

This release is called the Longsword release, named after one of the presets included.

The delta to the last release is 26 presets, starting with preset 93, a pipe organ emulation.

Due to the amount of patches I presume I will need to rearrange my preset banks during one of the next releases. I'll probably merge the Z1 and Virus banks into one and move the Kronos and M1 emulating presets there.

Once again I learned a lot about synth programming, thanks to the Solaris' capabilities and ease of use. All credits to its creators :).



N°	Preset	Remark
0	Softy	Nothing special. I just was curious how a sawtooth sounds after passing a lag processor. And the Solaris can do :) . It's similar to the »Edge« parameter of the Korg Z1, which reduces the higher harmonics. Meanwhile I learned that » The lag processors are, in fact, 1 pole lowpass filters. «
1	Diet Brass	This sound was created „by accident“ while playing with the Solaris' ring modulator.
2	Diet Bagpipe	Just an effects patch which uses the loop envelope generator to alter the pitch of the oscillator. I did this ages ago on a Waldorf Microwave, so thanks John for the replication. The modulation wheel speeds it up, but since it does not do this in realtime it requires to retrigger the notes.
3	Papa & Mama Lied	A lead sound modeled after a sound called »Pan ce« I used excessively on the Virus. This sound is close, but not yet close enough to the original. And it's missing the overdrive effect before the delay. Note that instead of an LFO, Osc4 applies the vibrato, based on a wave from the wavetables. Thanks John for the incredible frequency range of the oscillators :) .
4	Sine Solo MW	A patch I created on the Virus some time ago. It's not exactly a sine wave. Instead, the sine wave modulates its very own frequency to add harmonics. Move the modulation wheel while playing to accentuate particular notes by some »feedback« effect. Button one shifts the frequency of the „feedback“ oscillator by a fifth. Button two applies portamento. Ribbon applies (and holds) Vibrato.
5	TriSquare Solo MW	Basically the same as Sine Solo MW. The same modulation hints apply.
6	Diet Lead	The sound uses ring modulation. The joystick can be used to fade the 2 nd oscillator in and out. The buttons shift its frequency by an octave and a fifth, respectively.

7	Brassica Lead	Nomen est omen. Use the buttons for octavation and portamento. The modulation wheel opens the filter, and the ribbon controller applies (and holds) vibrato.
8	Jewel Clarinets	This sound does <i>not</i> use any oscillator. You are listening to one of the Solaris' filters alone. Sweet and mellow. Incredible.
9	Jewel Clarinet	I was after this sound for decades. The Solaris brought it to us. What a joy! In case you find it boring, listen to the tune »Jewel inside a dream« as performed by Al Di Meola and Jan Hammer in 1981's album »Electric Rendezvous«. After that, get used to the expression pedal, the assignable button two (portamento), the modulation wheel and so on. Unfortunately, the pitch wheel is not available for modulating the filter's frequency, so no pitch bender is available.
10	Juwel Ring	The same source as Jewel Clarinet, but using ring modulation. Less sweet and mellow :) .
11	Wamba Lead	A simple pulse wave lead sound. Listen to the solo at the end of »Wamba« by Salif Keita as published on the album »Soro«.
12	Spittin' Oldtimer	A simple lead sound. Thanks for the Mini emulations, John :) .
13	Solaris' Heaven	Some first attempt to put the Solaris' FM capabilities to good use led to this sound.
14	Hohner's	A percussive sound – surprise, surprise :) . The modulation wheel applies tremolo. Button one adds filter wah in addition to the tremolo.
15	Verbogenes Blech	Translates like »Bend iron sheet«. This sound also uses FM. Additionally, LFO3 modulates the oscillators, while the LFO's level and frequency are both modulated by an envelope. Yes, sometimes I miss modulation routings on the Solaris, but most of the time I'm quite impressed what capabilities already exist. Thanks John.
16	Bird Lead 2	Button one shifts the 2 nd oscillator by a 5 th (audible only in case the modulation wheel is open). Button two adds portamento.
17	Bird Lead 3	Button one applies octavation to the 3 rd oscillator. Button two adds portamento. Use the modulation wheel in conjunction with an expression pedal to accentuate individual notes to gain some fun.
18	Joe's Slivovitz	This sound is dedicated to Joe Zawinul. The solo in the 2 nd part of »Bimoya« as published on the album »My people« is one of my all time favorites. Did I mention already I miss an overdrive on the Solaris :) ? Use the expression pedal and the modulation wheel to get started. Note this is not a sync sound. Instead, the modulation uses a band pass filter. One of the best sounds I squeezed out of the machine so far.
19	Minimalist Parts	The Part buttons enable different basic waveforms. The modulation wheel opens the filter. The ribbon applies (and holds) vibrato. Button two applies portamento.
20	Minimal Rotation	Similar to Minimal Parts. But this time the basic waveforms are routed through a rotor.

