Module [Description	Demonstration
		Used for anti-aliasing and reconstruction of main audio signals
		going to AC'97 codec chip. Also available as a routable effects
		block. Default instantiation will contain <> filters. Available filters
	Applies a 64-tap Finite Input Response filter to an 18-bit audio	are of the low-pass, high-pass, and all-pass (phase-changing)
FIR Filter	signal.	variety.
	Input signal is recorded into a buffer of user-defined size. Buffer	Used as the basis for several effects. Demonstration will be with
	is played back at user-defined speed after it is filled.	audio.
	Splits a mono audio channel into a pair of equal-power (root x)	Mix will be altered to show panning between left and right
Pan	stereo signals.	channels.
	Outputs a weighted sum of two signals, based on user-defined	The difference between wet and dry outputs will be
	mix setting.	demonstrated using the mix module.
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	Outputs sine, square, triangle, and sawtooth waves at user-	Used as input to other modules, such as delay, to create new
	defined frequency/amplitude.	effects.
	Routes the 18-bit audio output signals of effects modules into	
	the appropriate 18-bit audio inputs of the effects modules. A	
		Applying different connectivity to the patch bay will live update
Signal Routing s	signals correctly.	the signal path through the audio effects.
	Select blocks/inputs on the visual display and alter non-signal	Parameter and Signal Generator assignment should be
	inputs.	accessible using both mouse and keyboard.
	Provides visual feedback of module output activity (no	docessible daling both mode and keyboard.
	connectivity information). Displays modules parameters and	
		Will give visual feedback as device is used.
	Applies a low-pass filter to signals coming from and going to the	<u> </u>
	AC'97 codec chip to anti-alias. Includes the ac97 and	
	ac97commands modules from Lab 4(a).	Demonstrated by use of audio.