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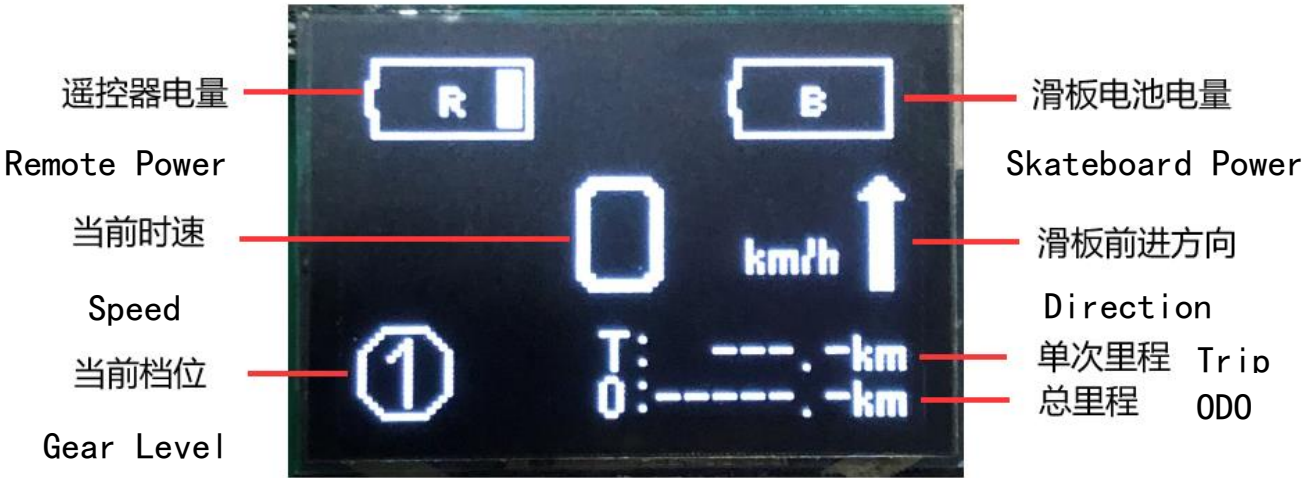
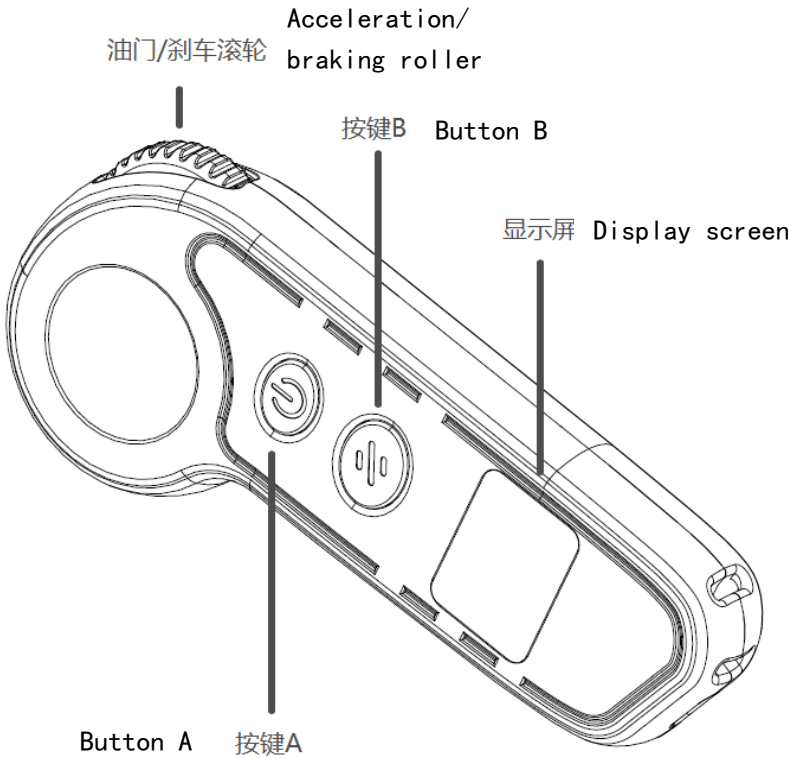
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01 产品规格 Product Specification

型号 Model	Remote for Skateboard ZYD7002
电池电压/容量 Battery voltage/capacity	3.7V/400MAH
充电接口 Charging interface	Micro USB
充电时间 Charging time	1H
通讯方式 Communication mode	2.4G
遥控距离 Distance of remote control	40m（空旷地带 Open area）
重量 Weight	--
适用电调 Applicable ESC	ESC-Skateboard-HW9005/HW9006

02 交互方式 Interactive mode

遥控器示意图：Diagram of remote control:



