






**Gotharman's gear**

**May 2018 V3**

**specs/comparison list**

**Gotharman's**  
Musical Instruments

	PolySpaze	Anamono X	Anamono Xmini	duoSpaze	FX deFormer
					
<b>Type</b>	Polyphonic/multi-timbral synth/sampler with analog filters, granular effects and sequencer	Modular synthesizer with memory, 2 exchangeable analog filters, sampler, sequencer and granular effects	Modular synthesizer with memory, 1 exchangeable analog filter, sampler, sequencer and granular effects	duophonic/multi-timbral synth/sampler with analog filters, granular effects and sequencer	Granular effects processor with sampler, sequencer and line/guitar input
<b>No. of re-writable presets</b>	1024	1024	1024	1024	512
<b>No. of re-writable songs</b>	1024	1024	1024	1024	0
<b>Oscillators/samplers</b>					
<b>Polyphony/multi-timbral</b>	4 voices/4 parts	5 voice semi-polyphonic via its modular structure	4 voice semi-polyphonic via its modular structure	4 voices (2 synth + 2 sampler)/4 parts	1 voice
<b>Max number of oscillators at the same time</b>	8 (2 per voice)	5	4	4 oscillators (2 per synth part)	0
<b>Max number of samplers at the same time</b>	4 (1 per voice)	5	4	2	1
<b>Number of sample slots per preset –Selectable samplings within the samplers</b>	16 -4 per sampler	20 -4 per sampler	16 -4 per sampler	8 -4 per sampler	1
<b>No. of selectable chops per sampling</b>	64	64	64	64	0

	<b>PolySpaze</b>	<b>Anamono X</b>	<b>Anamono Xmini</b>	<b>duoSpaze</b>	<b>FX deFormer</b>
<b>Oscillator waveforms</b>	<p>Osc1: Morphable from sine to triangle to saw to square to feedback wave. PW affects all waveforms.</p> <p>Osc2: Selectable sine, triangle, saw, square, noise. PW affects all waveforms, except for noise.</p>	<p>Morphable from sine to triangle to saw to square to feedback wave. PW affects all waveforms.</p>	<p>Morphable from sine to triangle to saw to square to feedback wave. PW affects all waveforms.</p>	<p>Osc1: Morphable from sine to triangle to saw to square to feedback wave. PW affects all waveforms.</p> <p>Osc2: Selectable sine, triangle, saw, square, noise. PW affects all waveforms, except for noise.</p>	-
<b>Oscillator FM</b>	Yes, 2>1	Yes, on any oscillator parameter	Yes, on any oscillator parameter	Yes, 2>1	-
<b>Oscillator Sync</b>	Yes, 1>2	Yes	Yes	Yes, 1>2	-
<b>Can modulate the parameters of:</b>	Osc/Sampler 1 pitch, VCF1-8 cutoff frequency.	Osc1-5, VCF1-2, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-8.	Osc1-1, VCF, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Osc/Sampler 1 pitch, VCF1-4 cutoff frequency.	None
<b>Sub Oscillator</b>	No	Yes	Yes	No	No

	<b>PolySpaze</b>	<b>Anamono X</b>	<b>Anamono Xmini</b>	<b>duoSpaze</b>	<b>FX deFormer</b>
<b>Ring Modulators</b>					
<b>No. of Ring Modulators</b>	4 (1 per voice).	4 Ring VCA. Also functions as modulation sources amount modulation	4 Ring VCA. Also functions as modulation sources amount modulation	2 (1 per synth part)	0
<b>Placement</b>	Between Osc1 and Osc2	Anywhere in the modular chain	Anywhere in the modular chain	Between Osc1 and Osc2	
<b>Can modulate the parameters of:</b>	None	Osc1-5, VCF1-2, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-8.	Osc1-1, VCF, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	None	None
<b>Sources</b>	Input 1: Osc1 or any modulation source.  Input 2: Osc2.	Any audio or modulation source.	Any audio or modulation source.	Input 1: Osc1 or any modulation source.  Input 2: Osc2.	

