

Special Note:

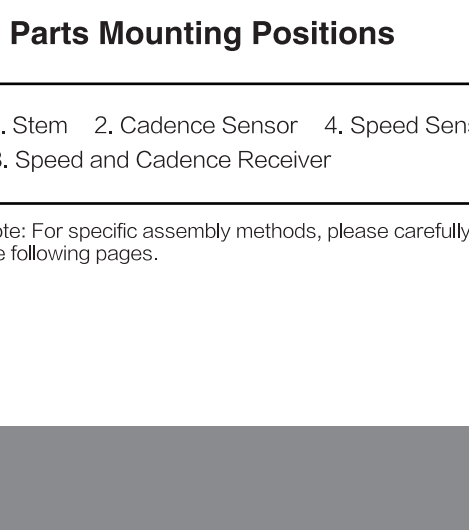
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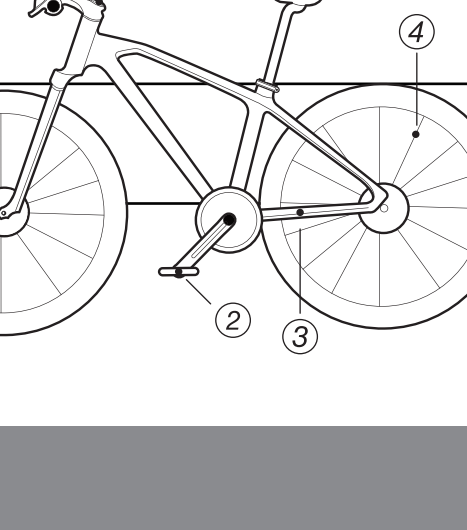
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1.1 Parts Description

1. Stem 2. Speed and Cadence Receiver
3. Battery 4. Cadence Sensor 5. Speed Sensor
6. Stem Bottom Cover 7. Stem Cap

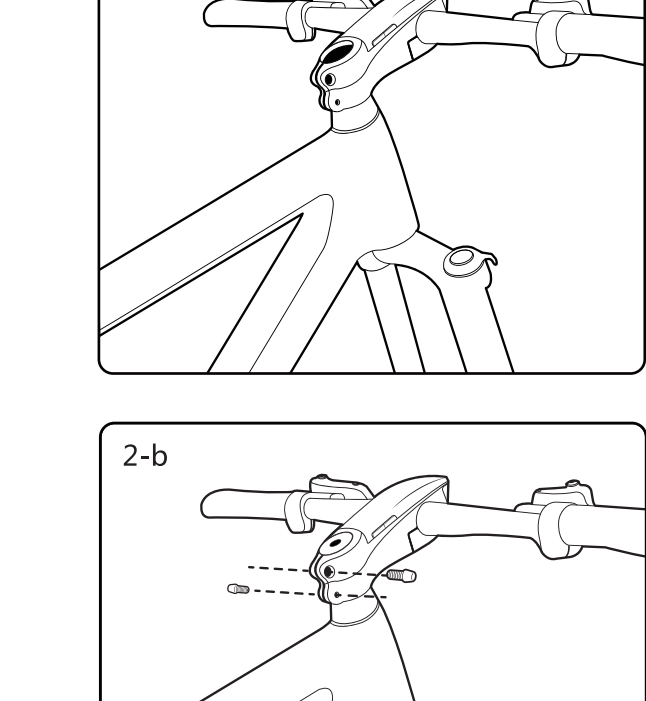
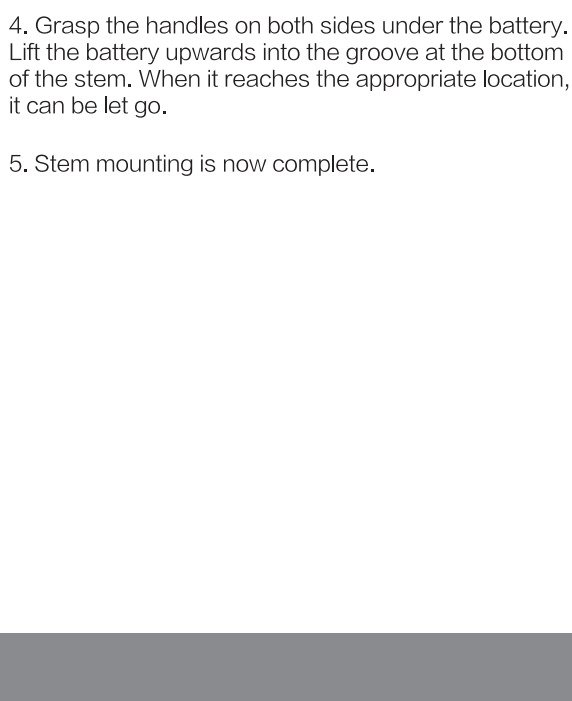