03 功能与操作说明：Function and operating instructions

- 1)

开机  
关机状态下，长按遥控器上“按键 A” 1 秒开机，遥控器短震一次，遥控器进入连接模式，OLED 屏根据连接状态显示主界面或未连接提示。再将滑板电源键短按 0.2 秒开机，进入连接模式。  
注：连接上后正常状态 OLED 屏显示主界面，滑板指示灯常亮。
- 1) Power on

Press “button A” on remote control for 1 second to power on. The remote control will vibrate shortly and enter into connection mode. OLED screen displays main interface or unconnected hint according to connection state. Then press the power button of skateboard for 0.2 second to enter into connection mode.  
Note: The normal state after connection is that OLED screen displays main interface and indicator light of skateboard is constantly on.
- 2)

关机  
手动关机：开机状态下，长按“按键 A” 2 秒关机（遥控器与滑板连接状态，且滑板有速度的情况下无法进行关机操作），遥控器短震一次；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且处于连接状态，遥控器屏幕提示未连接，且遥控器短震一次作为提醒。在连接状态下遥控器关机后，滑板开始主动刹车，滑板静止 5 分钟后自动关机。  
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。
- 2) Power off

**Manual off:** Press “button A” for 2 seconds to power off (The skateboard cannot be powered off under speeding). The remote control vibrates shortly, press power button for 1 second to power off.  
Note: If the skateboard is powered off but the remote control is not powered off and in the state of connection, the screen of remote control displays not connected, and the remote control vibrates shortly to remind. If the remote control powers off in the state of connection, the skateboard will start to brake and power off after 5 minutes of standstill.  
**Automatical off:** The remote control and skateboard will power off automatically if not being operated within 5 minutes, if the skateboard is at rest.
- 3)

连接配对（出厂已配对好）  
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，滑板指示灯红快闪，提示进入配对状态，再长按遥控器“按键 A” 5 秒，屏幕出现配对提示，表示进入配对模式，遥控器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，

配对成功后滑板指示灯红灯长亮，配对成功即可使用。**遥控器在配对后需选择速度、里程单位及电机直径，具体操作方法：按键 B 切换选项，按键 A 确认。第二项电机直径选择完后遥控器直接进入主功能界面。**


备注：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) **Connect and match(Have been matched well after leaving factory)**

Both of remote control and skateboard are powered off, first press switch button of skateboard for 5 seconds, the indicator light is red and flashes quickly, reminding enter into matching state, press “button A” for 5 seconds again, the screen displays matching and enter into matching mode. The remote control displays matching successfully, with two short vibration and once long vibration means completing matching. After that, the red indicator light of skateboard is constantly on and can be used. After matching remote control, need to select speed, mileage unit and motor diameter, detailed operation method. Button B to switch option. Button A to confirm. The remote control will enter into main function interface after the second motor diameter chosen.



4) **电量指示**

遥控器电量指示：遥控器有 5 格电量指示。遥控器开机后，若遥控器电量检测低于 10%（最多够用 30 分钟），遥控器屏幕提

示电量低于 10%，且伴随双长震 1 次。当电量仅剩约 5%（够用 15 分钟左右），遥控器再次提示电量低于 5%，


且伴随双长震 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。


滑板电量指示：滑板有 5 格电量指示。滑板电量低于 25%时，遥控器屏幕提示滑板电量低于 25%，且伴随双长震一

次，滑板电量低于 10%时，遥控器再次指示滑板电量低于 10%，并伴随双长震一次，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。

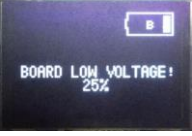
4) **Battery indicator**


**Battery indicator of remote of control:** There are 5 grid power. After power on, if the battery of remote of control is less than 10%(It can be used for 30 minutes at most), the screen of remote control indicates that the power is less than 10%, with

a double long vibration.When the battery is only 5%(It can be used for 15 minutes). The remote control

reminds the battery is less than 5% again, with a double long vibration.When the battery is lower than safe voltage(3.4V) and connected with skateboard, if the skateboard stops, the remote control vibrates once and powers off automatically.

Battery indicator of skateboard: There are 5 grid power. When the battery of skateboard is lower than 25%, the screen of

remote control indicates the battery is lower than 25%, with a double long vibration.When the battery of skateboard is lower than 10%, the remote control will indicates the battery is lower than 10%, with a double long vibration.

When the voltage is lower than safe voltage, close power output, brake immediately at this time.

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。开机时油门未回中屏幕提示回中，如图例：

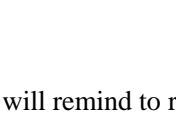


请按提示操作。

5) **Throttle/Brake control**

Push forward “finger dial of throttle” to control forward. Pull backward “finger dial of throttle” to control brake.

