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

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

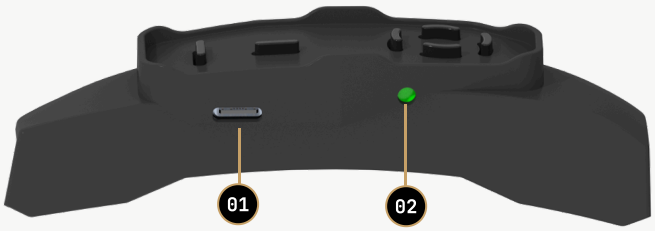
THE POWER BUTTON, THREE WAYS

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 ×5** = 90–100% · **orange ×1–5** = 15–89% · **red ×1** = below 15%.

Next: charging & the status LED → page 03

Charging & the status LED

USB-C · USB PD



01 USB-C charging port · 02 status LED — underside of the sideboard

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.

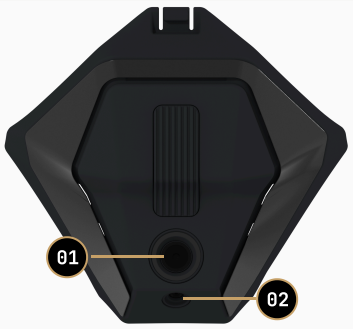
READING THE LED

- **Solid blue** — powering on
- **Pulsing blue** — booting
- **Solid green / orange / red** — charging while off; colour = charge level
- **Pulsing green / orange / red** — charging while on
- **Blink every 5 s** — running normally; colour = charge level
- **Rapid red blink** — battery below 15%, charge soon
- **Rapid blue blink** — shutting down
- **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	UP / DOWN	LEFT / RIGHT
play / pause · take call	volume	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.