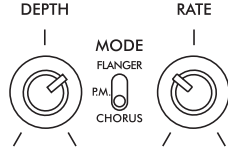


# SAMPLE SOUND SETTINGS

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

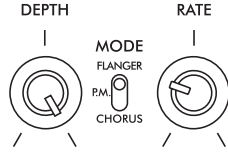
## STANDARD CHORUS

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.



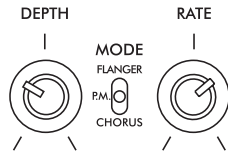
## FLANGER MODE

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..



## MY PERSONAL SOUND

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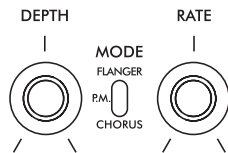
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# USERS MANUAL

## BLACK LABEL SERIES

# EBS UNICHORUS

UPGRADED VERSION



EBS PROFESSIONAL BASS EQUIPMENT



**INDICATOR LED** - Indicates dynamically the speed of the chorus, controlled by the Rate knob. This LED should light when the pedal is switched on. When this LED stops lighting you should replace battery as soon as possible.

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

**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.

**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.

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



- 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.

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



## THE CONTROLS

Thank you for purchasing the EBS Black Label UniChorus 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.

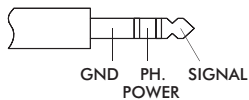
We hope you'll enjoy using the EBS UniChorus pedal.

## 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.

## HOW TO USE THE EBS PHANTOM POWER™

The EBS Phantom Power System™ makes it possible to power the EBS UniChorus with 9V DC directly from the EBS Drome, Gorm, Fafner and 1V2/Classic amps. Here is a step-by-step instruction on how to do this.



- 1) Connect a stereo 1/4" instrument cable (TRS, tip-ring-sleeve) between the EBS UniChorus pedal and the EBS amp.
- 2) Activate the phantom power on the amp. This is made with a flick of a switch on most EBS amps. Please consult the manual for the EBS amp you are using.
- 3) Connection done. You should now have power in the pedal, even if the input jack is left open.

### EBS PHANTOM POWER™ TROUBLE SHOOTING

Checkpoint	Action if answered NO
1) Is a 1/4" STEREO cable used between the pedal and the amp?	- Replace cable to a 1/4" STEREO cable.
2) Is there power available on the RING connection of the 1/4" plug?	- Make sure the phantom power is activated on the amp. - Check cable.

Note that only the pedal that is directly connected to the EBS amp can be powered with phantom power. This means that if you have more than one pedal, ONLY THE LAST one can use the EBS Phantom Power™.

## ADVANCED TECHNICAL OPTIONS (ONLY FOR AUTHORIZED PERSONNEL)

### 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.

UP

MIX



DOWN

**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.**

## 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 attached to the Right (input) jack, and the Amp cable 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 UniChorus pedal.

## TECHNICAL SPECIFICATIONS EBS UNICHORUS

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 0.15 - 7.5 Hz
Power Requirements	9 V DC Regulated, 20 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 UniChorus 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!



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