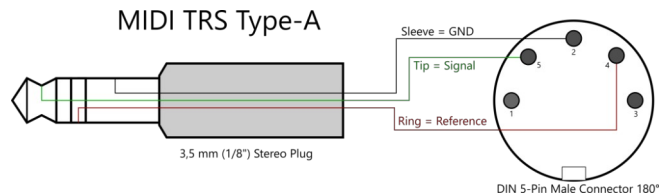


HYDRA4X

Quick Start

Connections

- **Input:** A mono (TS) instrument input. Connect a guitar, bass, or the output of any instrument or pedal here.
- **Output:** A mono (TS) output . Connect an amplifier or the input of any subsequent effects or audio devices here.
- **SEND R/G/B/Y:** Connect the input of your effects devices here. As the output these are mono (TS) outputs and can also be used as a regular output, for example, to use the HYDRA4X as a splitter.
- **RTRN R/G/B/Y:** Connect the outputs of your effects devices here. As the input, these are mono (TS) instrument inputs and can also be used as a regular input, for example, to use the HYDRA4X as an input selector.
- **+9VDC:** Power Supply. 9VDC only, Center Negative, Boss Style. Min. 150mA.
- **MIDI In:** 3.5mm (1/8") MIDI Input according to MIDI Standard *MIDI TRS Type-A*.
- **MIDI Thru:** 3.5mm (1/8") , latency free MIDI Thru according to MIDI Standard *MIDI TRS Type-A*



Controlling the Loop Order

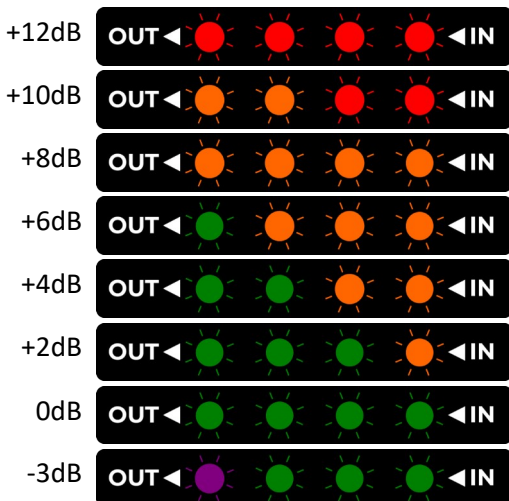
Press the button corresponding to the loop you want to set. This will be the first in the signal path. The next button you press is the second in the signal path and so on. Press a button again to disable the loop, but keep the position. Press the white button (labeled *Back*) to reset the loops.

Controlling the Loop Volume

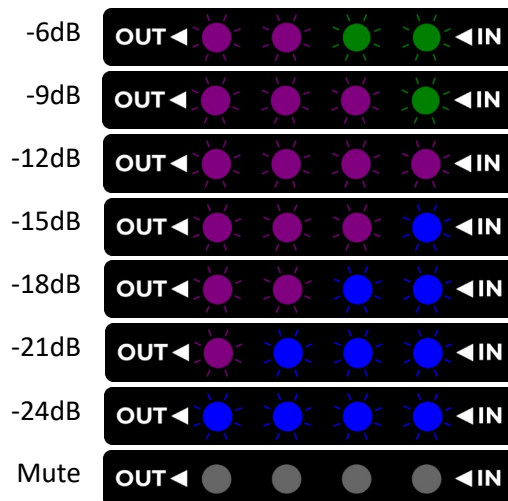
To set the volume of the *Loop Volume* block, press and hold the red button. It is labeled **Loop Vol**. The rightmost LED starts flashing red. You can now set the volume with the red and yellow buttons (labeled + and -). At 0dB the volume block is switched off and removed from the signal path automatically.

When you're done setting up the volume, press the white button (labeled *Back*), to leave volume setting.

Volume LEDs



Volume LEDs



Controlling the Loop Volume Position

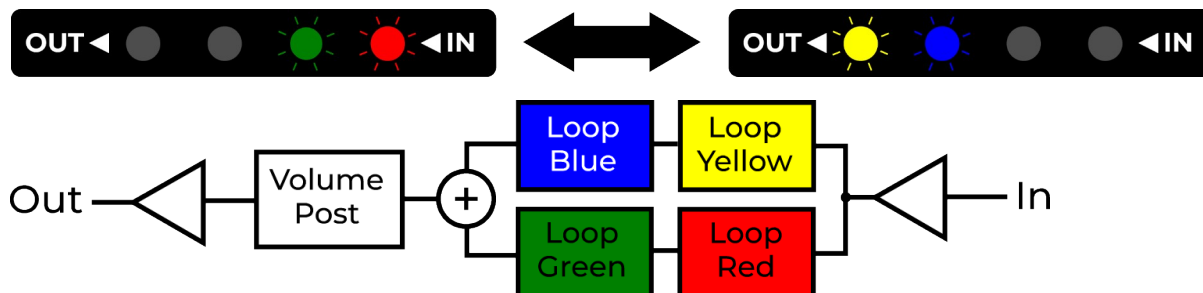
To set that up the position of the loop volume block press and hold the green button. It is labeled **Vol Pos**. You can now select the loop to which the volume loop is tied to using the red and yellow buttons (labeled + and -). Lighting up means volume is in front, blinking means volume is behind the corresponding loop. If all LEDs light up, volume is in front of all loops.

When you're done setting up the position, press the white button (labeled *Back*), to leave volume position setting.

Mixer

The mixer can be used for trails or for parallel loops. To set that up press and hold the blue button. It is labeled **Mixer**. The rightmost LED starts flashing blue.

- **Trails:** To select a loop as Trails loop, just press the corresponding button. To deselect the loop, press the button again.
- **Parallel Loops:** To select parallel loops, press and hold the corresponding buttons for the first parallel branch, then press and hold the corresponding buttons for the second branch. If you want to have more than one loop in a branch, hold the corresponding buttons together. The LEDs are slowly flashing and alternate between the first and second branch. For example, hold buttons Red and Green followed by Yellow and Blue and you get loops Red and Green parallel to Yellow and Blue:



If you want to select only one branch for a clean blend, press and hold the buttons a second time.

When you're done setting up the mixer, press the White button (labeled *Back*), to leave mixer settings.

Post Volume

To set the volume of the *Post Volume* block, press and hold the yellow button. It is labeled **Post Vol**. The rightmost LED starts flashing yellow. Setting the volume is just like Controlling the Loop Volume.

Presets

The **HYDRA4X** can save the current setting to one of 128 presets to be recalled with a MIDI PC command.

Press and hold the white button. All LEDs start flashing white. Now send a PC command and the setting is saved and can be recalled with that exact PC command.

By recalling a preset, the following settings will get recalled: loop state, loop order, loop- and post volume, loop volume position and the mixer state.

Setting the MIDI Channel

The **HYDRA4X** ships in omni mode (i.e. it responds to any channel).

To change the MIDI channel, proceed as follows:

1. Disconnect the device from the power supply
2. Press and hold the **White Button** and restore the power while the button is pressed.
3. After the boot process is complete, the LED above the white button starts to flash white. Press the white button according to the number of the desired channel (e.g. twice for channel 2). The **HYDRA4X** acknowledges this by emitting short flashing pulses corresponding to the number of the channel.
4. Once the desired channel is set, press and hold the white button until the LED stops flashing.
5. Disconnect the supply voltage. The next time the **HYDRA4X** is started, it reacts to the selected MIDI channel.

To put the **HYDRA4X** in omni mode skip step 3.

For the complete set of commands and functions download the user manual at: <https://oscillatordevices.com/hydra>