

VANMOOF

**Electrified S2 & X2**

*USER GUIDE / WARRANTY*

What's in the box:



CHARGER



PEDALS



ANTI-THEFT  
WHEEL NUT TOOL



ALLEN KEY #4 / #5



WRENCH 15



ANTI-THEFT  
TORX KEY T25 / T30



HEIGHT ADJUSTMENT  
SET



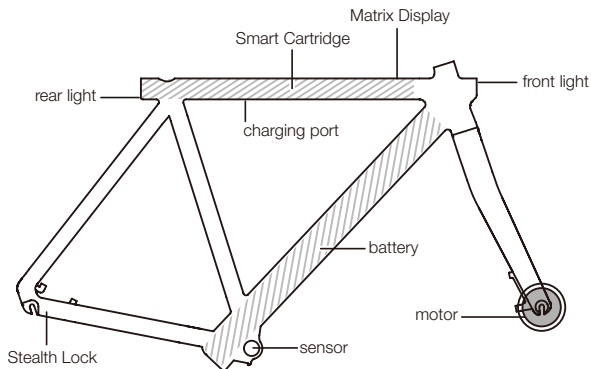
YOUR VANMOOF IS PACKED FULL OF FEATURES.  
MAKE THE MOST OF THEM BY DOWNLOADING  
THE SMARTPHONE APP.

[my.vanmoof.com](http://my.vanmoof.com)



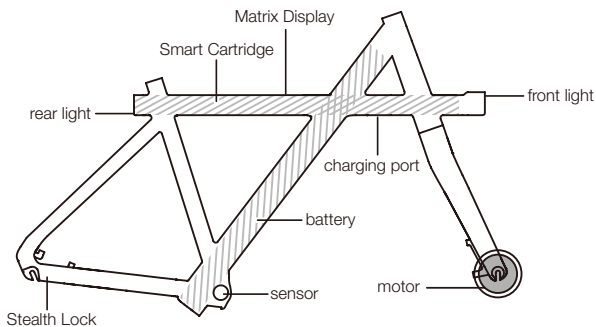
# Frame Components

## *Electrified S2*



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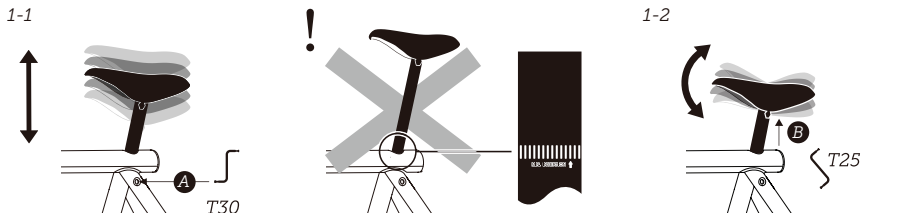
## *Electrified X2*



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# Assembling Your Bike

## 1 Adjust the saddle



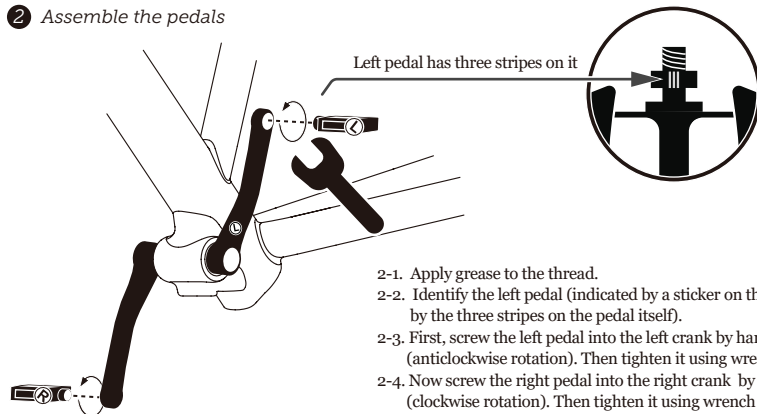
Adjust the saddle height by inserting the anti-theft Torx key T30 into Point A.

Make sure you don't exceed the maximum saddle height, indicated on the seat post.

Change the saddle angle by inserting the anti-theft Torx key T25 into Point B.

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## 2 Assemble the pedals

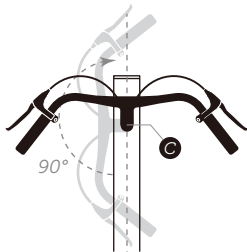


- 2-1. Apply grease to the thread.
- 2-2. Identify the left pedal (indicated by a sticker on the packaging, and also by the three stripes on the pedal itself).
- 2-3. First, screw the left pedal into the left crank by hand (anticlockwise rotation). Then tighten it using wrench 15.
- 2-4. Now screw the right pedal into the right crank by hand (clockwise rotation). Then tighten it using wrench 15.

