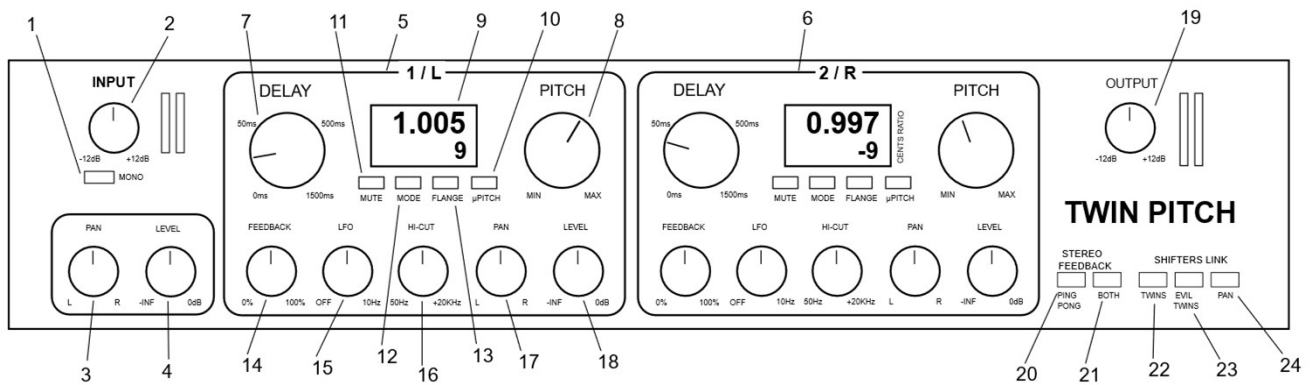


TWIN PITCH

USER GUIDE



1. **Mono switch** If pushed, left and right input are mixed to mono before being processed.
2. **Input gain** Adjust gain from -12dB to +12dB
3. **Dry signal panning**
4. **Dry signal level**
- 5&6. **Pitch shifting modules** When input signal is stereo, module 1 / L is processing the left input channel and module 2 / R is processing the right input channel.
7. **Delay (0 to 1500ms)**
8. **Pitch ratio** Knob ranges from -1200 to 1200 cents (-1 octave to +1 octave). When μ Pitch button is on, the range becomes -50 to +50 cents.
9. **Pitch ratio display** Display the current pitch shifting amount. First line in ratio, second line in cents.
10. **μ Pitch** Switch to micro pitch mode, pitch knob range is then -50 / +50 from fine detuning.
11. **Mute** Switches off the whole module. No sound is output from this module.
12. **Mode** When using pitch shifting, select between two simulations.
Mode 1 (switch off) simulates a deglitched pitch shifter.
Mode 2 (switch on) simulates more vintage shifter with no de-glitching, and clock instability.
When using Flange:
Mode 1: Flange between 0ms to 12.5ms delay range.
Mode 2: Flange between 6.25ms to 18.75ms delay range.
13. **Flange mode** The shifter module behaves as a flanger, the Pitch knob selects the flange speed (Classic flanger speed is quite low, and the pitch knob should be used in micro-pitch mode)
14. **Feedback** Amount of processed signal, from 0% to 100%, that is reinjected into the module's input.
15. **LFO** LFO frequency from 0 (off) to 10Hz. With LFO On, the pitch ratio will vary from its value to -value.
16. **Hi-Cut** Low pass filter from 50Hz to 20KHz
17. **Pan** Module's output panning. As module 1 uses left input channel and module 2 uses right input channel, to keep the same stereo distribution, set shifter 1 to full left and shifter 2 to full right. You can use the panning link button for this.
18. **Level** Output level of the module's output signal.
19. **Output gain** Adjust global output (dry+both modules) from -12dB to +12dB
20. **Ping Pong** When on, feedbacks are swapped: Module 1's feedback uses output from module 2 and module 2's feedback uses output from module 1.
21. **Both** When on, both feedbacks use both modules' outputs.
22. **Twins** If on, both modules' controls are linked. Can be used with Pan link to keep the stereo consistency.
23. **Evil twins** If on, both modules' controls are linked, but pitch is inverted. Can be used with Pan link to keep the stereo consistency.
24. **Pan link** Both modules' panning controls are linked and inverted (ex. If module 1 panning is set 60% left, module 2 will be 60% right)