

AR OPTICS — ADJUSTMENT GUIDE

Dial in a clear, complete picture

Attach the optics, then adjust their height and distance until all four corners of the display are crisp and complete. Ten minutes, one Torx screwdriver.



HOW THIS GUIDE WORKS

STEPS 1-2

• Attach and check

Seat the optics, then run the four-corner check — the test to repeat after every change.



→ STEPS 3-4

Fix what the check shows

Corners cut off → adjust the height (spacers). Corners faint or soft → adjust the distance (eye relief).



→ DONE

Recheck, then ride

When all four corners are crisp and complete, return to helmet pairing to read your code.

WHAT YOU'LL NEED

-  Aegis Rider Vision — powered on
-  AR Optics + the three spacer inserts
-  The included Torx screwdriver



DO THIS BEFORE PAIRING AR Optics work only with the Aegis Rider Vision. Helmet pairing reads a 6-digit code shown on the AR Optics display, so the optics must be attached and readable first.

1 • Attach the optics

MAGNETIC USB-C

The AR Optics attach magnetically behind the visor opening. A single golden magnetic USB-C contact carries power and data, so the module must sit squarely on it rather than offset.



1. **Power on the helmet** — press and hold POWER on the control sideboard.
2. Hold the module against the connector behind the visor opening and let the magnets snap it into place.
3. Gently nudge it left and right to confirm that the contact is fully seated. **The helmet detects the optics automatically and the display turns on.**

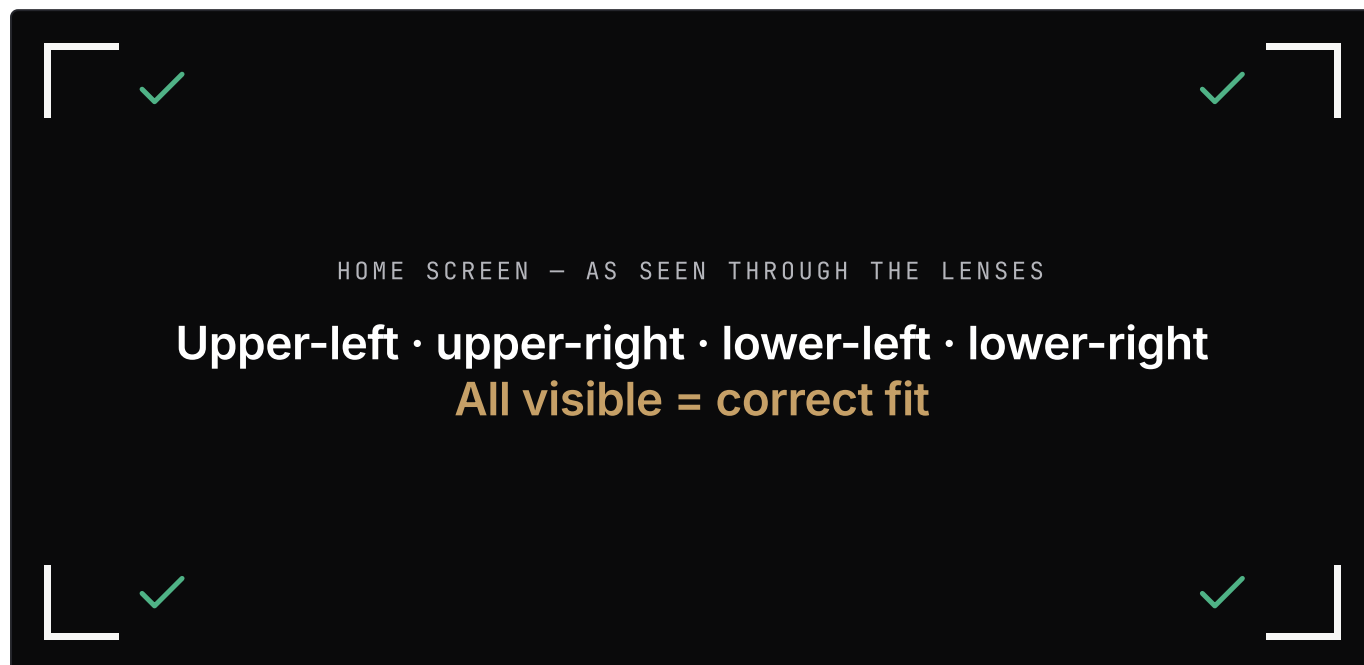


DISPLAY STILL DARK? Tap POWER once to wake the optics. The display turns on after approximately 6–7 s. **STILL DARK?** Detach and reattach the module so the contacts meet squarely, then check in AR Vision Companion that Brightness is turned up.