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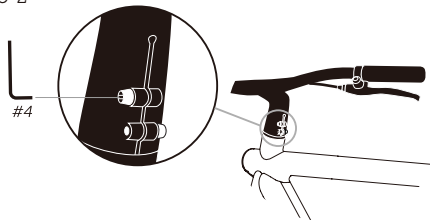
### 3 Adjust the handlebars

3-1



Rotate the stem 90 degrees clockwise so it is in line with the front wheel. Make sure the bolt (C) on top of the handlebar stays tightened (this one is pre-tightened at the factory).

3-2



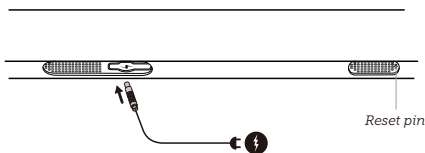
Now tighten the two bolts using the Allen key #4, making sure the stem stays in line with the front wheel.

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## First Time Use

### 1 Connect to your bike

1-1



The first time you ride, insert the charging plug or press the reset pin to wake your bike up (see page 15 for charging).

1-2



Open the VanMoof app to create an account and register the bike (if you haven't already). The app will automatically connect and guide you through setting a personal unlock code. For more information about the unlock code, see page 12.

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## Before You Ride

### 1 The left handlebar button



When you are riding, this button will sound the bell. When the bike is standing still and the app is connected, a long press will unlock the bike without entering your backup code (see page 11). After 5 minutes of standing still (unlocked) the bike automatically goes in power save mode. Press this button to wake the bike up.

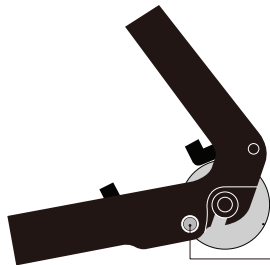
### 2 The right handlebar (Turbo Boost) button



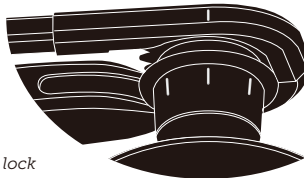
While riding, this button activates the Turbo Boost. The Turbo Boost increases the pedal assist power for as long as you hold the button, helping you to accelerate quickly. When standing still, this button changes the level of power assist (see page 14).

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### 3 Locking the bike



Push the Stealth Lock to lock

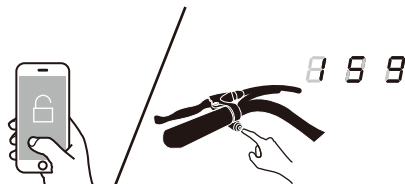


*Tip:*  
Before kicking the Stealth Lock, align the stripe on the chain-cover with one of the stripes on the rear hub. This ensures proper alignment of the locking pin with the lock ring.

To lock your bike, gently kick the Stealth Lock button near the left rear dropout. This automatically arms the alarm and powers down the bike's other functions.

#### 4 Unlocking the bike

4-1



When your phone is connected to your bike, press the unlock icon in the app or hold the left handlebar button to unlock your bike. You'll hear a sound that indicates the bike is unlocked. If your phone isn't connected, a long press on the left handlebar button will switch modes to let you enter your backup unlock code.

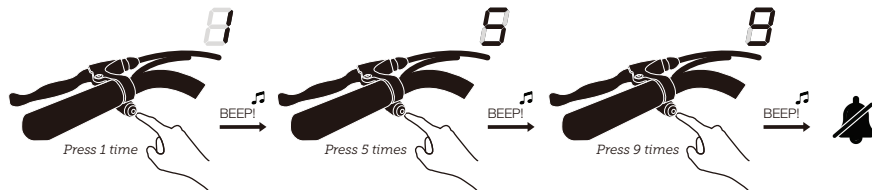
4-2



A 5-second timer will count down on the display. Within these five seconds, simply move your bike forwards or backwards to unlock it.

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#### 5 Input your unlock code



These images show you how to input your personal unlock code. You can choose this code when you set up the app for the first time – don't forget the number! Let's say your code is 1-5-9. Here's what to do:

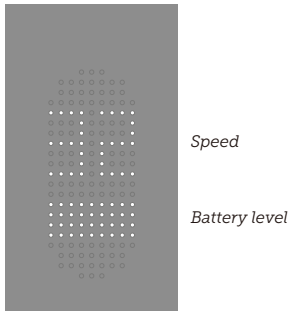
1. Hold the left handlebar button – this will switch to the backup unlock mode.
2. Enter the first digit of your code – in the example above that means pushing the button 1 time. You'll hear a beep as confirmation.
3. Enter the second digit of your code – pushing the button another 5 times. You'll hear a beep again.
4. Enter the third digit of your code – pushing the button 9 times. You'll hear a final beep.
5. After the last confirmation, move your bike forwards or backwards within 5 seconds – now you're ready to ride.

