VELKYNE

USER GUIDE

RED CNC COMPUTER MOUNT, HEADSET CAP

Red anodised CNC aluminium plate, 22.5 g, that replaces the headset cap on top of the stem and brings the computer out ahead of it, with an adjustable angle. Interchangeable Garmin, Wahoo, Bryton and Cateye inserts. Fitting, headset adjustment, care and troubleshooting.



GARMIN, WAHOO, BRYTON, CATEYE AND COMPATIBLES · REPLACES THE HEADSET CAP · CNC ALUMINIUM, 82 MM, 4 MM, 22.5 G

01 · FITTING

CONTENTS, COMPATIBILITY, FITTING

In the box

- The CNC plate with its round base and countersunk bolt.
- The Garmin, Wahoo, Bryton and Cateye inserts, interchangeable, to match the plate to your computer.
- You need an Allen key, and a torque wrench if the stem or steerer is carbon.

Fitting, step by step

1. **Loosen the stem bolts** one or two turns, without removing them, then undo and remove the original headset cap.
2. **Set the base of the plate** in place of the cap, arm pointing forward in line with the bike, and start the countersunk bolt into the star nut or expander of the steerer.
3. **Adjust the headset.** Tighten the bolt gently, just enough to remove play: with the front brake held, rocking the bike back and forth does not knock, and the bar turns freely.
4. **Align the stem** with the front wheel, then retighten its bolts to the torque given by its manufacturer.
5. **Choose the insert** for your computer (see the table) and clip it into the plate. Set the angle on the side bolt, screen readable without lowering your head, then lock without forcing.
6. **Clip the computer on** with a quarter turn until it clicks. It should neither turn, nor lift, nor touch the bar or the cables.

Compatibility and insert

COMPUTER	INSERT
Garmin Edge	Garmin
Stages Dash, Sigma Rox, Hammerhead Karoo 2, Coospo, Xoss	Garmin
Wahoo, all series	Wahoo
Bryton, all series	Bryton
Cateye, compatible models	Cateye

Specifications

Material	**CNC aluminium, red anodised**	Size	**82 mm long, 37 mm wide, 4 mm**
Weight	**approx. 22.5 g**		

BEFORE YOU RIDE

- Headset adjusted: no knock under braking, steering free.
- Stem bolts retightened to torque, stem aligned.
- Computer locked, plate does not move by hand.

02 · DAY TO DAY

ADJUSTMENT, CARE, TROUBLESHOOTING

Why the headset matters

The plate bolt does not hold the plate: it sets the headset preload, as the cap did, and the stem bolts are what lock everything in place. Too loose, the steering knocks under braking; too tight, it turns stiffly and wears the bearings. On a carbon steerer, the bolt must not exceed the torque allowed by the expander.

Care

- Check the headset, the angle bolt and the insert **after the first ride**, then regularly.
- After rain or mud, wipe the plate: anodising does not mind water, but grit under the base eventually creates play.
- Changing computer means changing insert; check that the insert in use is neither cracked nor worn.
- If you remove the plate, refit the original cap and adjust the headset again.

If something goes wrong

SYMPTOM	LIKELY CAUSE	FIX
Steering knocks under braking	Not enough preload	Loosen the stem, tighten the bolt slightly, relock the stem
Steering is stiff	Bolt too tight	Loosen the stem, back off the bolt, relock the stem
Plate pivots on the stem	Stem bolts not tight enough	Align, retighten to torque
Computer will not lock	Wrong insert or tabs not lined up	Fit the insert from the table, line up, turn until it clicks
Plate moves on its angle bolt	Angle bolt loose	Set the angle, relock without forcing



The base of the plate replaces the cap; the computer sits ahead of the stem, bar free.

DON'T

- Never ride with the stem bolts loose: adjustment is done with the stem loosened, then the stem is locked again.
- Do not pull the computer upward to remove it: turn it a quarter turn the other way.
- Do not tighten a carbon stem beyond the torque given by its manufacturer.

On video

Independent tutorials on headset adjustment, scan to watch.

How to Fix a Bicycle Headset That Is Too Tight or Too Loose
BikesbyMike · English

How to adjust the headset in a threadless steerer tube
Bike Teacher · English

Need help?

velkyne.com/contact
Our team answers your questions about compatibility and fitting.

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