8. Ties 9. Rubber Pad 10. USB Charging Cable
11. Screws
12-13. Allen Wrench

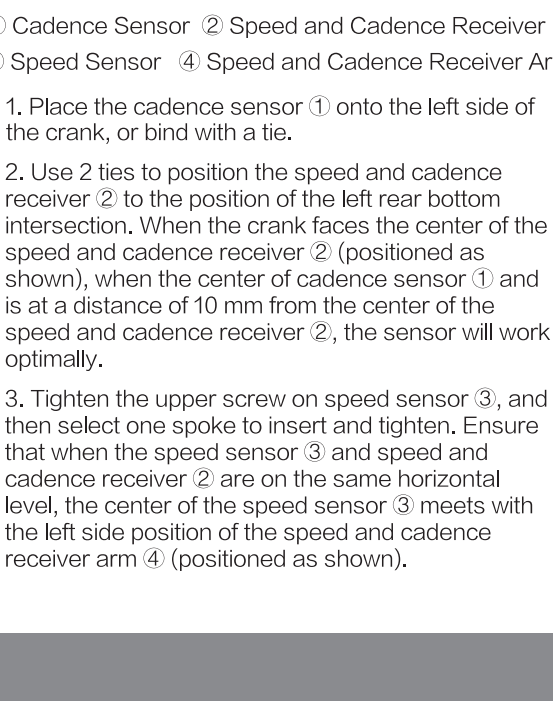
1.2 Parts Mounting Positions

1. Stem 2. Cadence Sensor 4. Speed Sensor
3. Speed and Cadence Receiver

Note: For specific assembly methods, please carefully read the following pages.

**2.1 Stem Mounting**

1. Slightly tilt the stem upwards, exposing the groove at the bottom. Then, place the handle bar into the groove. Set the bottom cover of the stem into the gap, ending the handle bar. Screw the 4 large screws starting from the upper left, lower right, upper right, and then lower left. After adjusting the angle between the stem and handle bar, tighten the screws.
2. Align the stem with the front fork head tube, place the front fork head tube and lock the front fork in place. Then place two small screws into the tail end of the stem and tighten them.
3. After tightening all screws, check whether the front fork shakes upwards and downwards. If it does, please adjust accordingly.

2.2 Other Parts Mounting

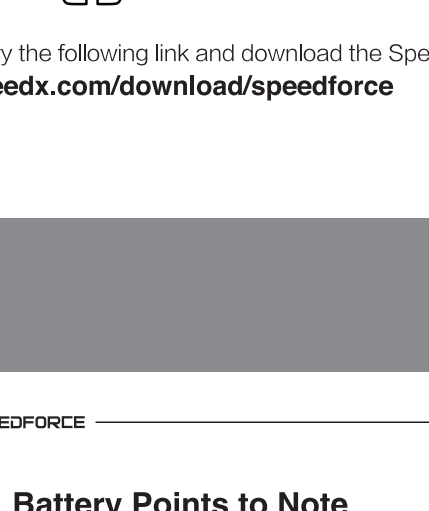
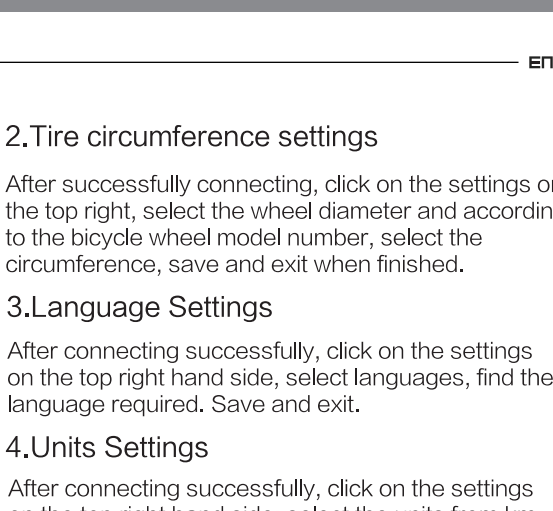
1. Cadence Sensor 2. Speed and Cadence Receiver
3. Speed Sensor 4. Speed and Cadence Receiver Arm
1. Place the cadence sensor (1) onto the left side of the crank, or bind with a tie.
2. Use 2 ties to position the speed and cadence receiver (2) to the position of the left rear bottom intersection. When the crank faces the center of the speed and cadence receiver (2) (positioned as shown), when the center of cadence sensor (1) and is at a distance of 10 mm from the center of the speed and cadence receiver (2), the sensor will work optimally.
3. Tighten the upper screw on speed sensor (3), and then select one spoke to insert and tighten. Ensure that when the speed sensor (3) and speed and cadence receiver (2) are on the same horizontal level, the center of the speed sensor (3) meets with the left side position of the speed and cadence receiver arm (4) (positioned as shown).