	PolySpaze	Anamono X	Anamono Xmini	duoSpaze	FX deFormer
<b>Filters</b>					
<b>No. of Analog Filters</b>	8 (2 per voice)	From 1 to 8 - Exchangable	From 1 to 4 - Exchangable	4 (2 per synth part)	0
<b>Max no. of digital filters</b>	8	4 –In the effects processors	4 –In the effects processors	6	1
<b>Analog filter types</b>	24dB HPF + 24dB LPF per voice, Filterbank with 8 filters.	Depends on, what filterboards are installed: <b>VCF1:</b> 12dB LPF, BPF, HPF. <b>VCF2:</b> 12dB LPF, BPF,HPF + BPF. <b>VCF3:</b> 12dB LPF + BPF + HPF or 3xBPF. <b>VCF4:</b> 12dB LPF,BPF,HPF special. <b>VCF5:</b> 6dB,12dB,18dB,24dB LPF, that can be mixed to form other filter types. <b>VCF6:</b> 24dB LPF+6/12bit conversion. <b>VCF7:</b> 12dB Tube LPF,BPF,HPF. <b>VCF8:</b> 2x24dB HPF, 2x24dB LPF.	Depends on, what filterboard are installed: <b>VCF1:</b> 12dB LPF, BPF, HPF. <b>VCF2:</b> 12dB LPF, BPF,HPF + BPF. <b>VCF3:</b> 12dB LPF + BPF + HPF or 3xBPF. <b>VCF4:</b> 12dB LPF,BPF,HPF special. <b>VCF5:</b> 6dB,12dB,18dB,24dB LPF, that can be mixed to form other filter types. <b>VCF6:</b> 24dB LPF+6/12bit conversion. <b>VCF7:</b> 12dB Tube LPF,BPF,HPF. <b>VCF8:</b> 2x24dB HPF, 2x24dB LPF.	24dB HPF + 24dB LPF per synth part.	-

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<b>G-Ray (Gotharman Ray) feedback</b>	Yes	Yes	Yes	Yes	No
<b>Digital filter types</b>	<p>In Synth "B" Mode: LPF1-5, BPF1-4, HPF1-3, FAT1-2, LoFi, Destruktion.</p> <p>In the effects processors: LPF, BPF, BPF8, HPF, BEF, ADD, BASS, LOFI, LPF2, BPF2, BPF8-2, HPF2, BEF2, ADD2, BASS2, LOFI2, Peq1, Peq2, IIRLPF1-2, IIRBPF1-2, IIRHPF1-2.</p>	<p>LPF, BPF, BPF8, HPF, BEF, ADD, BASS, LOFI, LPF2, BPF2, BPF8-2, HPF2, BEF2, ADD2, BASS2, LOFI2, Peq1, Peq2.</p>	<p>LPF, BPF, BPF8, HPF, BEF, ADD, BASS, LOFI, LPF2, BPF2, BPF8-2, HPF2, BEF2, ADD2, BASS2, LOFI2, Peq1, Peq2.</p>	<p>In the Audio Matrix: LPF1-5, BPF1-4, HPF1-3, FAT1-2, LoFi, Destruktion.</p> <p>In the effects processors: LPF, BPF, BPF8, HPF, BEF, ADD, BASS, LOFI, LPF2, BPF2, BPF8-2, HPF2, BEF2, ADD2, BASS2, LOFI2, Peq1, Peq2, IIRLPF1-2, IIRBPF1-2, IIRHPF1-2</p>	<p>Lpf, Bpf, Bp8, hpf, Add, Bef, Bass, LoFi.</p>
<b>Digital filter adjust, to alter the shape of the filter</b>	Yes	Yes	Yes	Yes	Yes
<b>Analog filter FM</b>	Yes	Yes, on any filter parameter	Yes, on any filter parameter	Yes	-
<b>Digital filter FM</b>	No	Yes	Yes	No	No

