VELKYNE

USER GUIDE

CNC COMPUTER MOUNT, STEM CAP

CNC-machined aluminium alloy mount, black anodised, that replaces the stem top cap on the fork steerer and puts the computer right in front of the stem. Garmin, Bryton and Cateye inserts supplied, 22.5 g. This guide covers fitting without upsetting the headset, checking, care and troubleshooting.



GARMIN, WAHOO, BRYTON, CATEYE AND OTHERS · REPLACES THE STEM TOP CAP · CNC ALUMINIUM, ≈ 22.5 G

01 · FITTING

CONTENTS, COMPATIBILITY, FITTING

In the box

ITEM	DETAILS
CNC mount	Black anodised aluminium, 82 mm, 37 mm plate, 33 mm base, 4 mm thick
Inserts	Garmin, Bryton, Cateye: only one fits at a time
Steerer bolt	Replaces the original top cap bolt

Fitting, step by step

1. **Clip the insert** for your computer into the plate, notches in line: Garmin for Garmin, Stages, Sigma, Hammerhead, Coospo and Xoss; Bryton or Cateye for those brands.
2. **Loosen the stem bolts** a few turns, without removing them: the stem must be able to rotate.
3. **Unscrew the original top cap** and remove it with its bolt. Keep them: they go back on if you ever remove the mount.
4. **Set the mount** in place of the cap, plate facing forward, and start the supplied bolt into the star nut or expander in the steerer.
5. **Tighten the bolt gradually,** just enough to remove headset play: front brake on, rock the bike back and forth, nothing should knock, and the steering must turn without a tight spot.
6. **Line up the handlebar** with the front wheel, retighten the stem bolts to the specified torque, then clip the computer on with a quarter turn until it clicks.

Compatibility

Garmin insert	Garmin Edge, Stages Dash L200 and M200, Sigma ROX, Hammerhead Karoo 2, Coospo, Xoss
Bryton insert	Bryton Rider, all series
Cateye insert	Cateye, compatible models
Wahoo	ELEMNT, all series

WHAT HOLDS THE FORK

The **stem bolts** are what clamp the fork, never the mount bolt: it only sets the preload of the headset bearings. Never ride with loose stem bolts.

BEFORE FITTING

A conventional steerer with a top cap, reachable from above the stem, with a star nut or expander. Integrated cockpits with no top cap are not suitable. Have the stem's Allen keys to hand.

02 · DAY TO DAY

CHECKING, CARE, TROUBLESHOOTING

Checking headset play

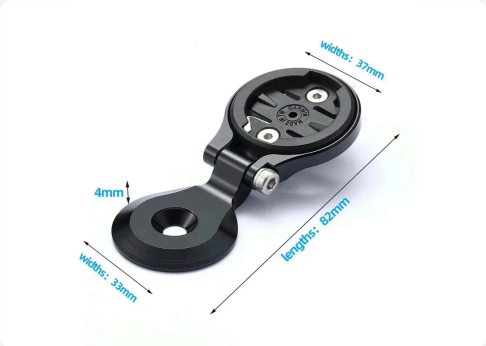
Front brake on, rock the bike back and forth: a dull knock means play. Lift the front wheel and turn the bar: it must turn freely, with no tight spot. In both cases, redo the adjustment from the start: stem bolts loosened first, mount bolt adjusted, stem bolts retightened to torque. Adjusting with the stem clamped damages the steerer.

Care

- Check headset play **after the first ride**, then regularly, as with any stem top cap.
- Check that the insert is neither cracked nor worn and that it does not develop play in the plate; wipe the mount after a wet ride.
- Anodising cleans with clean water: no degreaser or solvent.
- Keep the unused inserts: they come in handy if you change computer.

If something goes wrong

SYMPTOM	LIKELY CAUSE	FIX
Steering knocks under braking	Headset play: mount bolt not tight enough	Redo the full adjustment, stem loosened first
Steering catches, turns stiffly	Mount bolt too tight	Redo the adjustment, a quarter turn less
Mount rotates on the stem	Bolt loosened while riding	Redo the full adjustment; check again after the ride
Bolt does not bite in the steerer	No star nut or expander, or unsuitable bolt	Do not improvise: contact us
Computer will not lock	Wrong insert, or tabs not lined up	Check the insert, line up the tabs, turn until it clicks



82 mm long, 4 mm thick: the plate reaches out in front of the stem, the base takes the steerer bolt.

DON'T

- Never tighten the mount bolt with the stem clamped: it would pull on the star nut without setting the preload, and can rip it out.
- On a carbon steerer, respect the torque for the expander and stem bolts given by the manufacturer.
- Do not use the mount or the computer as a handle.

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 the compatibility of your stem and your computer.