

— AEGIS RIDER VISION + AR OPTICS

From the box to 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 bike 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

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

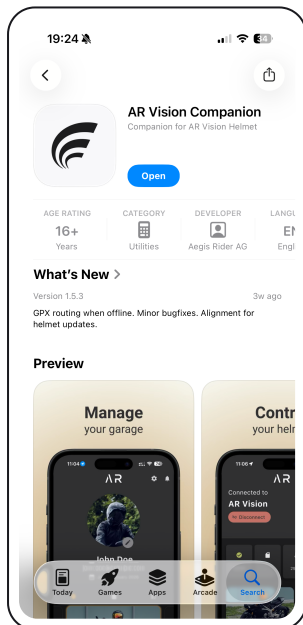


01 POWER — the first button · 02 STATUS LED turns blue

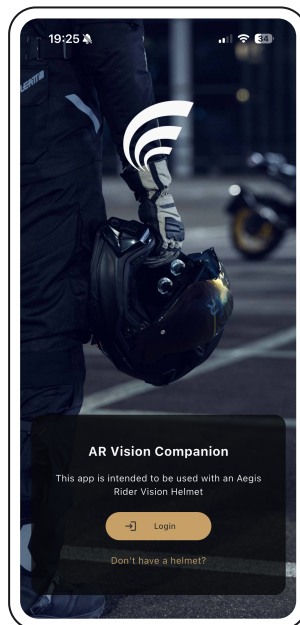
Long-press the POWER button until the Aegis Rider Vision powers on. **STATUS LED** turns blue.

2 Install the app & sign in

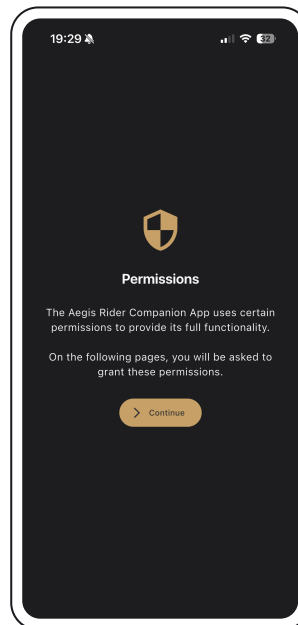
Install **AR Vision Companion** — it shows on your phone as **AR Vision**. Sign in, then accept the permissions the app asks for.



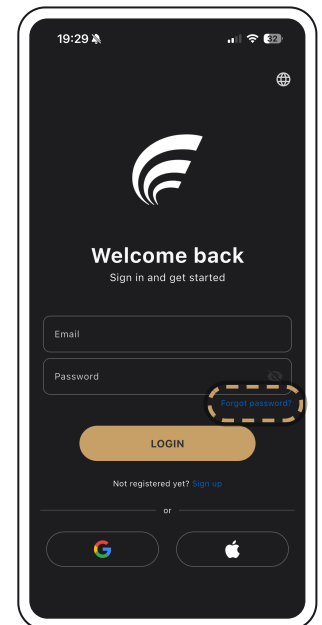
Search "AR Vision Companion".



Sign in with the account used to buy the helmet.



Accept **all** permissions — they are required.

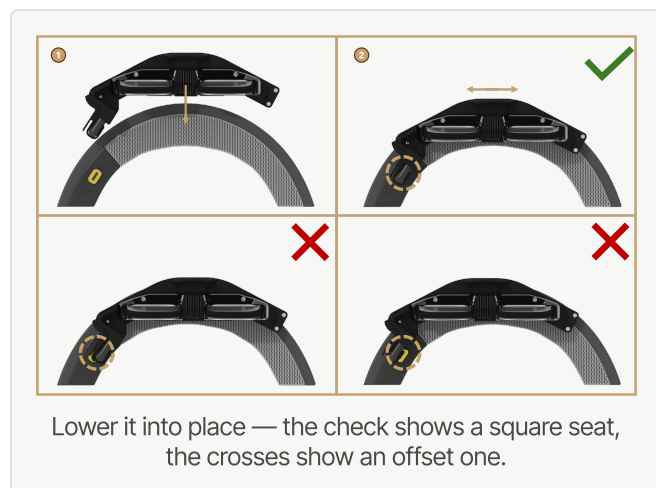


Bought as a guest? Set your password using the link in the email.



Note — bought as a guest? Use the link in the password setup email. Can't find the email? Use **"Forgot password"** for a fresh link. If that email does not arrive either, contact support@agisrider.com.

3 Attach the AR Optics



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.