Make sure the finger dial of throttle is in neutral position before power on, or else it will affect the use experience. The screen



will remind to return throttle in neutral position if it is not when power on. Please operate as per instruction.

6) **滑板方向切换**

前进状态下，双击“按键 B”，遥控器短震一次（短震 100 毫秒，下同），屏幕方向图标变为“后退箭头”；

后退状态下，双击“按键 B”，遥控器短震一次，屏幕方向图标变为“前进箭头”。

注：此操作只在油门推杆在中点位置（零油门）且速度小于 3km/h 时才有效。

6) **Switch direction of skateboard**

In the state of forward, double click “Button B”, the remote control will short vibrate once(short vibrate for 100ms, the same below), the direction icon changes to “Backward arrow”;

In the state of backward, double click “Button B”, the remote control will short vibrate once, the direction icon changes to “Forward arrow”.

Note: This operation will be valid when the throttle trigger is in neutral position(zero throttle) and the speed is less than 3km/h.

7) **挡位切换**

短按按键 B 一次，遥控器切换至下一挡位，且伴随一次短震，屏幕档位图标相应变化。

注：此操作只在油门推杆在中点位置（零油门）时才有效。

9) **Gear switch**

Short press button B, the remote control switches to the next gear, with a short vibration. The gear icon will change accordingly.

Note: This operation will be valid when the throttle trigger is in neutral position(zero throttle).

8) **充电**

① 遥控器充电：遥控器连接充电后，遥控器短震一次，遥控器屏幕以流水灯形式实时显示充电进度；

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后自动关机。

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。

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。

11) **Charging**

① Charging remote control: When charging the remote control, it vibrates short. The remote control screen displays the charging progress in real time in the form of flowing water light;

Note: It can not be operated when charging the remote control. It will automatically power off after unplug the charging wire and short vibrate once.

② Charging battery of skateboard: When power off, the skateboard enters into charging state automatically if connects the charger. The red indicator light is on. When power on, connect the charger to enter into charging state, the red indicator light is on, it will automatically power off after unplug the charging wire.

Note: When in the state of charging, part of motor and ESC will stop working if the skateboard is not connected with remote control, or does not accept operation instruction.


04 故障警报说明：Malfunction warning instruction:

1) **电池过压警报**

当电池充电过满或者满电下坡导致滑板电池电压超过正常值时，将触发电池过压警报。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



遥控器会振动及屏幕警示

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。


2) 信号丢失警报



当信号突然丢失时，遥控器屏幕提示已断连，并伴随短震一次，

若滑板正在进行加速操作，首先加速会慢慢停止，然后自动缓慢刹车；若没有进行加速操作，滑板将缓慢刹车。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短震一次，缓慢刹车取消，立即恢复正常操作。


3) 堵转警报



当电机堵转或完全卡死时，遥控器持续间歇式的短震，遥控器屏幕提示电机发生堵转。

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。


4) 过热警报



当电机运行温度高于 100° C 或低于 0° C 时，遥控器震动一次，遥控器屏幕提示过温，电机将停止工作。

注：使用者应留意电机温度，当电机温度运行偏高时，使用者应停止使用，待温度降低后再使用。

5) 过流警报



当电机运行运行电流超过允许值，遥控器屏幕提示过流，电机将停止工作。

注：关闭滑板重新开机，电流恢复正常时方可使用。

1) Overcharge (when going downhill with a fully charged battery)


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 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.

2) Signal loss warning



When the signal is lost suddenly, the screen of the remote control indicates disconnection, with a short vibration.

If the skateboard is accelerating, first the acceleration will stop slowly, then brake slowly automatically. If the skateboard is not accelerating, it will brkae slowly. If the signal is lost, the remote control will search the device of skateboard, if it succeeds in searching and reconnecting, the remote control will short vibrate, the brake will be cancelled and return to normal operation.

3) Lock-up warning

When the motor is lock-up or completely struck, the remote control will short vibrate continuously and intermittently,




the screen of remote control indicates lock-up.

If that happens, the user should stop running skateboard and check whether there is foreign matter struck in it, clear the foreign matter and run it again.

4) Overheating warning

When the operating temperature of motor is higher than 100℃ or lower than 0℃, the remote control vibrates and the screen




Indicates overheat and the motor will stop working.

Note: The user should pay attention to the temperature of motor. Stop using if the operating temperature of motor is high, reuse after the temperature reduces.

5) Overcurrent warning

When the operating current of motor exceeds the value allowed, the screen of remote control indicates overcurrent, the motor



Stops working.

Note: Close the skateboard and repower on. It can be used after the current returns to normal.

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.

NOTE: 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 u sed in portable exposure condition without restriction