3.1 Power-On and Standby

1. When the battery is inserted into the stem, SpeedForce is activated automatically and will turn on.
2. 5 minutes after the ride stops, SpeedForce enters into hibernation and will remain in standby.
3. When riding signals are input or any key is pressed, SpeedForce will be restored to the pre-hibernation mode, and the pre-hibernation data will be recorded.

3.2 Battery Charging

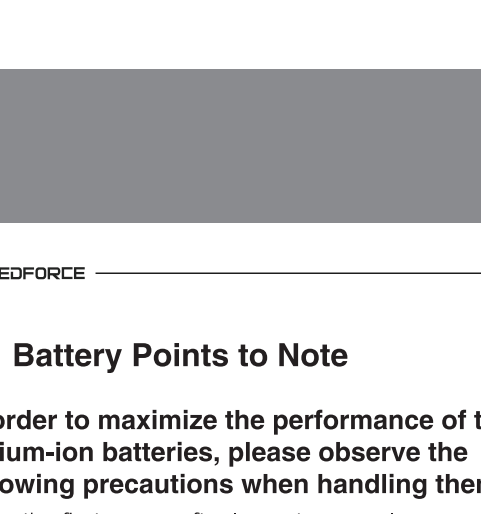
1. Pull out the battery from the bottom of the stem. Lift up the bottom waterproof rubber cover. Insert the battery charger.
2. The red indicator light and the green indicator light will simultaneously light, showing that the power is connected.
3. When the green light turns off, and the red LED remains lit, charging is completed.
4. After charging is completed, unplug the charger, and replace the waterproof rubber cover

**3.3 Keys Description**

1. Press and hold the headlight control switch, short press to control the screen backlight
2. Enter and menu key
3. Down key
4. Up key

3.4 Basic Settings**1.Connecting the Beast Ride APP**

When turned on, first press the bottom left button, then press the button to switch to the Connection Page, then select the phone option, press the bottom left button, SpeedForce will enter mobile phone Bluetooth search status. At the same time turn on Bluetooth on the mobile phone and start the Beast Ride APP. Find the Me page, go to My SpeedForce. The APP can automatically search for and connect to SpeedForce.



Entry the following link and download the SpeedX apps.
speedx.com/download/speedforce

2.Tire circumference settings

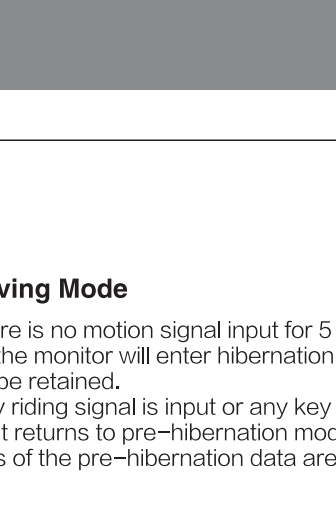
After successfully connecting, click on the settings on the top right, select the wheel diameter and according to the bicycle wheel model number, select the circumference, save and exit when finished.

3.Language Settings

After connecting successfully, click on the settings on the top right hand side, select languages, find the language required. Save and exit.

