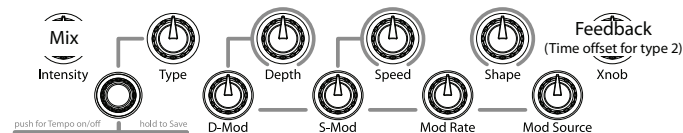
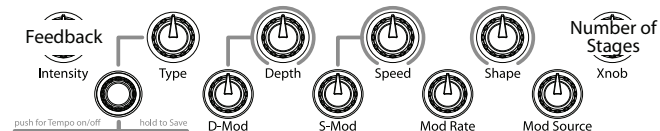


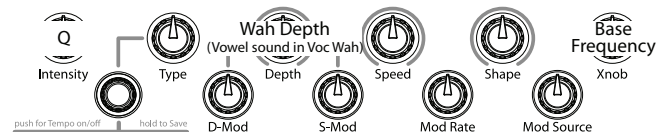
THE EFFECTS



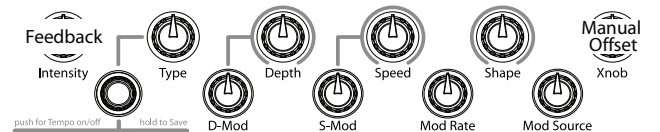
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- Phaser
- Q-Wah
- Flanger
- ModFilter
- Rotary
- TremoloPan
- Vibrato
- Undulator
- RingMod



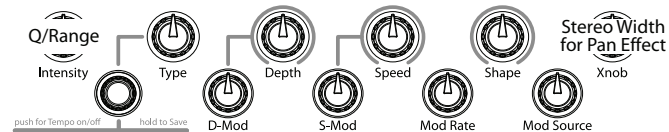
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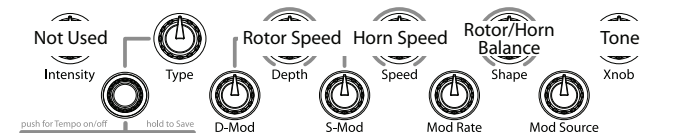
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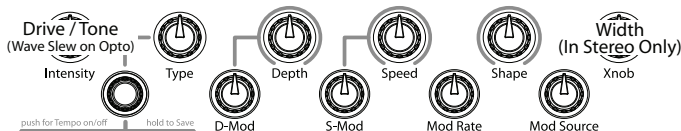
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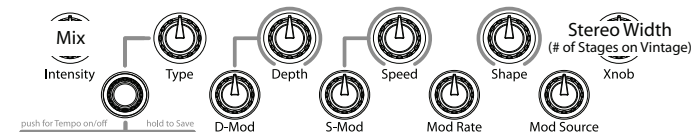
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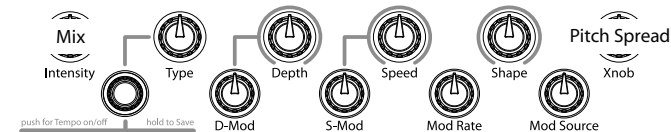
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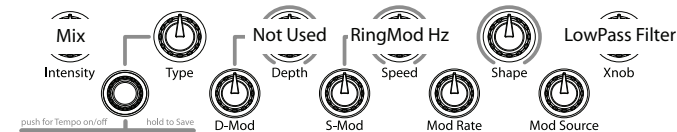
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- Flanger
- ModFilter
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- TremoloPan
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- Undulator
- RingMod



- Chorus
- Phaser
- Q-Wah
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- RingMod



- Chorus
- Phaser
- Q-Wah
- Flanger
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- RingMod

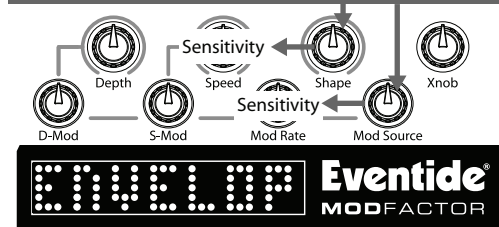


- Chorus
- Phaser
- Q-Wah
- Flanger
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- TremoloPan
- Vibrato
- Undulator
- RingMod

SHAPE KNOB

The Shape knob allows you to choose the source of modulation on all effect types. The choices are Sine, Triangle, Peak, Random, Ramp, Square, SMP/HLD, Envelope, ADSR, and Expression Pedal (EXP PDL.)

"ENVELOPE" OR "ADSR" as Modulation Choices



Selecting ENVELOP or ADSR with the Shape knob will cause the modulation to follow the attack of your playing, much like on an Auto Wah. To adjust for various input levels, the Speed knob becomes a Sensitivity control. Note that selecting ENVELOP or ADSR with the Shape knob will cause Tap Tempo, Slow/Fast/Brake, and S-Mod to have no effect.

You can also select ENVELOP or ADSR with the Mod Source knob. In this case, the Mod Rate knob becomes a Sensitivity control.



