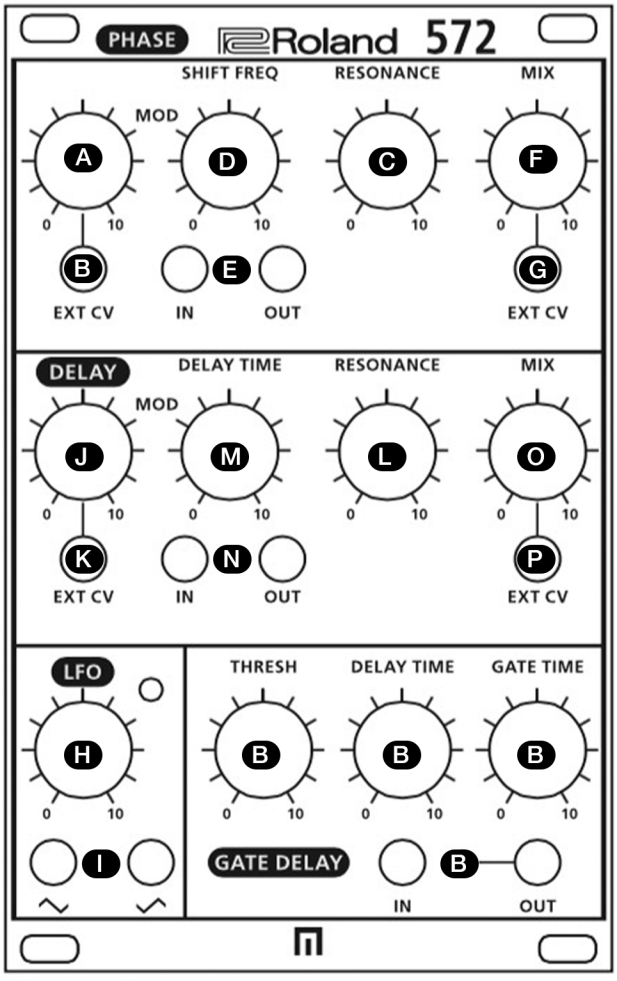
ROLAND SYSTEM-500 MODULE 572

PHASE SHIFTER + DELAY + LFO

The 572 Phase Shifter, Delay and LFO is a time-based, multi-effects module. The 572 includes a five-stage phase shifter, analog audio delay, a control voltage gate delay, and an LFO. The phase shifter has panel controls for shift frequency and resonance amount that can vary from subtle to a deep, lush analog effect. Similarly, the audio delay has independent knob control of delay time and r esonance (or feedback) for short chorus-like modulation delays. Both the phase shifter and delay can be modulated by the 572's internal LFO or external CV signals and feature wet/dry effects mix controllable via the front panel or with CV.

The LFO section has a knob for controlling frequency and features both normal and inverted output jacks. The gate delay has knobs to control threshold, delay time, and gate time for modifying incoming gate signals from other modules.



PHASE SHIFTER

A 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.

B 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 the LFO

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

D SHIFT FREQ
Specifies the center frequency of the phase shift.

E IN/OUT
These jacks are the source input to and the output from the PHASE SHIFTER section.

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

G 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

H 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.

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

DELAY

J 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.

K 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.

L 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.

M 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.

N IN/OUT
These jacks are the source input to and the output from the DELAY section.

O MIX
Adjusts the balance between the source and the delay sound.

P 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

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

R DELAY TIME
Specifies the delay time of the gate.

S GATE TIME
Specifies the length of the gate (release time).

T GATE IN/OUT
These jacks input and output the gate signal.

SPECIFICATIONS

CONTROLLERS	MODULATION KNOB		OUT JACK
PHASE SHIFTER	SHIFT FREQUENCY KNOB		MIX EXTERNAL CV JACK
	RESONANCE KNOB	DELAY	MODULATION EXTERNAL CV JACK
	MIX KNOB		IN JACK
DELAY	MODULATION KNOB		OUT JACK
	TIME KNOB		MODULATION EXTERNAL CV JACK
	RESONANCE KNOB	LFO	OUT JACK
	MIX KNOB		INVERTED OUT JACK
LFO	FREQUENCY KNOB	GATE DELAY	IN JACK
GATE DELAY	THRESHOLD KNOB		OUT JACK
	DELAY TIME KNOB	**POWER SUPPLY**	EURORACK POWER
	GATE TIME KNOB	**CURRENT DRAW**	110 MA (+12 V)
INDICATOR	LFO INDICATOR		90 MA (-12 V)
	GATE DELAY OUT INDICATOR	**ACCESSORIES**	OWNER'S MANUAL
CONNECTORS	MODULATION EXTERNAL CV JACK		LEAFLET "USING THE UNIT SAFELY"
PHASE SHIFTER	IN JACK		EURORACK INSTALLATION SCREWS
			EURORACK POWER CABLE)