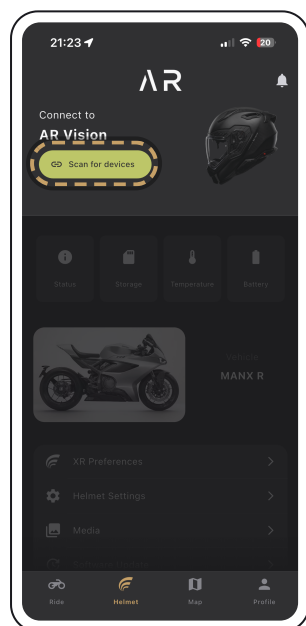


Note — picture too high, low, far or close?

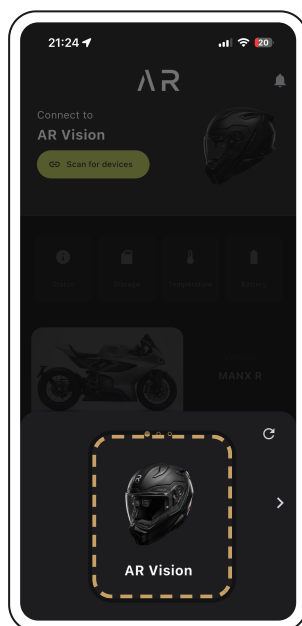
Adjust the fit with the separate **AR Optics Adjustment Guide**. Rule of thumb: as close to your forehead as is comfortable.

4 Connect the helmet over Bluetooth

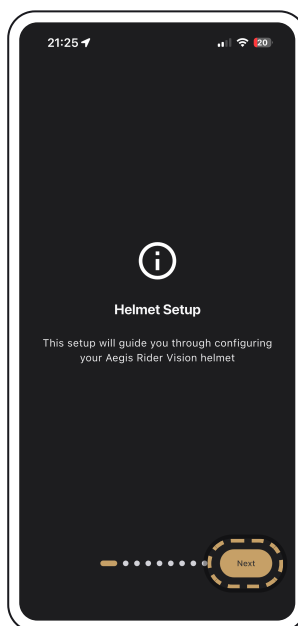
In the Companion App: Helmet page → Scan for devices → tap your helmet (AR Vision) → run the Helmet Setup. You will need to **put the helmet on**, read the **6-digit code** in the AR Optics and type it into the app.



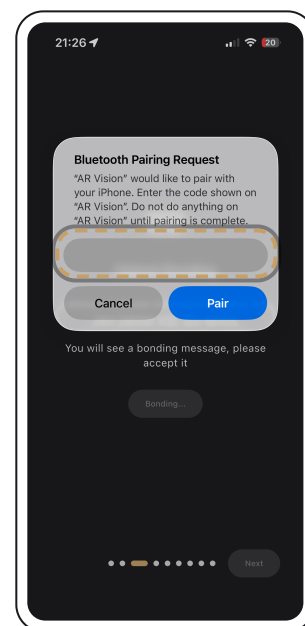
Open **Helmet**, tap **Scan for devices**.



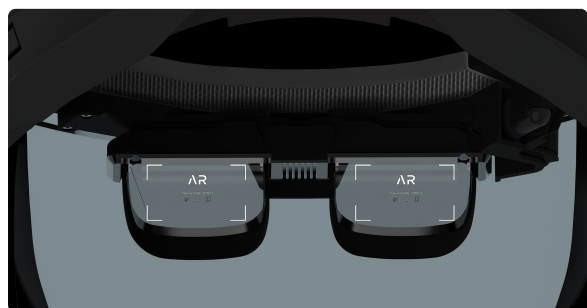
Tap **AR Vision** — at the bottom of the list.



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.