21	Duel Pad RTF	Modeled after a string sound as used by Chick Corea in »Duel Of The Jester And Tyrant« as published by Return to forever's album »Romantic Warrior«. It's one of my all time favorite compositions. The buttons shift one oscillator by an octave respectively a 5 th . The modulation wheel opens the filter.
22	Ladder Lead	Ribbon opens (and holds) the filter.
23	Manticore's Tale	I use this sound to tell mystic medieval tales :) . Velocity and modulation wheel both add some ring modulation, best heard around middle »c«. The modulation wheel additionally applies some light vibrato. Button one shifts an oscillator by an octave and a fifth, button two applies portamento.
24	Manticore's Pad	A pad sound derived from the former sound. Note that it is velocity sensitive concerning the filter envelope and its attack time. Button one shifts an oscillator by an octave and a fifth.
25	Manticore's Horns	One further derivative.
26	Manticore's Victim	Derived „by accident“ from the former sound. I like its vocal qualities. The sound is velocity sensitive. In conjunction with the modulation wheel, particular notes can be emphasized. Similar to »Manticore's Tale« it can be used to tell stories :) .
27	The Psalter	Accidental result of experimenting with the comb filter.
28	Unda Maris Pad	
29	Cold November Pad	
30	Hautbois	The Ribbon controller is stepped to one semitone, regardless where you touch it. This is achieved by abusing the envelope follower as a quantizer.
31	Liebliches Blech	A brass like pad sound. Button one adds an octave. The ribbon is stepped to one semitone.
32	Seventy Horsewhips	
33	Eighty Horsewhips	Button one adds a fifth.
34	Sweet Saw	A sound similar to one I once found on a KingKorg (sound 273). Button one adds a fifth, button two enables portamento.
35	Lovely Seventies	Similar to the one above. Button one adds a sub octave, button two enables portamento.
36	Sakrament	A sound similar to one I once programmed using the organ model of the Korg Z1, in an attempt to recreate a sound excessively used by Joe Zawinul. Meanwhile I know it's a stock Wavestation sound (Bank 8 Preset 2 on a SR) named Vocal Highlands. Three sinewave oscillators are used to add harmonics. Buttons one (fifth) and two (third) shift the pitch of those to slightly alter the sound.

37	Calm Seashore	<p>The ribbon controller adds (and holds) some light vibrato, the modulation wheel opens the filter. Button one adds the fourth oscillator at an octave, button two makes it a fifth.</p> <p>Parts 3 and 4 add some modulated noise. Simply disable those parts in case you don't like it.</p> <p>The first filter uses the stock lowpass filter of the Solaris. As a standalone sound, I like it most. For mixes, however, changing it to the SSM lowpass might filter some unwanted frequencies. Try the Mini and even Obie filters also, lowering the cutoff frequency a bit.</p>
38	Z2 Analog Lead 1	<p>This sound came to life by accident, during an attempt to recreate a sound of the Korg Z1.</p> <p>The sync like character is caused by filter two, using the comb filter with erratic settings. Switch off part 2 to disable it. Alternatively performance knob two allows to adjust its gain.</p> <p>Button one brings oscillator 3 into play, as well using erratic settings. Alternatively performance knob one adjusts its volume.</p>
39	Squirivin' Solaris	<p>A square wave passed through an overdrive is a stock sound of mine. Since the Solaris lacks an overdrive effects block, this sounds gains it from extreme filter and amplifier settings.</p> <ul style="list-style-type: none"> • Single notes played staccato do not distort. • Single notes played legato provide distortion during the notes overlapping, which is the desired effect. • Playing chords will distort heavily. <p>BTW: a patch volume parameter past the final amplifier would be great.</p>
40	Synclette	Rather aggressive. I assume this preset was created after an intense working day :) .
41	Early Poly	Button one shifts an oscillator to a fifth.
42	Barbaric Hun's	Similar to a sound from my Korg Z1 legacy collection. Modulation wheel and performance knob one fade in a ninth via the third oscillator. Button one makes it a fifth.
43	Helianthus Synth	Some simple square waves borrowed from the VS wave set. Button one shifts the 2 nd oscillator by a fifth. Button two applies portamento.
44	Motor Lead	
45	Vox Cantans	Based on noise. See »Breaking Glasses« for more information.
46	Spinnin' Wheel	May the rotors be with you! A quite subtle sound, altering its partials using a rotor to cross-fade through the oscillators.
47	Breaking Glasses	The Korg Z1 provides a resonance oscillator. It consists of a couple of bandpass filters with resonance, which can be used to filter bands around the partials from the input, e.g. noise. The Solaris can't cope completely, but due to its four filters it can do similar things even without this special oscillator.
48	Breathy Pad	Similar to »Breaking Glasses«.