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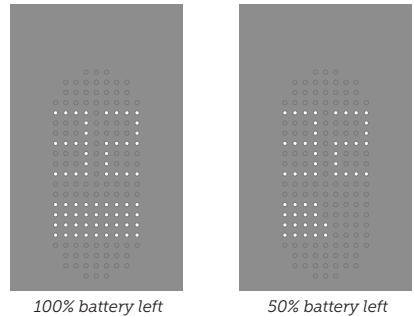


# Matrix Display

## 1 Riding mode

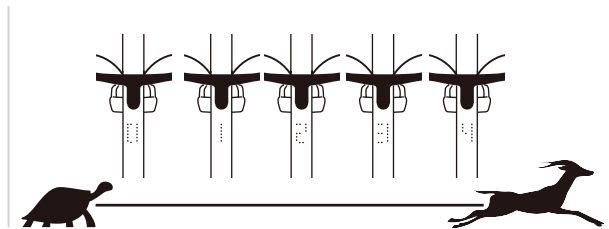
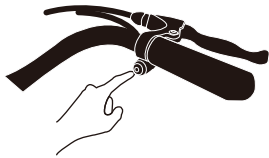


## 2 Battery charge levels



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## 3 Power assist level

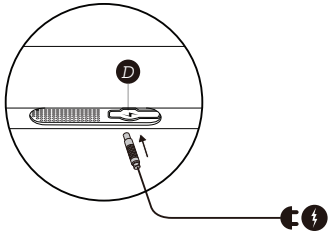


When the bike isn't moving, press and hold the right (Turbo Boost) handlebar button to cycle through the power levels 0-4. Release the button on the desired level to confirm the selection.

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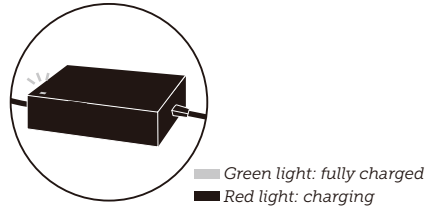
## Charging

1



Open the rubber cover (D) and gently insert the charging plug in the charging port.

2



Once it's fully charged the LED on the charger will change from red to green. It should take about 5 hours to fully charge the battery.

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## Charging tips

*Follow these simple tips to keep your battery running in perfect condition for longer.*

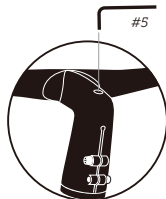
- Only use the official provided VanMoof battery charger.
- Charge the Electrified indoors, in a well-ventilated dry location (moisture and extreme temperature fluctuations can affect the charging process).
- The bike will charge best at temperatures between 0 C and 30 C.
- Place the charger on a hard surface and make sure it is never covered. Never place it on carpet or textile surface.
- Always keep the plug and connector free of dirt and moisture.
- Do not charge your bike if the charger or plug is damaged. If in doubt, contact us immediately.
- If you don't plan to use your Electrified for a long period of time, make sure the battery gets a full charge cycle every six months.

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## Optional: Handlebar height adjustment

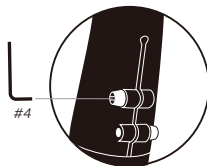
**1** Take the handlebar off the bike

1-1



Take off the plastic cap and remove the bolt on top of the handlebar using the #5 allen key. Make sure your bike is on the floor when you do this, so your front fork does not fall out.

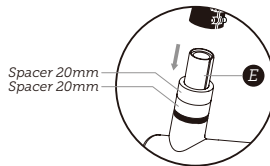
1-2



Loosen the bolts on the side of the handlebar using the #4 allen key.

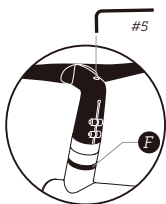
**2** Add spacers

1-3



Lift the handlebar up and off the stem. Make sure the sleeve (E) stays in position as you slide the spacers onto the stem. Now place the handlebar back on the fork stem.

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**3** Adjust headset

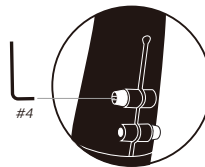
Place the bolt from step 1-1 back on top of the handlebar and tighten with the #5 allen key. Once the headset is adjusted, place the plastic cap back on top of the bolt.

**TIP:**

The handlebar should rotate freely and swing to either side. If it doesn't, you'll have to loosen the top bolt a little bit.