2 · The check: all four corners

YOUR TARGET

Before adjusting anything, learn what a correct fit looks like. **Put the helmet on and look at the home screen: all four corners of the display must be clearly visible.** Repeat this check after every adjustment.



— WHAT THE CHECK TELLS YOU

Top or bottom corners are cut off — the display sits too high or too low.

[→ STEP 3 · HEIGHT — P.04](#)

Your glasses frame intrudes into your view — the optics sit too far from your eyes.

[→ STEP 4 · DISTANCE — P.05](#)

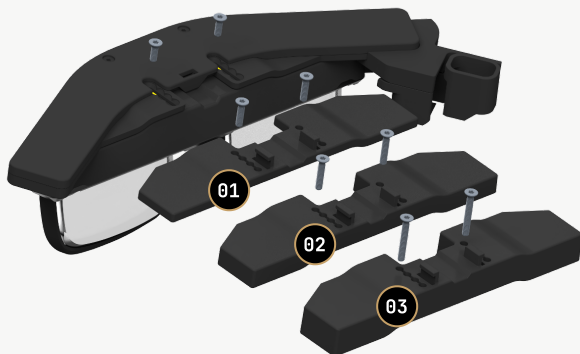
All four corners are crisp and complete — your optics are set.

[→ DONE — P.06](#)

3 • Set the height — spacers

FIX: CORNERS CUT OFF

Spacer inserts raise or lower the optics so the display lines up with your eyes. **Four settings: no insert, Thin, Medium and Thick. Medium comes pre-installed.**



01 • Thin 02 • Medium 03 • Thick Plus no insert = four height settings

TOP CORNERS CUT OFF? Fit a
↑ thicker spacer — the image moves down.

BOTTOM CORNERS CUT OFF? Fit
↓ a thinner spacer — the image moves up.

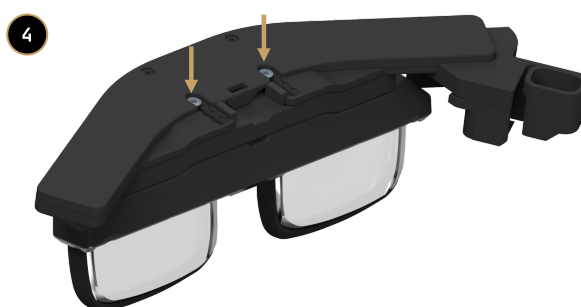
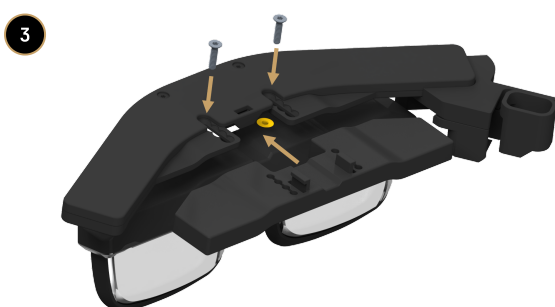
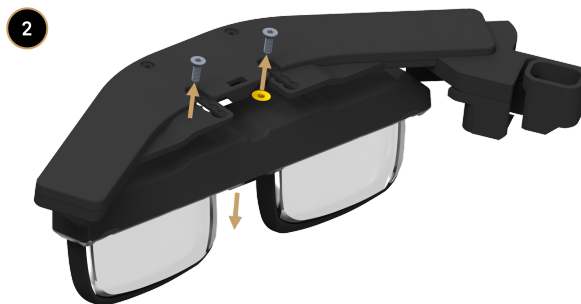
NONE

THIN

MEDIUM ●

THICK

● = pre-installed



CHANGING AN INSERT 1 • Start 2 • Remove the two screws and lower the lens unit 3 • Seat the insert 4 • Refit the screws



DO NOT SEPARATE THE TWO PARTS The magnetic attachment part and the lens unit are permanently connected by an FPC ribbon cable. Lower the lens unit only far enough to swap the insert, and never pull the parts apart.