	<b>PolySpaze</b>	<b>Anamono X</b>	<b>Anamono Xmini</b>	<b>duoSpaze</b>	<b>FX deFormer</b>
<b>VCA's</b>					
<b>No. of VCA's</b>	4 (1 per voice)	4	4	4 (1 per part)	0
<b>Assignable to:</b>	Output 1 + 2, EFX 1 + 2, EFX 3 + 4.	Output 1, Output 2, Output 1 + 2, modular matrix.	Output 1, modular matrix.	Output 1 + 2, EFX 1 + 2.	Output 1.
<b>Envelopes</b>					
<b>No. of envelopes</b>	12 (3 per voice)	8	8	12 (3 per part)	0
<b>Envelope types</b>	ADSR –Attack, decay, sustain, release. D –Decay Envelope.	ADSR –Attack, decay, sustain, release.	ADSR –Attack, decay, sustain, release.	ADSR –Attack, decay, sustain, release. D –Decay Envelope.	-
<b>Can modulate the parameters of:</b>	Osc1-2, VCF1-2, DGF, VCA, ENV1-2, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Osc1-5, VCF1-2, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-8.	Osc1-1, VCF, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Osc1-2, Smp1-2, VCF1-2, DGF, VCA, ENV1-2, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	-
<b>LFO's</b>					
<b>No. of LFO's</b>	4 (1 per voice)	4	4	4 (1 per part)	4
<b>LFO waveforms</b>	Morphable from triangle to saw to square to FM waveform.	Morphable from triangle to saw to square to FM waveform.	Morphable from triangle to saw to square to FM waveform.	Morphable from triangle to saw to square to FM waveform.	Morphable from triangle to saw to square to pulse to random.
<b>Can modulate the parameters of:</b>	Osc1-2, VCF1-2, DGF, VCA, ENV1-2, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Osc1-5, VCF1-2, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-8.	Osc1-1, VCF, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Osc1-2, Smp1-2, VCF1-2, DGF, VCA, ENV1-2, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Sampler, filter, effects.

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<b>Random Generators</b>					
<b>No. of Random Generators</b>	4 (1 per voice)	4	4	4 (1 per part)	0
<b>Can be triggered by:</b>	Note on's, LFO's.	Note on's, LFO's.	Note on's, LFO's.	Note On's.	-
<b>Can modulate the parameters of:</b>	Osc1-2, VCF1-2, DGF, VCA, ENV1-2, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Osc1-5, VCF1-2, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-8.	Osc1-1, VCF, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Osc1-2, Smp1-2, VCF1-2, DGF, VCA, ENV1-2, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	-
<b>Randomizer</b>					
<b>Randomize the parameters of (selectable):</b>	Osc1 (Smp), Osc1 Tune, Osc1 Mod, Osc2, Osc2 Tune, Osc2 Mod, HPF, HPF Mod, LPF, LPF Mod, DGF, DGF Mod, VCA, VCA Mod, EFX, EFX Mod, ENV, ENV Mod, LFO, LFO Mod.	?	?	Osc1 (Smp), Osc1 Tune, Osc1 Mod, Osc2, Osc2 Tune, Osc2 Mod, HPF, HPF Mod, LPF, LPF Mod, DGF, DGF Mod, VCA, VCA Mod, EFX, EFX Mod, ENV, ENV Mod, LFO, LFO Mod.	-



