

— A CALIBRATED AR HUD TWO SETUP

processes take you from unboxing to riding.

Follow them in order — each step leads with a picture.



PROCESS 01

Pair the helmet & phone

Power on · install AR Vision Companion · attach the AR Optics · connect over Bluetooth. 4 STEPS

PAGES 02-03 PROCESS

02 Calibrate

your first vehicle Add your motorcycle

in the app · mount the phone · one short guided ride · up to ~2 h processing.

6 STEPS · PAGES

— 04-06 WHAT YOU'LL

- NEED Aegis Rider Vision
- AR Optics
- Your smartphone
- The account used at purchase
- Phone mount
- + your motorcycle
- Ride into the future

PROCESS 1 OF 2

Pair the helmet & phone

STEPS 1-4

Goal: helmet powered, app signed in, AR Optics attached, helmet connected to your phone.

1 Switch on

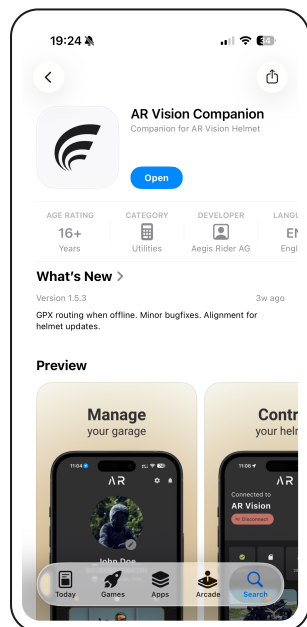


the helmet 01 POWER - the first button

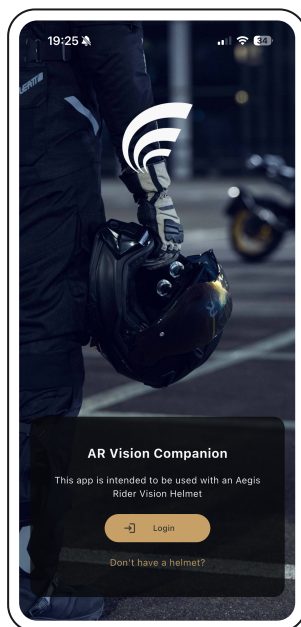
02 STATUS LED turns blue Long-press the POWER button until the Aegis

2 Rider Vision powers on.

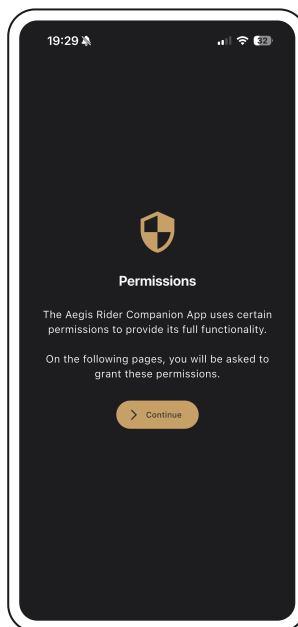
STATUS LED turns blue. 2 Install the app & sign in Install AR Vision Companion — it shows on your phone as AR Vision. **Sign in, then accept the permissions the app asks for.**



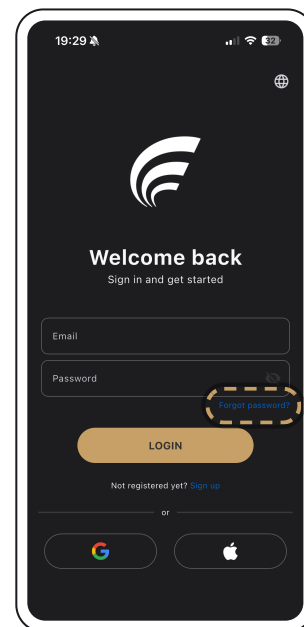
Search "AR Vision Companion".



Sign in with the account used to buy the helmet.



Accept all permissions — they are required.



Bought as a guest? Set your password via email.



Note — bought as a guest? Look for the "set password" email and set your password there. **Missed it?** Use "Forgot password" for a fresh link. **If the email never arrives, contact support@aegisrider.com.**

3 Attach the AR Optics



Lower it into place - the check shows a square seat, the crosses show an offset one.

