THE SECOND ATMOSPHERE

TECHNICAL RIDER

A generative audiovisual installation: one wall-sized projection, four speakers in a ring, and a thermal printer on a plinth, run by a single computer from a web browser. It runs unattended from opening to closing.

8 × 6 m	5.0 × 2.8 m	4	1 day
room, darkened; works from about 6 × 5 m	projected image, 16:9	active speakers in a ring	set-up, with one technician

Equipment

ITEM	SPECIFICATION	QTY	SUPPLIED BY
Projector	Laser, about 7,000 ANSI lumens, WUXGA (1920 × 1200) or better, HDMI input; lens giving a 5.0 m wide image from about 5.7 m (throw ratio about 1.15)	1	Venue
Projector mount	Ceiling mount or high shelf, behind the visitors	1	Venue
Active speakers	Compact full-range studio monitors, e.g. Genelec 8030C or similar, balanced input	4	Venue
Speaker stands	Three at about 1.3 m (speaker centre at 1.45 m); one low stand about 0.25 m for speaker 1 below the image	4	Venue
Computer	Mac mini (Apple silicon), macOS, Google Chrome	1	Artist
Audio interface	USB, at least 4 balanced line outputs	1	Artist
Thermal receipt printer	80 mm, USB, ESC/POS (e.g. Epson TM-T20III), plus one spare	1 + 1	Artist
Thermal paper	80 mm, BPA-free, 25 m rolls; about 9 used over five weeks	50	Artist
Plinth	White, about 45 × 45 × 100 cm, with about 2.0 × 1.6 m clear floor beside it for the paper	1	Venue
Pin light	Narrow spot on the plinth, warm white	1	Venue
Technology shelf	A closed shelf or box near a wall for the Mac mini and audio interface, with ventilation	1	Venue
Video cable	HDMI to the projector, about 10 m (or HDBaseT for longer runs)	1	Venue
Audio cables	Balanced (XLR or jack), lengths to suit the room along the walls, about 8–15 m	4	Venue
USB extension	Active, about 5 m, Mac mini to printer	1	Artist
QR sign	A5 card with the QR code and “Leave a word for today”, beside the entrance	1	Artist

Space, power and network

Room about 8 × 6 m, ceiling 3.5 m or higher; the work fits rooms from about 6 × 5 m, with a smaller image. Front wall matt white or pale grey.

Light as dark as possible: the image depends on deep blacks. Only the pin light on the plinth.

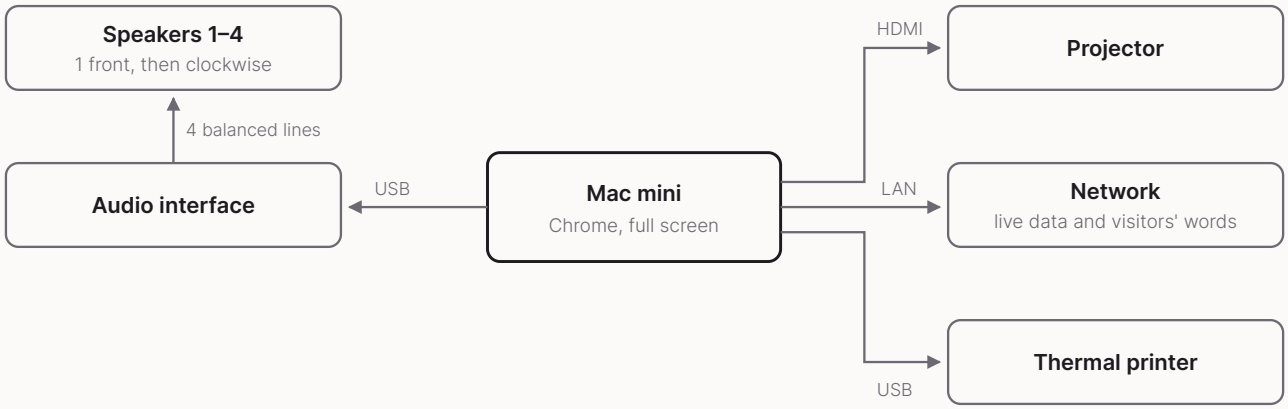
Sound enclosed or curtained, so the speakers are not masked by neighbouring works and do not disturb them.

Power 230 V, about 9 sockets: projector, Mac mini, audio interface, printer, four speakers, pin light. Total load under 1.5 kW.

Network wired Ethernet preferred, or reliable Wi-Fi; outbound HTTPS only, a few megabytes a day. If it drops, the work keeps running on its last data.

Visitors scan the QR code with their own phones, using mobile data or the guest Wi-Fi.

Signal flow



Software and start-up

The work runs in Google Chrome from `second-atmosphere-live.pages.dev/?gallery&printer&speakers=4`. The artist prepares the Mac mini before shipping:

- Chrome opens the work full screen at login.
- The print server for the printer starts at login.
- Sleep is off, and the Mac restarts by itself after a power cut.

Switching the Mac mini on is all that is needed to start the work. Audio outputs 1–4 go to speakers 1–4.

Daily operation

- Opening: switch on the projector, the speakers and the Mac mini. Check the paper roll and the pin light.
- Closing: switch off the projector and speakers. The Mac mini may stay on.
- No other daily intervention.

Consumables and care

- Paper: about 20 cm prints every 15 minutes, 6.5 m a day. Change the 25 m roll about every four days, in under a minute. The paper on the floor stays where it falls for the whole exhibition.
- Printer: a spare is supplied. If one fails, swap the USB cable to the spare.
- Network: if it drops, the work keeps running and returns to live data when the connection does.
- Remote check: the artist can see that the work is running and that visitors' words are arriving.

Set-up and dismantling

Set-up one day, with one venue technician; the artist on site, or by video call. Hour-by-hour steps are in the installation schedule.

Dismantling half a day. The paper is gathered and returned to the artist.

Contact

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