cTOPconsult Eurorack Synthesizer
Signals Overview
and
Patch-Planning Tool

- X Test coupling
- X Permanent coupled: On / 10% / off switched by two jack contacts
- Not intended connection, but maybe try anyway
- Only internal access, e.g. from bus
- Input or output free, and not used yet
- Not finished cTOPconsult module

- A Analog sound (control signal)
- D Digital trigger (sound signal)
- A Analog control signal (CV)
- A Analog control signal (CV), on Extra Panel
- D Digital trigger signal (GATE)
- Non-cTOPconsult module, e.g. Doepfer

47 Analog outputs
8 Digital Outputs

53 Analog inputs
6 Digital inputs

125 Manual controls
114 I/O Connectors

								Super VCO, incl. Extra Panel																																																	
			A-190-3 MIDI Interface					Wein Bridge	Extra generators			Main VCO								Envelope generator							FM VCO	PWM VCO	Odd Harmonics				Ring Modulator		32-step Sequencer			Simple Mixer		ADSR MIxer	Dual Reverb		Mixer Cable	Mixer Cable for external devices			Chorus	A-156 Dual Quantizer				Waveshaper Crossfader		Dual lin/exp VCA		A-106-5 12dB SEM VCF		
			2					3	0	1	0	1	5					1	0	5							4	2	3				1		36			7		3	10		0	3			22	3				0	2	3	3	5		
Outputs and manual controls			GATE	CV Note	CV Pitch	CV V/V	CV Ctrl.	Sine Wave	Noise	+/- 10V	Temperature	Pulse	Triangle	Sine wave	Ramp	Ramp, 2x freq.	Square wave	Sub-divided	Random	Main VCO PW	Main VCO freq.	FM VCO freq.	FM VCO volume	PWM VCO freq.	PWM VCO vol.	Next gate	Sine(square)	Sine wave	Odd Harm. A	Odd Harm. B	"Crazy" signal	Sliced sine	DSBSC signal	Mixed signal	Main 32/24/16	Small 16/8*	Pulse	Sum of 4 or 7	Sum of 3	Sum of 3	Long	Short	Sum of 4	MacBook signal	Amplifier signal	Headphones	Chorus signal	Trigger	CV	Trigger	CV	Sine wave	Signal	Signal	Signal	BP signal	LP/HP signal	
Inputs			D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	A	A	D	A	A	D	D	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	D	A	D	A	A	A	A	A	A	A	
Super VCO, incl. Extra Panel																																																									
Main VCO	PW-Control	A																																																						0
Main VCO	PW-Envelope	A																	X																																					1
Main VCO	PWM	A																									X																													1
Main VCO	Bus-CV	A																																																X							1
Main VCO	freq. Control	A																																																						0
Main VCO	freq. Envelope	A																		X																																				1
Main VCO	FM	A																								X																														1
Envelope generator	Bus-GATE	D																																															X								1
Envelope generator	GATE	A																																																						0
FM VCO	freq. Control	A																																																						0
FM VCO	freq. Envelope	A																			X																																			1
FM VCO	vol. Control	A																																																						0
FM VCO	vol. Envelope	A																				XX																																		1
PWM VCO	freq. Control	A																																																						0
PWM VCO	freq. Envelope	A																					X																																	1
PWM VCO	vol. Control	A																																																						0
PWM VCO	vol. Envelope	A																						XX																																1
Odd Harm.	Ramp*2	A														X																																								1
Odd Harm.	Sine wave	A												X																																										1
Odd Harm.	Modulation	A																																																						0
Ring mod.	Signal	A												X																																										1
Ring mod.	Modulation	A						X																																																	1
Sequencer	Clock	D																																																						0
Sequencer	Modulation	A																																																						0
Simple Mixer	Signal 1	A												X																																										1
Simple Mixer	Signal 2	A										X																																												1
Simple Mixer	Signal 3	A																														X																								1
Simple Mixer	Signal 4	A																										X																												1
Simple Mixer	Signal 5	A																											X																											1
Simple Mixer	Signal 6	A																													X																									1
Simple Mixer	Signal 7	A							X																																																1
3-input ADSR mixer	Signal ADSR	A																																																						0
3-input ADSR mixer	Signal GATE	A																																																						0
3-input ADSR mixer	Signal NEXT	A																																																						0
3-input ADSR mixer	Next gate	D																																																						0
3-input ADSR mixer	GATE	D																																																						1
Dual Reverb	Long	A																																																		X				1
Dual Reverb	Short	A																																																			X			1
Mixer Cable	Signal 1	A																																						X																	1
Mixer Cable	Signal 2	A																																							X																1
Mixer Cable	Signal 3	A																																																		X				1
Mixer Cable	Signal 4	A																																																			X			1
Pot-splitter	Signal	A																																								X															1
Chorus	freq. sync	A																																																						1
A-156 Dual Quantizer	Trigger	D																																																						0
A-156 Dual Quantizer	CV	A																																																						0
A-156 Dual Quantizer	Trigger	D																																																						0
A-156 Dual Quantizer	CV	A																																X																							1
A-184-2 Wave-shaper & Crossfader	Triangle	A																																																						0
A-184-2 Wave-shaper & Crossfader	Signal A	A																																																						0
A-184-2 Wave-shaper & Crossfader	Signal B	A																																																						0
A-184-2 Wave-shaper & Crossfader	CV	A																																																						0
A-133-3 Dual lin/exp VCA	Signal	A																																		X																				1
A-133-3 Dual lin/exp VCA	CV	A																				X																																		1
A-133-3 Dual lin/exp VCA	Signal	A																																			X																			1
A-133-3 Dual lin/exp VCA	CV	A																						X																																1
A-106-5 12dB SEM VCF	CV1	A																																																						0
A-106-5 12dB SEM VCF	CV2	A																																																						0
A-106-5 12dB SEM VCF	Signal	A																																																						0
			0	0	0	0	0	1	1	0	0	1	0	1	0	1	0	0	0	1	1	1	1	1	1	0	1	1	1	1	0	1	1	0	1	0	0	1	1	0	1	1	1	1	1	1	0	0	0	1	1	0	0	1	1	0	0	