



## THANK YOU FOR PURCHASING THE EBS RED TWISTER - GUITAR EDITION PEDAL!

*The EBS Red Twister is a studio quality analog Chorus and Flange effect for guitar with stereo output and true bypass. The internal fine-tuning option to change the Effect mix can be used to blend in the effect with the original tone.*

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

*/The EBS Team*



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



## THE CONTROLS

DEPTH



SPEED



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

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

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**FLANGE** - This mode set can be used for the typical flanged sound effect. The Red Twister Flange mode is perfectly suited for guitar.

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**HEAVY** - This position gives the most apparent chorus effect with the delay time fine tuned for guitar. 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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**SOFT** - This is a smooth chorus mode, especially useful for more subtle chorus effects.

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**LED INDICATOR** Indicates dynamically the speed of the chorus, controlled by the Speed 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 Red Twister Guitar 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 Red Twister 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.

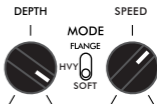
**!** If you are not 100% sure on how to do this, please consult your nearest service center. Excessive force may result in damage to the unit, and the warranty in that case will be void.

## SAMPLE SOUND SETTINGS

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

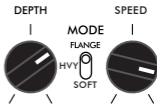
### CHORDY CHORUS

Wide chorus suitable for chord playing.



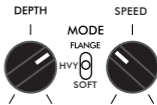
### BROKEN FLANGE

Flangy style, fast speed modulation for a "Lesley"-type flanger effect.



### HEAVY CHORUS

Heavy chorus effect suitable for playing chords and to make huge sounding effects.



## 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 RED TWISTER Guitar 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                            | 1.5 ms                           |
|                     | Soft                              | 2.8 ms                           |
|                     | Hvy                               | 4.1 ms                           |
| Modulation Depth    | min/max                           | +/- 50% of<br>nominal delay Time |
|                     |                                   |                                  |
| LFO Range           | min/max                           | 0.15 - 7.5 Hz                    |
| 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)*