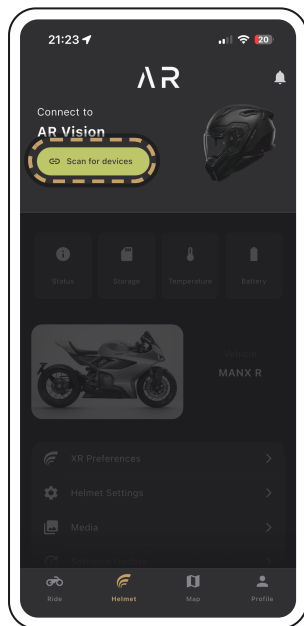
With the helmet on, attach the AR Optics behind the visor opening. **The magnets snap it onto the single golden USB-C contact.** Nudge it left and right to confirm it is seated squarely. **Note — picture too high, low, far or close?**



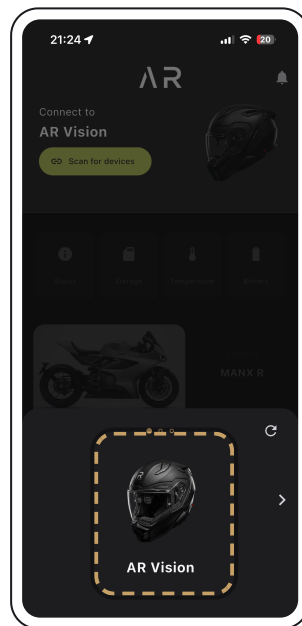
Adjust the fit with the separate AR Optics Adjustment Guide.

4 Rule of thumb: as close to your forehead as is comfortable. 4 Connect the helmet over Bluetooth In the Companion App: Helmet page → Scan for devices → tap your helmet (AR Vision) → run the Helmet Setup.

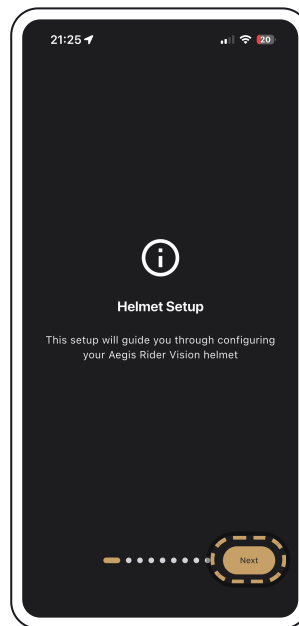
You will need to put the helmet on, read the 6-digit code in the AR Optics and type it into the app.



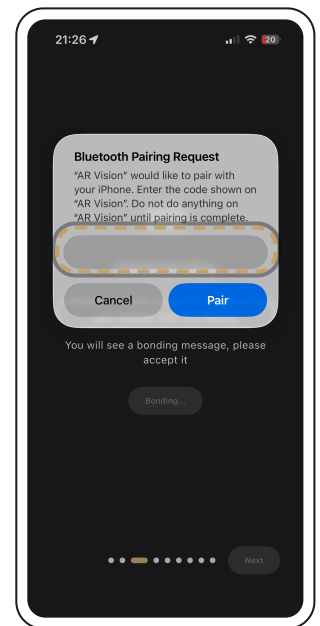
Open Helmet, tap Scan for devices.



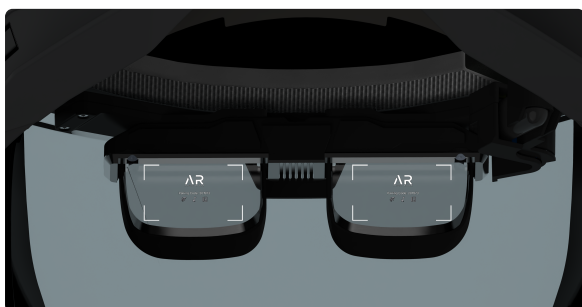
Tap AR Vision — at the bottom of the list.



Run through the Helmet Setup.



Type the code shown in the AR Optics.



In the AR Optics — your code is unique, shown while you wear the helmet.



NOTICE — the code is unique every time. Pairing never happens automatically, and the code is never a default like 000000.



Note — code screen dark? Tap POWER once to wake the optics. **The display returns after ~6-7 s, then shows the code.**

✓ **End of Process 1** — - your helmet is paired to the phone.

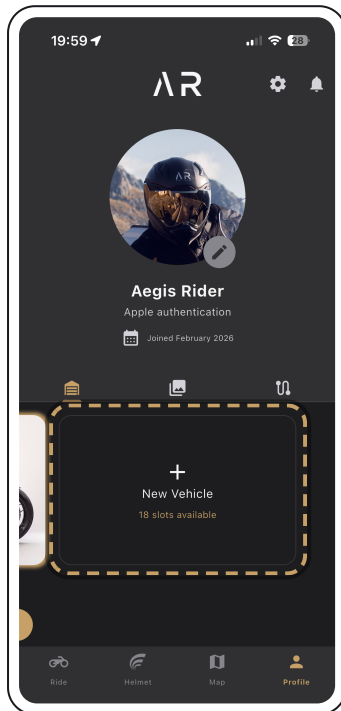
— PROCESS 2 OF 2

Calibrate your first vehicle

STEPS 1-6

Goal: teach the system your motorcycle, so the AR HUD anchors correctly. 1 Add the vehicle

