

The Parameters of the 572

The 572 is a module containing four sections: a phase shifter, delay, LFO, and gate delay.

PHASE SHIFTER section

MOD

Specifies how much the center frequency of the phase shift will change.

* At the "0" position, the center frequency does not change; the frequency is fixed at the setting of "SHIFT FREQ." At the "10" position, the frequency changes at the proportion of one octave per volt.

EXT CV

If you want to use an external source to control the center frequency of the phase shift, input a voltage to this jack.

* If nothing is connected to this jack, the center frequency changes according to the output of LFO OUT (∨, ∨).

SHIFT FREQ

Specifies the center frequency of the phase shift.

IN/ OUT

These jacks are the source input to and the output from the PHASE SHIFTER section.

RESONANCE

Adjusts the amount of feedback that accentuates the phase shift effect.

MIX

Adjusts the balance between the source and the phase shift effect.

EXT CV

If you want to use an external source to control the balance between the source and the phase shift effect, input a voltage to this jack.

LFO section

The LFO of the 572 module is designed so that the output voltage decreases as the frequency rises, so that it can be used to modulate the phase shifter or delay.

FREQUENCY

Specifies the frequency of the LFO. The frequency of the LFO is shown by the indicator located beside the knob.

* If nothing is connected to the "MOD - EXT CV" jack of the PHASE or DELAY, the LFO changes at the rate specified by FREQUENCY.

LFO OUT

These jacks output the frequency specified by FREQUENCY as a triangle wave and an inverted triangle wave.

DELAY section

MOD

Specifies the amount by which the delay changes.

* At the "0" position, the delay time is fixed at the "DELAY TIME" setting. At the "10" position, the maximum change in delay time occurs.

EXT CV

If you want to use an external source to control the delay time, input a voltage to this jack.

* If nothing is connected to this jack, the amount of delay changes according to the LFO OUT (∨, ∨) output.

DELAY TIME

Specifies the delay time.

* 572 has BBD (Bucket Brigade Device). The longer the delay time the more noisy its clock repeats. You can use 521 LPF to reduce or eliminate the clock noise.

IN/ OUT

These jacks are the source input to and the output from the DELAY section.

RESONANCE

Adjusts the amount of feedback that accentuates the delay effect. By adding feedback with a short delay time, you can obtain a flanger effect.

MIX

Adjusts the balance between the source and the delay sound.

EXT CV

If you want to use an external source to control the balance between the source and delay sound, input a voltage to this jack.

GATE DELAY section

THRESH

Specifies the voltage level that is output by the delay gate.

DELAY TIME

Specifies the delay time of the gate.

GATE TIME

Specifies the length of the gate (release time).

GATE IN/ OUT

These jacks input and output the gate signal.

