SYNVIO

DK519 FAQ

SynCapX Mouse Control and Manual Calibration

2026-11-04 | English

Q1 How do absolute and relative modes differ

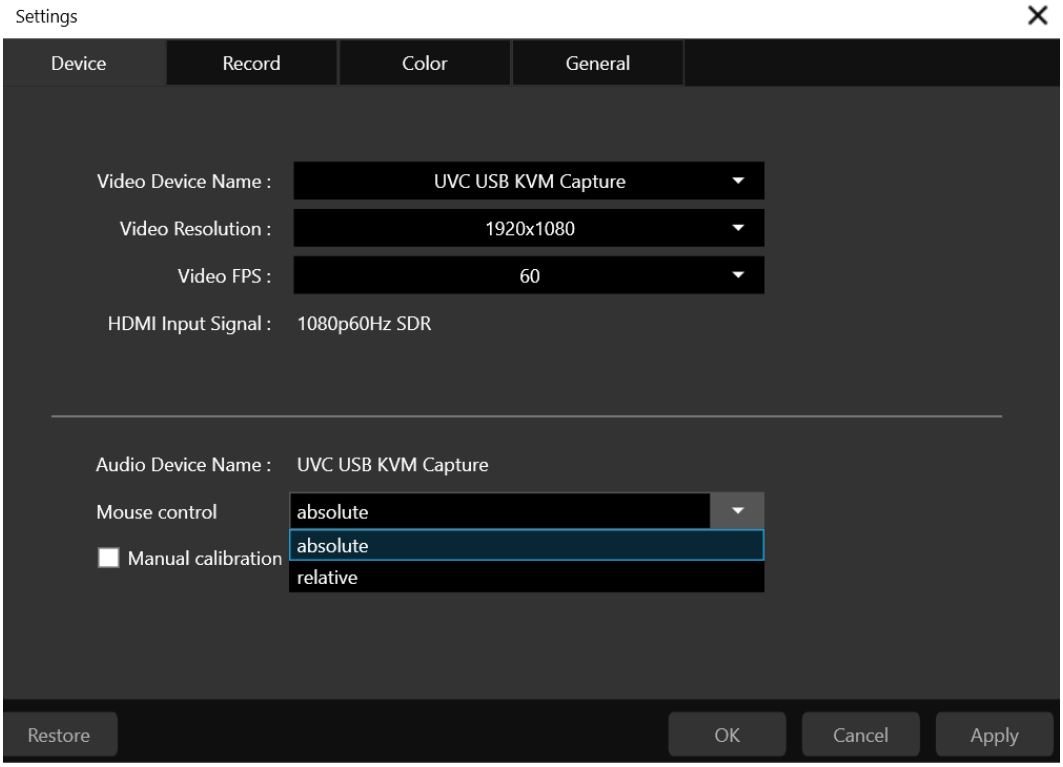
A: SynCapX provides two mouse control modes: absolute and relative.

absolute mode

Move the mouse pointer into the target device preview to begin controlling the target. Move it out of the preview to stop target control and return to the host computer.

relative mode

Move the pointer into the target device preview and click a mouse button to begin controlling the target. Press Esc to return control to the host computer.



The Mouse control options are on the Device tab in Settings.

Q2 How to correct pointer offset on a non 16:9 desktop

A-1: Use relative mode to avoid this issue.

A-2: In absolute mode, use manual calibration to define the desktop area in which the pointer can move.

If the desktop is centered with black padding around it and the host and target pointers do not align, use the four red dashed lines to mark the desktop edges. The following screenshots were taken using a DK519 with SynCapX 1.0.8.

In this example, the target desktop is 1440 × 900 and the capture format is 1920 × 1080, so black padding appears on both sides. The Windows display settings shown in the preview belong to the target computer. Use SynCapX Settings to configure the host application.

A-2-1 Before you begin

- Connect the DK519 host USB, target HDMI, and target USB control connections.
- Open SynCapX and confirm that the preview shows the target computer and updates normally.
- Make sure all four desktop edges are identifiable. If needed, use a wallpaper or maximized window on the target computer that makes the desktop edges easier to see.



