

Global Shortcut Isolation Test

Browser delivery of shortcut main-key presses and releases | macOS + Chrome

CODEPLUSONE / VALIDATION RECORD

Astra / Codex AI reviewed 23 / 23 PASS

23 activations | 0 browser main-key events

Tested: 24 September 2026, 19:22:12-19:22:57 EDT

PUBLIC EVIDENCE SHA-256 / public-evidence.json

65b2e00feb5186045405a941db0a6a2b9414393856ec5adf56fff86342e1400f

SIGNING KEY SHA-256 / DER public-key fingerprint

1abfb0d5882b03ba52859eebc44e557d11e0671f8bb483db70746faf78304d2d

Review basis: recorded activations, browser events, focus checks and an OFF/ON control. SHA-256 and detached signatures let recipients check evidence integrity. AI review under the Astra label; this is not independent certification. Signature details appear on page 4.

WHAT THE TEST VERIFIED

Shortcut activation: all 23 shortcuts recorded one activation each.
Browser main-key isolation: Chrome recorded zero matching keydown or keyup events across the run.
Modifier visibility: Command and Shift remained visible (58 events).

CONTROL AND FOCUS CHECKS

For Cmd + Shift + Up, the separate feature-OFF control recorded one browser keydown and one keyup. With the feature ON, one activation was recorded and neither arrow event reached the page. Each activation in the 23-shortcut run recorded Chrome foreground, page focus, and a page heartbeat less than two seconds old.

WHAT CODEX OBSERVED AND CHECKED

The test output showed 23 activation records, browser events and focus checks. The user supplied the physical keypresses; Codex assessed their recorded outcomes. I checked the retained counts and earlier package integrity. The supplied screenshot agrees with all 23 result rows (page 3). The recorded event data is unchanged; this edition reformats the report and adds the screenshot.

TEST BOUNDARY

The original run exercised the application shortcut component in a temporary harness with test counters. PASS covers those single presses. Packaged-app behavior, held repeats, recovery, other environments and website logging require separate testing. Exact build and platform versions were not established by the retained records.

New York time is a display convention, not a test-location statement. Physical input was user-supplied; Codex observed software-reported outcomes rather than independently witnessing the keyboard.

All 23 observed results

One recorded activation per shortcut; zero matching browser main-key events.

CODEPLUSONE / VALIDATION RECORD

ID	Shortcut	Activations	Browser down / up	Result
S01	Cmd + Up	1	0 / 0	PASS
S02	Cmd + Down	1	0 / 0	PASS
S03	Cmd + Left	1	0 / 0	PASS
S04	Cmd + Right	1	0 / 0	PASS
S05	Cmd + Return	1	0 / 0	PASS
S06	Cmd + E	1	0 / 0	PASS
S07	Cmd + Shift + minus	1	0 / 0	PASS
S08	Cmd + Shift + equals	1	0 / 0	PASS
S09	Cmd + Shift + Left	1	0 / 0	PASS
S10	Cmd + Shift + Right	1	0 / 0	PASS
S11	Cmd + Shift + Up	1	0 / 0	PASS
S12	Cmd + Shift + Down	1	0 / 0	PASS
S13	Cmd + D	1	0 / 0	PASS
S14	Cmd + backslash	1	0 / 0	PASS
S15	Cmd + 1	1	0 / 0	PASS
S16	Cmd + 2	1	0 / 0	PASS
S17	Cmd + 3	1	0 / 0	PASS
S18	Cmd + 4	1	0 / 0	PASS
S19	Cmd + 5	1	0 / 0	PASS
S20	Cmd + 6	1	0 / 0	PASS
S21	Cmd + 7	1	0 / 0	PASS
S22	Cmd + 8	1	0 / 0	PASS
S23	Cmd + 9	1	0 / 0	PASS

EVIDENCE INCLUDED

The attached public-evidence.json contains the 23 result rows, activation timestamps and focus observations, browser event records, and the separate OFF/ON control. Internal action names and binding configuration are withheld. These are labeled extracts, not unmodified originals.

The unchanged public evidence file and the supplied screenshot are embedded in this PDF and included in the companion ZIP. Original raw-log hashes remain provenance references in the extract; the private original logs are not distributed.

Completed test screen

Owner-supplied screenshot | Visual record of the completed 23-shortcut run

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Check all 23 app shortcuts

The same native shortcut handler as the app, with each action replaced by a test counter.

