

INSTRUCTION MANUAL

FX67 STEREO TURBO CHORUS

To get the best results from your FX 67, please read this manual carefully.

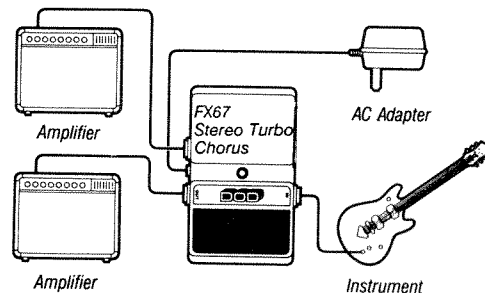
WHAT THE FX 67 STEREO TURBO CHORUS DOES

The new Stereo Turbo Chorus gives a rich, thick, ebullient chorusing effect not available before from a single chorus unit. The FX 67 Stereo Turbo Chorus has two completely independent chorus circuits. These chorus circuits are varied by a unique chorus modulation scheme and mixed together which makes a distinctive chorusing sound. This technique gives the user truly different right and left outputs for a superb stereo effect from a single chorus unit. The right and left chorus effects are derived from separate chorus circuits and do not cancel each other out if summed together. This unique chorusing effect is unduplicatable even with the use of two separate chorus units.

CONNECTING THE FX 67

Connect the INPUT of the FX 67 to your guitar with a 1/4-inch mono phone plug. Connect the OUTPUT of the FX 67 to your amplifier with a 1/4-inch mono phone plug.

Or plug the FX 67 from the output and into the input of other effects if you're using them. The FX 67 creates a stereo effect by connecting directly to two different amplifiers in a stereo setup. The FX 67 also creates the stereo effect as the last effect unit in a multiple effect setup. To eliminate the need for a 9 volt battery, attach either the DOD PS-3 or the DOD FX 105 power supply to the 3.5mm A.C. adapter jack.



FEATURES

The FX 67 Stereo Turbo Chorus is a four-control chorus effect. The unit offers adjustment of the sweep SPEED of modulator A, the sweep DEPTH of modulator A, the sweep SPEED of modulator B, and the sweep DEPTH of modulator B.

The FX 67 Stereo Turbo Chorus also features:

- Stereo effect generation for stereo amplifier setups.
- FET switching for clickless insertion into the signal path.
- LED indicator shows the status of the effect and battery condition.
- No tools, easy access battery compartment.
- Adapter jack for A. C. operation.
- Rugged die cast metal case.
- Three year limited warranty.
- Rubber non-skid bottom.

CONTROLS

SPEED A and SPEED B: Adjust the speed of the modulator (delay variation) from .8 cycle per second up to 8 cycles per second. Use the **SPEED** control along with the **DEPTH** control to get a good sounding chorus effect.

DEPTH A and DEPTH B: Sets the total amount of modulator (delay time) variation for the depth of the delay sweep.

FOOT SWITCH: Switches the chorus effect IN/OUT of the signal path.

LED INDICATOR: Lights when the chorus is enabled.

JACKS: INPUT, OUTPUT 1, OUTPUT 2, A.C. ADAPTER. Use either the DOD PS-3 or DOD FX-105 power supply to eliminate the need for batteries.

OPERATION OF THE FX 67

The FX 67 Stereo Turbo Chorus effect unit simulates the sound of several instruments playing from one instrument. It does this by delaying the sound of the original instrument a small amount (4 to 6 milliseconds) and continuously varying the amount of delay. Continuously varying the delay, slightly changes the pitch of the delayed signal. The FX 67 mixes the delayed, pitch shifted signal with the original signal resulting in the chorus effect.

Pleasing chorus effects are a careful balance of varying the amount of delay time (DEPTH) and the sweep SPEED. The most useful chorus effects result from either a slow sweep SPEED through a large delay time variance (DEPTH), or a faster sweep SPEED through a small delay time variance (a shallow DEPTH). Too fast of a sweep SPEED through a wide time variation DEPTH results in an unpleasant warbly "out of tune" sound. The sound of the

chorus effect is a matter of taste and will change according to the type of music you play. The biggest sounding chorus effect results from using two amplifiers in a stereo setup. The following are starting points for you to begin to make your own chorus effect sounds.

The FX 67 Stereo Turbo Chorus effect pedal gives you wide ranging chorus effects for use in nearly any style music. Enhance any electronically amplified sound including the voice with the chorus effect from this pedal. The four controls, SPEED A, DEPTH A, SPEED B, and DEPTH B give you great variation and versatility in the use of the FX 67. As with other chorus effect units, a good sounding chorus effect results from the balance of the SPEED and DEPTH controls.