1 in the app Click +

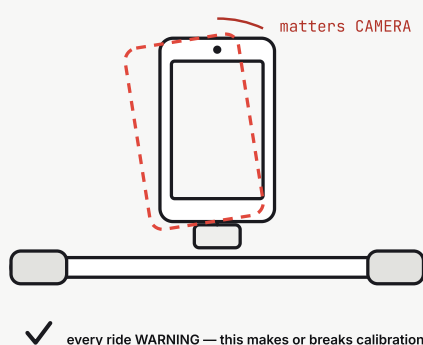


to the Profile page → + New Vehicle and give your motorcycle a name and picture. 2 Mount

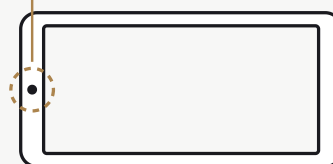
to add new vehicle Go

2 your phone on the motorcycle Fit the included

phone mount - or your own - to the handlebar. 1-2° already



Mounting landscape?



Note which end the camera points to — and repeat it every ride.
Same position & angle



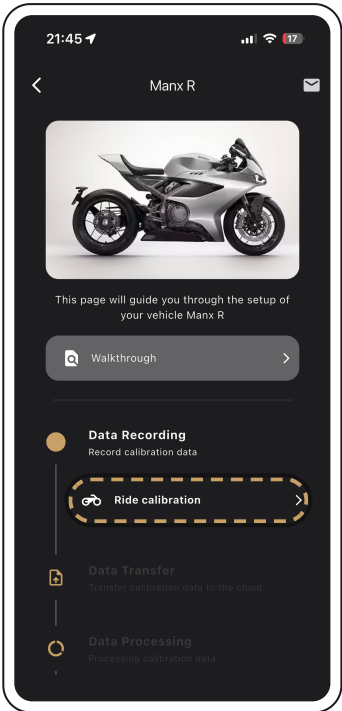
The phone's orientation and position during the calibration ride must be identical every time you ride. Even a 1-2° difference starts to cause problems. **Mounting landscape?** Remember which way it faces — selfie camera left or right — and always mount it the same way.

3

3 Power up and start the guided calibration

Turn on the helmet and attach the AR Optics.

Then insert the phone into the mount and follow the on-screen onboarding steps in the Companion App.



Follow the on-screen steps. 4
Take the

4

4 calibration ride Ride normally and follow the

manoeuvres shown in the AR display — about 10 minutes overall. 5× LEFT TURNS 5× RIGHT TURNS 45 s STRAIGHT — CONSTANT

SPEED

≥5 min RIDING

ABOVE

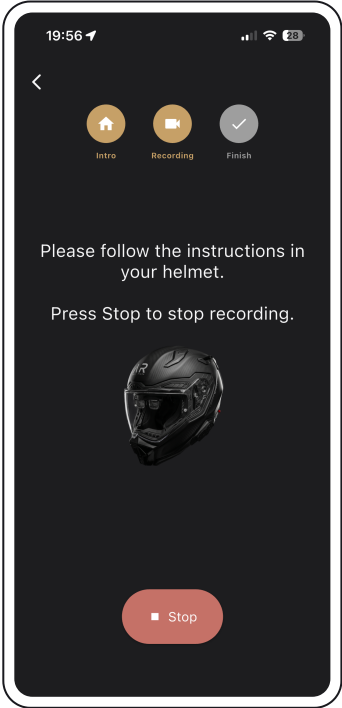
KM/H The

AR

display tracks each manoeuvre as you

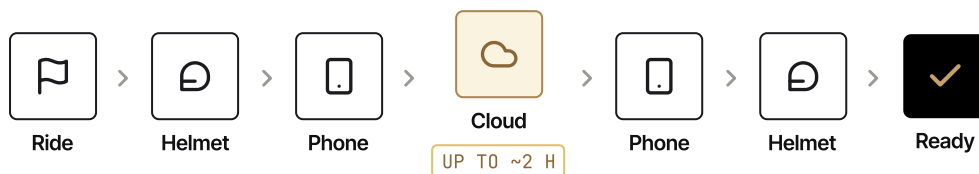
ride

just work through the list.

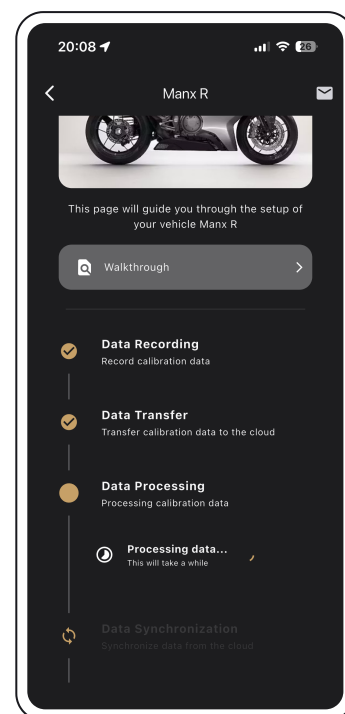


The app tracks your progress.

