

AR OPTICS - ADJUSTMENT GUIDE

Dial in a clear, complete picture

Attach the optics, then adjust 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 & check

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



STEPS 3-4

Fix what the check shows

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



DONE

Re-check, then ride

All four corners 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 in 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 - the module must sit squarely on it, not offset.



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

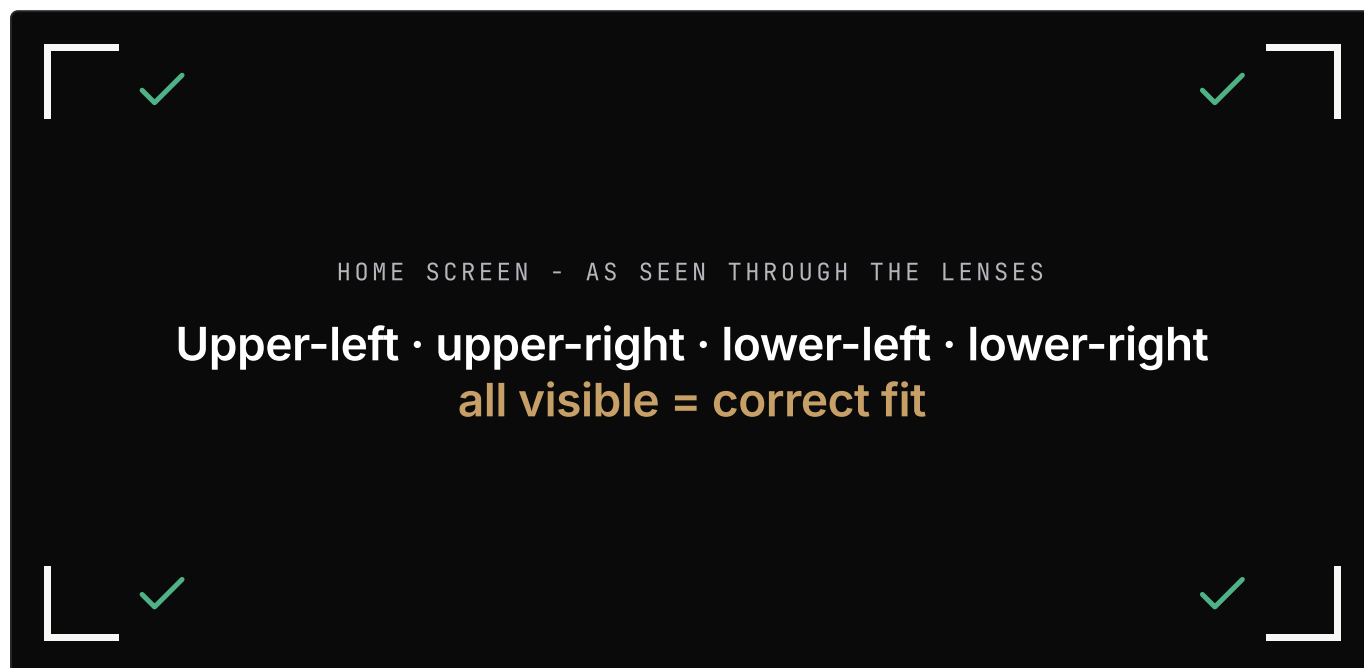


Display stays dark? Tap POWER once to wake the optics - **the display turns on after ~6-7 s**. Still dark? Detach and reattach so the contacts meet squarely, and check in AR Vision Companion that the display brightness is turned up.

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**. This is the check you return to 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](#)

Glasses frame intrudes into your view - the optics sit too far from your eyes.

[STEP 4 · DISTANCE - P.05](#)

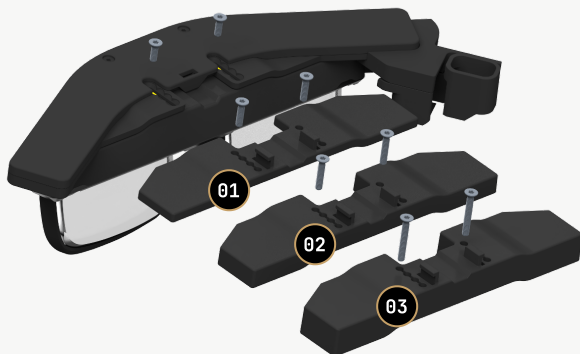
All four corners crisp and complete - your optics are set.

[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, Thick** - Medium comes preinstalled.