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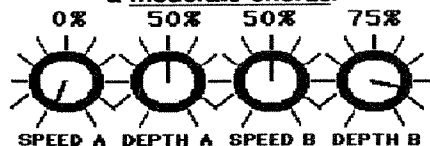
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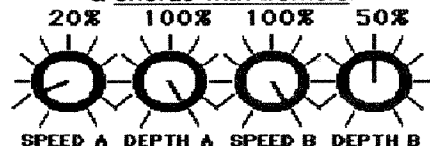
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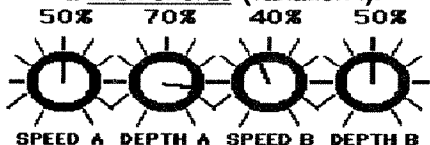
Settings on the FX 67 for a moderate chorus.



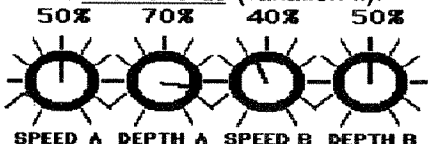
Settings on the FX 67 for a chorus with tremolo.



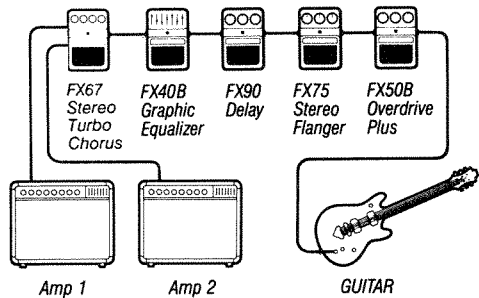
Settings on the FX 67 for a thick chorus (variation I).



Settings on the FX 67 for a thick chorus (variation II).



A stereo multiple effects setup using the FX 67 might look like this:



IMPORTANT NOTES

* When you're not going to use the FX 67 be sure to unplug the INPUT jack so as to not waste the battery.

* If you are not going to use the FX 67 for an extended period of time, remove the battery to avoid possible damage to the unit from leaking battery fluids.

* When the FX 67 fails to switch in or out or the LED indicator stays lighted, the battery is used up. Replace it.

■ It is a good idea to keep a fresh battery in the battery compartment while you're playing the FX 67. Should the A. C. adapter accidentally come out, your FX 67 will continue to work.

■ The use of any other A. C. adapter other than a DOD PS-3 or DOD FX-105 will void the warranty of this product.

■ Unauthorized repair of the FX 67 will void the warranty. Should your American Metal require service, contact your DOD FX pedal dealer for return/repair information.

CHANGING THE BATTERY

Figure 1: Push battery compartment cover tab down and pull out at top.

Figure 2: Remove used battery. Replace with an EVEREADY_R 9 volt No. 219 (NEDA 1604) or EVEREADY_R ENERGIZER_R 9 volt battery No. 522. Snap on new battery and replace as shown.

Figure 3: Insert compartment cover in groove and push closed to latch.

CHANGING THE BATTERY

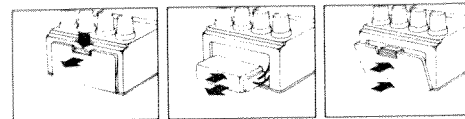


Figure 1

Figure 2

Figure 3

SPECIFICATIONS

Input Impedance: 500 kohms.

Output Impedance: 1 kohms.

Delay Time Range (of both chorus circuits):
5 to 8 Milliseconds

Sweep Speed (of both chorus circuits):
.8 to 8 Hz

Bandwidth: 40 Hz to 16 kHz.

Power Supply: one 9 volt battery or DOD PS-3 A. C. adapter.

Size: 5" x 3" x 2 1/4"
(126mm x 77mm x 57mm).

Weight: 1.2 lb. (.55 kg).

D O D WARRANTY

1. The warranty registration card must be mailed within ten days after purchase date to validate this warranty.

2. DOD warrants this product, when used solely within the U.S., to be free from defects in material and workmanship under normal use and service.

3. DOD Electronics liability under this warranty is limited to repairing or replacing defective materials that show evidence of defect, provided the product is returned through the original dealer, where all parts and labor will be covered up to a period of three years. The company shall not be liable for any consequential damage as a result of the product's use in any circuit or assembly.

4. Proof of date of purchase is considered to be the burden of the consumer.

5. If this product is battery operated: Batteries are not covered by this warranty. Please remove weak or dead batteries in order to prevent corrosion damage.

6. DOD reserves the right to make changes in design or make additions to or improvements upon this product without incurring any obligation to install the same on PRODUCTS PREVIOUSLY MANUFACTURED.

7. The foregoing is in lieu of all other warranties, expressed or implied, and DOD neither assumes nor authorizes any person to assume for it any obligation or liability in connection with the sale of this product. In no event shall DOD or its dealers be liable for special or consequential damages or from any delay in the performances of this warranty due to causes beyond their control.