

INTRODUCTION

Subdecay has been in the phaser game since 2005. With so many phaser pedals out there with simple one or two knob control schemes, we've always taken a different approach. Simplicity has its place, but options are pretty awesome too!

The new Quasar v4 expands on our previous phasers by including internal tremolo and mix circuits. It also employs active volume regulation to avoid the common volume disparities found in many phasers.

There are plenty traditional and experimental tones on tap. While the Quasar v4 uses digital technology to control the effect, the signal path is 100% analog.

GETTING STARTED

There are a total of eleven modes that fall into four categories.

1. **X-MOD**- This is a fancy way of saying the effect is modulated two different ways at the same time.
2. **STEP**- Not traditional smooth phaser sweeps. They beep. They Bloop. The phaser steps from one point to another.
3. **ENVELOPE**- Phaser modulation is manipulated by touch dynamics.
4. **CLASSIC**- All tried and true traditional effects including rotary.

Functionality of other knobs are dependent on the mode setting. More information on the back cover.

The control and mode information is intentionally sparse. You really need to try each mode to understand what they do, but this chart will provide help understanding knob functions.

WARRANTY

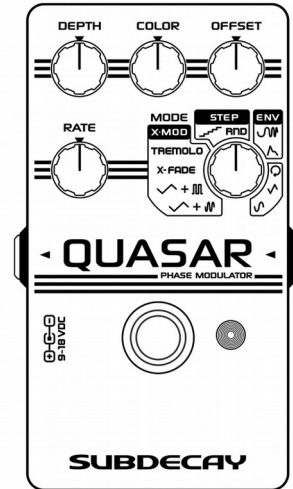
Subdecay offers a 3 year limited warranty from the purchase date to the original purchaser. This warranty does not cover polar bear attacks, willful destruction, using your pedal as a hammer, or the neglect of the user. It does not cover the finish, paint or any external superficial damage. Any unauthorized repairs or modifications voids the warranty.

PEDALBOARD PLACEMENT

Now for the conundrum. Many guitarists have different opinions on phaser placement in the signal chain. Is a phaser a modulation effect? Or is it a filter effect? Technically it is actually both. Typically you'd want a filter effect like a wah early in the signal chain before any gain pedals. Most guitarists will run modulation effects like chorus for flanger later in the signal chain.

There's no wrong way. Both placements have a different sound when used with overdrive. One thing to keep in mind is the Quasar's envelop functions will work better with a clean signal rather than after overdrive.

SUBDECAY QUASAR^{V4} PHASE MODULATOR



USER GUIDE

VERSION 1.00A

CONTROLS		RATE	DEPTH	COLOR	OFFSET	
X-MOD	∩ + #	LFO Speed	Phaser	Resonance	Sine Tri Ratio 2:1 to 32:1	
	∩ + #	LFO Speed	Phaser	Resonance	Square Tri Ratio 2:1 to 32:1	
	X-FADE	LFO Speed	Mix	Resonance	Mix Phase Ratio 2:1 to 32:1	
TREMOLO	LFO Speed	Tremolo	Resonance	Trem Phase Ratio 2:1 to 32:1		
STEP	∩	LFO Speed	Phaser	Portamento	Sequence Skip	1% to 50%
	RND	LFO Speed	Phaser	Resonance	Volume Chopper	0% to 50%
ENV	∩	LFO Speed	Phaser	Resonance	Envelope Speed Control	-400% to +400%
	∩	Attack/Decay	Envelope	Resonance	Resting Point	
CLASSIC	∩	LFO Speed	Rotary	Resonance	Tremolo	
	∩	LFO Speed	Phaser	Resonance	Sweep Center	
	∩	LFO Speed	Phaser	Resonance	Sweep Center	

Control Surface- See chart above.

OUTPUT

-DC input- Powered by a dedicated Class II regulated power supply with a negative center 2.1mm barrel plug. Current draw under normal operation at 9VDC is less than 25mA. Designed to operate at 9 to 18V DC. If using a "daisy chain" power supply all other units on the power supply MUST be negative ground.

Powering this pedal above 24VDC may cause permanent damage so just dont do it.

Specifications-

Input impedance: 1 MΩ
Output impedance: ~1 KΩ

Operation and care- All the regular stuff here. Don't leave it out in the rain or put in an oven. If you want to clean it off use a towel. Don't put it in the laundry. No user serviceable parts. Send it back to us if it stops working.

INPUT

BYPASS SWITCH

For more info about using your Quasar v4 Phaser visit subdecay.com/quasar-phaser-v4