BOTTOM ROW OF KNOBS (SECONDARY LFO)

D-Mod: [Depth-Mod] Amount of Amplitude Modulation (AM). This knob "wiggles" the Depth Knob's parameter by a little to a lot. (Fully counter-clockwise is OFF)

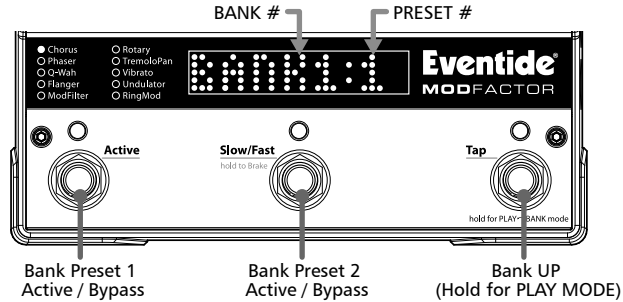
S-Mod: [Speed-Mod] Amount of Frequency Modulation (FM). This knob "wiggles" the Speed Knob's parameter by a little to a lot. (Fully counter-clockwise is OFF)

Mod Rate: Sets the secondary LFO rate. This knob controls how fast both D-Mod and S-Mod "wiggle" their targets. Range is 1/8th of Speed Knob to 8 times Speed Knob (with Tempo OFF) or Sync to 1/8th Note Divisions (with Tempo ON.)

Mod Source: Sets the secondary LFO modulation source. Choices are Sine, Triangle, Peak, Random, Ramp, Square, SMP/HLD, Envelope, ADSR, and Pedal.

BANK MODE

Use footswitches to select presets and to bypass.
Presets are stored in pairs. Each pair of presets is called a Bank. 20 Banks - total of 40 presets

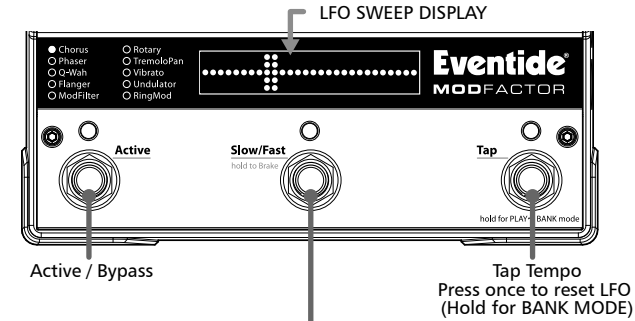


Toggle between BANK and PLAY MODE by pressing and holding the right footswitch for about 2 seconds.
The encoder knob changes the loaded effect both in BANK and PLAY MODES.

PLAY MODE

Use footswitches to Bypass, select Slow/Fast/Brake, or Tap Tempo.

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TEMPO MODE

Tempo is turned ON or OFF by pressing the encoder. When Tempo is ON, the Tempo LED flashes at the Tempo rate. With Tempo OFF, the Tempo LED is OFF.
When Tempo is ON, Speed is set in rhythmic sub-divisions of the beat, i.e. common beat values rather than in Hz.

EXPRESSION PEDAL

An Expression Pedal can be assigned to control any knob(s) except for the Shape and Mod Source knobs. You can either program knob control or assign the Modulation shape to "EXP PDL."

TO PROGRAM KNOB CONTROL:

1. Move Expression Pedal to Toe or Heel Position. Effect LED blinks to show Pedal Programming is "LIVE."
2. To Assign Knobs:
Press full heel and turn any of the knobs.
Press full toe and turn any of the knobs.
3. To Unassign a Knob:
Keep the knob at the same value in full heel and full toe positions.
4. Remember - Save it or Lose it!
Pedal assignments are saved with Presets.



Expression Pedal controlling a single parameter will display the parameter name and value as if you were turning a Knob.



Expression Pedal controlling multiple parameters will display the pedal value (from 0 to 100) and the parameter Knobs shown as dots.



When the Pedal is used, the column above each dot is used to indicate that the Pedal is controlling that parameter.

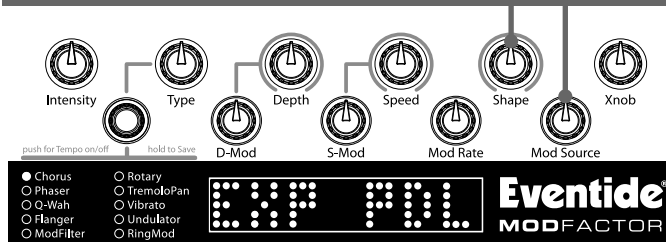
SLOW/FAST/BRAKE

- Pressing and releasing the switch toggles Slow Mode on and off. The LFOs will slow down by a predetermined factor, simulating the speed change of a rotary speaker cabinet.
- Pressing and holding the switch will engage Brake Mode. The LFOs will slow down at a constant rate while the switch is held. Once the switch is released, Brake Mode is turned off and the LFOs will recover to their previous rate.
- If the Shape or Mod Source knob is set to EXP PDL but there is no Expression Pedal plugged in, then Brake Mode will mimic the effect of sweeping the Expression Pedal.
- If the time between pressing and releasing the switch is less than 1 second, Slow Mode will be toggled. If it is greater than 1 second, Slow Mode will not be toggled.

TO SAVE A PRESET

1. Press and hold the Encoder for a few seconds.
 2. Turn the Encoder to select the desired Bank # and Preset #.
 3. To save the Preset, press and hold the Encoder again. Billboard displays "SAVED" and Save Mode exits.
 4. To exit Save without saving, press and hold the encoder again without holding, or press any Footswitch. Upon exit without saving, the Billboard displays "NO SAVE".
- NOTE: When you save a new Preset, you overwrite the old Preset.

"EXP PDL" CHOICE ON SHAPE OR MOD SOURCE KNOB



Selecting "EXP PDL" with the Shape knob or Mod Source knob will override Expression Pedal programming. This is the easiest way to get WAH Pedal-like functionality from any of ModFactor's effect types using an Expression Pedal. Note that since an Expression Pedal will be controlling modulation in this setting, the Speed and S-Mod knobs, Tap Tempo, and Slow/Fast/Brake will have no effect.