

HeadControl

User guide

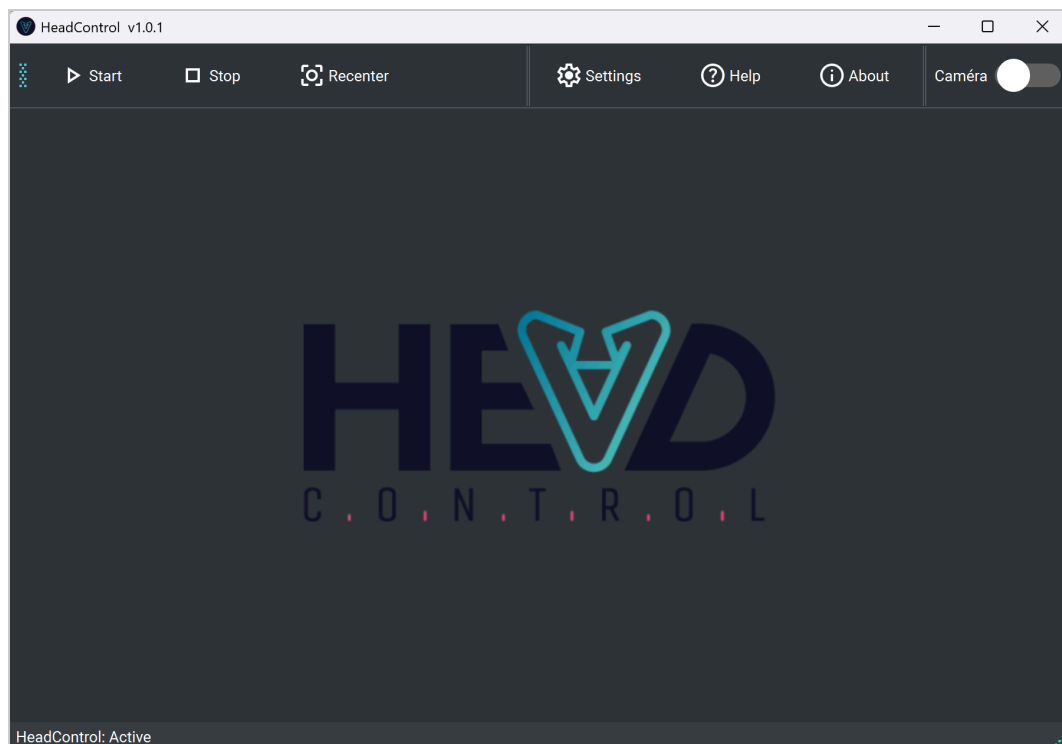
Version 1.1.0

This document contains the full help available from the **Help** button in the HeadControl main window.

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1. Main interface



Start : Starts head movement and facial expression detection.

Stop : Stops detection. The cursor is no longer controlled by head movement and facial expressions are no longer detected.

Recenter : Recalibrates the neutral head position. Look straight ahead, head upright, before clicking.

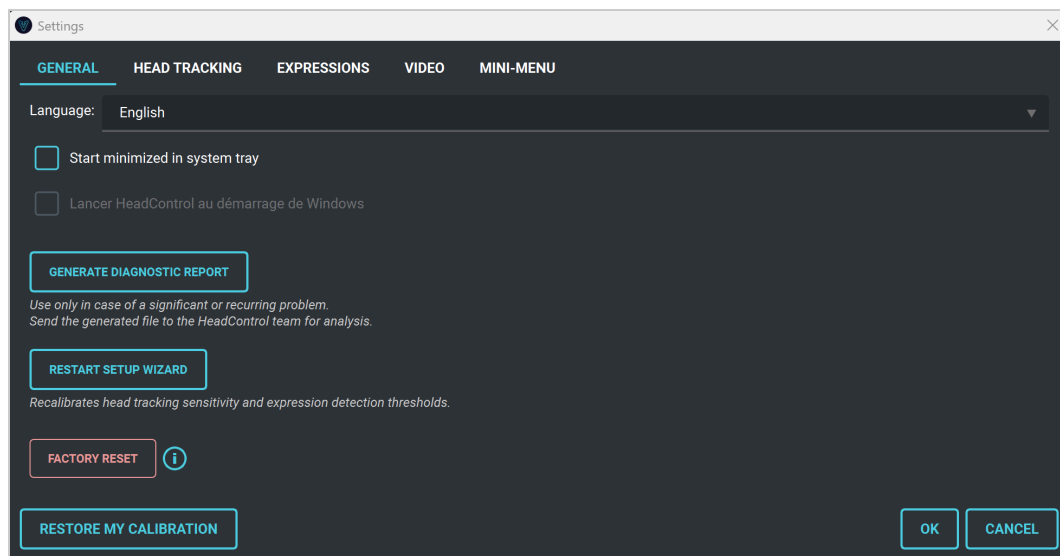
Settings : Opens the full configuration window.

