



LIVE TO PLAY LIVE®

MXR
CUSTOM SHOP
CSP099 PHASE 99

Dunlop
JIMDUNLOP.COM

92503014502revA

CSP099 PHASE 99

DESCRIPTION

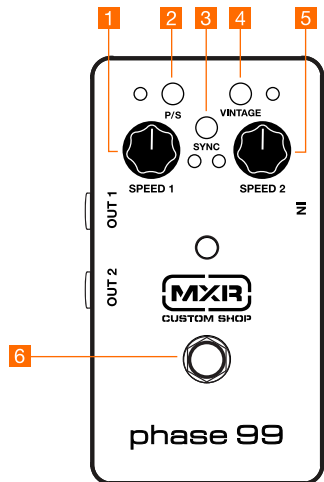
- Two Phase 90 circuits in one Phase 90-sized pedal
- Run both circuits independently or feed one into the other
- Toggle between modern and vintage phase sounds

POWER

The MXR Phase 99 is powered by one 9-volt battery (remove bottom plate to install), a 9-volt AC adapter such as the Dunlop ECB003/ECB003E, or a DC Brick™ power supply.

CONTROLS

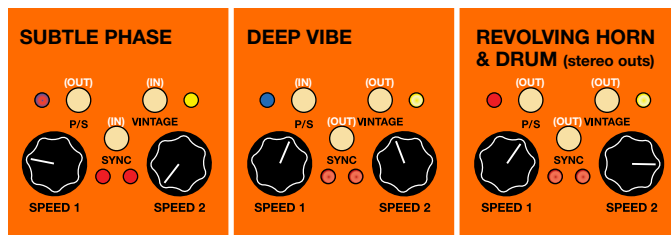
- 1 SPEED 1 knob controls rate of Phase 1 circuit (indicated by flashing red left-side LED)
- 2 P/S switch toggles signal flow of phase circuits from parallel (bluish purple LED) to series (blue LED)
- 3 SYNC switch sweeps both phase circuits at the rate of the SPEED 1 control
- 4 VINTAGE switch engages vintage phase voice (indicated by yellow LED)
- 5 SPEED 2 knob controls rate of Phase 2 circuit (indicated by flashing red right-side LED)
- 6 FOOTSWITCH toggles effect on/bypass (red LED indicates on)



DIRECTIONS

- Run a cable from your guitar to the Phase 99's IN jack and run another cable from the Phase 99's OUT 1 jack to your amplifier. Optional: Run another cable from the Phase 99's OUT 2 jack to a separate amplifier to run each phase circuit in stereo (Parallel Mode).
- Start with all controls at 12 o'clock.
- Turn the effect on by depressing the footswitch.
- Rotate the SPEED 1 knob clockwise to increase the rate of the Phase 1 circuit or counterclockwise to decrease it.
- Rotate the SPEED 2 knob clockwise to increase the rate of the Phase 2 circuit or counterclockwise to decrease it.
- To synchronize the sweep rate of both phase circuits, push the SYNC switch. The SPEED 1 knob will then control the rate of both circuits, and the SPEED 2 knob will be inactive.
- To run both phase circuits in Parallel Mode, set the P/S switch to its "up" position (bluish purple LED). To run Phase 1 and Phase 2 in Series Mode and create a more intense effect with exaggerated frequency cuts and peaks, set the P/S switch to its "down" position (blue LED).
- To change the tonal character of the phase circuits from modern to vintage, push the VINTAGE switch.

SAMPLE SETTINGS



INTERNAL SW6 SWITCH

SW6 toggles Phase 1 and 2 mixing on/off when OUT 2 is unplugged (mono) and Parallel Mode is selected. To mix both phase signals and send them to OUT 1, set the SW6 switch to its "down" position. This is the default factory setting. When SW6 is "up," only Phase 1 will be heard from OUT 1, and the Parallel Mode LED will become red.

Plugging into both OUT 1 and OUT 2 (stereo) in Parallel Mode results in Phase 1 going to OUT 1 and Phase 2 going to OUT 2, regardless of SW6's position. In Series Mode, SW6 has no effect.

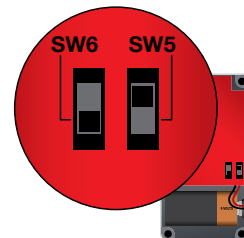
Note: SW5 switch should always be left in its "up" position.

SPECIFICATIONS

Input Impedance	450 kΩ
Output Impedance	2 kΩ
Nominal Input	20 dBV
Max Output	20 dBV
Noise Floor	
Series Mode	-95 dBV
Parallel Mode	-101 dBV
Bypass	Hardwire
Current Draw	24 mA
Power Supply	9 volts DC

NOTE: Actual measured values are with a 10% add on to worse case condition.

INTERNAL CONTROLS (factory settings)



DUNLOP MANUFACTURING, INC.
P.O. BOX 846 BENICIA, CA 94510 U.S.A.
TEL: 1-707-745-2722 FAX: 1-707-745-2658