

# Triple I/O 2

Owner's manual  
Firmware v 1.03 (for HX Stomp)

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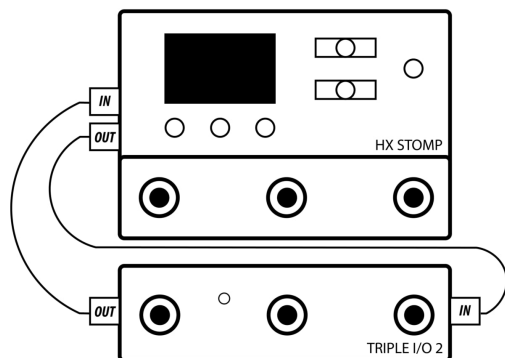
## The hardware

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<br/>USB type C socket (power &amp; firmware upgrade)<br/>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<br/>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

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         |                |
| 11-19 | Bright         | Red            |
| 20    | Dimmed         |                |
| 21-29 | Bright         |                |
| 30    | Dimmed         | Dark orange    |
| 31-39 | Bright         |                |
| 40    | Dimmed         |                |
| 41-49 | Bright         | Light orange   |
| 50    | Dimmed         |                |
| 51-59 | Bright         |                |
| 60    | Dimmed         | Yellow         |
| 61-69 | Bright         |                |
| 70    | Dimmed         |                |
| 71-79 | Bright         | Green          |
| 80    | Dimmed         |                |
| 81-89 | Bright         |                |
| 90    | Dimmed         | Aqua           |
| 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       |                       |                          |                  |
| B+C hold                             | Next mode           |                       |                          |                  |
| B hold                               |                     |                       |                          |                  |
|                                      | Looper Mode (blue)  |                       |                          |                  |
|                                      |                     | A+C hold              |                          |                  |
|                                      |                     |                       | C hold                   | Tuner            |
|                                      |                     |                       | Setup mode (blink white) |                  |

| Preset mode (white)                                                | Button A                                  | Button B                     | Button C                     |
|--------------------------------------------------------------------|-------------------------------------------|------------------------------|------------------------------|
| *preset number depends on selected bank<br>** 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 | -               |
| Page 2                   | MIDI channel -1 | -                     | MIDI channel +1 |