



Thank you for choosing a Revelo FLEX,
the world's smartest folding and portable electric bike
that fits you and your lifestyle.

FLEX



2016 Manual

Warnings - Read This First
How To Assemble
Getting Started

Warnings - Read This First!



***The FLEX has unique characteristics that are different from a standard bicycle.
To avoid the risk of loss of control, injury or death follow these warnings.***



1. To prevent unexpected engagement of the motor when the battery power is ON, cut the power by keeping the red throttle button in the OFF (protruding) position or by squeezing on either brake lever.
2. Like all wired electrical devices, take extra caution in preventing wires from getting pinched, severed, or overly twisted as this may cause the bike to stop working.
3. Learn to ride the FLEX in a safe open area with a smooth surface that is away from other pedestrians and vehicles (eg. a vacant parking lot) before taking it into traffic.
4. The FLEX has immediate acceleration and nimble steering. Relax during acceleration and do not make twitchy steering adjustments. The FLEX will ride stably once rolling momentum is reached.
5. Never use the FLEX on steep hills and only go slowly downhill. The FLEX is NOT designed to coast freely at high speed like a standard bicycle.
6. Apply both brakes simultaneously to stop as you would a standard bicycle especially down hills.
7. Do not attach a front bicycle basket to the handlebars or dangle any bags/objects from the handlebar/stem unless they are designed to specifically work with your FLEX.
8. Do not use the battery surface as a rack to store items.
9. The total weight of the rider and backpack must not exceed 100kg (220lbs).
10. Do not ride on surfaces where the wheel or pedals could get caught (e.g. on train/tram tracks, or potholes) and do not ride directly into bumps or curbs.
11. Always ride with both hands on the handlebar grips. Always ride with your body centered and resting on the seat. Do not lean too far forward or backwards. Maintain a balanced, relaxed posture.
12. Always ride with your shoes resting on the pedals with the balls of your feet positioned over the pedal axle.
13. Wear a regionally certified, properly fitted bicycle helmet.
14. Do not wear clothes that could get caught in the wheel/spokes. For example, do not wear heels that could get caught in the spokes. Do not ride barefoot or with loose sandals.
15. Always make sure the stem, handlebar and seat are fully tightened by making sure the quick release levers are properly closed. The optimal closing pressure is one that leaves a small impression on the palm of your hand after closing.
16. Make sure the quick release lever for the folding hinge is securely closed. The optimal adjustment is one that provides a moderate "snap" when closing the lever.
17. Do not ride the FLEX in road traffic unless it is legal in your area and until you have become proficient with the operation and handling of the FLEX.
18. For night riding always have your front and rear lights on and wear reflective gear.
19. Tires should not be inflated past the recommended pressure that is marked on the sidewall.
20. Keep the FLEX well maintained by a qualified bicycle shop.
21. Do not do any stunt riding on the FLEX (eg. jumps, sharp turns, wheelies.)
22. Do not use on slick surfaces such as snow, sand, ice and standing water.
23. Obey all local and national traffic, insurance, registration, helmet laws and never ride while under the influence of drugs or alcohol.
24. The FLEX rides quietly and lower to the ground than other bikes so ride in a manner that allows you to be seen and heard by others.
25. Do not allow anyone else to ride your FLEX unless they follow all the guidelines of this manual.

How to Assemble

This guide provides the basic information to get you going quickly before you ride.

If you are unsure of any aspect of the FLEX and how to use it, please refer to our detailed manual online at www.revelo.ca.

Or, contact Revelo directly at support@revelo.ca or **1.888.504.3576**.



Due to possible last minute variances in manufacturing, some illustrations may not be exactly as shown.

