

Triple I/O 2

Owner's manual






Firmware v 1.04 (for HX Stomp)

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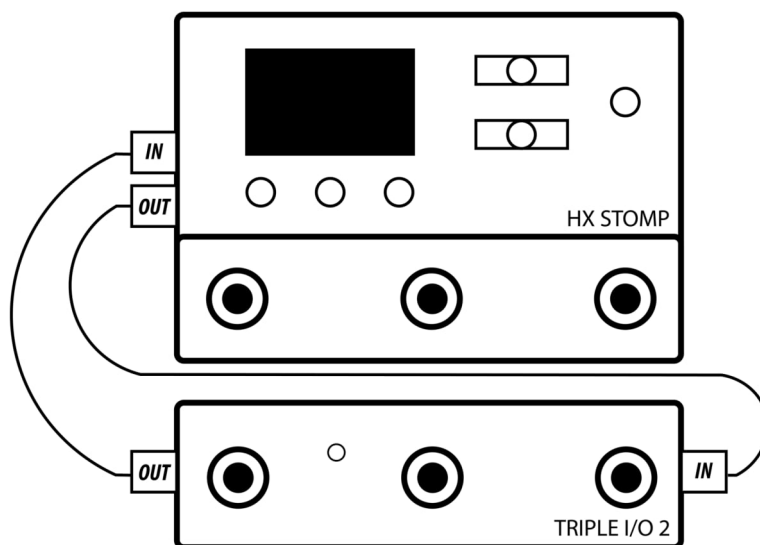
The hardware

Triple I/O 2 is a MIDI controller with 3 soft press footswitches, RGB LED rings button backlight and RGB LED mode indicator.

<p>Left side</p> 	<p>Right side</p> 
<p>MIDI OUTPUT DIN-5 socket USB type C socket (power & firmware upgrade) Power input socket (2.1/5.5 mm)</p>  <p>9 V  DC/200mA</p>	<p>MIDI INPUT DIN-5 socket</p>
<p>Top side</p>	
	
<p>Buttons A, B and C with RGB LED rings RGB LED mode indicator between buttons A and B</p>	

Triple I/O 2 & HX Stomp

Quick start – if Triple I/O 2 will be the only one MIDI device that you’re going to use with HX Stomp – just connect HX Stomp and Triple using two MIDI cables:



In HX Stomp Global settings set:

Global Settings > MIDI/Tempo

MIDI Base Channel – same as set in Triple I/O 2 (default channel 1)

Disable MIDI Thru

Enable MIDI PC Tx (MIDI OUT port or both MIDI and USB)

Global Settings > Footswitches

Set FS4/FS5 function according to your needs ([check page 42 of HX Stomp owner's manual](#))

Operation of controller

Controller can react to presses of buttons in many combinations:

1. Short press (click) or long press (hold) of single button.
2. Short press (click) or long press (hold) of two buttons at the same time.
3. Short press (click) or long press (hold) of three buttons at the same time.

Modes of controller

Triple I/O 2 can work with HX Stomp in one of 5 modes, each mode is indicated by color of the MODE RGB LED

1. Preset mode (white*)
2. Snapshot mode (green*)
3. FS mode (purple*)
4. CC mode (orange*)
5. Looper mode (blue*)

Modes navigation

A+B hold = previous controller mode (in cycle Preset / Snapshot / FS / CC)

B+C hold = next controller mode (in cycle Preset / Snapshot / FS / CC)

B hold = enter/exit Looper mode

A+C hold = controller setup mode

Global functions

A+C click = enable/disable TAP tempo (in preset and snapshot mode), enable/disable tap blink in FS mode

C hold = HX Stomp tuner

A+B click = preset scroll down (in Snapshot, FS and CC mode)

B+C click = preset scroll up (in Snapshot, FS and CC mode)

Mode specific functions

1. Preset mode – buttons A, B and C recall presets in range 0-125 or trigger TAP tempo*.
A+B = scroll bank down (bank change is indicated by split red-white color of LED ring)
B+C = scroll bank up (bank change is indicated by split red-white color of LED ring)
press and hold any button to cancel last bank change
2. Snapshot mode – buttons A, B and C recall snapshots 1/2/3 in HX Stomp or trigger TAP tempo*
3. FS mode – buttons A and B trigger FS4 and FS5, button C is TAP tempo and Tuner on C hold.
4. CC mode – buttons A, B and C send CC toggle MIDI message (CC number #4, #5, #6).
5. Looper mode:
button A = record / overdub
button B = undo / exit Looper on B hold
button C = play / stop

* if TAP tempo is enabled, first press of button trigger preset/snapshot message, next presses of the same button trigger TAP tempo

Configuration (setup mode)

In setup mode RGB LED blinks.