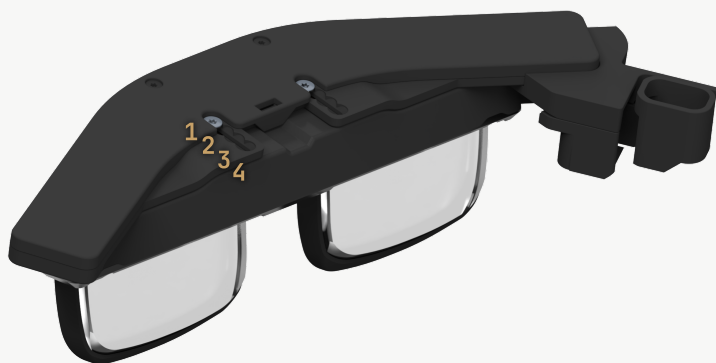


LOOP BACK Put the helmet on and run the four-corner check (page 03). Keep the spacer that brings all four corners into view.

4 Set the distance — eye relief

FIX: FAINT / SOFT CORNERS

Eye relief sets how far the optics sit from your forehead. Positions run from 1 (farthest) to 4 (closest). Closer is better: aim for the highest-numbered position you can wear comfortably.

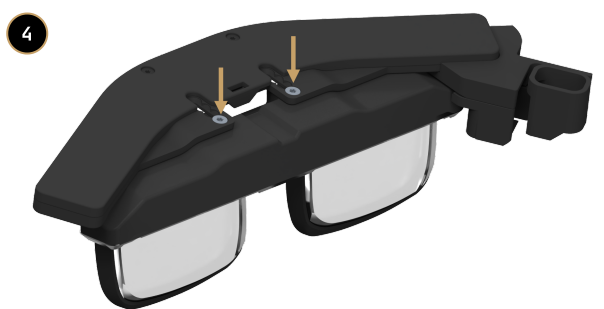
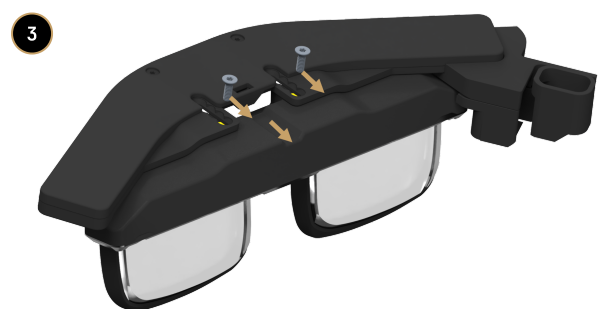
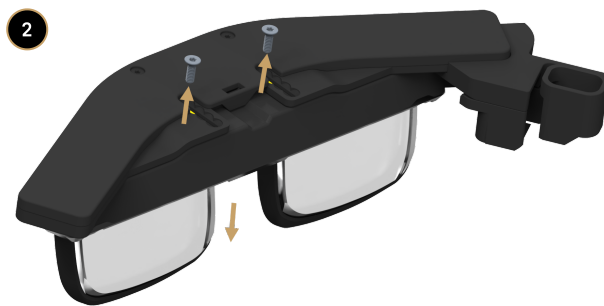


FOUR POSITIONS ON THE RAIL — 1 · Farthest · 4 · Closest to your forehead

FAR 1  4 CLOSE ✓

Move the optics towards your forehead — towards position 4 — to the closest setting that remains comfortable. The closer they sit, the further the combiner frame moves towards the edge of your field of view.

They should barely touch your forehead, or not touch at all — they must never press.



ADJUSTING EYE RELIEF — Start · Remove the two screws · Slide to the required position · Refit the screws



LOOP BACK — With the helmet fully on and the chin strap fastened, run the four-corner check (page 03) again.



COMFORT FIRST — If the optics press into your forehead on a long ride, move back one position — a comfortable 3 is better than an uncomfortable 4.



Four corners crisp — you're set

Your AR Optics are adjusted. **Return to the helmet-pairing step in the Onboarding Guide. The display now shows the 6-digit code requested by the app.**

CARE & HANDLING



SPLASHPROOF, NOT WATERPROOF In rain, close the main visor to shield the optics. Never submerge them or direct a jet of water at them.



CLEAN WITH MICROFIBRE ONLY Use the included cloth on the optical surfaces. Never use solvents or abrasives.

IF THE PICTURE DRIFTS LATER

New rider, same helmet — expect a different spacer and eye-relief position; the fit is personal.

DISPLAY DARK AFTER REMOVING THE OPTICS? Reattach them squarely to the golden USB-C contact (page 02), or tap the POWER button to wake the optics. This takes 6–7 s.