	PolySpaze	Anamono X	Anamono Xmini	duoSpaze	FX deFormer
<b>Effects Processors</b>					
<b>No. of Effects Processors</b>	4	4	4	6	1
<b>Effects placement</b>	Each effect can be placed as Instrument insert or as global output effect.	Anywhere in the modular chain.	Anywhere in the modular chain.	4 Insert effects can be placed freely at any part in the Audio Matrix, 2 are fixed as global output send effects.	Fixed as global output effect.
<b>Effect types</b>	<ul style="list-style-type: none"> <li>-Digital filter/EQ (18 types)</li> <li>-FAT</li> <li>-Chorus</li> <li>-Pitch-Shifter</li> <li>-Stretcher</li> <li>-FM</li> <li>-Resonator</li> <li>-Distortions (4 types)</li> <li>-Pitch Shaper 1</li> <li>-Glitch Shifter (2 types)</li> <li>-Wave Shaper</li> <li>-Granulator</li> <li>-Variator</li> <li>-Delay</li> <li>-Roto Delay</li> <li>-Bright Delay</li> <li>-Bright Roto Delay</li> <li>-Reverb</li> </ul>	<ul style="list-style-type: none"> <li>-Digital filter/EQ (18 types)</li> <li>-Chorus</li> <li>-Pitch-Shifter</li> <li>-Stretcher</li> <li>-FM</li> <li>-Resonator</li> <li>-Distortions (4 types)</li> <li>-Pitch Shaper (2 types)</li> <li>-Glitch Shifter (2 types)</li> <li>-Wave Shaper</li> <li>-Granulator</li> <li>-Variator</li> <li>-Delay</li> <li>-Roto Delay</li> <li>-Bright Delay</li> <li>-Bright Roto Delay</li> <li>-Reverb</li> </ul>	<ul style="list-style-type: none"> <li>-Digital filter/EQ (18 types)</li> <li>-Chorus</li> <li>-Pitch-Shifter</li> <li>-Stretcher</li> <li>-FM</li> <li>-Resonator</li> <li>-Distortions (4 types)</li> <li>-Pitch Shaper (2 types)</li> <li>-Glitch Shifter (2 types)</li> <li>-Wave Shaper</li> <li>-Granulator</li> <li>-Variator</li> <li>-Delay</li> <li>-Roto Delay</li> <li>-Bright Delay</li> <li>-Bright Roto Delay</li> <li>-Reverb</li> </ul>	<ul style="list-style-type: none"> <li>-Digital filter/EQ (18 types)</li> <li>-FAT</li> <li>-Chorus</li> <li>-Pitch-Shifter</li> <li>-Stretcher</li> <li>-FM</li> <li>-Resonator</li> <li>-Distortions (4 types)</li> <li>-Pitch Shaper 1</li> <li>-Glitch Shifter (2 types)</li> <li>-Wave Shaper</li> <li>-Granulator</li> <li>-Variator</li> <li>-Delay</li> <li>-Roto Delay</li> <li>-Bright Delay</li> <li>-Bright Roto Delay</li> <li>-Reverb</li> </ul>	<ul style="list-style-type: none"> <li>-Reverb (2 types)</li> <li>-Delay (2 types)</li> <li>-Glitch Shifter (2 types)</li> <li>-Granulator</li> <li>-Variator</li> <li>-PitchShaper</li> <li>-Sample Pitch</li> <li>-Time Stretch</li> <li>-Abstract0</li> <li>-Chorus</li> <li>-Distortion (4 types)</li> </ul>

	PolySpaze	Anamono X	Anamono Xmini	duoSpaze	FX deFormer
<b>Sample Recorder</b>					
<b>Max no. of samplings excluding chop samplings</b>	255	476	256	255	127
<b>Max no. of samplings including chop samplings, when using the "Load Samples As Chops" function</b>	16.320	30.464	16.384	16.320	-
<b>Total sample time</b>	22 minutes	47 miutes	22 minutes	22 minutes	10 minutes
<b>Single sampling max length</b>	12 minutes	27 minutes	12 minutes	12 minutes	10 minutes
<b>Recording sources</b>	Input 1-2, Output 1-2, USB import	Input, Output, USB import	Output, USB import	Input 1-2, Output 1-2, USB import	Input, USB import via optional USB box
<b>Stereo Samples</b>	Recording and playback	Playback of left or right channel	Playback of left or right channel	Recording and playback	No
<b>Sample Edit</b>	Start,length, chops, chop no, tune, FM	Start,length, chops, chop no, tune, FM	Start,length, chops, chop no, tune, FM	Start,length, chops, chop no, tune, FM	Start, length, tune
<b>Sample Chop system</b>	Yes	Yes	Yes	Yes	No
<b>Samples held in memory after switch off</b>	Yes	Yes	Yes	Yes	Yes
<b>FLASH memory type</b>	NOR	NOR	NOR	NOR	NOR