Navigation:

A+B = first page of setup mode

B+C = second page of setup mode

First page of setup mode (white LED rings):

A – toggle THRU on/off

B – toggle exit tuner any button

C – toggle two buttons combo (A+B and B+C presses) in Snapshot, FS and CC mode

Second page of setup mode – MIDI channel is shown on LED rings in binary format

A = channel scroll down

C = channel scroll up

Channel number:	1	2	3	4
Rings A B C:	0 0 1	0 1 0	0 1 1	1 0 0
Channel number:	5	6	7	8
Rings A B C:	1 0 1	1 1 0	1 1 1	0 0 0
Channel number:	9	10	11	12
Rings A B C:	0 0 1	0 1 0	0 1 1	1 0 0
Channel number:	13	14	15	16
Rings A B C:	1 0 1	1 1 0	1 1 1	0 0 0

Green rings: channel 1-7, Aqua rings: channel 8, Red rings: channel 9-15, Yellow rings: channel 16

Factory reset:

Press and hold all buttons (A+B+C) when connecting power to the Triple I/O 2.

Firmware upgrade mode:

press and hold A+C when connecting USB to the Triple I/O 2

MIDI input and LED rings control

Triple I/O 2 can receive and interact with incoming MIDI messages from HX Stomp.

In preset mode incoming Program Change MIDI on channel set in setup mode (default channel 1) messages will synchronize selected preset and bank.

Incoming CC messages on channel 16 can control LED rings color and brightness of light (only in FS and CC mode)

CC number	Description
1	Control LED ring A and CC #4 toggle state in CC mode
2	Control LED ring B and CC #5 toggle state in CC mode
3	Control LED ring C and CC #6 toggle state in CC mode
4	Control LED ring A in FS mode
5	Control LED ring B in FS mode

Value	LED ring state	LED ring color
0	Dimmed	White
1-9	Bright	
10	Dimmed	Red
11-19	Bright	
20	Dimmed	Dark orange
21-29	Bright	
30	Dimmed	Light orange
31-39	Bright	
40	Dimmed	Yellow
41-49	Bright	
50	Dimmed	Green
51-59	Bright	
60	Dimmed	Aqua
61-69	Bright	
70	Dimmed	Blue
71-79	Bright	
80	Dimmed	Purple
81-89	Bright	
90	Dimmed	Pink
91-99	Bright	

Firmware upgrade

Boot controller in firmware upgrade mode - press and hold A+C when connecting USB to the Triple I/O 2 (controller must be off before plugging USB, disconnect DC power before firmware upgrade)

Connect USB to your PC, controller will show up as new USB drive. Copy new firmware file (.uf2) to main folder of USB drive. Firmware will be installed instantly and controller will reboot.

Quick guide

Mode navigation and global functions				
Mode order (mode indicator color)	Preset mode (white)	Snapshot mode (green)	FS mode (purple)	CC mode (orange)
A+B hold	Previous mode		C hold	Tuner
B+C hold	Next mode			
B hold	Looper Mode (blue)		A+C hold	Setup mode (blink white)

Preset mode (white)	Button A	Button B	Button C
*preset number depends on selected bank ** if TAP enabled (A+C)	Recall preset #1* (or TAP**)	Recall preset #2* (or TAP**)	Recall preset #3* (or TAP**)
A+B	Previous bank (hold any button to cancel)		
B+C	Next bank (hold any button to cancel)		
A+C	Enable/disable TAP on any button		

Snapshot mode (green)	Button A	Button B	Button C
* if TAP enabled (A+C)	Recall snapshot 1 (or TAP*)	Recall snapshot 2 (or TAP*)	Recall snapshot 3 (or TAP*)
A+B	Preset scroll down		
B+C	Preset scroll up		
A+C	Enable/disable TAP on any button		

FS mode (purple)	Button A	Button B	Button C
	FS4	FS5	TAP
A+B	Preset scroll down		
B+C	Preset scroll up		
A+C	Enable/disable TAP blink		

CC mode (orange)	Button A	Button B	Button C
	CC #4 toggle	CC #5 toggle	CC #6 toggle
A+B	Preset scroll down		
B+C	Preset scroll up		

Looper Mode (blue)	Button A	Button B	Button C
	Record / Overdub	Undo	Play / Stop

Setup mode (blink white)	Button A	Button B	Button C
Page 1	THRU toggle	Exit tuner any button	Two buttons combo toggle
Page 2	MIDI channel -1	-	MIDI channel +1