote Power Indicator (a single LED): after the remote is powered on, if it detects the power is less than 25% (which can barely support an one-hour operation), the Remote Power LED comes on Red; if the power is sufficient (that is the power can support an operation of at least one hour), then the Remote Power LED comes on Green.

3-4-2.If there is only 5% of power (which can only support a 15-minute operation) left, the remote will vibrate a double, long vibration (vibrate for 0.5 second, pause for 0.5 second and then vibrate again for 0.5 second ) and the Remote Power LED starts to flash Red slowly (once a second); if there is only 2.5% of power left, the remote will vibrate a double, long vibration again (the same as the previous) and the Remote Power LED starts to flash Red slowly; and if the power is below the regulated value (3.4V) for safe use and the board stops, the remote will vibrate a short vibration and then turn off automatically.

Indicators	Power
● ● ● ●	75%~100%
○ ● ● ●	62.5%~75%
○ ○ ● ●	50%~62.5%
○ ○ ○ ●	< 25%
○ ○ ○ ○	< 12.5%

3-4-3. Board Power Indicator (4 LEDs in a row): one LED comes on to indicate there is still 25% of power, one LED flashes to indicate there is only 12.5% of power left

3-4-4. if the power is below 25%, the remote will vibrate a double, long vibration

3-4-5. if the power is below 12.5%, the remote will vibrate a double, long vibration ;and if the voltage goes below the regulated value for safe use, then the power output will be cut off. At this time, it's better to stop using as soon as possible.

● means “solid” ○ means “flash” ○ means “die out”.

Notes: the remote will display the power of the remote & the board for 2 seconds and then stop when it's powered on and connected to the board. Press the Button A at any time can re-trigger the display of the power of the remote & the board.  
The remote only displays the power of the remote when the board is not connected (to the remote).

### 3.5 Throttle/Brake Control

3-5-1.User can move the "throttle scroll wheel" forward to speed up, and move it backward to brake.  
Notes: Do not move the "throttle scroll wheel" when pressing the Button A (/Power Switch). If you see the four LEDs (on the remote) flash in the following way, then please check if the "throttle scroll wheel" is at the neutral/zero throttle position.



### 3.6 Switch of Skateboard Direction

3-6-1.When the board is moving forward, if the user moves the Switch C backward, the remote will vibrate a single, short vibration (0.1 second), the four LEDs will flash one by one from front to back to indicate the "Backward mode". When the board is moving backward, if the user moves the Switch C forward, the remote will vibrate a single, short vibration, the four LEDs will flash one by one from back to front to indicate the "Forward mode".

### 3.7 Switch of Gears

3-7-1.There are two gears available for the short board: 1st gear & 2nd gear.

3-7-2.In 1st gear, the speed ranges from 0 to 10km per hour; in 2nd gear, the speed ranges from 0 to 16km per hour.

3-7-3.When in 1st gear, if press the Button B, the remote will vibrate a single, short vibration, the four board power LEDs will flash one by one from one end to the other end to indicate that the board is in 2nd gear now.

3-7-4.When in 2nd gear, if press the Button B, the remote will vibrate a single, short vibration, the four board power LEDs will flash one by one from one end to the other end to indicate that the board is in 1st gear now.

3-7-5.There are three gears available for the long board: 1st gear, 2nd gear, and 3rd gear.

3-7-6.In 1st gear, the speed ranges from 0 to 12km per hour; in 2nd gear, the speed ranges from 0 to 24km per hour; in 3rd gear, the speed ranges from 0 to 30km per hour.

3-7-7.When in 1st gear, if press the Button B, the remote will vibrate a single, short vibration, the four board power LEDs will flash one by one from one end to the other end to indicate that the board is in 2nd gear now.

3-7-8.When in 2nd gear, if press the Button B, the remote will vibrate a single, short vibration, the four board power LEDs will flash one by one from one end to the other end to indicate that the board is in 3rd gear now.

