



# Remote VX1 product manual

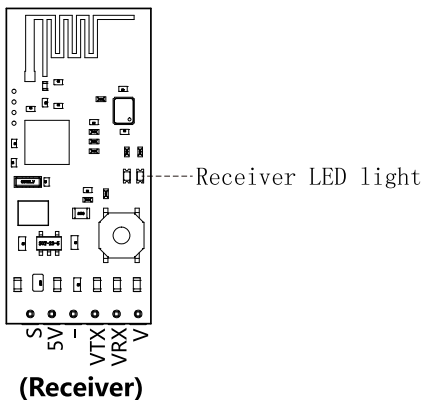
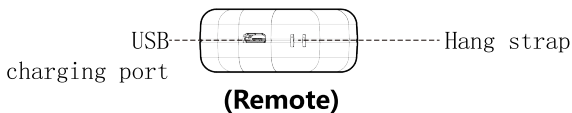
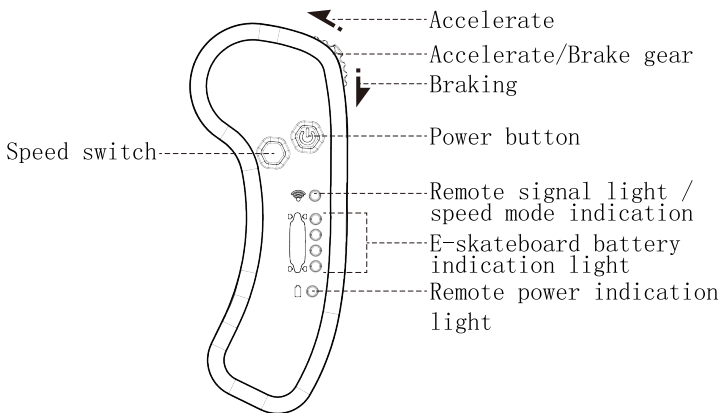
Thank you for purchasing this product!

Improper operation may result in useless or even damage to the product. We strongly recommend that you read this manual carefully before using this product and strictly follow the prescribed operating procedures.

We are not responsible for any liability arising from the misuse of this product, including but not limited to liability for direct or indirect loss or damage; And we do not assume any liability for unauthorized modification of the product. We reserve the right to change product design, appearance, performance and usage requirements without prior notice to the buyer.



## 01 Introduction



## 02 Wiring diagram

Diagram of receiver connection with VESC

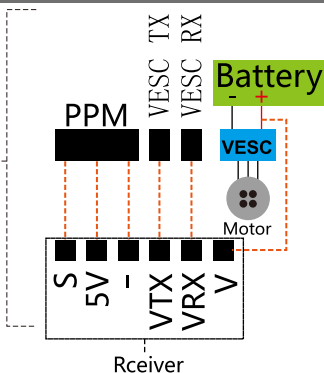
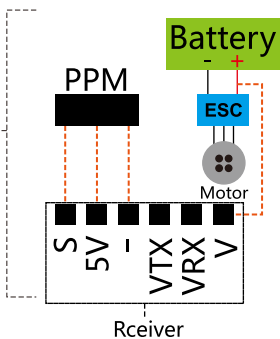


Diagram of receiver connection with other ESC



## 03 Operation Manual

### 1 Power on/off

1> Press power on/off button for 1 second to turn on and the remote shakes at the same time; after power on, press power on/off button for 2 seconds to shut down, and the remote shakes at the same time.

2> Remote will power off in 10 minutes without any operation, except for cruise control mode.

### 2 How to Pairing?

**The remote will not work unless it's paired with the receiver .**

How to pairing?

Step1, Power on remote, move close to the skateboard(power off status!!) in 0.3m distance.

Step2, Press remote power on/off button and speed switch button at the same time for 3seconds, then loose your finger, the remote will shake and the red signal LED light is blinking, it indicates pairing status.

Step3, Power on skateboard, check the remote signal light is on status, then test the remote, if the skateboard is working, then pairing succeed.

If the signal light is blinking, pairing failed, retry all steps from the beginning.

### 3 Connection Status

The remote signal light shows connection status

Red light always on --- good signal

Red light quickly blinking ---bad signal

Red light blinking regular ---No signal

## 4 Acceleration / Brake/ Switch speed mode

Push the acceleration/brake gear forward, then speed up. Push it backward, then braking .

Switch speed mode: Keep the acceleration/brake gear default or original status, press the speed switch button to different speed mode, remote signal light shows the mode.

High speed -- red light

Medium speed -- orange light

Low speed -- green light

**Notes: the remote is default set in high speed mode after powering on.**

## 5 Reverse control

**Condition : the remote receiver communicates with VESC using UART**

Pull the braking gear to max braking location, quickly press the speed switch button, the remote will shake, then reverse function set.

## 6 How to set Cruise mode?

Push the accelerate gear to a speed that you like , then shortly press the power button,remote will vibrate one time, then your electric skateboard is in cruise mode;

Press any button to exit cruise mode.

## 7 How to set battery data ?

The remote is default setting for 10S battery volume indication, if your battery is not 10S, It also supports 6S/8S/12S Battery. Here is setting instruction:

Step1: Press the speed switch button for 2S , the receiver LED light is blinking. Then it's in setting mode,

Step2: then quickly press the speed switch button to change the setting , the skateboard battery LED light is blinking, in setting mode,

6S: 1 LED blinking

8S: 2 LEDs blinking

10S: 3 LEDs blinking

12S: 4 LEDs blinking

Step3: choose you wanted one, then press the speed switch button for 2seconds, exit the setting mode.

**Reminds: if the remote didn't get feedback data, the skateboard battery indication lights are all off. Then retry it from the beginning.**

## 8 Electric skateboard battery volume light Indication

Remote Battery indication 4 lights on , battery volume > 75%-100% ,

Remote Battery indication 3 lights on , Battery volume > 50%-75%

Remote Battery indication 2 lights on , Battery volume >20%-50%

Remote Battery indication 1 light on , Battery volume >10%-20%

Battery volume <10%, the last red light is blinking.

If all the four battery indication lights are not on, the receiver is not collected with remote.

## 9 Remote power indication

Power>10%, green light on

**Power <10%, green light blinking (less power, the remote will shake more times)**

When the remote is in power-off charging status, the remote power indication light is red, after full charged, the red light is off.

When the remote is in power-on charging status, if the power volume <10%, the remote power indication light is red-orange switching; if the power volume >10%, the remote power indication light is orange; after full charged, the remote power indication light is green.

## 10 Check the remote battery volume

Quickly press the power button twice to check the remote battery volume, the e-skateboard battery indication lights shows remote battery volume status. After showing 2S, the light shows the e-skateboard battery volume.

E-skateboard Battery indication 4 lights on , remote battery volume > 75%-100% ,

E-skateboard Battery indication 3 lights on , remote battery volume > 50%-75%

E-skateboard Battery indication 2 lights on , remote battery volume >20%-50%

E-skateboard Battery indication 1 light on , remote battery volume >10%-20%

E-skateboard battery indication 0 light on, pls go to above Item 9 for reference.

**Notes: If the remote battery is lower than 2.8V, remote will power off .**