Figure 1. Main window before calibration. The target desktop is centered, with black padding on both sides. The gear at the upper right opens SynCapX Settings. The top toolbar and bottom recording and audio controls belong to the host application.

Align the calibration boundaries with the entire target desktop, rather than the Windows Settings window, a folder, or black bars within a video. Black desktop wallpaper is still part of the desktop.

A-2-2 Open manual calibration

On the Device tab in Settings, set Mouse control to absolute, select Manual calibration, and click OK.

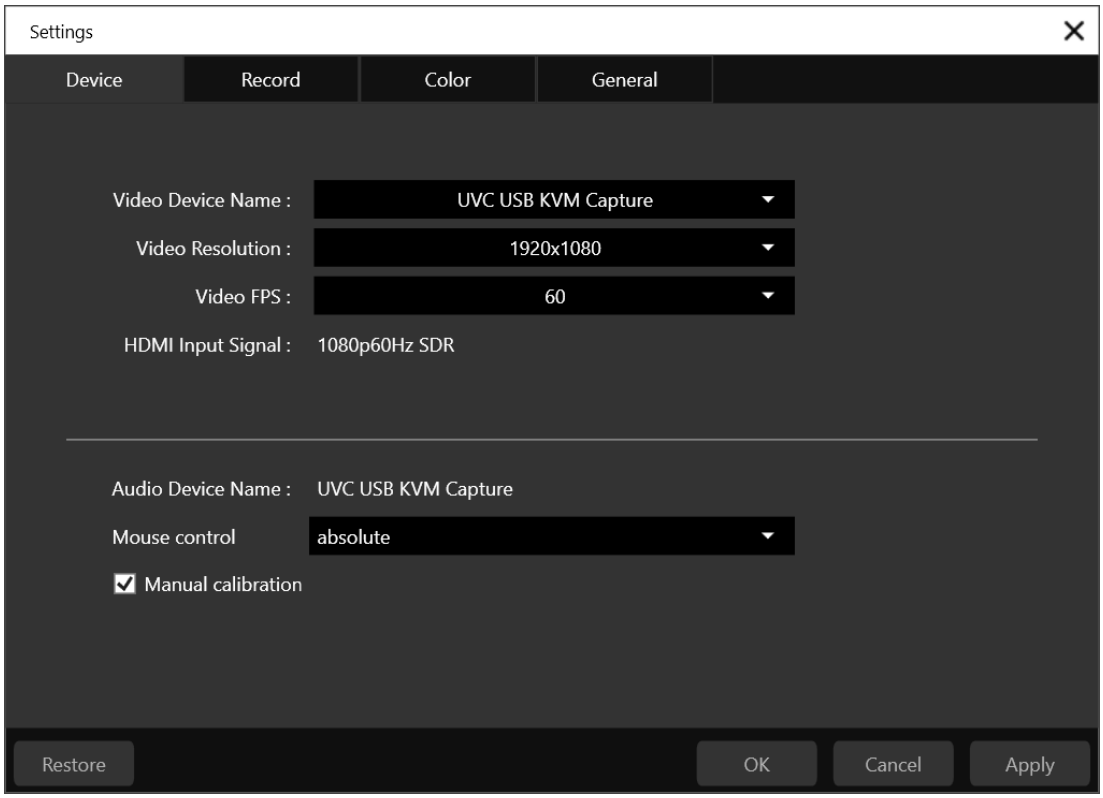


Figure 2. Select Manual calibration and click OK. The checkbox requests a calibration session for this time only. It will be cleared the next time Settings opens; completed calibration results remain saved.

Settings button	Result
OK	Saves settings, closes Settings, and starts the requested calibration session.
Apply	Saves general settings and keeps Settings open. Click OK to start calibration.
Cancel / Close at upper right	Discards a pending calibration request. General settings already saved with Apply are not reverted.

Manual calibration is not a third Mouse control mode and does not automatically switch relative mode to absolute mode.

A-2-3 Drag the four boundaries

When calibration starts, four red dashed lines appear along with Complete, Cancel, and Reset buttons at the upper left. During calibration, mouse and keyboard input is used for local calibration and is not sent to the target device.