49	Kolbenfresser	Translates to »Piston Jamming«. Some notes played staccato will sound normally, but notes held longer will eventually start to distort heavily. Button one interrupts the distortion, but only momentarily. Releasing it will likely ensure the sound will start stuttering again.
50	Slow Lizah	Buttons one and two add an octave and a fifth, respectively. The ribbon controller opens the filter. The modulation wheel applies a quite slow vibrato.
51	Electreed	A sound which can be played similar to a reed instrument. The ribbon controller is fixed to a semitone. Button two applies portamento. Button one makes the sound more »clarinet« like.
52	John's Helicopter	This sound is dedicated to John :) . The »max value« modulation source is being fed into a rotor, alternatingly with positive and negative values. The cross-fade parameter is being used to make it triangle-like. The modulation wheel reduces the cross-fade, making it more square-wave like. The ribbon controller applies (and holds) vibrato. A nice example of the Solaris' capabilities. It's so pleasing to have a digital machine that does not distinguish between control and audio signals.
53	Z2 Anafuzz	I tried to program a sound of the Z1 named »Anafuzz«. I didn't get it exactly, since the Solaris lacks an overdrive. An aggressive sound resulted anyway. Note the modulation wheel which applies a ninth.
54	Narrative Pad	Similar to »Slow Lizah«, though created completely from scratch. The buttons do nothing in this patch. I tried adding a third, a fifth, and an octave. To no avail. The sound is lovely »as is«. The ribbon controller opens the filter. Pay attention to the performance controllers, which allow to control the cutoff, envelope amount, LFO amount, and resonance of the first filter. A delay control completes the reign.
55	False Accordion	Button one shifts one oscillator by an octave downward. Button two fattens the sound by adding a third oscillator.
56	Quadra Lead	Oscillator 4 is sync'ed to oscillator 1. In turn it modulates the pulse width of oscillator 1 and 2, controlled by LFO 4 as a S&H modulator piped through a lag processor. Parts 1 through 4 provide different filter settings, from stock Solaris over SSM and Mini to Obie. Button one makes one of the oscillators a fifth, button two applies portamento.
57	Quadra Pad	Similar to Quadra Lead, but pad like. This sound requires some more work.
58	Kr Synth Plinky	A sound similar to one I found on a Korg Kronos. Buttons one and two shift an oscillator by a fifth and a fourth, respectively.

59	Ausbeinmesser	<p>German for »Boning Knife«. An aggressive lead. Part 1 uses a low pass filter. Part 3 uses a modulated Allpass filter. Part 2 uses a low pass filter, which is fed by the Allpass filter.</p> <p>Button one shifts an oscillator by a fifth. Button two applies portamento. The ribbon controller allows to apply a trill. The joystick defines the direction and amount of trill. Rightmost is a semitone up. Leftmost is a semitone down. This brand new feature became the default of my template preset, so it will appear in most future patches.</p>
60	PS Lead Sound	<p>Korg published a paper called »Setting Charts« for the original Polysix. Those were ported to the Polysix EX engine by a Korg Kronos user. This sound was modeled after the Kronos' sound and comparing it to the original sheet.</p> <p>The Polysix' pulse width modulation sounds more harsh, but the Solaris is pretty close anyway. Plus, Parts 2 and 3 provide derivatives by feeding the oscillators through a ring modulator and a rotor, respectively. Combining them is recommended :) .</p> <p>The ribbon controller allows to apply a trill. The joystick defines the direction and amount of trill. Rightmost is a semitone up. Leftmost is a semitone down.</p>
61	Majawstix	<p>Simple sound using two Jaws oscillators at a distance of one octave. Button one shifts their pitch, so the distance becomes a fifth. Button two applies Portamento. The ribbon controller allows to trill. The joystick allows to control the direction and amount of trill.</p>
62	Horny Symphy	<p>Derivate of Majawstix, also using two Jaws oscillators at a distance of one octave. Button one shifts their pitch, so the distance becomes a fifth. Button two applies Portamento. The ribbon controller allows to trill. The joystick allows to control the direction and amount of trill.</p>
63	Saturninus	<p>Simple lead sound, using saturation. Eventually some notes will start to distort, especially in the upper register. Button one shifts an oscillator by a fifth. Button two applies portamento. The ribbon controller allows to apply a trill. The joystick defines the direction and amount of trill.</p>
64	Cancellation Pad	<p>This sound makes use of the Solaris negative Mixer values capability, modulated by some LFO. Additionally, an all pass filter comes into play, too, modulated by an LFO. Button one shifts an oscillator by an octave. The ribbon controller allows to apply a trill. The joystick defines the direction and amount of trill.</p>
65	Phasin' Resin	<p>A pad using a modulated all pass filter. Button one shifts an oscillator by an octave. Button two adds a fifth. The ribbon controller allows to apply a trill. The joystick defines the direction and amount of trill.</p>
66	Hautbois 2	<p>Yet another Hautbois with pretty slow attack. Button one shifts an oscillator by a fifth. Button two applies portamento. The ribbon controller allows to apply a trill. The joystick defines the direction and amount of trill.</p>

