

Triple MIDI Controller, firmware for HX Stomp

Power: DC 9V (center negative)



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Layout select: press and hold button (A - layout 1, B - layout 2 or C - layout 3) while turning on the controller

layout 1 (TAP / FS4 / FS5)

MODE	A	B	C	AB	BC	ABC	A hold	B hold	C hold	AB hold	BC hold	ABC hold
PRESET MODE	1 / TAP	2 / TAP	3 / TAP	Bank down (FS4)*	Bank up (FS5)*	FS MODE	Tuner (exit any button)	SNAPSHOT MODE	LOOPER MODE	FS4 (Bank down)*	FS5 (Bank up)*	CC MODE
	A	B	C	AB	BC	ABC	A hold	B hold	C hold	AB hold	BC hold	ABC hold
SNAPSHOT MODE	Snapshot 1 TAP	Snapshot 2 TAP	Snapshot 3 TAP	Preset down (FS4)*	Preset up (FS5)*	FS MODE	Tuner (exit any button)	PRESET	LOOPER MODE	FS4 (Preset down)*	FS5 (Preset up)*	CC MODE
	A	B	C	AB	BC	ABC	A hold	B hold	C hold			ABC hold
FS MODE	TAP	FS4	FS5	Preset down	Preset up	PRESET	Tuner (exit any button)	SNAPSHOT MODE	LOOPER MODE			CC MODE
	A	B	C						C hold			
LOOPER MODE	REC / OVDB	PLAY / STOP	UNDO						EXIT LOOPER			
	A	B	C	AB	BC	ABC	A hold	B hold	C hold	AB hold	BC hold	ABC hold
CC MODE	CC #4 toggle	CC #5 toggle	CC #6 toggle	Preset down (FS4)*	Preset up (FS5)*	FS MODE	Tuner (exit any button)	PRESET	LOOPER MODE	FS4 (Preset down)*	FS5 (Preset up)*	SNAPSHOT MODE

layout 2 (FS4 / TAP / FS5)

MODE	A	B	C	AB	BC	ABC	A hold	B hold	C hold	AB hold	BC hold	ABC hold
PRESET MODE	1 / TAP	2 / TAP	3 / TAP	Bank down (FS4)*	Bank up (FS5)*	FS MODE	SNAPSHOT MODE	Tuner (exit any button)	LOOPER MODE	FS4 (Bank down)	FS5 (Bank up)	CC MODE
	A	B	C	AB	BC	ABC	A hold	B hold	C hold	AB hold	BC hold	ABC hold
SNAPSHOT MODE	Snapshot 1 TAP	Snapshot 2 TAP	Snapshot 3 TAP	Preset down (FS4)*	Preset up (FS5)*	FS MODE	PRESET	Tuner (exit any button)	LOOPER MODE	FS4 (Preset down)*	FS5 (Preset up)*	CC MODE
	A	B	C	AB	BC	ABC	A hold	B hold	C hold			ABC hold
FS MODE	FS4	TAP	FS5	Preset down	Preset up	PRESET	SNAPSHOT MODE	Tuner (exit any button)	LOOPER MODE			CC MODE
	A	B	C						C hold			
LOOPER MODE	REC / OVDB	PLAY / STOP	UNDO						EXIT LOOPER			
	A	B	C	AB	BC	ABC	A hold	B hold	C hold	AB hold	BC hold	ABC hold
CC MODE	CC #4 toggle	CC #5 toggle	CC #6 toggle	Preset down (FS4)*	Preset up (FS5)*	FS MODE	PRESET	Tuner (exit any button)	LOOPER MODE	FS4 (Preset down)*	FS5 (Preset up)*	SNAPSHOT MODE

layout 3 (FS4 / FS5 / TAP)

MODE	A	B	C	AB	BC	ABC	A hold	B hold	C hold	AB hold	BC hold	ABC hold
PRESET MODE	1 / TAP	2 / TAP	3 / TAP	Bank down (FS4)*	Bank up (FS5)*	FS MODE	SNAPSHOT MODE	LOOPER MODE	Tuner (exit any button)	FS4 (Bank down)*	FS5 (Bank up)*	CC MODE
	A	B	C	AB	BC	ABC	A hold	B hold	C hold	AB hold	BC hold	ABC hold
SNAPSHOT MODE	Snapshot 1 TAP	Snapshot 2 TAP	Snapshot 3 TAP	Preset down (FS4)*	Preset up (FS5)*	FS MODE	PRESET	LOOPER MODE	Tuner (exit any button)	FS4 (Preset down)*	FS5 (Preset up)*	CC MODE
	A	B	C	AB	BC	ABC	A hold	B hold	C hold			ABC hold
FS MODE	FS4	FS5	TAP	Preset down	Preset up	PRESET	SNAPSHOT MODE	LOOPER MODE	Tuner (exit any button)			CC MODE
	A	B	C					B hold				
LOOPER MODE	REC / OVDB	UNDO	PLAY / STOP					EXIT LOOPER				
	A	B	C	AB	BC	ABC	A hold	B hold	C hold	AB hold	BC hold	ABC hold
CC MODE	CC #4 toggle	CC #5 toggle	CC #6 toggle	Preset down (FS4)*	Preset up (FS5)*	FS MODE	PRESET	LOOPER MODE	Tuner (exit any button)	FS4 (Preset down)*	FS5 (Preset up)*	SNAPSHOT MODE

*configurable via MIDI received message

Triple firmware v. 3.72 configuration

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Terminal commands:

Command:	Argument:	Description
help		List of Commands
ttbtn	0/1/2	Layout type
holdtime	10-2550	Long press time (milliseconds)
hxchannel	1-16	MIDI Channel
presetsubmode	0/1	Preset Mode buttons function (A+B, B+C) 0-Bank, 1-FS
snapshotsubmode	0/1	Snapshot Mode buttons function (A+B, B+C) 0-Preset, 1-FS
ccsubmode	0.1	CC Mode buttons function (A+B, B+C) 0-Preset, 1-FS
thru	0/1	Turn THRU on/off (1-on)

Examples: ttbtn 1 Enables Layout 2
 holdtime 500 Button long press time set to 500 ms
 hxchannel 4 MIDI Channel set to 4
 ccsubmode 1 A+B = FS4, B+C = FS5

Configuration via received MIDI messages:

send CC on channel 16:

CC num:	Value	Description
127	0/1	Thru Off / On
126	0/1/2	Layout 1 / 2 / 3
125	0/1	Snapshot Mode buttons function (A+B, B+C) 0-Preset, 1-FS
124	0-16	MIDI Channel for HX Stomp functions
123	1-127	Long press time (milliseconds divided by 20) [example: 600 ms = value "30"]
122	0/1	Preset Mode buttons function (A+B, B+C) 0-Bank, 1-FS
121	0/1	CC Mode buttons function (A+B, B+C) 0-Preset, 1-FS

LED rings control:

Channel same as for HX Stomp functions

CC num:	Value	Description
4	0/127	CC Mode: LED Ring button A off/on
5	0/127	CC Mode: LED Ring button B off/on
6	0/127	CC Mode: LED Ring button B off/on
69	0/1/2	Snapshot Mode: LED Ring A/B/C blink