Help : Displays this help page.

About : Displays software version information.

Camera (toggle) : Enables or disables the live video preview in the main window. Disabling the preview frees up graphics resources.

2. Settings: General



Language : Choose the interface language (Français / English).

Start minimized : HeadControl launches directly in the notification area, without showing the main window.

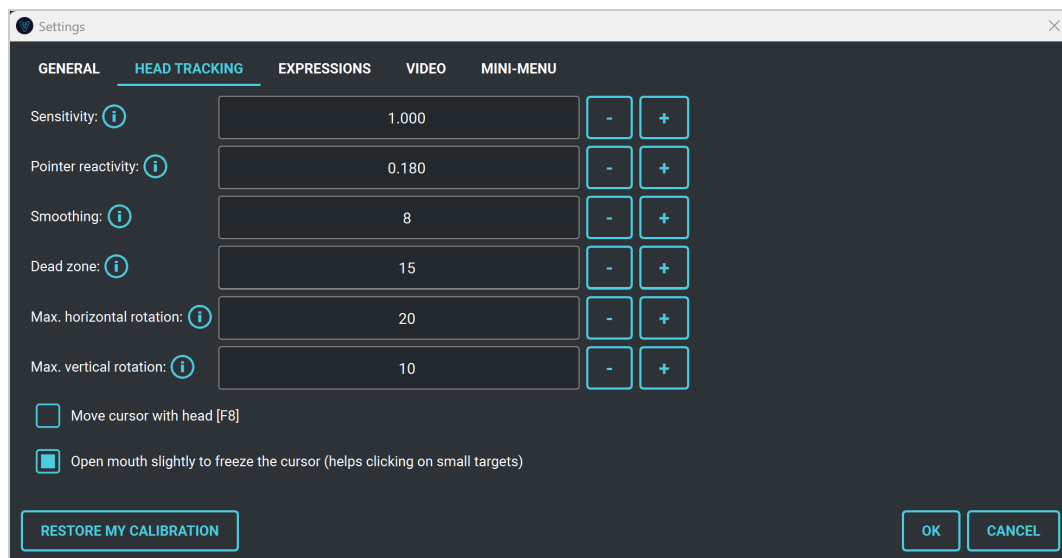
Generate diagnostic report : Creates a diagnostic file to send to support in case of a recurring problem.

Relaunch configuration wizard : Reruns the initial software calibration: head tracking sensitivity and expression thresholds, just like when the software was first installed.

Restore my calibration : Restores the settings saved during your last run of the configuration wizard. Use this if you have accidentally changed settings and want to get your personalized calibration back.

Factory reset : Resets all settings to the software's factory defaults; your personal calibration will be lost. Use only as a last resort, if the software no longer responds correctly even after using "Restore my calibration". You can then relaunch the configuration wizard to set up a new personalized calibration.

3. Settings: Head tracking



Settings apply in real time: every change takes effect immediately, without needing to click OK.

Sensitivity : Cursor movement range. Increase if the cursor does not reach the screen edges.

Pointer responsiveness : Controls movement smoothing. Low value = smoother cursor, high value = more responsive.

Smoothing : Number of frames used to smooth the trajectory. Increase to reduce tremors.

