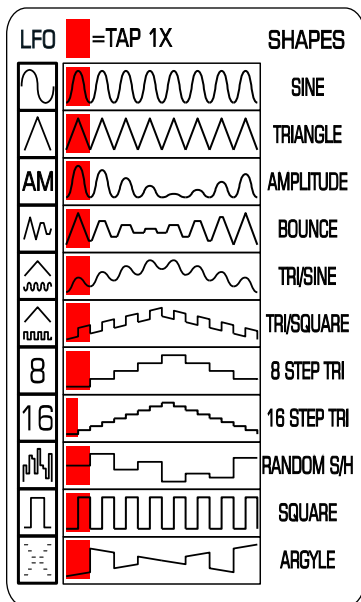


SUBDECAY QUASAR DLX DELUXE PHASER



USER GUIDE VERSION 2.00A

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EXPRESSION PEDAL INPUT: TIP/RING/SLEEVE PLUGS ONLY.
USING A MONO PLUG WILL DAMAGE THIS PEDAL.



Power: The Quasar DLX can be powered by a dedicated Class II regulated 9 to 18 volt DC power supply with a negative center 2.1mm barrel type plug. Current draw under normal operation is less than 65mA. If using a "daisy chain" power supply all other units on the power supply MUST be negative ground.

Specifications: Input impedance: 1M. Output impedance: <1K

Operation and Care: Keep away from extreme heat, cold and moisture. Use only a dry towel to clean. No user serviceable parts. Contact Subdecay Studios, Inc. for repair or maintenance.

Warranty: Subdecay Studios offers a 3 year limited warranty from the purchase date to the original purchaser. This warranty does not cover misuse, or the neglect of the user. It also does not cover the finish, paint, or any exterior, or superficial damage. Any unauthorized repairs will void warranty.

This document was believed to be accurate at the time it was created. Specifications are subject to change without notice.

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INTRODUCTION

Like many classic designs the heart of the Quasar DLX mkII is an analog 4 stage OTA based phaser. Many classic phasers used a similar design, but the features and functionality made possible with digital control that make this pedal special.

Eleven LFO shapes ranging from the tried and true sine and triangle waves to random sample/hold and even an argyle waveform. (Yes you read that right! Argyle!)

With great power comes great responsibility... or at least the possibility of making some gruesome sounds. Modulation can go very fast. (up to 290hz.) This is ring modulation territory. At higher speeds and high depth settings modulation can bleed through to the output. Max settings on the color knob will intensify this effect. You can tame it with the twist of a knob. Or maybe you want to get nasty. It's up to you. YOU are in control.

For greatest headroom we recommend using a 12 to 18 volt DC power supply. The Quasar DLX works at 9 volts, but with high output pickups there may be some subtle distortion, especially when the color knob is set near maximum.

There is no battery option. The Quasar DLX would dry up a standard 9V battery in a few hours, and the sonic advantages of using carbon zinc cells with fuzz don't translate with a phaser.

CONTROLS

EXP and TAP/MODE- The Quasar DLX has **four modes** of operation. Two primary modes and two expression pedal modes.

Primary Modes: -no expression pedal plugged in-

- **Tap tempo-** To start tap tempo press the TAP/MODE button repeatedly to a beat.
- **Manual-** Return to manual speed control by holding the TAP/MODE button for one second. This is the default mode when you power up the pedal

Expression Pedal Modes: -expression pedal plugged in- (See back page before using an expression pedal.) Press the TAP/MODE button to switch between modes.

- **Speed-** Use the expression pedal to vary the LFO speed.
- **Sweep-** Use the expression pedal to manually sweep the phaser.

LFO SHAPE- Sets the wave shape used to modulate the phaser effect. (see LFO SHAPE drawing)

RATIO/SPEED-

- **Tap Tempo-** Sets the ratio of the LFO speed to the tap speed
- **Manual-** Manually sets the speed of the LFO. This control may not work exactly as you would expect. This is a **DUAL ACTION SPEED CONTROL**. From left to right the speed goes faster and faster, BUT once the knob is turned all the way to the right, as you turn it back to the left it goes even faster. To get back to the slower speeds turn the knob back to the right and then back to the left.
- **Speed-** Sets the speed range for the expression pedal control.
- **Sweep-** N/A

VOLUME- A dedicated external volume control. Something the original Quasar DLX did not have.

COLOR- Set to the left for subtle phasing. As the knob is turned to the right the effect becomes more intense and resonant. Turned to maximum the phaser transforms into a low pass filter.

MANUAL & DEPTH- Sets the center frequency and modulation depth of the phaser. This works for all modes including Sweep mode. This phaser has a huge range, and limiting it a bit with the depth knob makes the Sweep mode more useful.