3-7-9.When in 3rd gear, if press the Button B, the remote will vibrate a single, short vibration, the four power LEDs on the board will flash one by one from one end to the other end to indicate that the board is in 1st gear now.

Note: this operation effects only when the "throttle scroll wheel" is at the neutral position. The specific gear and speed can be adjusted by the specific ESC the user uses.

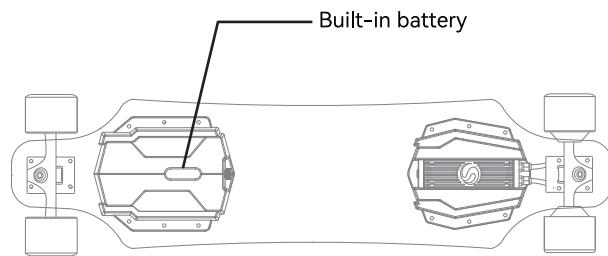
### 3.8 Charging

3-8-1.Charging the remote: the remote vibrates once after it's connected to a power supply via the charging cable and the remote power LED comes on Red and turns to Green when it's fully charged.  
Note: the remote can not be used during the charging, it vibrates a single, short vibration and powers off automatically after removing the charging cable.

3-8-2.Charging the board battery: with the board powered off, connect it to a power supply via the charger adapter, it automatically enters the charging mode, and the four Red board power LEDs come on; with the board powered on, connect it to a power supply (via the charger/adapter), it enters the charging mode and the four Red board power LEDs come on. The board will automatically turn off after removing the charger/adapter.

Note: During the charging, the board is not connected to the remote or it doesn't function even if it's connected to the remote. In other words, the motor & ESC on the board stop functioning during the process.

### 3.9 Introduction of battery

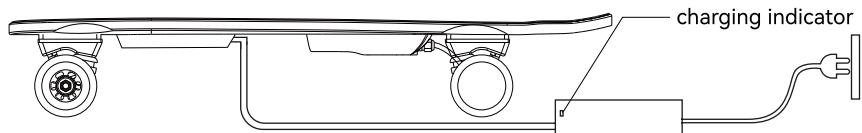


(Figure 4)

Please keep it clean and dry.

### 3.10 Description of battery recharging

3-10-1.Charging Method: Connect the standard charger AC with 100-240VAC socket. Insert the DC terminal into charging port at the bottom of the skateboard. Charger indicator light turns red means connection is completed, and the battery is charging. Charger indicator light turns green means charging is completed, then remove all plugs.



(Figure 5)

### 3.11 Battery Handling & Disposal

3-11-1.Your skateboard may not have a fully-charged battery when first received. Accordingly, you should charge the battery prior to the first use.

3-11-2.Never store or use the battery at freezing or below freezing temperature.

3-11-3.Make sure to turn off the skateboard after riding it, depleted battery might cause damage. Charge the battery at least once a month even if not using it.

3-11-4.Use only the enSkate charger and caution when charging. The cord, plug, enclosure and other detail parts require periodic inspection for possible damage. The charger should be operated only by adult. Do not use charger near flammable materials. Unplug the charger and disconnect it with skateboard when charging is completed.

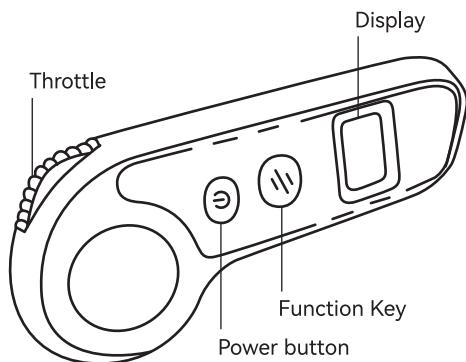
## 4.

Thank you for purchasing this product! Wrong operation may cause failure to use properly, or even damage the relevant equipment, we strongly recommend that you read this manual carefully before using the equipment, and strictly comply with the prescribed operating procedures.

