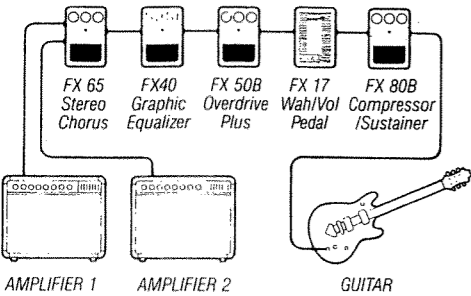


## FX-17 WAH/VOLUME CONTROLLER PEDAL

A stereo multiple effects setup using the FX-17 WAH/volume control pedal might look like this:



### IMPORTANT NOTES

- When you're not going to use the FX-17 be sure to unplug the INPUT jack so as not to waste the battery.
- When there is a lot of distortion present in the signal, the battery is probably used up and needs to be replaced.
- If you are not going to use the FX-17 for an extended period of time, remove the battery to avoid possible damage to the unit from leaking battery fluids.
- It is a good idea to keep a fresh battery in the battery compartment while you're playing the FX-17 so that even if the A.C. adapter should accidentally come out, your FX-17 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-17 will void the warranty. Should your WAH/volume pedal require service, contact your DOD FX pedal dealer for return/repair information.

### CHANGING THE BATTERY

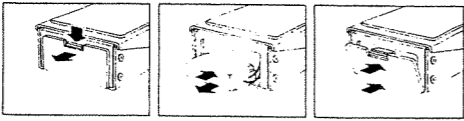


Figure 1

Figure 2

Figure 3

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

Figure 2: Remove used battery. Replace with an EVEREADY® 9-volt No. 219 (NEDA 1604) or EVEREADY ENERGIZER® 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.

### SPECIFICATIONS

Input Impedance: 500K ohms  
Output Impedance: 1K ohms  
Band Width: 40 hz to 16 khz.

Bandpass Range: 200 Hz to 1.6 kHz.  
Gain: Variable, -60 dB to unity.  
Maximum Output Level: 6 vpp.  
Control Voltage Range: 0 to +5 volts,  $\pm 0.5$  volts  
Control Voltage Output Impedance: 1 kohms  
Signal to Noise Ratio: >90 dB.  
Power Supply: One 9-volt battery or DOD PS-3 or DOD FX 105 A.C. adapter.  
Size: 5 inches L. x 3 inches W. x 2 inches D.  
(127mm x 76mm x 51mm)  
Weight: 1.2 lbs. (.55 kg)

### DOD 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.

### DOD Electronics Corporation

8760 Sandy Parkway  
Sandy, UT 84070

Telephone (801) 566-8800  
FAX (801) 566-7005

International FAX (603) 672-4246

### H A Harman International Company

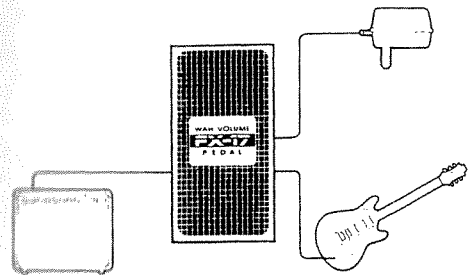
Copyright 1986 DOD Electronics Corp.

The specifications in this manual are subject to change without notice.

## DESCRIPTION OF THE FX-17 WAH/VOLUME CONTROLLER PEDAL

The new FX-17 offers three different functions: a "WAH-WAH" effect, a volume control pedal, and a 0 to +5 volt control pedal. The WAH or the volume control is selected by a push switch located on the side of the pedal. The FX-17 is an "industrial strength" pedal. Using proprietary techniques, this new wah/volume pedal does away with the strings and mechanisms that wear out, internal lights that burnout, or pots that become scratchy. When the foot pedal is rocked all the way back in the "wah" mode, a switch is depressed bypassing the WAH effect. The 0 to +5 volt output is for use as a synth controller pedal as well or other devices that require a voltage control. The FX-17 is battery or A.C. adapter powered, and built of heavy gauge steel to last a lifetime.

