	LD Zero	SpazeDrum	Zaturn Zero	Urano
Unique Features				
The features which makes each Gotharman instument unique, compared to the ohers.	Effects and analog filters 8 channel modular bus system, where effects and analog filters can be routed in any combinations.	Analog drum, percussion and cymbal/hihat oscillators.	Enhanced draw wave oscillators, which can play back short samplings, and morph between up to four of these.	Draw wave oscillators.
	Stereo sampling.	Special noise oscillators.	Four modular synths, which can be configured into 8 parts.	Completely modular. Modules can be arranged in up to eight parts.
	Up to 4 digital filters per voice.	Four voices with each 2 analog filters and one digital filter, plus four voices with one digital filter each.	Each of the four modular groups has 2 analog filters and one digital filter, or three digital filters.	Up to four analog filters and eight digital filters in total.
	Room for two analog filter boards (LD Zero Analog only!)	Available in two different models (Black and Blue) with different analog filters.	Polyphonic analog filter boards with four dual filters which can be exchanged (Zaturn Zero analog only).	Room for two analog filter boards or dual analog filter boards.
	The ability to record 16 stereo audio tracks.	Each of the four analog groups has four full synth parts, which can cut each other off, to get some very dynamic tracks.	Sine Function, Harmonic and FOF oscillators.	Sine Function, Harmonic and FOF oscillators.
		256 favorite sound locations for instant recall from any preset.	64 favorite sound locations for instant recall from any preset.	
	Cherry RGB push buttons with keyboard function.		Cherry RGB push buttons with keyboard function.	
	On-screen touch pitch bender.		On-screen touch pitch bender.	
Multi-timbral channels	16 parts	16parts	8 main parts plus 8 alternative parts	8 parts

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Sampling	Up to 193 min. (Half in stereo)/8192 samples/4 banks.	18 min./2047 samplings/1 bank.	Up to 193 min./8192 samples/4 banks.	Up to 193 min./8192 samples/4 banks.
Available Preset locations	1024	1024	1024	1024
Available Song locations	1024	1024	1024	1024
Polyphony	8 voices	2 x 4 mono voices (4 analog/4 digital)	2 x 4 voices (4 analog/4 digital)	8 mono voices / 4 note polyphonic
Oscillator types	-Type1 -Type2 -Reso -Perc1-3 -Cymbal1-2 -Clap -Sampler -Chopped keyboard sampler -Crossfade sampler -Noise -WaveTable (Serum and WaveEdit compatible) -Granular sampler	-Analog percussion -Analog cymbal -Analog clap -Type1 -Type2 -Reso -Perc1-3 -Cymbal1-2 -Clap -Sampler -Noise1-2 -Crossfade Osc1/2	-Type1 -Type2 -Reso -Perc1-3 -Cymbal1-2 -Clap -Sine function -Harmonic -Enhanced 4 layer draw -FOF -Sampler -Chopped keyboard sampler -Noise	-Type1 -Type2 -Reso -Perc1-3 -Cymbal1-2 -Clap -Sine function -Harmonic -Enhanced 4 layer draw -FOF -Wavetable -Sampler -Chopped keyboard sampler -Noise
Max number of digital filters	32 (4 per voice)	8 (1 per voice)	4	8
Max number of analog filters	2 (dual, triple, quad and penta options available)	4 dual filters	4 dual filters (Zaturn analog only!)	2 (dual, triple, quad and penta options available)
G-Ray (Gotharman Ray) feedback on analog filters	Yes!	Yes!	Yes!	Yes!
Swappable analog filters	Yes	No	Yes	Yes
Analog Filter FM	Yes	Yes	Yes	Yes
Digital Filter FM	No	No	Yes	Yes
Number of effects processors	10	10	8	8

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Sequencer				
Note tracks	16	16	8	8
Control event tracks	32	64	16	16
Polyphony (when controlling external gear)	128	128	128	128
Morphing System				
Morph between 2 layers of synth and sequencer parameters	Yes	Yes	Yes	Yes
Number of Morph knobs	2 (Synth and Sequencer)	6 (Synth, sequencer, 4 analog groups morph knobs)	10 (Synth, sequencer, 8 analog groups synth + sequencer morph knobs)	2 (Synth and Sequencer)
User interface				
Display	3.5” multi-touch	3.2” single touch or 2.4” w/o touch	4.3” multi touch	4.3” single touch
Parameter edit	8 knobs	4 knobs	8 knobs	8 knobs
Trigger/navigation buttons	16	16	16	8
Connections				
USB	Yes	Yes	Yes	Yes
Audio inputs	2	0	2	4
Audio outputs	4	Up to 6	4	4
CV inputs	4 via AnaX USB	4 via AnaX USB	4 via AnaX USB	4
CV outputs	4 via AnaX USB	4 via AnaX USB	4 via AnaX USB	4
Trigger inputs	4 via AnaX USB	4 via AnaX USB	4 via AnaX USB	4
Trigger outputs	4 via AnaX USB	4 via AnaX USB	4 via AnaX USB	4
MIDI inputs	1	1	1	1
MIDI outputs	1	1	1	1
Size (cm)	25x20x5	25x17.5x4.5	25x20x5	26.5x22.5x4.5
Weight (KG)	1.5	1.7	1.5	2.4