Tools You Need *(included)*

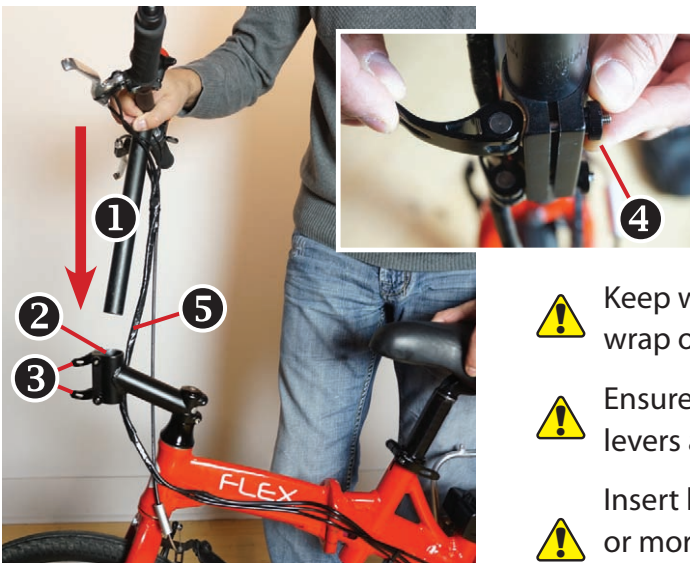


Wrench to attach front wheel

15mm wrench to attach pedals

4mm, 5mm and 6mm allen keys

Step 1: Attach Handlebar



Insert vertical handlebar post ① down into the stem ② so that the mirror is on the left side.

Tighten by closing both quick release levers ③.

If necessary, rotate the adjustment knob ④ clockwise to increase clamping strength and counter-clockwise to loosen.

For handlebar height refer to the "Rider Position" section.



Keep wiring ⑤ to the right side of the stem and ensure not to wrap or twist wiring.

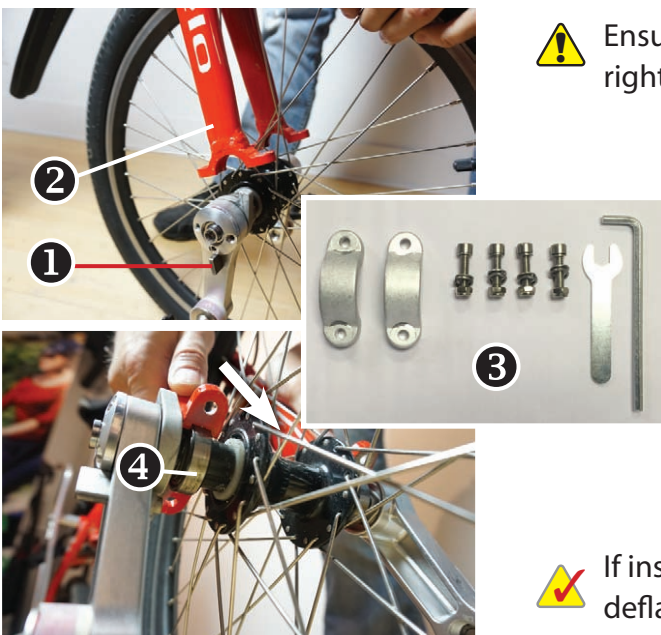


Ensure handlebar cannot twist or move after quick release levers are firmly closed.



Insert handlebar post to at least the bottom of the stem head or more. If the minimum insertion marking appears on the vertical post then insert the post deeper into the stem.

Step 2: Attach Front Wheel



Ensure that the swivelling crankarm ① is installed on the bike's right hand side.

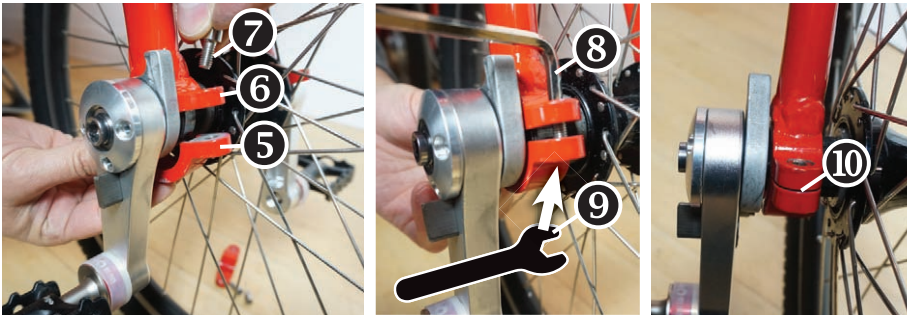
Attach the front wheel to the forks ② with the two bearing clamps and four supplied bolts and nuts ③. Use the included 5mm allen key and wrench.