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 ●

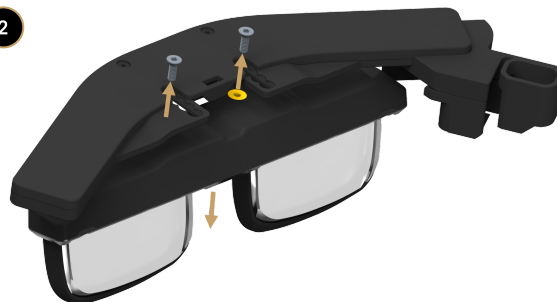
THICK

● = preinstalled

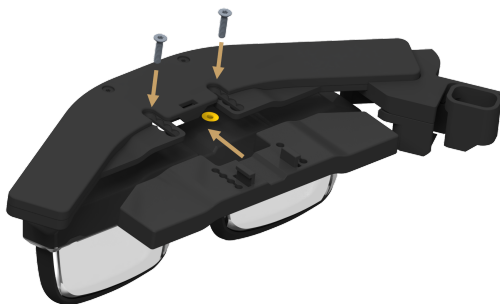
1



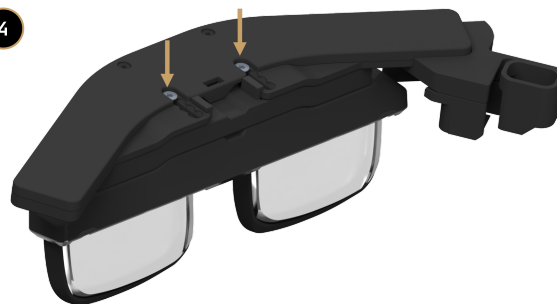
2



3



4



Changing an insert - 1 start • 2 remove the two screws, 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 them apart.

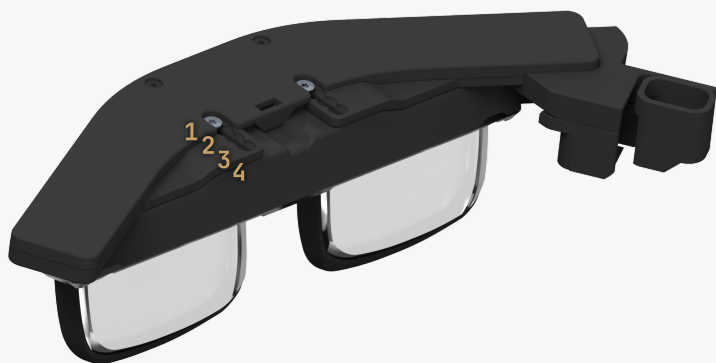


Loop back: put the helmet on and run the four-corner check (page 03). Keep the spacer that brings all four corners into view.

4 Set the distance - eye-relief

FIX: FAINT / SOFT CORNERS

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

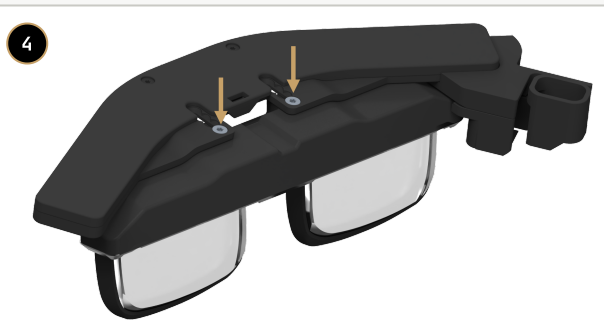
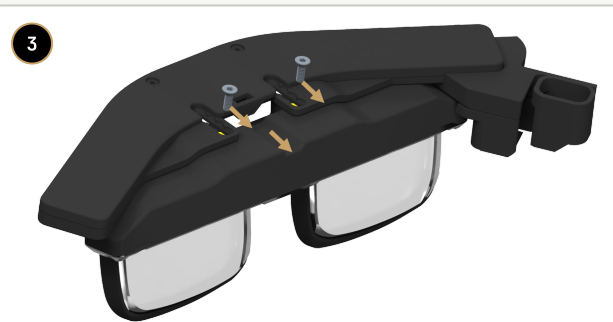
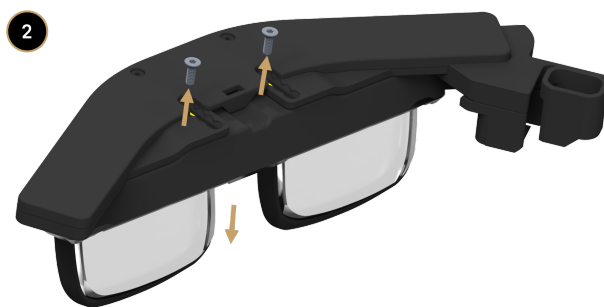


Four positions on the rail - 1 farthest, 4 closest to your forehead

FAR 1 ————— 4 CLOSE ✓

Move the optics **toward your forehead** - toward position 4 - to the closest setting that stays comfortable. The closer they sit, **the further the combiner frame moves to the edge of your field of view**.

They should **barely touch your forehead, or not touch at all** - never press.



Adjusting eye-relief - 1 start • 2 remove the two screws • 3 slide to position • 4 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, step back one position - a comfortable 3 beats 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 the app asks for.

CARE & HANDLING



Splashproof, not waterproof. In rain, close the main visor to shield the optics. Never submerge them or aim a jet of water at them.



Clean with microfibre only. Use the included cloth on the optical surfaces - never solvents, never 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 squarely on the golden USB-C contact (page 02) or tap the POWER button to wake up the optics, this will take 6 - 7 s.