4.Units Settings

After connecting successfully, click on the settings on the top right hand side, select the units from km (1000 m) or miles. Save and exit.

**4.1 Battery Points to Note**

In order to maximize the performance of the lithium-ion batteries, please observe the following precautions when handling them:

- For the first use or after long storage, please recharge the battery.
- Each battery has a self-discharge rate, and the battery voltage may, in the long term, decrease during storage.
- Please make sure the battery is fully charged before use.

Recharging Points to Note

- Please recharge the battery where the ambient temperature is between 5 ° C to 40 ° C.
- After confirming the battery is fully charged, disconnect the USB plug.
- Please clean the USB plug before charging. Do not subject the battery to vibration when charging.

Usage Points to Note

- If charged, discharged or stored at a high temperature, the battery will be damaged.
- Do not place the battery near heaters.
- If, when the battery charging situation is normal, the displayed time is still significantly shortened, then the rechargeable battery has aged and reached the end of its life cycle.

Storage Points to Note

- Please do not store the lithium-ion battery after it is fully charged.
- After exhaustion of the battery, store in a dry place.
- For long-term storage, charge the battery for 10 minutes every six months.

Power Saving Mode

- When there is no motion signal input for 5 minutes, the monitor will enter hibernation, RTC clock will be retained.

- When any riding signal is input or any key is pressed, it returns to pre-hibernation mode, and the values of the pre-hibernation data are recorded.

5.1 Malfunctions and Causes

Malfunctions	Cause of malfunction
The riding speed is always 0	The angle between the magnet and the sensor is not set properly
The numerical display is incorrect during usage	The set values are not aligned (such as a bicycle wheel circumference)
The display slow to respond	Working temperature is below 0 degrees, it will return to normal when the temperature is restored
Black screen	The temperature is too high, or it has been exposed to the sun for too long, store in the shade for a certain period and it will return to normal
Weak display	Poor battery contact or dead battery, check the battery installation or replace the battery
Digital display shows no video	Remove the battery, wait 10 seconds and then re-install

6.1 Restart SpeedForce

Use a pin to poke the hole between the left upper button and right lower button, SpeedForce will restart.

7.1 Product Specifications**MTB version**

Body dimensions: 166 × 50 × 62 mm
Display: 320 (RGB) × 320 pixels
Usage time: about 40 hours of continuous use
History recording: more than 180 days
Waterproof grade: IPX6
Wireless Communication: ANT+, Bluetooth
Mobile: Support, Android, iOS
Battery Type: Rechargeable lithium battery (~20 ~ 80 degree heat batteries, 1600 mAh)
Altimeter: Pressure altimeter
Receiving satellite: GPS
Stem parameters: EXT: 90mm + 7"

Fits front fork: Threadless riser $\varnothing$ 28.6mm
Fits handlebar: $\varnothing$ 31.8mm
Operating mode: Keypress
Body weight: 340 g

Road version

Body dimensions: 200 × 50 × 62 mm
Display: 320 (RGB) × 320 pixels
Usage time: about 40 hours of continuous use
History recording: more than 180 days
Waterproof grade: IPX6
Wireless Communication: ANT+, Bluetooth
Mobile: Support, Android, iOS
Battery Type: Rechargeable lithium battery (~20 ~ 80 degree heat batteries, 1600 mAh)
Altimeter: Pressure altimeter
Receiving satellite: GPS
Stem parameters: EXT: 110mm + 7"

Fits front fork: Threadless riser $\varnothing$ 28.6mm
Fits handlebar: $\varnothing$ 31.8mm
Operating mode: Keypress
Body weight: 350g

8.1 Friendly Reminders

- When riding, please do not focus entirely on SpeedForce, pay attention to safe riding.
- Please firmly attach the handlebar to the bicycle, and regularly check to establish whether it is loose.
- Please do not expose to sunlight long term.
- Please do not drop or disassemble SpeedForce, so as to avoid malfunction or damage.
- Please do not drop SpeedForce, so as to avoid malfunction or damage.
- When cleaning SpeedForce components, do not use thinner, benzene or alcohol.

Federal Communication Commission (FCC) Radiation Exposure Statement

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

FCC statements:

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes 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.