Loosely position wheel between forks then using both hands grab forks and push firmly down to insert wheel between brake pads and onto the wheel hub ④.



If inserting the wheel past the brake pads is difficult, try deflating the tire first.

Step 2: Attach Front Wheel *(continued...)*



Attach bearing clamp ⑤ to the fork ⑥ using supplied bolts ⑦ and allen key ⑧. Use supplied wrench ⑨ to hold the bolt in place while tightening. Balance the gap between the clamp and fork ⑩.

⚠ Do not overtighten bolts.
Hand tighten only.

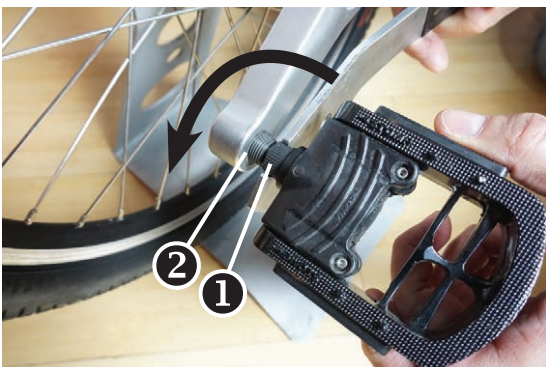
Step 3: Attach Front Brake



Pull brake cable noodle ① and slot the end cap ② through the opening of the cradle ③.

✓ See rear brake assembly for reference.

Step 4: Attach Pedals

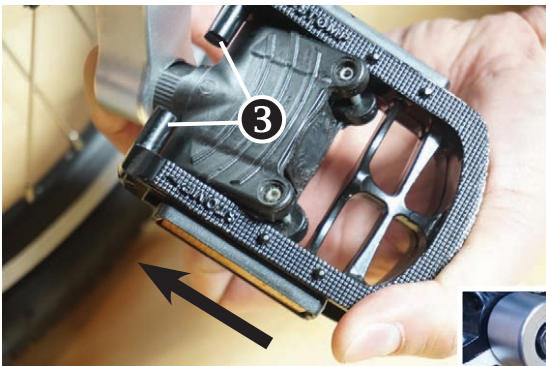


⚠ Left and right pedals are marked "L" and "R" and MUST be installed as labelled to avoid stripping the threads.

⚠ Pedals tighten opposite to each other. **The left pedal (L) tightens counter-clockwise.** The right (R) pedal tightens clockwise.

Left Pedal: Insert pedal axle ① into crank arm threads ② and turn axle *counter-clockwise*. Start by using fingers first then tighten with the supplied 15mm wrench.

Right Pedal: Insert pedal by turning axle *clockwise*.



Once tightened, push pedal inwards towards wheel to release locking pegs ③ then fold ④. Reverse procedure to unfold pedals.



✓ Always fold pedals for easier folding and compact storage.