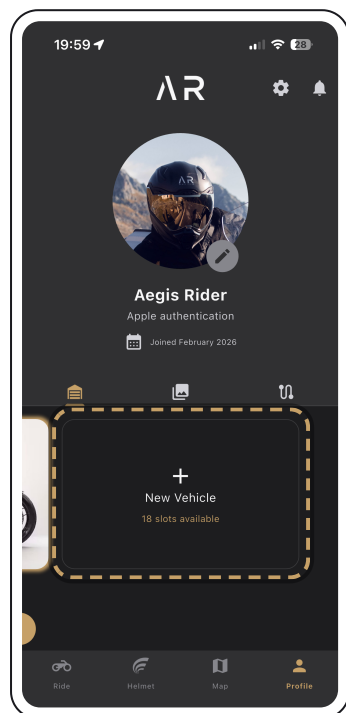
— PROCESS 2 OF 2

Calibrate your first vehicle

STEPS 1-6

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

1 Add the vehicle in the app

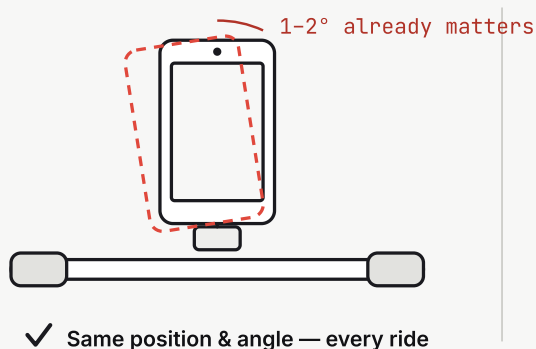


Click + to add new vehicle

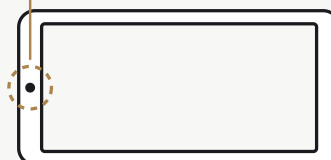
Go to the **Profile** page → **+ New Vehicle** and give your motorcycle a **name and picture**.

2 Mount your phone on the motorcycle

Fit the **included phone mount** — or your own — to the handlebar.



CAMERA — WHICH END?



Mounting landscape? Note which end the camera points to — and repeat it every ride.

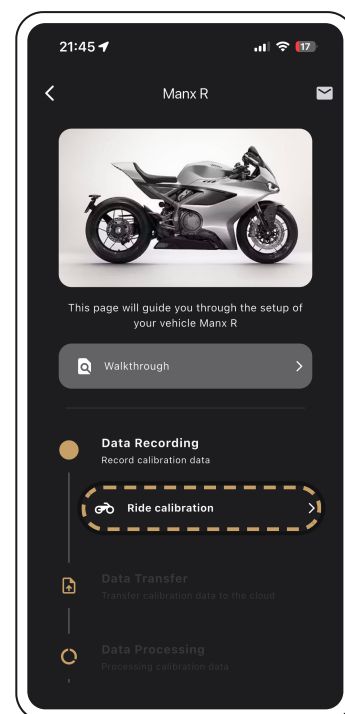


WARNING — this makes or breaks calibration. The phone's **orientation and position during the calibration ride must be identical every time you ride**. Even a **1-2° difference** starts to cause problems. Mounting landscape? Remember which way it faces — selfie camera left or right — and always mount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

3 Power up and start the guided calibration

Turn on the helmet and attach the AR Optics.

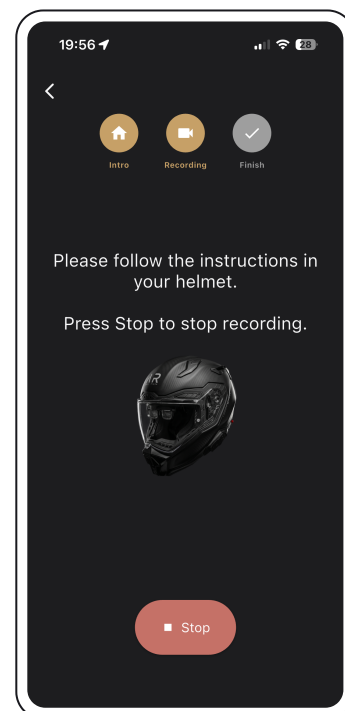
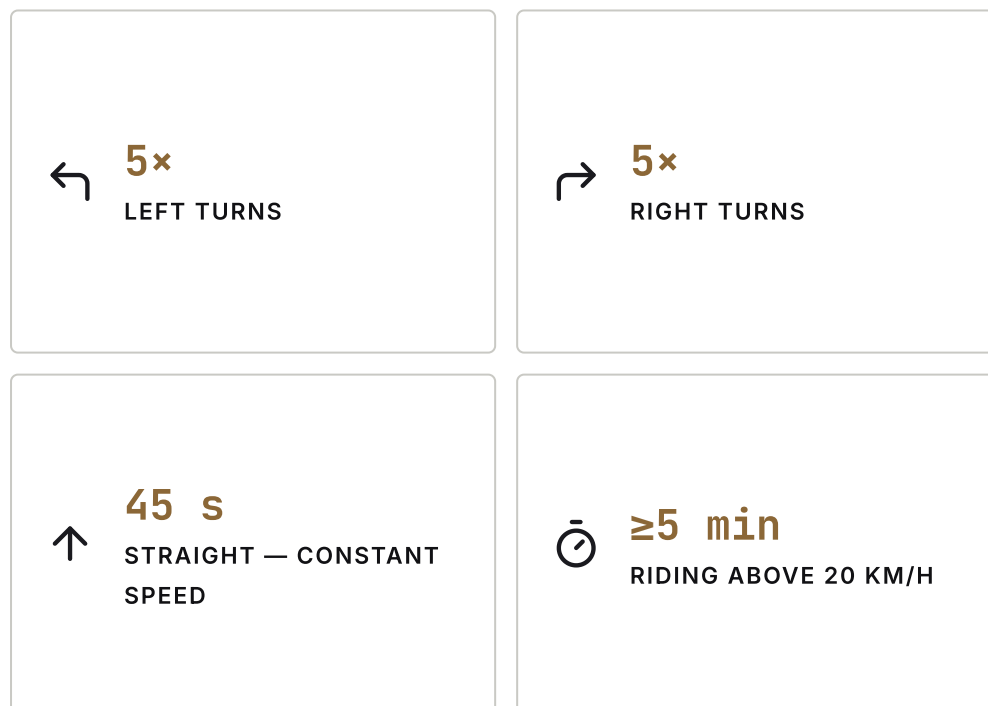
Then **insert the phone into the mount** and follow the on-screen onboarding steps in the Companion App.