	PolySpaze	Anamono X	Anamono Xmini	duoSpaze	FX deFormer
<b>Sequencer</b>					
<b>Sequencer Type</b>	Step sequencer	Step sequencer	Step sequencer	Step sequencer	Step sequencer
<b>No. of note tracks</b>	4	8	4	4	1
<b>No. of control event tracks</b>	8	16	8	8	3
<b>No. of event tracks for any events</b>	-	-	-	-	-
<b>No. of audio tracks</b>	-	-	-	-	-
<b>Max no. of recordable events per preset</b>	768	1.536	768	768	64
<b>Max track length</b>	64 steps -4 bars	64 steps -4 bars	64 steps -4 bars	64 steps -4 bars	16 steps -1 bar
<b>Max resolution</b>	1/32	1/32	1/32	1/32	1/16
<b>Note recording methods</b>	Realtime, draw steps	Realtime, input via knobs	Realtime, draw steps	Realtime, draw steps	Input via knobs
<b>Controller event recording methods</b>	Draw steps	Input via knobs	Draw steps	Draw steps	Input via knobs
<b>Event types supported</b>	Notes, MIDI CC's, internal events	Notes, MIDI CC's, internal events	Notes, MIDI CC's, internal events	Notes, MIDI CC's, internal events	Notes, internal events
<b>Sequencer controller events can modulate the parameters of:</b>	Osc1-2, VCF1-2,DGF, VCA, ENV1-2, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Osc1-5, VCF1-2, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-8.	Osc1-1, VCF, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Osc1-2, Smp1-2,VCF1-2,DGF, VCA, ENV1-2, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Sampler, filter, effects.

	PolySpaze	Anamono X	Anamono Xmini	duoSpaze	FX deFormer
<b>Transmits notes via MIDI out</b>	Yes	Yes	Yes	Yes	No
<b>Transmits controller events via MIDI out</b>	Yes	Yes	Yes	Yes	No
<b>Polyphony</b>	4	8	4	4	1
<b>Morphing system</b>					
<b>Morph between 2 layers of synth parameters</b>	Yes	Yes	Yes	Yes	No
<b>Morph between 2 layers of sequencer parameters</b>	Yes	Yes	Yes	Yes	No
<b>No. of Morph knobs</b>	1 (assignable to synth, seq or both)	2 (separate knobs for synth and seq)	1 (assignable to synth, seq or both)	1 (assignable to synth, seq or both)	-
<b>User interface</b>					
<b>Interface type</b>	Touch navigation	Quick navigation via buttons	Touch navigation	Touch navigation	Navigation via buttons
<b>Display</b>	3.2" capacitive touch	3.2" resistive touch, industrial grade.	3.2" capacitive touch	3.2" capacitive touch	2x16 character LCD
<b>Touch screen keyboard</b>	Adjustable, 1 to 8 octaves	8 adjustable notes	Adjustable, 1 to 8 octaves	Adjustable, 1 to 8 octaves	No
<b>Parameter edit</b>	Via 4 knobs	Via 8 knobs	Via 4 knobs	Via 4 knobs	Via 3 knobs
<b>Quick edit knobs</b>	6	8	6	4	0
<b>Trigger buttons</b>	4	8	4	2	1 (Play button are assignable)

	PolySpaze	Anamono X	Anamono Xmini	duoSpaze	FX deFormer
<b>Trigger system</b>					
<b>Setup</b>	Fixed, no setup.	Advanced and very flexible. Triggers must be set up to which oscillators, samplers, envelopes and random generators, they shall trigger. To make things easier, you can start with the memorized presets.	Simple. Each trigger will always trigger something. It is possible to set which trigger should trigger which oscillator, sampler, envelope and random generator, but it is not mandatory.	Fixed, no setup.	Fixed, no setup.

