

USER GUIDE



TRACE

Draw in the air. The camera follows your hand and turns your movement into a line of light.

LAURENT NYSSSEN • EXPERIMENT

A canvas you paint with a gesture

Trace films you through the webcam, finds your hand and follows your fingertips. Pinch your thumb and index finger together and the pen comes down – you draw in space. Open your hand and the pen lifts. No touchscreen, no mouse, just movement becoming a line.

A NOTE ON LABELS

The app's on-screen controls are in French. Their names are kept here exactly as they appear, so you can match this guide to the screen.

GET STARTED IN THREE STEPS

1

Open the page over HTTPS

On iPhone and iPad, Safari only grants the camera on an **https://** address. The demo link, trace-air-lab.vercel.app, already is one.

2

Turn the camera on

Tap **Activer la caméra** (turn on camera) and accept Safari's request. The first time, the hand-tracking model takes two or three seconds to load.

3

Step back a little

Keep your hand well inside the frame, palm toward the camera. The tracking point appears as soon as the hand is detected.

THE GESTURE, IN A WORD

Pinch (thumb + index touching) = you draw. **Open hand** = you lift the pen and move without drawing. All the finesse of the stroke lives in that pinch.

THE SIX BRUSHES

■ **Encre** · ink

A solid, clean line, like a pen. The default brush.

■ **Spray**

A diffuse cloud of dots, like an aerosol can.

■ **Néon** · neon

A glowing line with a halo, best on a dark background.

■ **Ruban** · ribbon

A wide band whose thickness follows the speed of your gesture.

■ **Hachures** · hatching

Small repeated strokes, a hand-drawn texture.

■ **Grain**

A grainy material, rawer and more organic.

Tune the line to your gesture

COLOR

Pick a hue with the color selector, or grab one from the shortcut palette just below. Turn on **Teinte évolutive** (hue drift) to let the color slide gently along the stroke – a living gradient with nothing to set.

FOUR SLIDERS

Taille · size	Line thickness, from 2 to 90 . Default 22.
Opacité · opacity	Ink transparency, from 5 to 100 . Default 85.
Sensibilité de la pince	How easily the pinch triggers (20–80). Lower = you must squeeze firmly; higher = it catches at the slightest closing. Default 45. (pinch sensitivity)
Lissage · smoothing	Softens the line to iron out hand jitter (0–90). Default 55.

DISPLAY

Voir la caméra	Shows or hides the webcam image behind the drawing. (show camera)
Voir la main	Shows the hand-tracking points – handy for aiming, turn off for a pure render. (show hand)
Fond opaque à l'export	If ticked, the exported PNG has a solid background; otherwise it's transparent. (opaque background on export)

ACTIONS & SHORTCUTS

Gomme erases locally · **Annuler** steps back · **Effacer tout** starts from a blank canvas · **Exporter en PNG** saves your image.

E	eraser	Z	undo	C	clear	S	export
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FOR CLEAN TRACKING

Soft, even light, a fairly plain background behind you, and your whole hand in the frame. If the point jumps, lower the **Sensibilité de la pince** and raise the **Lissage** a little.