67	Defective Phone	<p>WARNING: Heavy volume ahead. Turn down the master volume knob prior to hitting the key bed.</p> <p>This effects sound was created by accident, as I tried to emulate a mooguesque distortion of two triangle waves. The ribbon controller and modulation wheel allow to do some weird stuff. Button two applies portamento.</p>
68	Counting Sheep	<p>A sound falling down „infinitely“. Of course it doesn't. It consists of two sine waves whose frequency is modulated by a sawtooth LFO and whose volume is modulated by a triangle LFO, shifted by 180°. The result is a simple Shepard tone. The simplicity allows the listener to easily distinguish the two sine waves being faded in and out.</p> <p>Moving the vector joystick to the right will morph the sine waves to saw waves. Button one alters the pitch modulation from one octave to two. The modulation wheel applies vibrato. The ribbon controller speeds up the LFOs, accelerating the effect.</p>
69	Poor Man's Wurly	Created by accident, while playing with the ring modulator to create some bell like sound.
70	Fuchsschwanz	Translates to »Crosscut Saw«. A simple saw lead sound. The ribbon controller allows to trill, controlled by the joystick. Button two applies portamento. Button one adds a sub octave via the ring modulator. Inspired by a sound called »Mono Synth« from the Korg Legacy collection M1 synth.
71	Gschrei	<p>German for Scream. An aggressive lead sound, inspired by a sound called »Muezim« I created on a Waldorf Microwave I (which I unfortunately sold) ages ago.</p> <p>The ribbon controller allows to trill, controlled by the joystick. Button two applies portamento. Button one adds a sub octave via the ring modulator.</p>
72	Das Szepter	Majestic pad sound. Button one adds a ninth. Button two applies portamento.
73	M1 Way out Lead	Modeled after the M1 sound sharing the same name.
74	M1 I saw no wind	<p>The original M1 patch named »I saw wind« contains a »Wind Bells« sample the Solaris can't offer. Since it sounds nice even without it, here it is named »I saw no wind« :).</p> <p>Button one adds a fifth. Button two applies portamento. The ribbon controller allows to trill. The joystick defines the direction and amount of trill.</p>
75	Unterwasserorgel	Translates as »Submarine Organ«. Performance knob one allows to control the filter FM amount.
76	M1 The Power of M	<p>Modeled after a patch of Korg's M1 software emulation. Button one adds a fifth. Button two applies portamento. The ribbon controller allows to trill. The joystick defines the direction and amount of trill.</p> <p>BTW: The modulatable CEM combi oscillators, like »Saw-Pls«, are really a neat and proven feature of the Solaris. Thanks, John :).</p>

