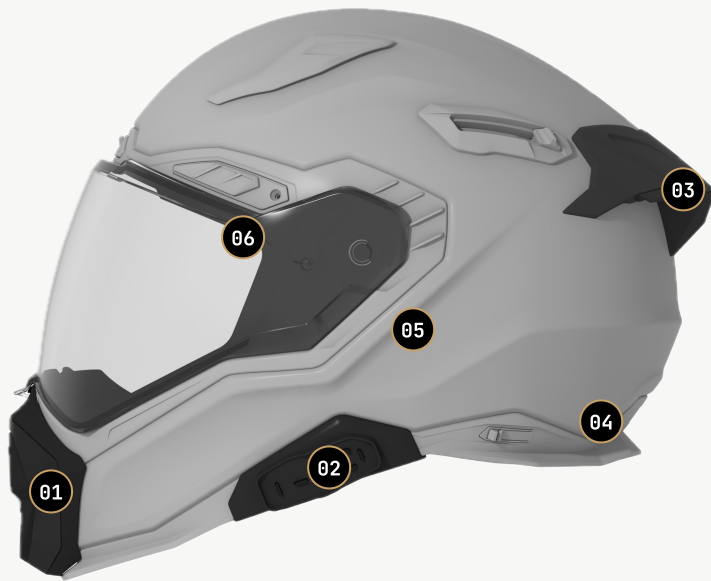


— AEGIS RIDER VISION — MODEL AR-100-1000

Know your helmet

Buttons, charging, cameras, audio and updates — everything the helmet does on its own, before the AR Optics even come into play.



- 01 Compute mouthpiece
- 02 Control sideboard
- 03 Rear camera
- 04 Battery (inside, not shown)
- 05 Audio (inside, not shown)
- 06 AR Optics connector

The helmet at a glance

PAGES 02-03

Controls & charging

The six buttons, power on/off, display toggle, USB-C charging and the status LED.

PAGE 04

The three cameras

Front action camera, tracking camera and rear camera — what each one does.

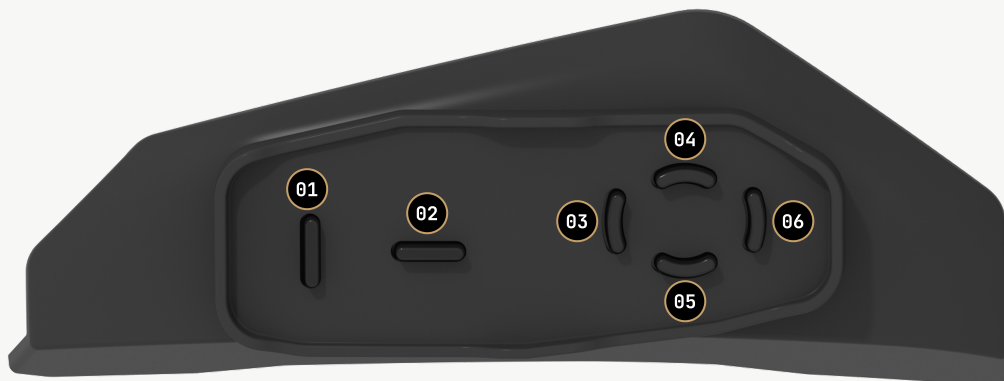
PAGES 05-06

Audio, WiFi & updates

Calls and music over Bluetooth, home WiFi, and keeping the software current.

Buttons & power

CONTROL SIDEBOARD — LOWER LEFT



All six controls sit on the Control Sideboard — findable by touch

01 POWER On / off · display toggle · battery check

02 ACTION Play / pause · accept call

04 · 05 UP/DN Volume · navigate menus vertically

03 · 06 L / R Previous / next track · navigate menus sideways

— THE POWER BUTTON, THREE WAYS

HOLD 2–3 s

Power on. LED turns solid blue, then pulses blue while booting. Plugged into the charger? Hold ~5 s instead and wait for the green blink.

HOLD ~4 s

Power off. LED blinks blue rapidly while the helmet shuts down.

TAP ONCE

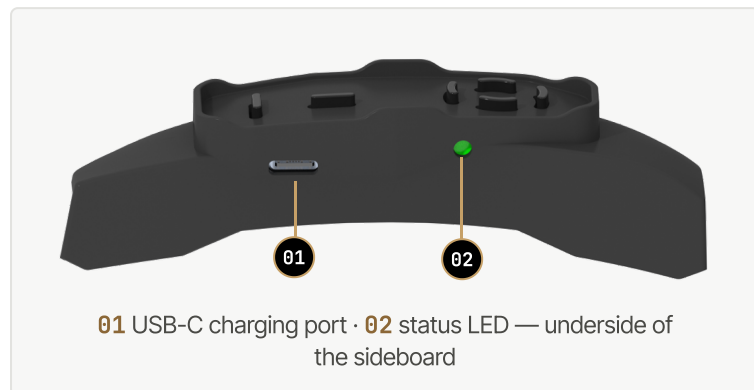
AR Optics on / off. A short press puts the AR display to sleep — tap again to wake it; **the image returns after ~6–7 s**. The helmet keeps running: audio, calls and recording continue.

