Disting Ex α

1 – Matrix Mixer

6in x 4out matrix mixer

L			R	
5	mix input	Z	6	mix input
1	mix input	X	3	mix input
2	mix input	Y	4	mix input
1	mix output	A	3	mix output
2	mix output	B	4	mix output

2 – Augustus Loop

Stereo Tape Delay

L	Feedback		R	
5	*Pitch CV*	Z	6	
1	Left/mono input	X	3	*Clock*
2	Right input	Y	4	Input Level CV
1	Dry/Delay Mix L	A	3	Delay Only L
2	Dry/Delay Mix R	B	4	Delay Only R

3 – SD Multisample

8 voice polyphonic sample playback instrument

L			R	
5	*Pitch CV 3*	Z	6	*Gate 3*
1	*Pitch CV 2*	X	3	*Gate 2*
2	*Pitch CV 1*	Y	4	*Gate 1*
1	Output L	A	3	Paraphonic Gate
2	Output R	B	4	Mono Mix

4 – SD 6 Triggers

Drum playback

L			R	
5	*Trigger input*	Z	6	*Trigger input*
1	*Trigger input*	X	3	*Trigger input*
2	*Trigger input*	Y	4	*Trigger input*
1	Assignable Output	A	3	Assignable Output
2	Assignable Output	B	4	Assignable Output

Disting Ex α

5 – WAV Recorder

Record up to 6 channels of audio

L	Record		R	Play
5	*Record CV*	**Z**	6	*Play CV*
1	Left/mono input	**X**	3	
2	Right input	**Y**	4	
1	L ouput pair 1	**A**	3	L output pair 2
2	R output pair 1	**B**	4	R output pair 2

6 – Multi-Switch

6 sequential or voltage-controlled switches

L	Macro 1/2		R	
5	Switch input or *control CVs*	**Z**	6	Switch input or *control CVs*
1	Switch input or *control CVs*	**X**	3	Switch input or *control CVs*
2	Switch input or *control CVs*	**Y**	4	Switch input or *control CVs*
1	Switch output	**A**	3	Switch output
2	Switch output	**B**	4	Switch output

7 – Looper

four simultaneous loopers

L	Record/Overdub/Clear		R	Play/Pause/Mute
5	*Assignable input*	**Z**	6	*Assignable input*
1	*Assignable input*	**X**	3	*Assignable input*
2	*Assignable input*	**Y**	4	*Assignable input*
1	Assignable outputs	**A**	3	Assignable outputs
2	Assignable outputs	**B**	4	Assignable outputs

8 – Dream Machine

Drone Generator

L	Wave offset		R	
5	Wave input	**Z**	6	
1		**X**	3	
2		**Y**	4	
1	Stereo out L	**A**	3	Fundamental wave
2	Stereo out R	**B**	4	Fundamental envelope

Disting Ex α

9 – Filter Bank

Eight parallel stereo bandpass filters or resonators

L			R	
5		**Z**	6	
1	Left input	**X**	3	CV input (optional)
2	Right input	**Y**	4	Gate input (optional)
1	L mix ouput	**A**	3	Odd sum output
2	R mix output	**B**	4	Even sum output

10 – Poly Wavetable

8 voice polyphonic synthesizer, using wavetable oscillators

L	Wave offset		R	
5	Wave input	**Z**	6	*Filter Frequency*
1		**X**	3	*Sustain*
2	*Pitch CV*	**Y**	4	*Gate*
1	Stereo output L	**A**	3	*Paraphonic Gate*
2	Stereo output R	**B**	4	Mono mix

11 – Granulator

granular synthesis engine

L	Delay mean		R	
5	Left input	**Z**	6	Right input
1	*Delay mean*	**X**	3	*Record*
2	*Pitch CV*	**Y**	4	*Gate*
1	Stereo Mix L	**A**	3	Stereo Grains L
2	Stereo Mix R	**B**	4	Stereo Grains R

12 – Multi FX

Stereo multiFX processor

L			R	
5	*Reverb time*	**Z**	6	
1	Left input	**X**	3	*Variable Sample Rate*
2	Right input	**Y**	4	*Pitch Shift*
1	Stereo mix out L	**A**	3	Stereo aux L
2	Stereo mix out R	**B**	4	Stereo aux R

Disting Ex α

13 – Poly Exciter

8 voice polyphonic synthesizer

L			R	
5	Tone	Z	6	Damping
1	Pressure	X	3	Sustain
2	Pitch CV	Y	4	Gate
1	Stereo out L	A	3	
2	Stereo out R	B	4	Mono mix

14 – Quad Envelope

quad complex (DAHDSR) envelope generator

L			R	
5	Clock	Z	6	
1	Gate/trigger	X	3	Gate/trigger
2	Gate/trigger	Y	4	Gate/trigger
1	Envelope out	A	3	Envelope out
2	Envelope out	B	4	Envelope out

15 – Convolver

realtime convolution

L			R	
5	Trigger recording	Z	6	
1	Input (mono or L)	X	3	Recording input L
2	Input R	Y	4	Recording input R
1	Output (mono or L)	A	3	Impulse out
2	Output R	B	4	Impulse out

16 – Chord Engine

generates chords of pitch CVs from an input pitch CV

L			R	
5	Calibration	Z	6	Chord gate
1	Root CV	X	3	Root gate
2	Pitch CV	Y	4	Gate
1	Pitch CV out	A	3	Pitch CV out
2	Pitch CV out	B	4	Pitch CV out

Disting Ex α

17 – Microtuner			
8 voice polyphonic synthesizer			
L		**R**	
5		**Z** 6	
1	Audio input	**X** 3	Audio input
2	Audio input	**Y** 4	Audio input
1	Audio Thru or fixed V	**A** 3	Audio Thru or fixed V
2	Audio Thru or fixed V	**B** 4	Audio Thru or fixed V

18 – Tracker			
quad complex (DAHDSR) envelope generator			
L		**R**	
5	*Calibration*	**Z** 6	
1	Audio input	**X** 3	
2	*Root CV*	**Y** 4	
1	*Tracked envelope*	**A** 3	Mix L
2	*Tracked pitch CV*	**B** 4	Mix R