

Goblin-EXP in EHX Pitch Fork

Bypass

CC	#	Function
10	00	Turn off (with Latch mode activated)
	01	Turn on (with Latch mode activated)
	02	Toggle (with Latch mode activated)
	03	Hold (with Latch mode deactivated)
	04	Release (with Latch mode deactivated)

Semitones w/ shift at 1 octave

(The actual values may vary depending on tolerances of the potentiometer)

CC	#	Function
52	0	0 semitones
52	21	1 semitones
52	42	2 semitones
52	63	3 semitones
52	83	4 semitones
52	104	5 semitones
52	125	6 semitones
53	18	7 semitones
53	39	8 semitones
53	59	9 semitones
53	77	10 semitones
53	96	11 semitones
53	117	12 semitones (From 117 to 127)

Expression (Pitch)

For expression to work properly, the latch mode has to be deactivated.

CC	#	Function
50	0...127	Unity (0) to full shift (127)
51	0...127	Full shift (0) to unity (127)
52	0...127	Unity (0) to half shift (127) with full resolution
53	0...127	Half shift (0) to full shift (127) with full resolution

Mode Switch

For the mode switch control to work properly, leave the actual switch in the middle position

CC	#	Function
30	00	Dual (Shift up and down)
	01	Shift up
	05	Shift down

MIDI Channel

The **Goblin**'s MIDI channel is adjustable. To change the MIDI channel, proceed as follows

1. Disconnect the device from the power supply
2. Press the bypass button and restore the power supply while it is pressed. The device starts to flash its LED after the startup delay has elapsed.
3. Press the button according to the number of the desired channel (e.g. twice for channel 2). The **Goblin** acknowledges this by emitting short flashing impulses according to the number of the channel.
4. Once the desired channel is set, press the button and hold it down until the **Goblin** switches off completely.
5. Disconnect supply voltage. The next time the **Goblin** is started, it reacts to the selected MIDI channel.

To put the **Goblin** in omni mode (i.e. it responds to every channel) skip step 3.