



## THANK YOU FOR PURCHASING THE EBS UNICHORUS - STUDIO EDITION PEDAL!

*With the EBS UniChorus you can choose between Chorus, Flange and Pitch Modulation effects. The pedal is built with high quality components and uses analog processing circuitry, which gives you a warm and fatter sounding chorus/flange effect.*

*We hope you'll enjoy using your EBS UniChorus pedal.*

*/The EBS Team*



Visit [EBSSWEDEN.COM](http://EBSSWEDEN.COM)  
for info on all EBS effects,  
amps and accessories.



## THE CONTROLS

DEPTH



RATE



**DEPTH** sets the amount, or the modulation depth, of the chorus effect. Note that when this control is in minimum position, the Rate control has no effect.

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**RATE** controls the speed of the chorus effect. Use this control in combination with the Depth control to fine-tune your personal sound.

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**FLANGER** - This mode gives a typical "flanged" sound with special focus on the midrange frequencies. Suitable for creating classical sounds with any instrument plugged in.

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MODE  
FLANGER



P.M.

CHORUS

**PITCH MODULATION (P.M.)** - This position gives the most apparent chorus effect with relatively long initial delay time. This position is useful for creating sounds with huge, wide chorus timbres, especially when the pedal is connected to a stereo system.

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**CHORUS** - This is the standard chorus mode, useful for any instrument and type of sound.

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**LED INDICATOR** Indicates dynamically the speed of the chorus, controlled by the Rate knob.

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**FOOT SWITCH** Switches the pedal on or off.

## POWER OPTIONS



**DC POWER ADAPTOR** For environmental reasons, we recommend the use of a DC Power Supply, such as the *EBS AD-9+*. The EBS UniChorus Studio Edition handles 9-12 V DC, and require a 2.1 mm pin center negative type of connector.



**BATTERY** This pedal can run on battery (not included). To place a battery in the pedal follow these steps.

- 1) Remove the four screws holding the bottom plate.
- 2) Carefully remove the bottom plate.
- 3) Place a 9V alkaline type; 6LR61 in the battery holder.
- 4) Gently place back the bottom plate. Attach the four mounting screws using moderate tension.

## ADVANCED CONTROL OPTIONS (inside the box)

**UP**

**MIX**



**DOWN**

### EFFECT MIX LEVEL

The EBS UniChorus pedal is equipped with an effect mix trimmer, *FX MIX*, for further fine-tuning your sound.

This function makes it possible adjust the amount of the pure chorus signal to mix in with the normal "bypassed" sound. The range can be set from 0% to 100% mix, where 0% is off. The factory setting for this trimmer is set to 50%.

The trimmer is located on the printed circuit board, and is easily accessible by removing the bottom plate. When doing any adjustments, please use a plastic screwdriver, and turn this trimmer gently.

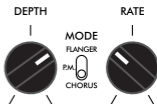
**!** If you are not 100% sure on how to do this, please consult your nearest service center. Excessive force may result in damage to the unit, and the warranty in that case will be void.

## SAMPLE SOUND SETTINGS

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

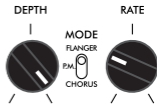
### STANDARD CHORUS

This is the standard chorus sound setting, useful for any instrument and setup. Use fairly high setting for Depth and adjust the Rate for best personal result.



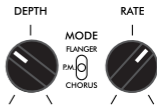
### FLANGER MODE

This is a very useful setting for spicing up the mid-range chorus character of your sound. Use a fairly high setting for Depth and set the Rate control to match your sound preference.



### PITCH MODULATION

This is the most dramatic chorus effect with the longest chorus times in the pedal, and the stereo operation in this mode gives an incredible depth to your sound, worth trying out. Use moderate setting for Depth and set the Rate accordingly.



## TROUBLE SHOOTING GUIDE

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

### Checkpoint

- 1) Does the cable(s) work properly?
- 2) Are the 1/4" plugs properly connected all the way in?
- 3) Are the Instrument cable attached to the Right (input) jack, and the Amp cable connected to the Left (output) jack?
- 4) Does the pedal have a battery, and is the battery OK?
- 5) Does the indicator LED light when pressing the foot switch alternatively?
- 6) Does the instrument work?
- 7) Does the amplifier work and is the volume turned up?
- 8) If you are using a DC adapter, Are you using an EBS AD-9?

### Action if answered NO

- Replace cable(s).
- Push the 1/4" plugs all the way in.
- Reconnect input and output jacks.
- Put a new battery in the pedal.
- Replace/put in battery, or use a DC power supply.
- Check the instrument.
- Turn up volume or check the amp at your nearest EBS service center.
- Check the voltage and polarity of the adapter you are using.

## TECHNICAL SPECIFICATIONS EBS UNICHORUS Studio Edition

Nominal Input Level		- 8 dBv
Input Impedance		700 kohms
Bandwidth	+0/-3 dB	20 - 20 kHz
Delay Bandwidth	+0/-3 dB	200 - 8 kHz
Delay Level Mix	min/max	-∞ - +3 dB.
Center Delay Time	Flange	3 ms
	Chorus	5.5 ms
	Pitch Modulation	10 ms
Modulation Depth	min/max	+/- 50% of nominal delay Time
	LFO Range	min/max
Dimensions	Width	2.8" (70 mm)
	Height	4.5" (115 mm)
	Depth	1.4" (35 mm)
Weight		400g (0.88 lb.)
Power Requirements	9 - 12 V DC Regulated, 35 mA max.	

Protected against accidental over voltage up to 18 V.

*Specifications are subject to change without notice.*

*If you did not find the answer in this manual, please contact EBS at [support@ebssweden.com](mailto:support@ebssweden.com)*