### 01 Product Specification

Model	R3/R3mni new screen remote control
Battery voltage/capacity	DC 3.7V 800mah 2.9Wh
Charging port	Type-C
Use time	5~6 hours (depending on specific usage time)
Communication mode	2.4G+PA
Remote control distance	>20m
Weight	62g
Specification	130*53*20mm

### 02 Remote control diagram



### 03 Remote control screen display

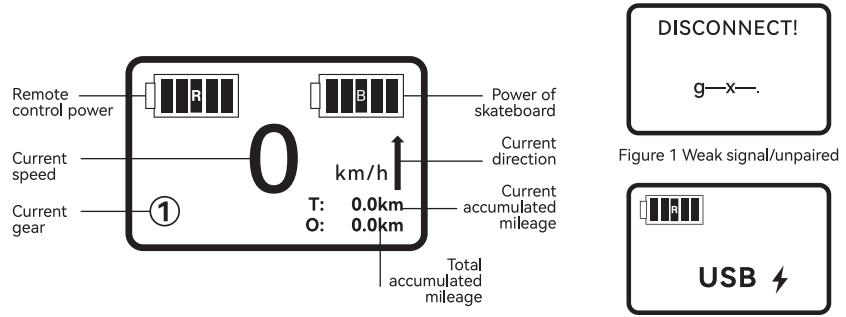


Figure 1 Weak signal/unpaired

Figure 2 Remote control is charging

## 04 Function and operation instruction

### ① Start up

In the off state, long press the "power button" on the remote control for 1 second to turn on the power, the remote control short vibration once, the remote control into the connection mode, and then the slide power button short press 0.2 seconds to turn on the power, into the connection mode.

### ② Shutdown

Under the power on status, long press the remote control "power button" for 2 seconds to turn off the power, the remote control short vibration once; long press the slider "power button" for 1 second to turn off the power.

### ③ Connection pairing (the factory has been paired, only operate when replacing the remote control)

The remote control and the skateboard are in the shutdown state, first of all, the skateboard "power button" long press for 5 seconds, prompted to enter the pairing state, and then long press the remote control "power button" for 5 seconds, the pairing success prompted and accompanied by two short vibration plus a long vibration indication has been paired successfully, pairing You can use it successfully.  
Translated with www.DeepL.com/Translator (free version)

### ④ Power indicator

Remote control power indication: After the remote control is turned on, if the remote control power detection is lower than 10%, the remote control double long vibration 1 time. When the power is lower than the safe use voltage (3.4V) and the skateboard is connected to the state skateboard stop, the remote control will automatically shut down after short vibration once. (Note: the above power prompt each time the corresponding screen also appears on the prompt)

Skateboard power indication: skateboard power below 25%, the remote control double long vibration once. When the voltage is lower than the safe use of voltage, the power output is turned off, at this time should be braked as soon as possible.

Translated with www.DeepL.com/Translator (free version)

### ⑤ Throttle/brake control

Push the "throttle wheel" forward to control the skateboard forward, and pull the "throttle wheel" backward to control the skateboard brake. Please make sure to keep the throttle wheel in the natural return state when you turn on the machine, otherwise it may affect the experience.

### ⑥ Skateboard direction switching

Push the "throttle wheel" forward to control the skateboard forward, and pull the "throttle wheel" backward to control the skateboard brake. Please make sure to keep the throttle wheel in the natural return state when you turn on the machine, otherwise it may affect the experience.

### ⑦ Gear switching

Press the "function button" once to switch gears and the remote control vibrates once.

### ⑧ Charging

Remote control charging: After the remote control is connected and charged, the remote control will be short vibrated once, displaying Figure 2

Note: the remote control charging state can not be other operations, unplug the charging cable short

shock once automatically shut down

Skateboard battery charging: skateboard off state, connected to the charger, skateboard automatically

into the charging state, unplug the charger automatically shut down.

