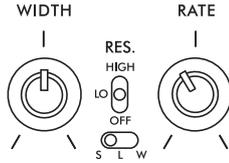


SAMPLE SOUND SETTINGS

The following examples below show a few of the many sonic possibilities of the EBS DPhaser.

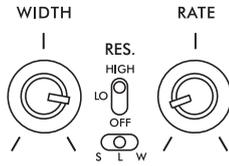
ORIGINAL 70 s

This is an example of classic phasing sound such as the ones found in the units from the 70's, using the Short mode. Use fairly high setting for Width and experiment with different Resonance settings.



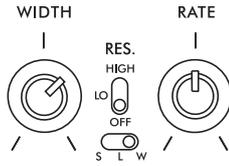
SLOW DEEP PHASING

A slow large sweeping phasing effect using the Long mode. Use highest Resonance setting and very low Rate for best effect. Adjust the Width for your best preferences.

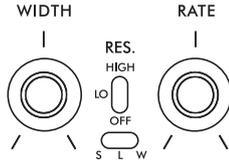


SWOOSH EFFECT

This example uses the Wide mode and can be used for setting the most extreme phasing effects. A good starting point is with no or low Resonance. Then gradually increase the Resonance for exploring this style of phasing capable of up to pure flanging effects.



MY PERSONAL SOUND



USERS MANUAL

BLACK LABEL SERIES

EBS DPHASER



EBS PROFESSIONAL BASS EQUIPMENT



INDICATOR LED
Indicates dynamically the frequency of the LFO when active. This LED should glow when the pedal is switched on. When this LED stops lighting you should replace the battery or check your power supply.

FOOT SWITCH
Switches the pedal on or off. This switch is a TRUE BYPASS SWITCH for optimum performance.

MODE SWITCH: - This setting uses a 4 or 6-stage phaser and is one of the first classical effects of phasing. Refer to the advanced options for setting this mode to 6-stage operation.

SHORT (S) - This mode uses an 8 or 10-stage phaser for creating deep and coarse effects. Refer to the advanced options for setting this mode to 10-stage operation.

LONG (L) - This setting uses a total of 18 phasing stages with differential modulation. This mode creates huge phasing effects similar to flanging effects.



- This switch controls the resonance of the effect, by introducing a certain amount of feedback in the phaser. The higher the setting the more effect. Use the off position for subtle sounds.

- Controls the width of the phasing effect. Based on a center frequency, this control ranges from lowest bass tones up to the highest treble timbres.

- Controls the speed of the low frequency oscillator (LFO) from very slow (approx 20 seconds sweep) up to very fast, useful for creating pure trembling effects.



THE CONTROLS

Thank you for purchasing the EBS Black Label DPhaser pedal!

With the EBS DPhaser you can choose between three very distinct and different phaser effects. Select everything from classical 70's sounds up to hyper modern swirling phasing effects. The pedal is built with highest quality components and uses 24-bit digital processing circuitry for outstanding performance on stage and in the recording studio. In addition you can set a lot of parameters for fine tuning your sound.

We hope you'll enjoy using the EBS DPhaser pedal.

HOW TO CHANGE BATTERY

- 1) Carefully remove the four screws holding the bottom plate.
- 2) Remove the bottom plate gently.
- 3) Replace the old battery with a new one of the same type, 9V alkaline type; 6LR61.
- 4) Gently place back the bottom plate, and make sure no cables are squeezed. Attach the four mounting screws using moderate tension.

MY NOTES:

TROUBLE SHOOTING GUIDE

Please consult the following checkpoints, before consulting one of the authorized EBS service centers.

Checkpoint	Action if answered NO
1) Does the cable(s) work properly?	- Replace cable(s).
2) Are the 1/4" plugs properly connected all the way in?	- Push the 1/4" plugs all the way in.
3) Are the Instrument cable(s) attached to the Right (input) jack, and the Amp cable(s) connected to the Left (output) jack?	- Reconnect input and output jacks.
4) Does the pedal have a battery, and is the battery OK?	- Put a new battery in the pedal.
5) Does the indicator LED light when pressing the foot switch alternatively?	- Replace battery.
6) Does the instrument work?	- Check the instrument at your nearest service center.
7) Does the amplifier work and is the volume turned up?	- Turn up volume or check the amp at your nearest service center.
8) If you are using a DC adapter, Are you using an EBS AD-9?	- Check the voltage and polarity of the adapter you are using.*

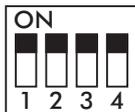
**EBS Sweden AB guarantees no error free operation when using other DC adapter than the EBS AD-9. Warranty is void if higher voltage than 9.3 V has been used to feed the EBS DPhaser pedal.*

ADVANCED OPTIONS

By removing the bottom plate you get access to the advanced settings for the DPhaser.

CENTER (trimmer) - Sets the center frequency for the sweep controlled by the Width knob. Default setting for this trimmer is Center position.

OPTIONS (switches) - With the options switches you can further select the options as follows:



- 1 - Sets the LFO to either TRIANGLE wave (OFF) or SINE wave (ON).
- 2 - Activates the low frequency bypass filter for untouched lows below 130 Hz. Deactivate this filter by setting this switch to OFF.
- 3 - Selects the Short mode phaser. OFF equals 6 stages and ON 4 stages.
- 4 - Selects the Long mode phaser. OFF equals 10 stages and ON 8 stages

Default setting for all switches is ON.

OUTPUT LEVEL (trimmer) - With this trimmer you can fine tune the output level by +/- 6 dB. Factory setting is for 0 dB gain at 10 o'clock position.

TECHNICAL SPECIFICATIONS EBS DPHASER

Nominal Input Level		-8 dBv
Input Impedance		700 kohms
Bandwidth	+0/-3 dB	20 - 20.000 Hz
Phaser Types	SHORT (S)	4 or 6 Stages
	LONG (L)	8 or 10 Stages
	WIDE (W)	18 Stages Differential
LFO Range	min/max	0.05 - 10 Hz
LFO Types		Sine and Triangle
Low Frequency Bypass	optional	<130 Hz
Sampling Frequency		48 kHz
Dynamic Range	typ	100 dB A-weighted
Power Requirements		9 V DC Regulated,
		110 mA max.
Dimensions	Width	2.8" (70 mm)
	Height	4.5" (115 mm)
	Depth	1.4" (35 mm)
Weight		480g (1.07 lb.)

Specifications are subject to change without notice.

*EBS recommends the use of the EBS AD-9 DC adapter, which supplies a well stabilized power to the EBS DPhaser and all your other pedals that operate with a 9V battery. The high current capacity, 650mA, makes it possible to supply all pedals with only one adapter, EBS AD-9!



! If you are not 100% sure on how to do this, please consult your nearest service center. Excessive force may result in damage to the unit, and the warranty in that case will be void.