Step 5: Attach Seat



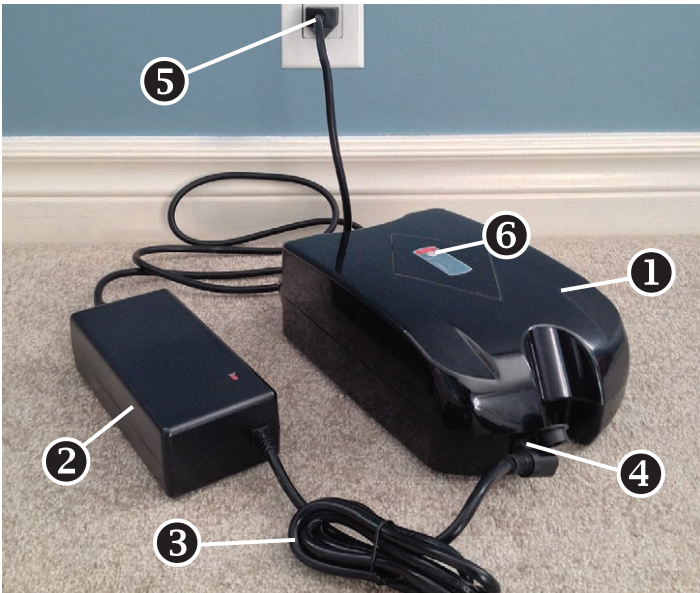
Ensure seatpost is inserted so that the minimum insertion line is not visible above the clamp.

Ensure seatpost clamp ① is open, then insert seatpost ② into frame ③. Tighten seatpost clamp so that the lever is folded over and closed. If necessary, rotate the adjustment knob ④ clockwise to increase clamping strength and counter-clockwise to loosen.

For seat height refer to the "Rider Position" section.

Getting Started

Step 1: Charge Battery



The FLEX comes with a battery ① and charger ②. Connect the charging plug ③ into the battery port ④ and plug the charger into any household outlet ⑤. Approximate time to charge from empty is 3 to 5 hours.

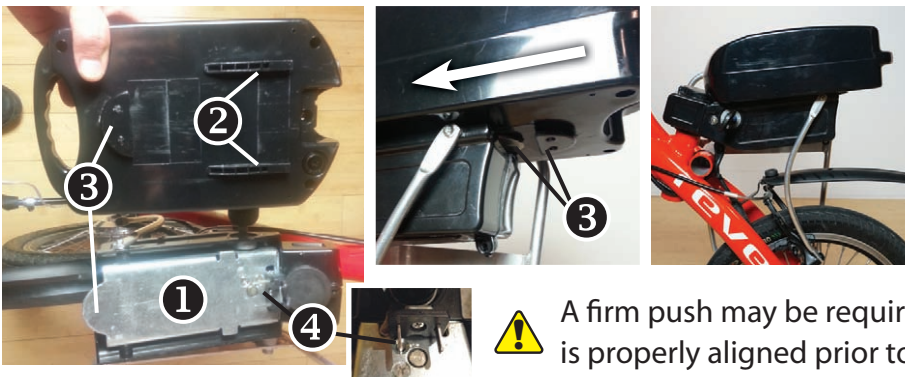


Always charge in a dry environment.

Avoid extreme temperature, moisture and humidity.

The top of the battery pack has LED indicator lights. Press and hold the battery power button ⑥ to check charge percentage. Charge percentage will also be reflected on the throttle (*see section on Using The Throttle*).

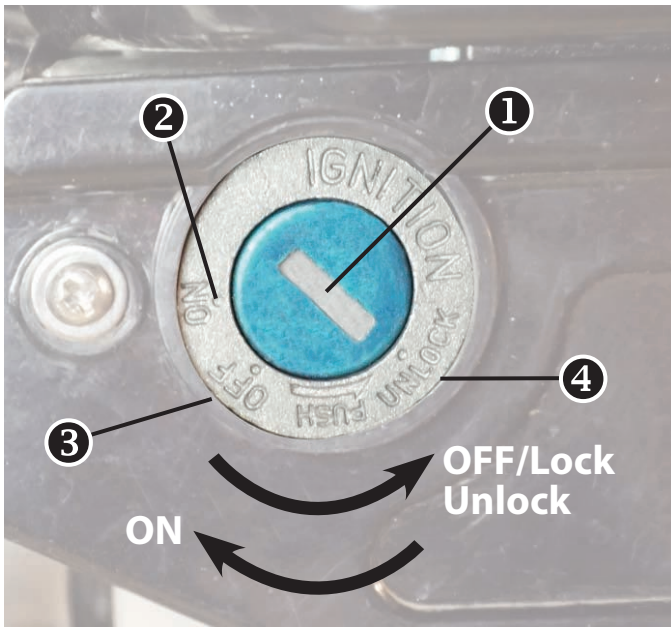
Step 2: Attach Battery



A firm push may be required to fully seat the battery. Check that it is properly aligned prior to applying any force to avoid damage.