	PolySpaze	Anamono X	Anamono Xmini	duoSpaze	FX deFormer
<b>USB</b>					
USB functions	<ul style="list-style-type: none"> <li>-Import wav file</li> <li>-Import LD sampling</li> <li>-Import preset</li> <li>-Import song</li> <li>-Import all files from directory (samples, presets and songs)</li> <li>-Reload all files from directory (Imports all samples, presets and songs to their original slots)</li> <li>-Import all samples from directory as chops (generates one sampling from all of the samplings in the directory, and sets a chop point at each samplings start point)</li> <li>-Export sample wav</li> <li>-Export all samplings</li> <li>-Export preset</li> <li>-Export all presets</li> <li>-Export song</li> <li>-Export all songs</li> <li>-Create directory</li> <li>-Delete file</li> <li>-Update firmware</li> </ul>	<ul style="list-style-type: none"> <li>-Import wav file</li> <li>-Import LD sampling</li> <li>-Import preset</li> <li>-Import song</li> <li>-Import all files from directory (samples, presets and songs)</li> <li>-Reload all files from directory (Imports all samples, presets and songs to their original slots)</li> <li>-Import all samples from directory as chops (generates one sampling from all of the samplings in the directory, and sets a chop point at each samplings start point)</li> <li>-Export sample wav</li> <li>-Export all samplings</li> <li>-Export preset</li> <li>-Export all presets</li> <li>-Export song</li> <li>-Export all songs</li> <li>-Create directory</li> <li>-Delete file</li> <li>-Update firmware</li> </ul>	<ul style="list-style-type: none"> <li>-Import wav file</li> <li>-Import LD sampling</li> <li>-Import preset</li> <li>-Import song</li> <li>-Import all files from directory (samples, presets and songs)</li> <li>-Reload all files from directory (Imports all samples, presets and songs to their original slots)</li> <li>-Import all samples from directory as chops (generates one sampling from all of the samplings in the directory, and sets a chop point at each samplings start point)</li> <li>-Export sample wav</li> <li>-Export all samplings</li> <li>-Export preset</li> <li>-Export all presets</li> <li>-Export song</li> <li>-Export all songs</li> <li>-Create directory</li> <li>-Delete file</li> <li>-Update firmware</li> </ul>	<ul style="list-style-type: none"> <li>-Import wav file</li> <li>-Import LD sampling</li> <li>-Import preset</li> <li>-Import PolySpaze Preset</li> <li>-Import song</li> <li>-Import all files from directory (samples, presets and songs)</li> <li>-Reload all files from directory (Imports all samples, presets and songs to their original slots)</li> <li>-Import all samples from directory as chops (generates one sampling from all of the samplings in the directory, and sets a chop point at each samplings start point)</li> <li>-Export sample wav</li> <li>-Export all samplings</li> <li>-Export preset</li> <li>-Export all presets</li> </ul>	<ul style="list-style-type: none"> <li>Via optional USB box.</li> <li>-Import wav file</li> <li>-Import LD sampling</li> <li>-Import preset</li> <li>-Import all files from directory (samples, presets and songs)</li> <li>-Export sample wav</li> <li>-Export all samplings</li> <li>-Export preset</li> <li>-Export all presets</li> <li>-Create directory</li> </ul>

- Export song
- Export all songs
- Create directory
- Delete file
- Update firmware

