

26 / Quiet Orb

Bauhaus LA - designed by Elian

CAD v11.4 | Prototype supplier review

78 x 150 x 29.5 mm body

82.72 x 150 x 30.05 mm overall, including controls.



Generated product inspiration (left) / source CAD (right). Inspiration illustrates appearance; use the supplied v11.4 CAD for dimensions and fabrication.

What this option is

A softly rounded grey enclosure with an orb grille, a blue front action cap, a red long PTT and yellow volume controls. Elian supplied the design independently of the existing concept-photo library.

Build scope

One eight-part prototype set for fit, control and finish review. Preserve the supplied CAD. Agree process, fasteners, hardware and finish samples before fabrication.

02 / Parts and finish

Print one of each part. Units are millimetres; scale 1:1. Choose STL or 3MF per part, not both. STL files contain no color information.

Part	Qty	Color / process
Front shell	1	#D9DBD7 / PA12 SLS/MJF proposed
Rear shell	1	#D9DBD7 / PA12 SLS/MJF proposed
Action cap	1	#2854C5 / PA12 proposed
PTT cap	1	#D84332 / PA12 proposed
Volume up	1	#E1B735 / PA12 proposed
Volume down	1	#E1B735 / PA12 proposed
Status lens	1	#BEC4C5 / Translucent process/material TBD
Switch clamp	1	Internal / supplier choice / PA12 proposed

Manufacturing notes

The supplied baseline proposes SLS/MJF PA12 for the flexible retention features. FDM needs slicer review; avoid brittle snap tabs. Resolve a suitable translucent material and process for the lens. Physical process compensation has not been established.

Rear artwork

WALKIE ONE: 42.02 x 5.23 mm, 0.35 mm deboss. Designed in Los Angeles: 24.47 x 2.07 mm outlined extent, 0.25 mm deboss. Values from Elian's v11.4 release note. Do not fill small text or grille holes during finishing.

03 / Assembly and checks



Exploded positions illustrate separation only; not travel, cable routing or an assembly sequence. Hardware reference models remain in the source package.

Sequence from supplied v11.0 baseline

Dry-fit moving parts. Fit the front cap and lens from inside; seat speaker and microphone; capture side caps and switches; fit the front switch and clamp; seat the PCB without forcing USB alignment. Seat the battery and antenna in the rear; route leads below the seam; close straight and secure four M2.5 screws.

Resolve screw length, insert/post method and torque with the supplier. The baseline guide is retained unchanged and explicitly names v11.0; review its applicability against the current v11.4 assembly before use.

Acceptance

Free button return and at least 100 cycles; full USB cable seating; no pinched battery or harness; no rattle; seated seam; clear speaker/microphone paths. Evaluate RF, thermal, drop and environmental behavior on real hardware.

04 / Authority and open items

Stage	Owner	Open item
Before print	Print supplier + Elian	Select process/material and preserve grille, snap tabs and small rear deboss. Verify lens process and fit allowances.
Before assembly	Eliau + hardware team	Confirm actual hardware, screw length/insert method, harness routing and USB cable. Baseline audit is v11.0 evidence, not a new v11.4 interference test.
First physical build	Hardware team	Check button return for at least 100 cycles, USB seating, cable/battery pinch, retention and seam closure.
Before production	Hardware team + supplier	Qualify drop, thermal, acoustic, RF and environmental performance; no IP rating claimed.

What was checked for this release

Eight of eight STL parts are watertight, have positive volume, zero boundary edges, zero non-manifold edges and zero degenerate triangles. All eight 3MF archives pass CRC checks. Bounds establish the body and overall dimensions. Source archive CRC and SHA-256 inventory are included.

What remains supplied evidence

Eliau's v11.0 engineering audit reports CAD-level interference, retention, travel, USB and wall checks. It is baseline evidence, not an independent v11.4 retest. The v11.4 note says the rear branding changed from v11.3. No physical prototype or production qualification is asserted.

Visual references

The website uses six AI-generated product inspiration photos based on Eliau's supplied CAD, in the warm studio style of the concept library. They illustrate the intended appearance; use the matching v11.4 CAD for dimensions and fabrication. Images and provenance are included in the download.

File authority

Use original v11.4 Fusion/STEP for CAD editing and original individual v11.4 STL/3MF for the agreed print. This brief, BOM and mesh report are supplementary. Appendix reproduces the supplied baseline notes with their original revision labels.