HOLD 1–2 s

Battery check. The LED flashes in your charge colour: **green x5** = 90–100% · **orange x1–5** = 15–89% · **red x1** = below 15%.

Charging & the status LED

USB-C • USB PD



Full charge ~2 h

20 → 80% ~1.5 h

Riding time, AR display active ~5-7 h

Charger USB PD 9V/2A



Charge while you ride. The helmet charges over USB-C while in use — from the bike or a powerbank — for long touring days well beyond the built-in ~5-7 h.

READING THE LED

● **Solid blue** — powering on

● **Solid green / orange / red** — charging while off; colour = charge level

● **Blink every 5 s** — running normally; colour = charge level

● **Rapid blue blink** — shutting down

● **Pulsing blue** — booting

● **Pulsing green / orange / red** — charging while on

● **Rapid red blink** — battery below 15%, charge soon

● **Charge colours** — green 90–100% · orange 15–89% · red 0–14%



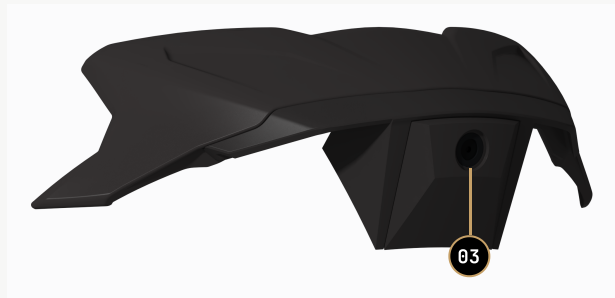
Dry port only. The port has no moisture detection — after rain or washing, let it dry completely (6–8 h) before connecting the charger.

The three cameras

2× FRONT • 1× REAR



01 action camera • 02 tracking camera



03 rear camera — top rear of the shell

01 Action camera

1080p@30 • 135° FOV • H.264

Records your ride from your point of view. About **20–24 h of footage** fits in the helmet's storage; recordings transfer to your phone over the helmet's WiFi hotspot. Start and manage recordings in AR Vision Companion.

02 Tracking camera

SYSTEM ONLY

The small lens below the action camera drives **spatial anchoring** — it tracks the helmet's position so HUD content stays anchored to your motorcycle. It is not a photo camera: there is no user-accessible feed. **Keep it clean and never cover it** — stickers or mounts over this lens disable anchoring.

03 Rear camera

1080p@30 • FUTURE UPDATE

The hardware is built in and ready; the rear camera **activates with a future software update** — one more reason to keep your helmet updated (page 06).



Note — the action camera is for recording only; it plays no role in spatial anchoring. A dirty action lens means blurry videos — a dirty tracking lens means a degraded HUD.

Audio, calls & notifications

BLUETOOTH 5.2

Built-in speakers and microphone connect to your phone over Bluetooth — pair once through AR Vision Companion and the helmet behaves like a headset on every ride.

HFP — HANDS-FREE CALLS

Take and hold calls without touching your phone. Press **ACTION** to accept an incoming call.

A2DP — MEDIA STREAMING

Music and navigation prompts stream from any app on your phone in full stereo.

CALLER NAME ON HUD

With AR Optics attached, the caller's name appears in the display so you can decide without looking down. You need to enable contact sync.

SMARTPHONE NOTIFICATIONS

Notifications you allow in the app surface briefly on the HUD — anchored to the bike, never blocking your view of the road.

MEDIA CONTROLS

ACTION

play / pause · take call

UP / DOWN

volume

LEFT / RIGHT

previous / next track



Intercom — Sena/Cardo universal intercom is not supported yet; support is planned for a future software update.

Home WiFi & software updates

2.4 GHz • 802.11 b/g/n

Connect the helmet to your home WiFi once — with the helmet connected to your phone, open **Helmet** → **Helmet Settings** → **Configure Wi-Fi**, pick your network, enter the password and hit connect. The helmet uses WiFi to download software updates — new features like the rear camera and intercom support arrive this way.



2.4 GHz networks only. The helmet doesn't see 5 GHz-only networks — if yours doesn't appear, enable the 2.4 GHz band on your router or use its guest network.

— UPDATING — ALWAYS ON YOUR COMMAND

1. Updates are **never automatic** — you choose when to download and when to install, in AR Vision Companion.
2. Before installing: helmet **powered on, WiFi connected**, battery at **50% or more** (or on the charger).
3. App updates (~50 MB) install in moments. System updates (~1 GB) take about **20 minutes** — don't power off during install.



Fail-safe by design. The helmet keeps two system copies — if an update is interrupted, it boots the previous version. An update can't brick your helmet.



Check for updates **monthly**

The helmet improves over time — the rear camera, intercom support and new HUD features all arrive as software updates.