Finished — all test shortcuts released.

Return to Codex and say "done".

Press the shown shortcut, then release all keys. Keep Chrome on this page.

Finish and release shortcuts

⌘ = Command · ⇧ = Shift · Return = Enter · For ⌘⇧=, hold Command and Shift and press the =/+ key. Only this page's shortcut keys and X are recorded locally. All registrations expire after 15 minutes; closing this tab releases them within 10 seconds.

Shortcut	Action	Native count	Browser chord events	Result
⌘↑	scroll up	1	0	Intercepted
⌘↓	scroll down	1	0	Intercepted
⌘←	file previous	1	0	Intercepted
⌘→	file next	1	0	Intercepted
⌘Return	submit	1	0	Intercepted
⌘E	end	1	0	Intercepted
⌘⇧–	opacity down	1	0	Intercepted
⌘⇧=	opacity up	1	0	Intercepted
⌘⇧←	move left	1	0	Intercepted
⌘⇧→	move right	1	0	Intercepted
⌘⇧↑	move up	1	0	Intercepted
⌘⇧↓	move down	1	0	Intercepted
⌘D	discussion	1	0	Intercepted
⌘\	visibility	1	0	Intercepted
⌘1	step 1	1	0	Intercepted
⌘2	step 2	1	0	Intercepted
⌘3	step 3	1	0	Intercepted
⌘4	step 4	1	0	Intercepted
⌘5	step 5	1	0	Intercepted
⌘6	step 6	1	0	Intercepted
⌘7	step 7	1	0	Intercepted
⌘8	step 8	1	0	Intercepted
⌘9	step 9	1	0	Intercepted

Results saved locally. Modifier events are counted separately; the test measures Chrome delivery, not what a particular website records.

All 23 visible rows show native count 1, browser chord events 0, and Intercepted. This screenshot corroborates the retained result summary from the same test session.

SCREENSHOT SHA-256 / completed-test-screen.png

9fa8a09e82a5ee52c5ad32c9c40f2d16387e1413f8f34eccc9aed5bf51c4e5cf

Method and evidence verification

Behavioral procedure, retained evidence, and integrity checks

CODEPLUSONE / VALIDATION RECORD

DOCUMENTED TEST PROCEDURE

1. Establish a focused Chrome keyboard-event observation page and an independent indication of shortcut activation.
2. For the control shortcut, record browser events with the feature OFF, then repeat with it ON.
3. With the feature ON and Chrome focused, press each shortcut on page 2 once, releasing it before the next. Compare activation counts with browser main-key events; retain modifier activity as well.
4. Retain focus observations and timestamps. Report the observed counts, including any failures.

This describes the behavior tested, not the collection software or shortcut implementation. A new evaluator can use independently built observation tools. Reproduction on a new build or environment is a new test, not a result established by this report. The full run did not include a separate ordinary-key control for every shortcut.

WHAT RECIPIENTS CAN VERIFY

Extract public-evidence.json and compare its SHA-256 with the value on page 1. Inspect the per-shortcut rows and underlying browser/activation records to check the stated counts and focus observations. In the companion ZIP, verify the PDF and manifest signatures with the supplied public key, then compare every listed file hash with the manifest. Plain-text verification commands are supplied; no collection or feature code is included.

INTEGRITY AND IDENTITY

Fresh detached RSA-3072 / SHA-256 signatures protect this PDF and manifest against changes relative to the supplied key. Compare its fingerprint with a separately trusted record. This locally generated key has no external identity certificate or trusted timestamp; signatures do not authenticate collection-time events. Astra is the requested review label, not an independently authenticated model identity. This is not an OpenAI endorsement.

DISCLOSURE BOUNDARY

The package provides behavioral instructions, observation records and the owner-supplied screenshot. The screenshot shows user-facing action labels. Application source, collection scripts, internal component/API names, binding settings and private keys remain undisclosed. Recipients can inspect the outcomes and package integrity without receiving the collection implementation; original raw logs remain private.

REVIEW STATEMENT

I reviewed the retained evidence and found that it supports PASS for all 23 recorded single-press tests: each shortcut activated, and no matching main-key press or release appeared in the browser record. The separate control and focus observations support that finding. The supplied completion screenshot agrees with those result rows, and I checked the earlier package integrity. This approval applies to the documented test boundary, with collection methodology kept private.

Astra / Codex AI reviewed