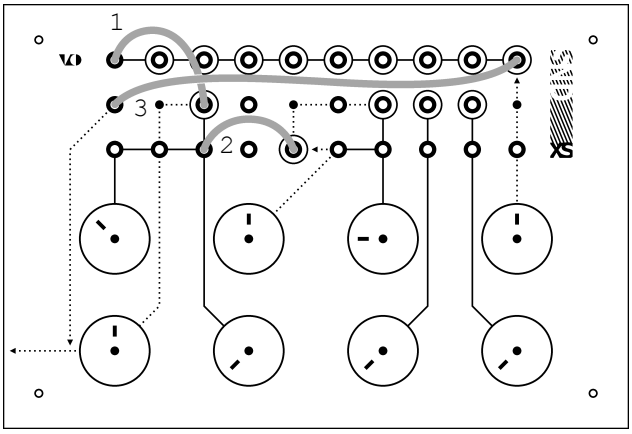

EXAMPLE PATCH 1: Comparator Sweep

This patch uses the sine wave's attenuated output (SINE a) to modulate the wave multiplier comparator value (WM comp). The wave multiplier output (WM) is patched into the clock divider input (CD) and uses the first division (/2) as a square wave sub oscillator.

The mix between the wave multiplier and sub oscillator is controlled with the respective amplitude controls (WM amp and /2 amp in the patch chart on the next page).

EXAMPLE 1: Comparator Sweep

OUT	CONNECTION	IN	KNOB
WM	1	WM freq	30%
SINE f		WM amp	50%
SINE a	2	2 WM comp	0%
AT 1		SINE amp	50%
AT 2		SINE freq	15%
/ 2	3	SINE sync	
/ 4		AT 1	-
/ 8		AT 2	-
/ 16		1 CD	
/ 32		/ 2 amp	50%
/ 64		3 AUDIO	
/ 128			
/ 256			
/ 512			

- Tempo: **SINE freq**
- Volume: **WM amp** + **/2 amp**
- Tune: **WM freq**

EXAMPLE 2: Asymmetric Rhythm

OUT	CONNECTION	IN	KNOB
WM		2 WM freq	20%
SINE f	1	4 WM amp	20%
SINE a		6 WM comp	20%
AT 1	2	SINE amp	-
AT 2	3	3 SINE freq	25%
/ 2	4	SINE sync	
/ 4	5	5+8 AT 1	30%
/ 8	6	7 AT 2	50%
/ 16	7	1 CD	
/ 32	8	/ 2 amp	50%
/ 64		AUDIO	
/ 128			
/ 256			
/ 512			

- Tempo: **SINE freq**
- Volume: **WM amp** + **/2 amp**
- Tune: **WM freq** + **AT 1**
- Stutter Rate: **AT 2**

EXAMPLE 3: Amplitude Modulation

OUT	CONNECTION	IN	KNOB
WM		3+4 WM freq	0%
SINE f	1	2 WM amp	0%
SINE a	2	5 WM comp	50%
AT 1	3	SINE amp	50%
AT 2	4	SINE freq	40%
/ 2	5	SINE sync	
/ 4		6 AT 1	40%
/ 8		7 AT 2	45%
/ 16		1 CD	
/ 32	6	8 / 2 amp	0%
/ 64	7	AUDIO	
/ 128			
/ 256	8		
/ 512			

- Tempo: **SINE freq**
- Volume: **SINE amp**
- **WM comp, AT 1** and **AT 2** knob position changes cause drastic variation in sound

EXAMPLE 4: Oscillator Sync + Sub

OUT	CONNECTION	IN	KNOB
WM	1	WM freq	20%
SINE f	2	WM amp	50%
SINE a	3	WM comp	0%
AT 1		SINE amp	50%
AT 2		SINE freq	50%
/ 2	4 1	SINE sync	
/ 4		AT 1	-
/ 8		AT 2	-
/ 16	2	CD	
/ 32		/ 2 amp	50%
/ 64	3+4	AUDIO	
/ 128			
/ 256			
/ 512			

- Pitch + Shape: **WM freq** + **SINE freq**
- **SINE freq** at LFO rates produces plucks and at audio rates makes formants

EXAMPLE 5: Smooth Oscillator Sync

OUT	CONNECTION	IN	KNOB
WM	1+2	WM freq	20%
SINE f		WM amp	0%
SINE a	3	WM comp	0%
AT 1	4 4	SINE amp	0%
AT 2		SINE freq	50%
/ 2	1	SINE sync	
/ 4	2	AT 1	50%
/ 8		AT 2	-
/ 16		CD	
/ 32		/ 2 amp	-
/ 64	3	AUDIO	
/ 128			
/ 256			
/ 512			

- Like the previous example but uses amplitude modulation to filter out the higher frequencies

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EXAMPLE 6: Duophonic Sequences

OUT	CONNECTION	IN	KNOB
WM	4	WM freq	20%
SINE f	1	WM amp	50%
SINE a	2	WM comp	10%
AT 1	3	SINE amp	50%
AT 2	4 3	SINE freq	45%
/ 2	5	SINE sync	
/ 4	7	AT 1	60%
/ 8	6+8	AT 2	25%
/ 16	1	CD	
/ 32		/ 2 amp	45%
/ 64	2+5	AUDIO	
/ 128	6		
/ 256	7		
/ 512	8		

- Tune: **WM freq** + **AT 2** + **SINE freq** + **AT 2**
- Adjust tuning parameters to create different melodies

EXAMPLE 7: Synced Amp Modulation

OUT	CONNECTION	IN	KNOB
WM	1+2	4+5 WM freq	25%
SINE f		WM amp	20%
SINE a	3	WM comp	20%
AT 1	4	SINE amp	50%
AT 2	5	SINE freq	50%
/ 2	6 1	SINE sync	
/ 4	7	AT 1	60%
/ 8	8	AT 2	40%
/ 16	2	CD	
/ 32	7	3 / 2 amp	0%
/ 64	6	AUDIO	
/ 128			
/ 256	8		
/ 512			

- Tune: **WM freq** + **AT 1** + **AT 2**
- **SINE amp** level determines amplitude modulation of **/ 2** output