**TIP:**

To check for play, hold the front brake and place one hand on your headset (F), as you rock the bike forward and backward. If the headset is loose, you'll feel it – you'll need to tighten the top bolt a little.

**4** Tighten the bolts

Make sure the stem is in line with the front wheel. Tighten the two bolts on the side and make sure it is tightened properly.

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## Love Your Bike

These two simple tips will keep your bike riding happier, for longer.

### 1 Pump your tires



You'll be 15% more energy-efficient by keeping 3,0 Bar (35 Psi) of air pressure in your tires.

### 2 Lubricate your chain



Apply oil to your chain every two to three months to keep it running sweetly.

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## Compatible Accessories

### *Electrified S2*



This carrier has been designed to industry standards, so it fits almost all standard rear carrier bags.

It's strong enough to take loads of up to 15 kg.

### *Electrified X2*



This carrier is built from robust aluminum and wood.

It's designed to carry big bags (Max 10kg)



This carrier has been designed to industry standards, so it fits almost all standard rear carrier bags.

It's strong enough to take loads of up to 15 kg.

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## ⚠ WARNING

As with all mechanical components, bicycles are subjected to wear and tear, as well as high stresses. Different materials and components may fatigue in different ways. If the design life of a component has been exceeded, it can suddenly fail, possibly causing injuries to the rider. Any form of crack, scratches or change of coloring can indicate that the life span of the components has been reached and should be replaced.

## ⚠ WARNING

This bike is made to swiftly and stylishly move through the city. Do not use it for racing, mountain biking or for any other form of non-urban cycling. Understand your bike and its intended use; choosing the wrong bicycle for your purpose can be hazardous. Using your bike the wrong way is dangerous.

## ⚠ WARNING

Failure to confirm compatibility, properly install, operate and maintain any component or accessory can result in serious injury or death. Do not modify your bike frame or components in any way. Modifications can cause damage leading to an accident that can result in severe injury or death. Incompatible accessories or improper mounting of accessories can adversely affect the performance of your bicycle and may be unsafe.

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## ⚠ WARNING

Please note all the product specific demands for third party products you add to the bike. Child and baggage carriers add weight and raise the centre of gravity, affecting balance and making cornering more difficult. If you lose control, you and your child passenger can be severely injured or killed.

## ⚠ WARNING

Your bicycle must comply with your country's legal requirements when riding on public roads and in all conditions, including bad weather, night time, dusk or dawn. Many countries require specific safety devices. It is your responsibility to familiarize yourself with the laws of the country where you ride and to comply with all applicable laws, including properly equipping yourself and your bike as the law requires.

## ⚠ WARNING

Inspection and maintenance are important to the safety and longevity of your bicycle. Regularly check the brakes, tyres, steering and wheel rims. Any part of a poorly maintained bike can break or malfunction, leading to an accident resulting in serious injury or death.

## ⚠ WARNING

Riding in the city is hazardous. Failure to wear a helmet when riding may result in serious injury or death.

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## WARRANTY

VanMoof guarantees each new bicycle frame against defects in workmanship and materials for two years. All original components are also covered by warranty for a period of one year from the date of purchase. This warranty is expressly limited to the replacement of a defective frame, or defective parts and is the sole remedy of the warranty. This warranty applies only to original owners and is not transferable. Claims under this warranty must be made directly to the place at which you purchased the bike, and proof of purchase is required. This warranty does not cover normal wear and tear, improper assembly or follow-up maintenance, or installation of parts or accessories. The warranty does not apply to damage or failure due to accident, misuse, abuse, or neglect. Modification of the frame or components shall void this warranty. Your local VanMoof retailer shall not be responsible for incidental or consequential damages. Labour charges associated with parts changeovers are not covered by the warranty.

## DISCLAIMER

Under no circumstances, including, but not limited to negligence, shall VanMoof or any VanMoof distributor (seller) be liable for any special or consequential damages that result from the use of, or the inability to use, the materials in this manual, even if VanMoof has been advised of the possibility of such damages. Applicable law may not allow the limitation or exclusion of liability or incidental or consequential damages, so the above limitation or exclusion may not apply to you.

## ANY QUESTIONS?

Our team is here to help, 24/7. Bring your questions, big and small, to [support@vanmoof.com](mailto:support@vanmoof.com) and we'll have them answered in 24 hours. If you want to speak to a human, you can reach us by phone from anywhere in the world. If you have a VanMoof brand store in your area, you're more than welcome to drop by and chat to us in person – we'd love to meet you!

For full details on our brand stores and contact details, see

*[vanmoof.com](http://vanmoof.com)*

