

Web RTCP 5 Axis Button Control Evidence

Status: PASS
Job ID: btn-20260623091525-b35869f1
Report ID: report-btn-20260623091525-b35869f1
Target: http://127.0.0.1:41741/web-rtcp-5axis-sim-plan/app/index.html
Generated: 2026-06-23T09:15:25.426Z
Screenshots: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence

Checks

Check	Status	Evidence
HOME keeps all axes homed	PASS	{ "powerOn":true,"taskState":"on","mode":"manual","allHomed":true,"interpState":"idle","taskPaused":false}
RUN uses task/HAL runtime feedback	PASS	{ "sourceMode":"linuxcnc-task-motion-hal-wasm","line":3,"taskCycle":56,"currentVelocityMmPerMin":120,"axisPose":{ "x":0.999201,"y":0,"z":0,"a":0,"b":0,"c":0}}
PAUSE sets paused state	PASS	{ "powerOn":true,"taskState":"on","mode":"auto","allHomed":true,"interpState":"paused","taskPaused":true}
RESUME returns to reading	PASS	{ "powerOn":true,"taskState":"on","mode":"auto","allHomed":true,"interpState":"reading","taskPaused":false}
STEP records single stepping	PASS	{ "mode":"AUTO","interpState":"PAUSED","taskPaused":true,"singleStepping":true}
STOP aborts motion	PASS	{ "paused":false,"aborted":true}
Screenshots are nonblank	PASS	01-initial:0.7826, 02-program-loaded:0.7795, 03-before-home:0.7794, 04-after-home:0.7794, 05-ready-for-run:0.7794, 06-after-run:0.7795, 07-before-pause:0.7795, 08-after-pause:0.7795, 09-before-resume:0.7795, 10-after-resume:0.7794, 11-before-step:0.7795, 12-after-step:0.7795, 13-before-stop:0.7795, 14-after-stop:0.7795
Control buttons expose readiness attributes	PASS	RUN/STOP/PAUSE/RESUME/STEP/HOME

Steps

01-initial - Initial UI

Browser app loaded before machine preparation.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/01-initial.png

State: { "runState":"idle","machine":{ "powerOn":false,"taskState":"estop-reset","mode":"manual","allHomed":false,"interpState":"idle","taskPaused":false},"task":{ "mode":"MANUAL","interpState":"IDLE","taskPaused":false,"singleStepping":false},"motion":{ "paused":false,"aborted":false}}

02-program-loaded - Program loaded

Short operator G-code loaded through LinuxCNC interpreter WASM.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/02-program-loaded.png

State: { "runState":"idle","machine":{ "powerOn":false,"taskState":"estop-reset","mode":"auto","allHomed":false,"interpState":"idle","taskPaused":false},"task":{ "mode":"MANUAL","interpState":"IDLE","taskPaused":false,"singleStepping":false},"motion":{ "paused":false,"aborted":false}}

03-before-home - Before HOME

Machine powered on in manual mode before HOME.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/03-before-home.png

State: {"runState":"idle","machine":{"powerOn":true,"taskState":"on","mode":"manual","allHomed":false,"interpState":"idle","taskPaused":false},"task":{"mode":"MANUAL","interpState":"IDLE","taskPaused":false,"singleStepping":false},"motion":{"paused":false,"aborted":false}}

04-after-home - After HOME

HOME command preserves allHomed state in Web/task gate.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/04-after-home.png

State: {"runState":"idle","machine":{"powerOn":true,"taskState":"on","mode":"manual","allHomed":true,"interpState":"idle","taskPaused":false},"task":{"mode":"MANUAL","interpState":"IDLE","taskPaused":false,"singleStepping":false},"motion":{"paused":false,"aborted":false}}

05-ready-for-run - Ready for RUN

POWER, HOME, AUTO, and loaded G-code are ready before RUN.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/05-ready-for-run.png