Battery attaches to the metallic base ① along grooved edges ② and rear semi-circular flanges ③. Slide horizontally to connect to metal prongs ④.

Step 3: Powering the Battery On/Off



Power ON: Insert key into ignition slot ①. Turn key *clockwise* until it aligns with "ON" ②.

Power OFF/Lock: Turn the key until it aligns with "OFF" ③. You can remove the key from the ignition switch and the battery will remain locked to the bike. You can also charge the battery.

Power OFF/Unlock: Press the key *inwards* and then turn *counter-clockwise* to the "UNLOCK" position ④. Remove key from ignition switch. Grab the battery handle with one hand and tug backwards to remove.

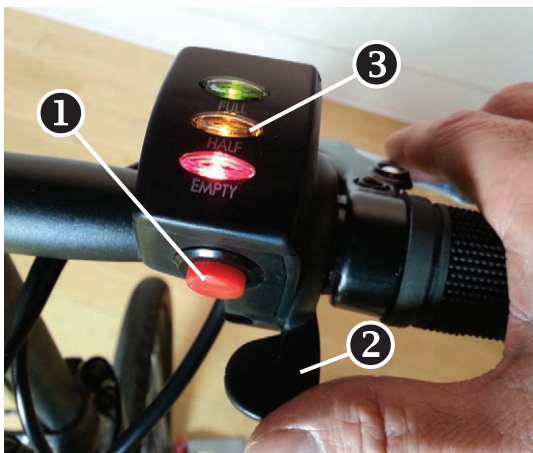


Never leave the ignition key in the bike unattended.



Do not travel with all your bike keys. Keep spare keys in a safe location.

Step 4: Using the Throttle



To prevent unexpected sudden acceleration, red throttle button ① must be in the OFF (protruding) position.

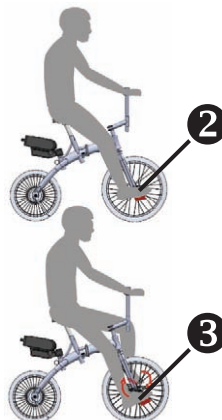
Once the battery is charged and attached to the bike, ensure that the key is turned *clockwise* to the "ON" position.

Press the red throttle button ① inwards to activate the throttle. The FLEX is now ready to be propelled by gently pressing down on the thumb paddle ②. Available battery charge is indicated by throttle LEDs ③.



Practise applying gradual pressure on the paddle to avoid sudden acceleration. For safety, remember that squeezing either brake lever at any time will cut power.

Step 5: Using the Dual Mode Crank (DMC)



The FLEX has a unique pedalling hub on the front wheel combined with a right-sided Dual Mode Crankarm (DMC) ① which allows you to dynamically alternate from Cruising ② to Pedalling ③ positions.

Step 5: Using the Dual Mode Crank (DMC) *continued...*



Cruising Position: In this mode the FLEX is propelled by throttle only and is the most common way to ride.

To engage cruising, press the button ① inwards on the right crank (see photo on previous page) and then turn the crank *counter-clockwise*. The DMC should naturally pivot down towards the ground until both feet can rest freely side-by-side at the same level ②.



Pedalling Position: Rotate the DMC *clockwise* until it locks into a position that is opposite to the left crank ③. You can also combine throttle power with pedal power.



FLEX is designed for transportation and is not intended to be used as a bicycle without electricity. Pedalling is best used to assist on steeper hill climbs. Pedalling can also be used in the rare situation when the battery has been fully depleted.