77	Unseasoned Pad	Jaws oscillators, some filter FM, some decimator, and the pad is perfect without any additional effects. Button one adds a fifth. Button two applies portamento.
78	Cucaracha Pad	Uneasy, somewhat :) .
79	Power the 1st	
80	Power the 2nd	
81	Dulcet Lead	Named this way despite its clearly audible attack.
82	Umana Pad	Reminiscent of human voices.
83	Elder TriplePulse	Button one adds a 16'.
84	German Cooker	Uses the MicroSync Wavetable. The modulation wheel allows to scan the wavetable. Audible best in the lower register.
85	Warm Horn	Not as bright as usual „brass“ sounds.
86	Saw the poles	
87	Pulse Pickr	Button one adds a light fifth. Button two applies portamento.
88	Cold January Pad	Seems that naming pads after months is a habit of mine :) .
89	Circulos Tangitos	Hey, the Obie filter is quite capable, especially when it comes to distortion. Move the joystick to the right to make it even less harmonic.
90	Bungee Lead	Even more distorted Obie filter. This one was derived from »P6 Lead sound« and is inspired by »Banshee Lead« as found on a Korg Z1, which distorts even more aggressively. Button two applies portamento.
91	Kranke Terz	Translates to »Sick third«. Similar to »Bungee Lead«, but with static filter distortion pitch.
92	Some Bytes Lost	One further sick creation :) .
93	Positif de Dos	Emulation of a french baroque positif. Since pipe organs were the very first (additive) synthesizers, the Solaris ought to synthesize one :) . Parts one through four provide a Bourdon (or Rohrflöte) 8', a Prétant 4', a Nazard 2 2/3', and a Tierce 1 3/5'. Button one makes part three, the Nazard, a Doublette 2'. Button two makes part four, the Tierce, a Larigot 1 1/3'. Enabling all parts provides some »Cornet«, one of my all time favourite stops. Additionally enabling both buttons turns it to a »Plein Jeu«.
94	Gloeckleinton	Uses VS wave 87 »Sine 4 Octaves«. Buttons one and two allow to alter the harmonics.
95	Feierabend	Translates to »Closing time«. A quick pad created before going to bed :) . Oscillator two is pitched one octave higher than Oscillator one. Button one raises its volume.
96	Leichtes Kratzen	Translates to »Light scratching«. Playing some slow notes at low velocity will eventually cause some distorted notes, every now and then. Button two applies portamento.

97	Uneastix	Oscillator four controls the frequency of oscillators one and two, partly controlled by an sample and hold LFO piped through a lag processor, applying some uneasiness.
98	Nylalog	Some analogue nylon strings emulation.
99	SyncroMotion Lead	Basically a one oscillator lead sound, though a second oscillator (oscillator four) is used to sync the first one.
100	Citelosen Pad	Alemannic for daisy. It's one of the first flowers in spring, and this pad is dedicated to it.
101	Cestipie	A one oscillator only Cem eS+Ti+Pie lead sound. Button two applies portamento.
102	Blue Pulse Lead	Button one slightly raises the volume of oscillator two, which oscillates twice as fast as oscillator one. Button two applies portamento.
103	Solaris' Sky	Similar to »Solaris' Heaven«. Button one turns oscillator two from a fifth to a third. Button two applies portamento.
104	Gloecklich	Some bell like sound using filter FM. Button two applies portamento.
105	Gloeckliche	Even more filter FM.
106	Tristine	Some triangles which aren't „pristine“ at all. Instead some tricks are used to add some dirt to the sound :) .
107	Saw-Picker	Button one makes oscillator two a fifth. Button two applies portamento.
108	Mare Frisium	Some dark pad. The vector joystick allows to fade between the two oscillators, which are an octave apart.
109	Slipstick Lead	Named after the stick-slip-effect, due to the fast pitch modulation during attack time. Button two applies portamento.
110	Whiffing	The sound of a self oscillating filter plus some noise piped through two band pass filters at high resonance result in this sound. The modulation wheel applies some bubbling by modulating filter cutoffs by a sample and hold oscillator piped through a lag processor. The ribbon introduces (and holds) a decimator. Button one switches to vector synthesis, so the joystick can be used to fade through the filters. The pitch bender is dead (since it cannot modulate the filter's cutoff).
111	SyncAttack Lead	Not as „synced“ as you might expect...
112	Snacatto Lead	The envelopes are retriggered only at non-legato playing. Thus the sound is „snappy“ only when played staccato.
113	Simpluxx	
114	Richard's Polyp	Applying LFO1 at a fast rate to the oscillators results in the special character of this rich sound. The speed of LFO1 is additionally modulated by envelope 5, whose attack and release times add to the character. Played monophonic, the „dirt“ is clearly audible.

115	Longsword	<p>The very first time I use a vector modulated by an LFO to morph between two oscillators, which are an octave apart. Filter two eliminates some low frequencies.</p> <p>The modulation wheel increases the cutoff and resonance of the low pass filter, audible best at sustain time.</p>
116	Croaking	<p>The two oscillators use a sawtooth and a ramp waveform. The waves are retriggered at each keystroke. The phase of the ramp is set to 10%, resulting in a wave rather similar to a pulse waveform. What I wonder was why a phase of 0% results in complete cancellation. I expected something like an »M« shaped waveform. Too much physics involved :) .</p>
117	Mining Bee Lead	<p>A derivative of »Croaking«, though not an obvious one, but programming wise.</p>
118	Bow Camouflage	<p>One further derivative of »Croaking«, again not an obvious one, but programming wise.</p> <p>Part 2 is enabled per default and the original sound I created.</p> <p>Part 3 enables the third filter which comes before the second.</p> <p>Part 1 finally is a mixture of both, while the joystick allows to fade between the two.</p>

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Eagerly waiting for other user contributed patches,

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