State: {"runState":"idle","machine":{"powerOn":true,"taskState":"on","mode":"auto","allHomed":true,"interpState":"idle","taskPaused":false},"task":{"mode":"AUTO","interpState":"IDLE","taskPaused":false,"singleStepping":false},"motion":{"paused":false,"aborted":false}}

06-after-run - After RUN

RUN starts task/HAL backed program execution.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/06-after-run.png

State: {"runState":"running","machine":{"powerOn":true,"taskState":"on","mode":"auto","allHomed":true,"interpState":"reading","taskPaused":false},"task":{"mode":"AUTO","interpState":"READING","taskPaused":false,"singleStepping":false},"motion":{"paused":false,"aborted":false}}

07-before-pause - Before PAUSE

Program is running before PAUSE.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/07-before-pause.png

State: {"runState":"running","machine":{"powerOn":true,"taskState":"on","mode":"auto","allHomed":true,"interpState":"reading","taskPaused":false},"task":{"mode":"AUTO","interpState":"READING","taskPaused":false,"singleStepping":false},"motion":{"paused":false,"aborted":false}}

08-after-pause - After PAUSE

PAUSE sets runState paused and taskPaused true.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/08-after-pause.png

State: {"runState":"paused","machine":{"powerOn":true,"taskState":"on","mode":"auto","allHomed":true,"interpState":"paused","taskPaused":true},"task":{"mode":"AUTO","interpState":"PAUSED","taskPaused":true,"singleStepping":false},"motion":{"paused":true,"aborted":false}}

09-before-resume - Before RESUME

Program is paused before RESUME.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/09-before-resume.png

State: {"runState":"paused","machine":{"powerOn":true,"taskState":"on","mode":"auto","allHomed":true,"interpState":"paused","taskPaused":true},"task":{"mode":"AUTO","interpState":"PAUSED","taskPaused":true,"singleStepping":false},"motion":{"paused":true,"aborted":false}}

10-after-resume - After RESUME

RESUME returns task/HAL execution to running/reading.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/10-after-resume.png

State: {"runState":"running","machine":{"powerOn":true,"taskState":"on","mode":"auto","allHomed":true,"interpState":"reading","taskPaused":false},"task":{"mode":"AUTO","interpState":"READING","taskPaused":false,"singleStepping":false},"motion":{"paused":false,"aborted":false}}

11-before-step - Before STEP

Program is paused before STEP.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/11-before-step.png

State: {"runState":"paused","machine":{"powerOn":true,"taskState":"on","mode":"auto","allHomed":true,"interpState":"paused","taskPaused":true},"task":{"mode":"AUTO","interpState":"PAUSED","taskPaused":true,"singleStepping":false},"motion":{"paused":true,"aborted":false}}

12-after-step - After STEP

STEP sends EMC_TASK_PLAN_STEP and leaves task paused with singleStepping true.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/12-after-step.png

State: {"runState":"paused","machine":{"powerOn":true,"taskState":"on","mode":"auto","allHomed":true,"interpState":"paused","taskPaused":true},"task":{"mode":"AUTO","interpState":"PAUSED","taskPaused":true,"singleStepping":true},"motion":{"paused":false,"aborted":false}}

13-before-stop - Before STOP

Paused single-step state before STOP.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/13-before-stop.png

State: {"runState":"paused","machine":
{"powerOn":true,"taskState":"on","mode":"auto","allHomed":true,"interpState":"paused","taskPaused":true},"task":
{"mode":"AUTO","interpState":"PAUSED","taskPaused":true,"singleStepping":true},"motion":
{"paused":false,"aborted":false}}

14-after-stop - After STOP

STOP aborts task/HAL motion and returns interpreter state to idle.

Screenshot: /home/meswork/cnc_wams/qa/web-rtcp-5axis-site-test/screenshots/button-control-evidence/14-after-stop.png

State: {"runState":"stopped","machine":
{"powerOn":true,"taskState":"on","mode":"auto","allHomed":true,"interpState":"idle","taskPaused":false},"task":
{"mode":"AUTO","interpState":"IDLE","taskPaused":false,"singleStepping":false},"motion":
{"paused":false,"aborted":true}}