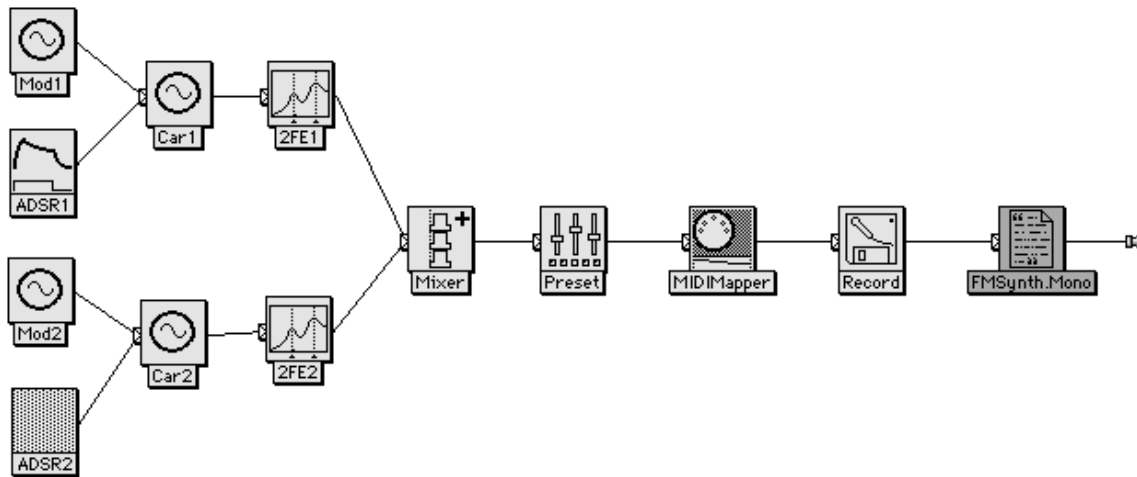


## Kyma Module: FMSynth.Mono

### 1) Flow Chart for FMSynth.Mono





### 2) Parameter Fields for 2FE1

<b>Formant1</b>	<b>Formant2</b>
O1gCF1 * 1000 hz	O1jCF2 * 2000 hz
<b>Bandwidth1</b>	<b>Bandwidth2</b>
O1hBW1 * 10 hz	O1kBW2 * 50 hz
<b>Scale1</b>	<b>Scale2</b>
O1iAmp1	O1lAmp1

### 3) Parameter Fields for Car1

<b>Duration</b> 10 m	<b>Envelope</b>  ADSR1 L	<b>Reset</b> 0	<b>Modulation</b> ◇ None ◇ Frequency	<b>Modulator</b> 
<b>Frequency</b>  pitch + ( O1aCar * 48 nn)	<b>PitchBend</b>  PitchBend		<b>MaxM1</b> 10	
<b>Wavetable</b> sine	<b>Interpolation</b> ◇ Linear ◇ None		<i>Oscillator</i>	

### 4) Parameter Fields for Mod1

<b>Duration</b> 10 m	<b>Envelope</b>  O1cModA * 0.75	<b>Reset</b> 0	<b>Modulation</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Frequency	<b>Modulator</b> 
<b>Frequency</b>  pitch + ( O1bModF * 48 nn)	<b>PitchBend</b>  PitchBend		<b>MaxM1</b> 0	
<b>Wavetable</b> Sine 	<b>Interpolation</b> <input checked="" type="checkbox"/> Linear <input type="checkbox"/> None		<i>Oscillator</i>	

### 5) Parameter Fields for ADSR1

<b>Duration</b> 20 m	<b>Type</b> <input checked="" type="checkbox"/> Linear <input type="checkbox"/> Exponential	
<b>AttackTime</b> 0.2 s	<b>DecayTime</b> 0.2 s	<b>ReleaseTime</b> 1.5 s
<b>Gate</b>  keydown	<b>Scale</b>  keyvelocity	<b>SustainLevel</b> 1
<i>ADSR</i>		

### 6) Virtual Control Surface

**Virtual Control Surface**

1) No Peavey Faders. 2) MIDI keyboard plays pitches and pitchbend. 3) "O1" refers oscillator 1 and its filters; "O2" is oscillator 2. 4) Car ModF and ModA create new frequencies and timbres. 5) Car and ModF interact with keyboard pitch and pitchbend. 6) To use: hold down several notes on the keyboard and tweak the faders until you get a sound that you like. Then check the recording box to record the sound in mono. Uncheck to stop recording. Check to resume recording.

<b>O1 aCar</b>  0.1448	<b>O1 bModF</b>  0.02759	<b>O1 cModA</b>  0.3793	<b>O1 gCF1</b>  0.3241	<b>O1 hBW1</b>  0.7034	<b>O1 iAmp1</b>  0.7517	<b>O1 jCF2</b>  0.6138	<b>O1 kBW2</b>  0.3586	<b>O1 iAmp1</b>  0.9379
<b>O2 aCar</b>  0.731	<b>O2 bModF</b>  0.1882	<b>O2 cModA</b>  0.6621	<b>O2 gCF1</b>  0.3851	<b>O2 hBW1</b>  0.5743	<b>O2 iAmp1</b>  0.2828	<b>O2 jCF2</b>  0.4414	<b>O2 kBW2</b>  0.4897	<b>O2 iAmp1</b>  0.8759

recording