Step 6: Folding



Before any folding ensure power is OFF. During the “break-in” period, the folding hinge of the frame may exhibit some stiffness. This will improve quickly with regular use.

Twist the Handlebar: With the kickstand down, stand on the left side of the bike, release the stem’s quick release levers ① then drop the handlebar downwards towards the front tire ②. Twist the handlebar 90° clockwise or counterclockwise ③ then lock into place with levers ①.



Do not pinch or over-twist the cabling as this may cause the bike to stop working.

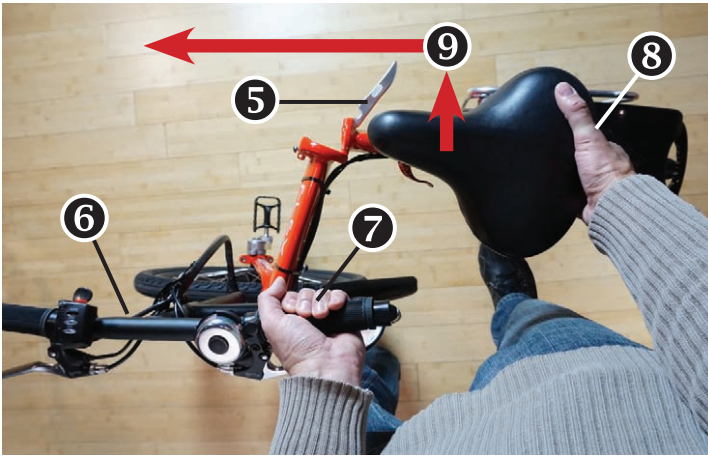


Folding the Frame: The FLEX frame is securely locked in place with a hinge clamp and lever. To unlock, first position yourself on the left side of the bike. Place the right palm of your hand over the frame lever ① and tuck your fingers under the lever ② and behind the locking tab ③. Push the tab straight forward towards the front of the bike and simultaneously pull the lever out away from the bike.



The hinge clamp is factory set for optimal clamping. Over time, if opening/closing the lever becomes difficult or loose, adjust the locking screw ④ behind the lever. Turn clockwise to loosen. Turn counter-clockwise to tighten. Optimal clamping is one that provides a moderate “snap”.

Step 6: Folding (continued...)



BEFORE FINAL FOLDING: Remove or lock the battery to its base. Ensure kickstand is up. Lower the seat as much as possible and tighten seatpost clamp. Disengage the DMC so that both pedals are situated down side-by-side.

Fold the left pedal. With the frame hinge clamp/lever open ⑤ and handlebar locked in a 90° position ⑥, place your left hand on the handlebar ⑦. Grasp and lift the rear of the seat ⑧ and pivot the frame ⑨ to draw the rear wheel towards the front wheel. **Rotate the right crank to ensure that the right pedal avoids contacting the rear tire.** The magnets will lock the fold in place for storage.

Step 7: Rider Position



Using the quick release clamp, adjust the seat height ① so that you can rest the balls of your feet on the pedals with your legs slightly bent ②. Legs should never be fully extended to reach the pedals. When stopped, you should be able to easily rest both feet flat on the ground.

Adjust the handlebar vertically so that arms are slightly bent ③. Arms should never be fully extended to reach the handlebar. Adjust the rear view mirror ④ so that you have a clear view of all traffic behind your left side.

Once the seat, handlebar and mirror have been adjusted, the rider should be able to sit in a relaxed, upright position ⑤, bent knees, and comfortably bent arms.



Practice test riding! Before taking the FLEX into traffic, test ride it in a safe open area with a smooth surface that is away from other pedestrians and vehicles (eg. a vacant parking lot).



The FLEX has immediate acceleration and nimble steering. Relax during acceleration and do not make twitchy steering adjustments. The FLEX will ride stably once rolling momentum is reached.

Thank you for choosing a Revelo FLEX. Enjoy your ride!

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