Stability zone : Dead zone in pixels around the neutral position. The cursor does not move while the head stays within this zone.

Max. horizontal rotation : Maximum expected horizontal head rotation in degrees. Reduce if your range of motion is limited.

Max. vertical rotation : Maximum expected vertical head rotation in degrees. Reduce if your range of motion is limited.

Move cursor with head [F8] : Enables or disables head tracking. The F8 shortcut allows quick toggling without opening settings.

Open mouth to freeze cursor : Keeps the cursor still when you slightly open your mouth, making it easier to click on small targets.

4. Settings: Expressions

ACTIVE	EVENT	DETECTION THRESHOLD	ASSIGNMENT	STATUS
☐	Smile	0.738 - +	Right click ▼	● —
☐	Raised eyebrows	0.697 - +	Double click ▼	● Good
☒	Pucker	0.733 - +	Left click ▼	● —

Threshold: 0.100 = triggers with a minimal gesture, risk of false triggers — 0.950 = requires a deliberate and ample gesture

RESTORE MY CALIBRATION OK CANCEL

Settings apply in real time: every change takes effect immediately, without needing to click OK.

Active : Check to enable detection of the corresponding expression.

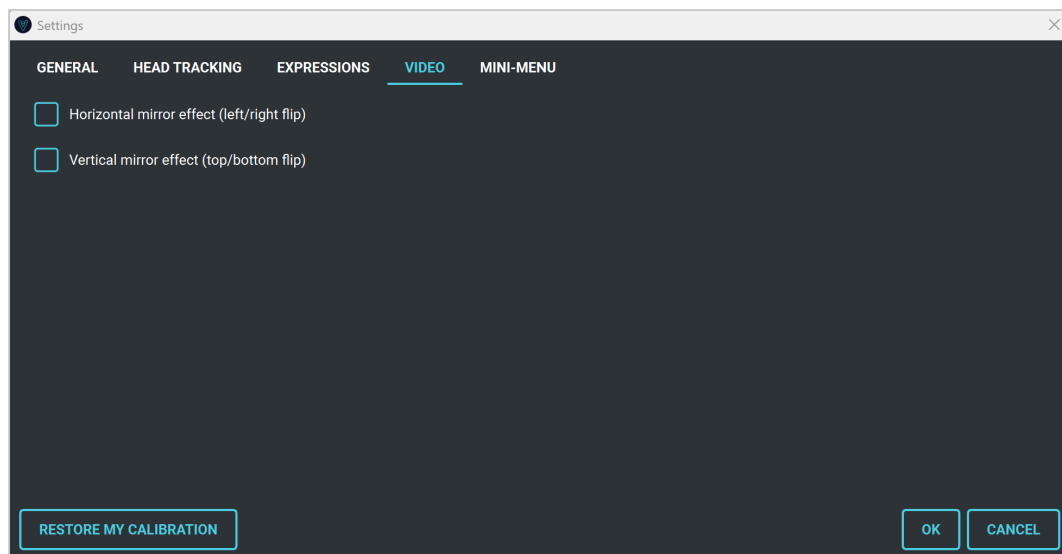
Event : Facial expression to detect. Each row of the table matches an available expression: smile, raised eyebrows, wink, frown...

Detection threshold : Value between 0.000 and 1.000 that controls detection sensitivity. A low value triggers with a minimal gesture, but risks unintentional false triggers. A high value requires a deliberate and ample gesture, more reliable but more demanding. Each expression has its own default value. Start with the value calibrated by the wizard, then adjust to your comfort.

Assignment : Action triggered by the expression: mouse click (left, right, scroll wheel...) or keyboard key. To assign, click the field then press the desired key or mouse button.

Status : Real-time indicator: lights up when the expression is detected.