5 Upload & processing

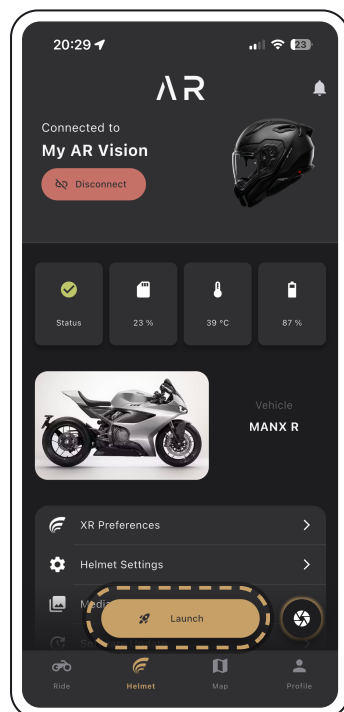


Process the data: transfer the ride recording from the helmet to your phone and then upload it to the cloud. These steps are manual. Processing takes up to ~2 hours. Download the finished profile once ready — cloud to phone to helmet.



A good moment for a coffee.

6 You're ready to ride



Press Launch. Ride.

Insert the phone into the mount exactly as during the calibration ride — same orientation, same position — then press Launch on the Helmet page.



Note — calibrate once per motorcycle. Re-run it only if you switch motorcycles or change how the phone mounts.

— QUICK REFERENCE

Do's & Don'ts

The rules that decide whether the AR HUD works - all part of

✓ your

riding routine, not a menu setting.

Do Let the tracking camera see your motorcycle
Wear the helmet so the small tracking camera at the front has your motorcycle in view when you look ahead. **Usually that happens by itself — but if the helmet sits unusually high or tilted, the camera can lose the motorcycle, and the HUD with it.**



Mount the phone exactly as calibrated Same mount, same position, same orientation as during the calibration ride — every ride.

That one habit keeps the HUD anchored.

✗ Don't



Don't ride with the phone in your pocket

The phone is part of the tracking system. In a pocket, backpack or tank bag it cannot sense the road — it must sit in the mount, exactly as during the calibration ride.



Don't ride with misaligned AR Optics If the picture sits off to one side, too high or too low, stop and re-position the optics horizontally and vertically before riding — see the AR Optics adjustment guide.

A misaligned display strains your eyes and hides information.



Rule of thumb — if the HUD looks wrong, check these three first. They solve almost every case before troubleshooting is needed.

— QUICK REFERENCE

Troubleshooting

Symptom on the left, fix on the right.

ALL OF

THESE

are things you can solve yourself.

SYMPTOM WHAT TO DO Bought as a guest / can't log in Set your password via the "set password" email; if missed, use "Forgot password".

If the email never arrives, contact support. 6-digit

code screen is dark / AR Optics off Tap POWER again to wake the optics; the display

re-negotiates and returns after ~6-7 s.

Picture too high / low / far / close Adjust the fit — see the AR Optics adjustment guide.

Aim for as close to the forehead as is comfortable.

HUD drifts / slides off to the side Check the HUD alerts for a "Localization unavailable" icon; briefly reposition the helmet to re-localise.

Make sure the phone mount hasn't shifted since calibration.

AR doesn't line up after calibration The phone mount likely isn't in the exact same orientation and position as the calibration ride. **Re-calibrate.**

Poor tracking when standing (off-road) Re-calibrate

with a mix of sitting and standing, so the ride reflects how you'll actually ride.



Something not right? Contact support@aegisrider.com — we'll help.



Fitting the AR Optics to your eyes — the four-corner check, spacers and eye-relief — lives in the separate AR Optics adjustment guide, at aegisrider.com/get-started.

— MADE IN PORTUGAL ONBOARDING

EN-GB

**V1.0**

07-2026 WHAT YOU'LL SEE ON YOUR FIRST RIDE
The HUD is anchored to your motorcycle — not your head
087 Looking ahead — speed, navigation and ride info sit fixed in space in front of the motorcycle.
087 Head turned — the display moves out of view.

It stays anchored in front of the motorcycle. Turn your head to check traffic or your mirrors and the display leaves your view. Look forward again and it's right where you left it. This is intentional — it's exactly what keeps the HUD from ever covering a hazard you're actually looking at.

— / 09 GUIDES

& DOWNLOADS This guide, the **AR Optics Calibration video** and the full manuals live at aegisrider.com/get-started.

— SUPPORT STUCK AT ANY STEP?

Write to support@aegisrider.com — we answer ourselves, fast.