



**SPECIFICATIONS**

INPUT IMPEDANCE:	470K Ohm
OUTPUT IMPEDANCE:	1K Ohm
MAX INPUT LEVEL:	+5dBV @ 1kHz
MAX OUTPUT LEVEL:	+5dBV @ 1kHz
SIGNAL TO NOISE ALL CONTROLS @ MID POSITION:	>88dB 'A' weighted (Vref 1V RMS)
FREQUENCY RESPONSE:	20Hz-20kHz
MAX DELAY:	37.9ms
MAX PHASE SHIFT:	13.64k deg. @1kHz
NOISE REDUCTION:	.2:1 ratio, optimum independent attack & recovery
RATE CONTROL:	.01Hz-10Hz
HOUSING DIMENSIONS:	5" x 3-3/4" x 1-1/2"
WEIGHT:	1.5 lbs.
HOUSING MATERIAL:	Zinc
POWER DRAW:	35mA
POWER REQUIREMENT:	Dunlop ECB-004 18VDC adapter with 5.5 mm x 2.1mm positive barrel & negative center or two 9-volt batteries

**DIRECTIONS**

To begin using your **EVH FLANGER**:

- A) Run a cable from your guitar to the EVH 117 Flanger's Input jack and run another cable from the EVH 117 Flanger's Output jack to an amplifier
- B) Set all of the EVH 117 Flanger's controls to their 12 o'clock position as a starting point
- C) Turn the effect on by hitting the footswitch (red LED indicates on)
- D) For instant "Unchained" tone, press the EVH Switch for preset Manual, Width, Speed, and Regeneration settings.
- E) Please read the following technical overview to understand each knob's function

- 1 FOOTSWITCH:** Toggles effect on/bypass (red LED indicates on).
- 2 MANUAL:** This knob controls the degree of phase shifting. When the Width knob is turned all the way down (counterclockwise), the variable time delay is shut off, and the Manual knob simply selects how far out of phase to put the signal. As the Width knob is turned up, the Manual knob also selects the frequency center of the time delay effect.
- 3 WIDTH:** This knob controls the intensity of the time delay. When it's turned all the way down, no sweeping time delay is present. As it's turned up, a sweeping time delay is introduced to the phase shift (for example, 5ms - 50ms), at the sweeping speed selected by the Speed knob. At lower settings, the time delay sweeps through a narrower range. At higher settings, the time delay sweeps through a wider range.

- 4 SPEED:** This knob controls the speed of the time delay cycling, or sweeping. When the Width knob is turned all the way down, the Speed knob has no effect, as there is no sweeping time delay present. When the Width knob is turned up, the Speed knob changes the time delay cycling from slow (lower settings) to fast (higher settings).

- 5 REGEN:** This knob controls the intensity of the overall effect, by feeding the effect back onto itself for even greater phase shifting and time delay. At lower settings, the regeneration effect is subtler. At higher settings, the regeneration effect becomes more intense and pronounced.

- 6 EVH:** For instant "Unchained" tone, press the EVH Switch for preset Manual, Width, Speed, and Regeneration settings.

**POWER**

The EVH 117 Flanger can be powered by two 9-volt batteries (accessed through the bottom of the pedal), a Dunlop ECB-004 AC adapter (ECB-004E in Europe) or a Dunlop DCB-10 DC Brick power supply.

**USE IT. ABUSE IT. STOMP ON IT.  
BLAZE ON...**



**flanger**

**MXR EVH Flanger**

The EVH Flanger meets Edward Van Halen's demanding specs and requirements. Please take a minute to read through this manual so you can get the most out of your **EVH Flanger**.

*"It's part of my sound and it's on tons of our stuff. I've used it with a guitar, (Unchained, Hear about it later) electric piano, (And the Cradle will rock) synths (Sunday afternoon in the park) It's simple, powerful, consistent, reliable and a very distinct sound. A true stomp box".*



**LIVE TO PLAY LIVE®**

DUNLOP MANUFACTURING, INC. P.O. BOX 846 BENICIA, CA 94510 U.S.A.  
TEL: 1-707-745-2722 FAX: 1-707-745-2658 WWW.JIMDUNLOP.COM  
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We've done it again! Dunlop has once again partnered with living legend Edward Van Halen to present a new spin on a classic tone. Everyone knows that it was the MXR Flanger that powered the timeless Van Halen tunes "Unchained" and "And the Cradle Will Rock." Now you can grab a piece of that world-class tone with the new **MXR EVH 117 Flanger**. This amazing stomp box features the same bucket-brigade technology that provided the sweeping, whooshing magic of the original. But we didn't stop there. We've also added the EVH Switch, which instantly calls up Eddie's "Unchained" sound with the exact same Manual, Speed, Width, and Regeneration settings that he used to get one of the greatest guitar tones of all time.

**DESCRIPTION**

- A staple of funky 70's sounds, from jet plane to space effects!
- Original bucket brigade design for classic analog flanging
- Incredibly controllable parameters deliver infinite possibilities
- Does the work of a flanger, chorus, delay and more!
- Indestructible die-cast housing in EVH-approved striped graphics