

Triple MIDI Controller, firmware for HX Stomp

Power: DC 9V (center negative)



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*Layout selection: 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 in Setup Mode / via MIDI received message / USB terminal

Setup Mode - hold A+C to enter/exit

In Setup Mode RGB LED is blinking.

MODE	A	B	C	AB	BC	AC hold
page 1	THRU ON/OFF	BANK CHANGE CANCEL	-	-	next setup page	exit setup
	A	B	C	AB	BC	AC hold
page 2	Preset mode AB/BC switch	Snapshot mode AB/BC switch	CC mode AB/BC switch	previous setup page	previous setup page	exit setup
	A	B	C	AB	BC	AC hold
page 3 MIDI CHANNEL	MIDI Channel -1	-	MIDI Channel +1	previous setup page	-	exit setup

THRU - forward incoming MIDI messages on MIDI IN port to MIDI OUT port

Bank change cancel - cancel bank change if no preset is chosen within 5 seconds

AB/BC switches - swap A+B/B+C click and hold fuctions (according to spec-sheet)

example: in preset mode: A+B click will switch bank down, A+B hold can trigger FS4
These functions can be swapped: A+B click triggers FS4, A+B hold will switch bank down
Check functions spec-sheet (layouts 1/2/3)

MIDI Channel is displayed with LED Rings and RGB LED color

RGB LED yellow color - channels 1-8

RGB LED azure color - channels 9-16

MIDI Channel: (RGB color:)	LED ring A	LED ring B	LED ring C
1	OFF	OFF	ON
2	OFF	ON	OFF
3	OFF	ON	ON
4	ON	OFF	OFF
5	ON	OFF	ON
6	ON	ON	OFF
7	ON	ON	ON
8	OFF	OFF	OFF
9	OFF	OFF	ON
10	OFF	ON	OFF
11	OFF	ON	ON
12	ON	OFF	OFF
13	ON	OFF	ON
14	ON	ON	OFF
15	ON	ON	ON
16	OFF	OFF	OFF

Triple firmware v. 3.82 configuration via terminal or MIDI

kgmidicontrollers.com/terminal

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
bankcancel	0/1	Cancel bank change after set time (in Preset Mode)
banktimeout	1-127	Bank cancel timeout (seconds)
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:

Functions of the controller can be changed, if controller receives specific MIDI message on **MIDI 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
120	0/1*	Cancel bank change after set time (in Preset Mode)
119	0-127	Bank cancel timeout (seconds)

* CC value 0 = off, value 1 or more = on

LED rings control:

LED rings can be controlled in *CC mode* and *Snapshot mode* with incoming CC MIDI messages (check Command Center in HX Stomp)
In *Preset Mode* PC (program change) MIDI message selects LED ring to show currently selected preset (check PC TX in HX Stomp Global settings)

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
96	0/1/2	Snapshot Mode: LED Ring A/B/C blink