## HOW TO CONNECT THE FX-17



Connect the INPUT of the FX-17 to your instrument with a 1/4-inch mono phone plug. To use the 0 to +5 volt control voltage output, connect the device you wish to control to the FX-17 with a mono 3.5mm (mini) plug. If you're not going to use the FX-17 be sure to **unplug the INPUT jack so as not to waste the battery**. When there is a lot of distortion present in the signal, the battery is probably used up and needs to be replaced. To eliminate the need for a 9-volt battery, attach either the DOD PS-3 or the DOD FX-105 power supply to the 3.5 mm A.C. adapter power jack.

## CONTROLS

**FOOT PEDAL CONTROL:** The action of the FOOT PEDAL in the WAH mode creates the "WAH-WAH" effect. The position of the FOOT PEDAL in the VOLUME CONTROL mode determines the amount of attenuation or volume of the signal allowed to pass. The position of the FOOT PEDAL also determines the voltage output from the 0 to +5 volt control voltage jack.

**JACKS:** INPUT, A.C. ADAPTER (Use either the DOD PS-3 or DOD FX-105 power supply to eliminate the need for batteries.), OUTPUT, and 0 to +5 VOLT CONTROL VOLTAGE OUTPUT.

*IMPORTANT NOTE: 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.*

## FEATURES

The FX-17 is useful:

- as a "WAH-WAH" effect for the electric guitar, voice, horn, any electrically amplified instrument,
- as a volume control for electrically amplified instruments, and
- as a 0 to +5 volt control pedal for devices which use a 0 to +5 volt to control an operating function.
- The FX-17 uses a proprietary technique to operate the WAH, volume, and control voltage functions, eliminating internal lights that need replacing, pots that become scratchy, or mechanisms that wear out.

The FX-17 also features:

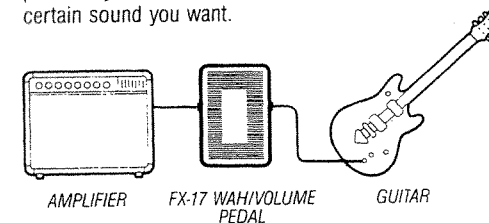
- Rubber non-skid foot pad.
- No tools, easy access battery compartment.
- Adapter jack for A.C. operation.
- Rugged heavy gauge steel case.
- Three-year limited warranty.
- Rubber non-skid bottom.

## OPERATION OF THE FX-17

### Wah-Wah Mode

To put the FX-17 into the WAH-WAH mode push the switch on the right side of the pedal IN. Tipping the foot pedal all the way back firmly, depresses a small switch in the base of the pedal and disengages the WAH-WAH effect. To re-engage the WAH-WAH effect

tip the foot pedal all the way back firmly again to depress the switch. The WAH-WAH effect sweeps a tone change up and down the sound spectrum. The position of the foot pedal determines where the tone change occurs. The WAH-WAH effect is usually a constant changing of the tone as you play. The pedal may also be left in one position to get a certain sound you want.



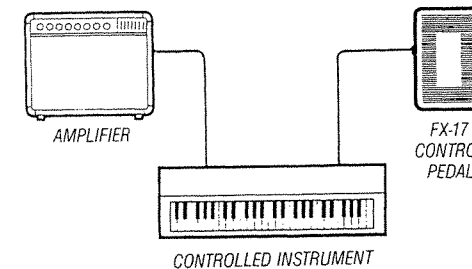
SETUP FOR USE AS A WAH OR AS A VOLUME PEDAL

### Volume Control Mode

To operate the FX-17 pedal in the volume control mode be sure the mode button on the right side of the pedal chassis is in the OUT position. The position of the foot pedal determines the output level of the signal. When the pedal is tipped all the way back the output level is at minimum. When the pedal is tipped all the way forward the output level is at maximum. You may wish to use a compressor (See the DOD FX-80B Compressor/Sustainer or FX-82 Bass Compressor) to give the volume pedal a more consistent and predictable level by packaging

the sound into a tighter range. Put the compressor before the volume pedal. Note that the BYPASS switch is inoperative when the FX-17 is in the volume control mode.

The 0 to +5 volt control output is active in either the WAH-WAH or volume control modes. This output is used to control some functions of synthesizers or other pieces of equipment. Connect the 3.5mm output jack to the piece of equipment you wish to control. The FX-17 0 to +5 volt control will not operate if you are using a battery due to insufficient current capabilities. You must use 9 DOD PS-3, DOD FX-105 or equivalent to use this function.



SETUP FOR USE AS A CONTROLLER PEDAL WITH THE 0 TO +5 VOLTS OUTPUT