	PolySpaze	Anamono X	Anamono Xmini	duoSpaze	FX deFormer
<b>MIDI</b>					
<b>MIDI events received</b>	Note, CC, pitch bend, program change, mono aftertouch, Poly Aftertouch, clock, start/stop	Note, CC, pitch bend, program change, mono aftertouch, clock, start/stop	Note, CC, pitch bend, program change, mono aftertouch, clock, start/stop	Note, CC, pitch bend, program change, mono aftertouch, Poly Aftertouch, clock, start/stop	Note, CC, pitch bend, program change, mono aftertouch, clock, start/stop
<b>MIDI events transmitted</b>	Note, CC, clock, start/stop	Note, CC, clock, start/stop	Note, CC, clock, start/stop	Note, CC, clock, start/stop	CC
<b>Assignable MIDI CC's</b>	1-33 for each part. 32= bank change.	1-9. 32= bank change.	1-9. 32= bank change.	1-33 for each part. 32= bank change.	1-6. 32= bank change. 14= effect bypass.
<b>Controller events can modulate the parameters of:</b>	Osc1-2, VCF1-2, DGF, VCA, ENV1-2, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Osc1-5, VCF1-2, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-8.	Osc1-1, VCF, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Osc1-2, VCF1-2, DGF, VCA, ENV1-2, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4.	Sampler, filter, effects.
<b>CV</b>					
<b>No. of CV inputs</b>	4 (optional)	4	4 (optional)	3 (optional)	4 via optional AnaX
<b>No. of CV outputs</b>	4 (optional)	4 (optional)	4 (optional)	0	2 via optional AnaX
<b>CV inputs can modulate the parameters of:</b>	Osc1-2, VCF1-2, DGF, VCA, ENV1-2, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4, trigger 1-4, seq clock, seq reset, seq start/stop.	Osc1-5, VCF1-2, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-8, trigger 5-8.	Osc1-1, VCF, VCA1-4, Ring VCA1-4, ENV1-8, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4, trigger 1-4.	Osc1-2, Smp1-2, VCF1-2, DGF, VCA, ENV1-2, LFO1-4, EFX1-4, CV out 1-4, Seq note track 1-4, trigger 1-4, seq clock, seq reset, seq start/stop.	Sampler, filter, effects.
<b>CV outputs can transmit</b>	Any modulation source, trigger 1-4.	Any modulation source, including audio, trigger 5-8.	Any modulation source, including audio, trigger 1-4.	-	Any modulation source.



	<b>PolySpaze</b>	<b>Anamono X</b>	<b>Anamono Xmini</b>	<b>duoSpaze</b>	<b>FX deFormer</b>
<b>Connections</b>					
<b>Audio inputs</b>	2 –Assignable to sample recording (mono or stereo), and to the analog filters and the effects processors	1 –Assigned to sample recording (mono) and to the modular audio system.	1 –Always assigned to the analog filter.	2 –Assignable to sample recording (mono or stereo), and to the analog filters and the effects processors .	1 –Assigned to sample recording and the effects.
<b>Audio outputs</b>	2	2	1	2	1
<b>MIDI inputs</b>	1	1	1	1	1
<b>MIDI outputs</b>	1	1	1	1	1
<b>Power Supply</b>	9V, 2A	9V, 2A	9V, 2A	9V, 2A	9V, 660 mA
<b>Audio system</b>					
<b>Inputs</b>	24 bit, 44.1 KHz	24 bit, 44.1 KHz	24 bit, 44.1 KHz	24 bit, 44.1 KHz	24 bit, 44.1 KHz
<b>Outputs</b>	24 bit, 44.1 KHz	24 bit, 44.1 KHz	24 bit, 44.1 KHz	24 bit, 44.1 KHz	24 bit, 44.1 KHz
<b>Internal system</b>	32 bit, 44.1 KHz	32 bit, 44.1 KHz	32 bit, 44.1 KHz	32 bit, 44.1 KHz	40 bit, 44.1 KHz
<b>Sampler</b>	16 bit, 44.1 KHz	16 bit, 44.1 KHz	16 bit, 44.1 KHz	16 bit, 44.1 KHz	16 bit, 44.1 KHz
<b>Size and weight</b>					
<b>Size</b>	22 x 12.5 x 5 cm	23 x 16 x 6 cm	22 x 12.5 x 5 cm	17 x 12.5 x 5 cm	17 x 10 x 6 cm
<b>Weight</b>	0.9 Kg	1.3 Kg	0.9 Kg	0.7 Kg	0.5 Kg
<b>Price</b>					
	EUR 1.560,-	From EUR 1.680,-	From EUR 1.159,-	EUR 950,-	EUR 549,-