Follow the on-screen steps.

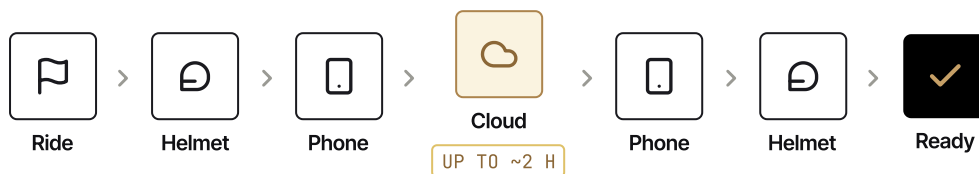
4 Take the calibration ride

Ride normally and follow the **maneuvers shown in the AR display** — about 10 minutes overall.

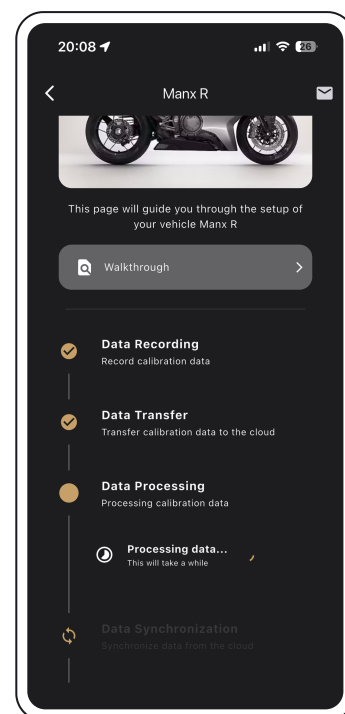


The AR display tracks each maneuver as you ride — just work through the list.
The app tracks your progress.

5 Upload & processing

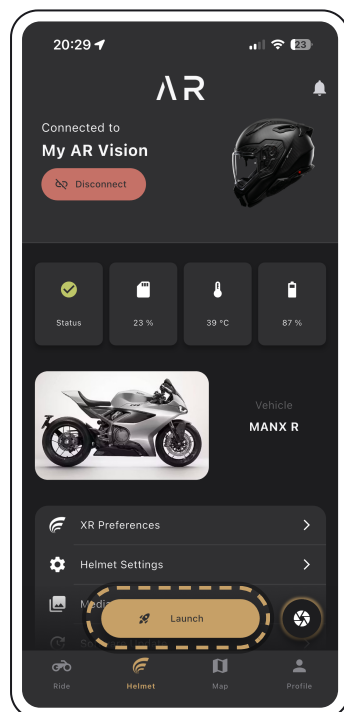


Process the data: transfer the ride recording from the helmet to your phone and then upload it to the cloud. These **steps are manual**. Processing takes **up to ~2 hours**. Download the finished profile once ready — cloud to phone to helmet.



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 bikes 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 bike, 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 using the link in the password setup email ; if you cannot find it, use "Forgot password" . If that email does not arrive either, 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.

— WHAT YOU'LL SEE ON YOUR FIRST RIDE

The HUD is anchored to your motorcycle — not your head



Looking ahead — speed, navigation and ride info sit fixed in space in front of the bike.



Head turned — the display moves out of view. It stays anchored in front of the bike.

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.

— 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.