Note: charging state, the skateboard is not connected to the remote control, or connected does not accept the operating instructions. Charging state skateboard motor and ESC part to stop working.  
Translated with www.DeepL.com/Translator (free version)

### ⑨ Cruise control

During the acceleration process, short press the "power button" to enter the fixed speed cruise mode, while the remote control will vibrate once. When not operating the wheel, the skateboard will maintain the current speed, any other operation will exit the fixed speed.

## 5.Maintenance

### 5.1 Clean

5-1-1.For your safety and to avoid potential safety problems, do not wash the board directly with water, only use damp cloth to clean the surface.

### 5.2 Maintenance

5-2-1.Termlly check if the screws loose.

5-2-2.Clean the bearings regularly.

5-2-3.For storage, stored the board in a dry and ventilated environment, do not in the sun or hot and humid environment.

5-2-4.For long term storage, suggest to full-charge the battery every month and keep the board on 10-30 minutes.

5-2-5. Unplug all plugs or connectors after the battery is fully charged.

## 6.Troubleshooting

### 6.1 Low Voltage

6-1-1.When the remote power is only 5% (for a 15-minute operation), the remote will vibrate a double, long vibration and the remote power indicator (a LED) will flash Red rapidly; when the power is only 2.5%, the remote will vibrate a double, long vibration again, and the LED flashes Red rapidly; and when the voltage goes below the regulated value (3.4V) and the speed(of the skateboard) is below 3km/h for safe use, the remote will automatically turn off.

6-1-2.When the board power is below 25%, the remote will vibrate a double, long vibration and the board power indicator (4 LEDs) will display in this way “○○○●”; when the power is below 12.5%, the remote will vibrate a double, long vibration and the 4 LEDs will display in this way “○○○”; and when the voltage goes below the regulated value for safe use, then there will be no more throttle output and the throttle value will be automatically and slowly reduced to zero(the process will take no more than 3 seconds). At this time, any throttle input will not take effect, only brake input works and you can brake manually.

Note: It's better to stop using and charge the corresponding device when the warning (due to low remote power or board power) is given for the first time. Otherwise, the LiPo battery will be damaged due to over-discharge .

### 6.2 Signal Loss

6-2-1.The remote will vibrate once when losing signals for 0.2 second, if the board is during acceleration, the “throttle scroll wheel” will be back to the neutral position immediately and automatically, and then brake slowly and automatically; if the board is during braking, then it will slowly increase or decrease to a fixed brake force. The remote will enter the searching board mode when signals are lost, it will vibrate once and stop braking slowly when it finds one and re-connect to the one successfully, the board can only resume normal operation after moving the “throttle scroll wheel” to the neutral position.

### 6.3 Motor Lock-up

6-3-1.When the motors are locked up or stuck, the remote will keep vibrating intermittently and the board power indicator (4 LEDs) will intermittently flash in this way “○●○●” “●○●○”“○●●○”“●○●○”..... In that case, please stop running the board and check if the motor(s) are stuck by some foreign material, remove the material immediately and then run the board.

### 6.4 Overheat

6-4-1.When the operating temperature of the ESC/motors is above 100°C or below 0°C, the remote will vibrate once and the board power indicator (4 LEDs) will intermittently flash in this way “○●●●”“●●●○”“○●●●○”“●●●●○”....., the motor will operate with a reduced power (about 25% throttle).

Note: the user needs to pay attention to the ESC & motor temperatures. When the operating temperature of the ESC/motors is high, he/she needs to find the cause, and use it after the cause is found and problem is improved or solved.

### 6.5 Short-circuit

6-4-1.When the ESC detects an ESC or motor short-circuit issue, the remote signal LED will flash intermittently in this way “○○○○”“●●●●”“○○○○”“●●●●”....., the motor will stop operating . Note: power off the board and then turn it on, use it after the problem is solved.