Figure 3. Initial calibration. If no calibration has been saved, the four lines initially enclose the full capture frame. In this example, the left and right boundaries include the padding and must be moved inward. Lines at the outermost edges may be only partly visible.

Adjust the left and right boundaries

Move the pointer over the left or right vertical red line. Hold the left mouse button and drag, then release to finish the adjustment.

- Drag toward the center to narrow the desktop area.
- Drag outward to widen the desktop area.
- The opposite line moves symmetrically to keep the desktop area centered.



Figure 4. Left and right boundaries aligned. Dragging only the left line also moves the right line inward. Both vertical lines align with the edges between the desktop and padding. With no top or bottom padding, the horizontal lines remain at the desktop edges. The outer mask indicates areas excluded from absolute control.

Adjust the top and bottom boundaries

If the source has top or bottom padding, move the pointer over the top or bottom horizontal red line and drag while holding the left mouse button.

- Drag toward the center to reduce the desktop height.
- Drag outward to increase the desktop height.
- The opposite horizontal line moves symmetrically; the desktop width remains unchanged.

Adjust the horizontal and vertical boundaries independently. Drag near the middle of a line, avoiding corner intersections and buttons. Lines cannot cross the center or create an area with zero width or height.

If the window is too small and Enlarge the window to calibrate. appears, enlarge the window before adjusting the boundaries.

This feature applies to a desktop centered within the capture frame. Symmetric boundary adjustment cannot correctly represent asymmetric padding, cropped images, rotation, or mirroring.

A-2-4 Complete cancel and reset

After aligning all four lines, click Complete at the upper left to save.



Figure 5. Calibration completed. The lines, mask, and calibration buttons disappear, and the preview remains the same size. Calibration does not crop or enlarge the image; it saves the mouse control boundaries.

Calibration button / action	Result
Complete	Saves the current boundaries and exits calibration. They remain saved after restart.
Cancel	Discards current changes and retains previously saved boundaries.
Esc during calibration	Cancels the current session, with the same effect as Cancel.
Reset	Resets the current draft to the full capture frame. Click Complete to save.

To remove the existing boundary restriction, open Manual calibration again and click Reset → Complete. If you click Reset and then Cancel, the previous calibration is retained.

If Could not save calibration. Retry or cancel. appears, the calibration has not been saved. Retry Complete or click Cancel to discard the changes.

A-2-5 Control the target after calibration

Mouse control = absolute

Release the mouse button after completing calibration. Move the pointer into the calibrated desktop area to control the target without an initial click. Move it outside the desktop area, such as onto the padding, toolbar, or outside the window, to stop target control.

Move the pointer to the desktop center, near each corner, and to other positions to check alignment between the host and target pointers. If an offset remains, reopen calibration and check that all four lines align with the entire desktop edges.

Mouse control = relative

Operation is unchanged: click the preview to begin target control and press Esc to exit. Saved calibration does not reduce the control area in relative mode. The calibration is used when you switch back to absolute mode.

A-2-6 When to recalibrate

- The target device changes its desktop resolution or GPU scaling, the padding or desktop size.
- You switch to a different target computer or source with different desktop boundaries.
- The application displays Please recalibrate this source.

Recalibrate manually after the target desktop changes. Desktop content can change even if the displayed Video Resolution or HDMI Input Signal text remains the same. The application cannot automatically detect all such changes.

Normal window resizing and full-screen display use the same calibration proportions, so changing the window size does not require readjusting the lines. If an offset occurs, return to normal window mode and check the source edges first.

A-2-7 Troubleshooting

Situation	Action
No image, black screen, or frozen frame	Check the source and connections, and wake the target computer. Calibrate after the image returns.
Capture is not available for calibration. appears	Confirm that capture is working and only one source is available for calibration, then reopen calibration.
The right line moves when dragging the left line	This is normal. The area is always centered and both sides move symmetrically.
The checkbox is cleared the next time Settings opens	This is normal. It requests a single editing session and does not indicate that saved calibration is lost.
Red lines disappear after switching to another window	The current draft is canceled. Enter calibration again.
Black bars appear within a video	Calibrate to the entire desktop edges. Do not exclude black bars within the media player.