5. Settings: Video

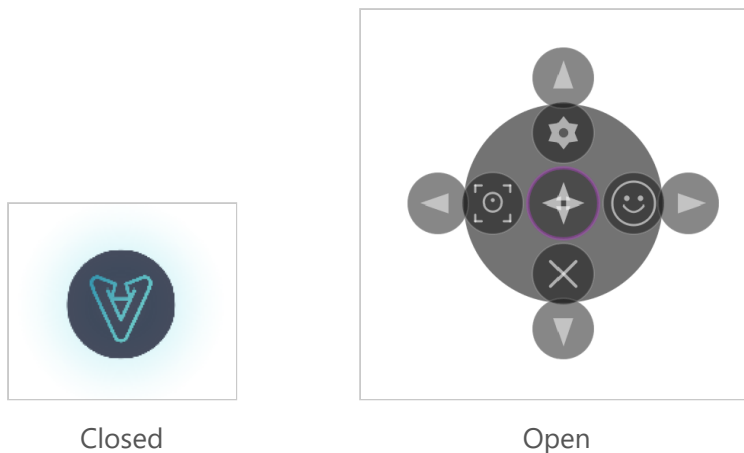


Horizontal mirror effect : Flips the image left to right. Use if your camera mirrors the image horizontally.

Vertical mirror effect : Flips the image upside down. Use if your camera mirrors the image vertically.

6. Floating mini-menu

The mini-menu is a floating dot always visible on screen. Hover over it or click it to open.



Menu open

Move : Central button. Repositions the mini-menu to the bottom-right of the screen.

Settings : Opens the full settings window.

Head tracking : Enables or disables head tracking.

Expressions : Enables or disables facial expression detection.

Close : Closes HeadControl.

Arrows : Moves the mini-menu to the corresponding edge of the screen (top, bottom, left, right).

Status circle colors

● **Cyan** : Everything is working normally.

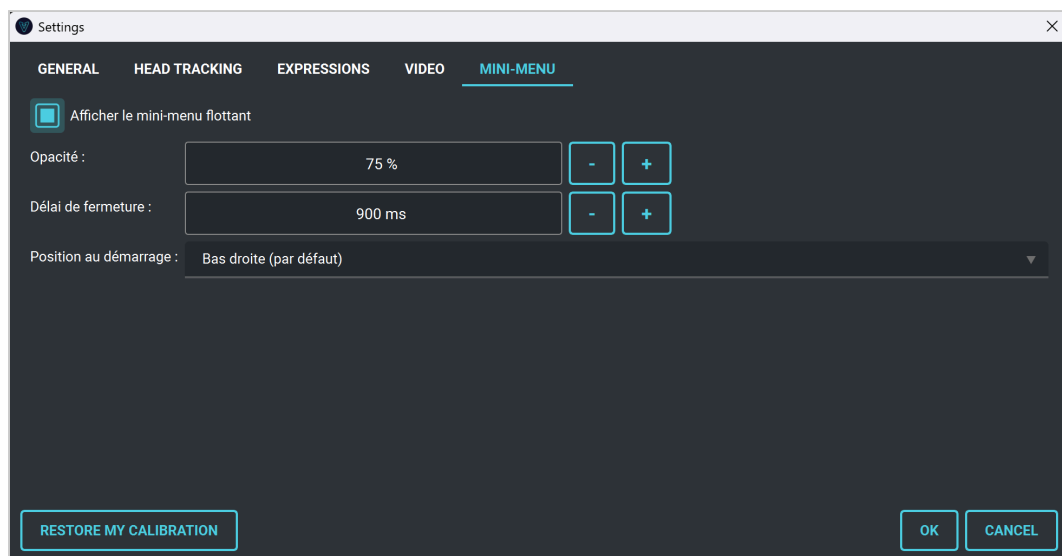
● **Purple** : Head tracking disabled.

● **Yellow** : Expressions disabled.

● **Orange** : Face not detected by the camera.

● **Red** : Camera error, check that the camera is connected and not in use by another application.

Mini-menu settings



Show floating mini-menu : Check to show or hide the mini-menu.

Opacity : Mini-menu transparency (20% = very transparent, 100% = opaque).

Close delay : Time in ms before automatic closure after the cursor leaves the menu.

Startup position : Initial position of the mini-menu when the application starts.

Have a question? Join the HeadControl community on [Reddit](#) : the team and the community will answer.