

# ***ULTRO***

## **ULTRO QUICK START GUIDE**

### **GETTING STARTED**

Thanks for purchasing an Aventon Ultro frameset. Ultro represents the pinnacle of our design for track and fixed gear racing, and it's the very best frame we could make. We know it will give you many years of high-performance riding. Please read this entire guide before building or riding your Ultro.

### **SPECIFICATIONS**

Ultro is designed for compatibility with modern track / fixed gear components. To complete assembly, you will need:

- Track / fixed gear wheelset with 100mm (front) and 120mm (rear) axle spacing
- Crankset/bottom bracket designed for a 68mm, English-threaded bottom bracket shell
- Stem with a clamp for a 1 1/8" threadless steerer tube

### **TORQUE**

Use a torque wrench designed for bicycles when assembling or adjusting your Ultro. Follow the torque guidelines printed on parts including but not limited to seatpost binder, stem pinch bolts, axle nuts, and bottom bracket cups.

### **EXPERT GUIDANCE NEEDED**

To get started riding Ultro, you'll need to assemble it into a complete bike using compatible parts. Assembling a complete bike from a frameset requires advanced expertise and appropriate tools. This quick-start guide is not an exhaustive list of all possible steps required. Please consult a qualified expert for assembly help.

### **ASSEMBLY TIPS**

- Never clamp carbon frame tubes in a bicycle workstand.
- Ultro uses a full carbon fiber frame and fork. Carbon parts require different care and assembly steps than metal components.
- Use carbon assembly compound or paste when assembling carbon-on-carbon surfaces (for example, the interface between the carbon wing seatpost and the frame.)
- Use a quality bicycle grease when assembling metal-on-metal surfaces (for example, installing threaded bottom bracket cups into the frame.)

### **FORK & STEM SETUP**

- Do not put a star nut into the carbon steerer tube. Use only the included compression plug with the Ultro.

- Framesets ship with a fork steerer tube long enough to accommodate different stems, headsets, spacers, and rider preference.
- Every fork included with a frameset needs to be cut to length as part of the assembly process. Use a blade designed specifically for cutting carbon in combination with an appropriate guide, such as the Park Tool SG-8 Saw Guide, to ensure an accurate, clean cut.
- When selecting a stem and threadless steerer tube spacers, do not exceed more than 30mm of spacers underneath the stem. If more than 30mm of spacers are required for rider fit, use a stem with a higher-rise angle instead, so that the spacer height is kept under 30mm. When assembling the fork/headset/stem, use a 5mm spacer above the top of the stem and below the headset top cap. Cut the fork to an appropriate length that accounts for the use of this spacer.

## SEATPOST BINDER

- Ultron uses an internal wedge seatpost binder. Tighten the 5mm hex bolt to 7NM torque. Do not over-tighten.

## MAINTENANCE AND SERVICE

Properly maintaining your Ultron ensures its longevity and smooth operation. If you have questions during the assembly process, please contact Aventon at (866) 300-3311 or email [info@aventon.com](mailto:info@aventon.com).

## SAFETY

Wear an approved helmet at all times when riding your bike. As a bicycle designed for dedicated use in controlled environments, Ultron does not have mounting points for front or rear brakes. You should ride only in locations specifically designed for fixed gear / brakeless riding, like a velodrome or closed-course fixed gear race. Ultron is designed with limited frame/fork clearance for aerodynamics; check carefully that your selected tires and rim combination clear the frame and fork before riding.

## WARRANTY

The Ultron carries a 5 year warranty for defects in manufacturing or craftsmanship. It does not cover damage from crashing, accidents, or errors in assembly. A qualified technician must assemble your Ultron for warranty coverage.

For a full copy of our warranty statement, please visit: <https://www.aventon.com/pages/warranty>