### 6.6 Overcharge (when going downhill with a fully charged battery)

6-6-1.In principle, going downhill with a fully charged battery is prohibited, because the battery will be charged when braking during the going-downhill process, so going downhill with a fully charged can shorten the service life of the board battery or even cause accidents like an explosion or a fire. The user needs to consume some power before going downhill. If some user violates the rule and goes downhill with a fully charged battery, the remote will vibrate and the board power indicator flashes in this way “○●●○” or “●●●●” when ESC detects the battery voltage is too high. If the user continues to go downhill, the board will brake automatically to prevent user from doing that. This method can only protect the battery to a limited extent and cannot 100% guarantee for the battery safety.

## 7.Specifications

Model	Skateboard
Model	R3
Dimension Specifications	965*240*130mm
Weight	7.3kg
Plate Material	Maple wood
Ground Clearance	130mm
Battery Duration	About 30-35km(60kg load)
Maximum Speed	35km/h/21.7mph
Climbing Angle	30%
Maximum Loading Bearing	120kg/265lbs
Operation	Remote control
Motor Power	450W*2
Motor Type	Permanent-magnet BLDC Hub Motor
Waterproof Level	IP55
Battery Voltage/Capacity	36V/7000MAH
Charger Input	100-240VAC, 50/60Hz
Charger Output	42VDC,2A
Charging Time	3.5H

※Maximum range test conditions: The rider weighs no more than 60kg, the skateboard is fully charged, the ambient temperature is about 25°, rider skates at low speed on flat road.

※Only use charging units supplied by us.

※The adapter and Type-c cable are used for charging remote control.

※Low temperature environment in winter may affect battery performance and range will be lower.

Model	Remote for Skateboard
Battery Voltage/Capacity	DC 3.7V 800mah 2.9Wh
Charger Output	5VDC,1A
Charging Port	Type-c
Charging Time	1H
Communications	2.4G+PA
Effective Distance	40m (Open Field)
Weight	62g

## 8.Limited Warranty

8.1 EnSkate provides a 180-day warranty from the order date on all electric skateboards sold. If the damage is caused by the defect of the product itself, enskate is responsible for providing new parts free of charge, and the shipping cost is borne by the customer. Customers can do inspection and replacement work under the advice of customer service. If it is damaged due to water ingress or improper use, it is not covered by the warranty.

8.2 If you need to contact customer service because of skateboard problems, you have 3 ways. 1. The priority method is to contact the website where you created the order/2. Send an email to support@enskate.com/3. Add LINE ID: enskate8866

8.3 enSkate will not be responsible for any costs, losses or damages incurred because of the loss or use of any of its products, and enSkate specifically disclaims all claims for consequential and incidental damages.

8.4 This limited warranty is subject to several important restrictions: This limited warranty only applies to products purchased directly from enSkate or from a enSkate Authorized Reseller.

8.5 This limited warranty is valid only for the original purchaser of a product, and it cannot be transferred to another person upon the sale, lease, or transfer of the product.

8.6 This limited warranty does not cover normal wear and tear. Belts, bearings,wheels, and grip tape are normal wear and tear items and are not covered under warranty.

8.7 Any customization or alterations to the board, mechanical parts, or electronics will void your warranty and likely cause the board to be completely inoperable,so alter at your own risk.

8.8 Please note that if you take your board out of the country, you will be responsible for shipping and receiving costs for any service or warranty repair.

8.9 This limited warranty does not apply to anything other than defects in the manufacturing and workmanship of the product.

8.10 If, upon its inspection, EnSkate discovers that you have modified, changed, or altered the product in any way, this limited warranty is waived.

## 9. Environmental Protection

9.1 This device contains non-removable rechargeable lithium ion batteries. Please follow regulations where you live for recycling or disposing of electronic devices.



Humidity Limit Symbol  
湿度限制符号  
(0%-90%)



Temperature Limitation Symbol  
温度限制符号 (5°C-40°C)



Manufacturer Symbol  
制造商代号



Warning Symbol  
警告符号



CE Mark  
标记



WEEE



SN

### FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.