

	Preset		Preset
0	JB Rotor Dreams	31	JB Ana Bass 2
1	JB P5 PolyFM	32	JB HP Bass
2	JB Obie Time	33	JB Whomp Bass
3	JB Obie Time 2	34	JB Sine Bass
4	JB Hard Sync Ribbon	35	JB Mutron Bass
5	JB Chordal 2 Stereo	36	JB Taurus Bass 1
6	JB WT21 sweep	37	JB TaurusBass 2
7	JB SinePad	38	JB Round Bass
8	JB Chordal Beams	39	JB LP3 Vel Bass
9	JB VS 094 Arpeg	40	JB LP1 Vel Bass
10	JB MiniFeedback Lead	41	JB AM Bass
11	JB RotorLead (w/AT)	42	JB GlockenSine (WAV)
12	JB VS Lead (joystk)	43	JB Morph Pad
13	JB MiniSquare Lead	44	JB Sol PW Stab
14	JB Sine Lead	45	JB WT Organ (Sw 1&2)
15	JB Trash Lead 1	46	JB Digital Harpie
16	JB Trash Lead 2	47	JB Marimby Arpeg
17	JB Fresh Chrome	48	JB Krelus Arpeg
18	JB Big Unison	49	JB 3-Layer Pad
19	JB Triangle Sync 1	50	JB LinFM study
20	JB Triangle Sync 2	51	JB Combitar
21	JB Vocal1 (joystk)	52	JB Prophet Sync
22	JB Vocal2 (joystk)	53	JB P5 Whistle
23	JB Vocal3 (Loop EG)	54	JB P5 Calliope
24	JB PWM Strings	55	JB P5 PWM Release
25	JB 4 Osc Strings Pad	56	JB WT 50 sweep
26	JB 4 Osc Str. Octaves	57	JB DigiCalliope
27	JB 1 Osc Strings Pad	58	JB Split Seq (@ G4)
28	JB Simple String Pad	59	JB VCA Mod Example
29	JB Rotor Strings Pad	60	JB VS LoopEG Template
30	JB Ana Bass 1	61	JB Sample Template

	Preset		Preset		Preset
0	MP Beauty Bells Pd	43	MP Arp Scales Ar	86	MP Equinox Ar
1	MP Living Matter Pd	44	MP B2.9 Or	87	MP Wet Bass Bs
2	MP Ob Swell PD	45	MP Moroder Ar	88	MP Atmospheric Pd
3	MP Ob Sweep PD	46	MP Delibell Pd	89	MP Meth ;-) Ld
4	MP Oh So Funky LD	47	MP Roto Strut MW Ar	90	MP Promenade MW Atm
5	MP Richness Pd	48	MP Opening Pd	91	MP Ring My Bell Atm
6	MP Expressive Ld	49	MP Suspended Atm	92	MP Ana Pulse Sy
7	MP Sweep & Hold Pd	50	MP Convolution Pd	93	MP Vibraphone Kb/Arp
8	MP PolyPassion Pd	51	MP Void Atm	94	MP Good Night Ar
9	MP Thematic Ld	52	MP Zing Atm	95	MP Alternances Ar
10	MP PykeArp AR	53	MP Dark Light Atm	96	MP Finale Pd
11	MP Mystique PD	54	MP Vannelli Kb	97	MP Acid Run Ar
12	MP Comeback MW Pd	55	MP Heavy Arp	98	MP Acidity Ar
13	MP Simple Arp Ar	56	MP Stargaze Amb	99	MP Triangulating Pd
14	MP Oblivium Pd	57	MP HP Sweep Pd	100	MP Circular 5th St
15	MP Oblivium Too Pd	58	MP HP Sweep 2 Pd	101	MP Circular Motion
16	MP Moog Square Ld	59	MP Doubles MW Ar	102	MP Sine City Pd
17	MP Moog Tri Ld	60	MP Stardust Atm	103	MP Glass Menagerie
18	MP Ramp Joystick Ld	61	MP DigiAna Bass Bs	104	MP Glass Tension Pd
19	MP Moog Saw 5th Ld	62	MP Stringy Bs	105	MP PWM Res Sy
20	MP Juicy Ld	63	MP B2.9 Or	106	MP Reso Square Ld
21	MP Shores Pd	64	MP Moog 5th Joy Ld	107	MP Classic Funk Ld
22	MP Solaris Alive Pd	65	MP Silky + Arp Ld/Ar	108	MP Soaring High Ld
23	MP Belly Pd	66	MP Trancer Ar	109	MP Flutish MW Ld
24	MP Snowy Pd	67	MP Trancer 2 Ar	110	MP Big Wide Bass Bs
25	MP Cool Strut Ar	68	MP Chunky Bs	111	MP Harmonium Kb
26	MP More Bells Atm	69	MP Saw Strings MW Pd	112	MP Vapours MW Atm
27	MP Funky Clavinet Kb	70	MP Vectors Pd	113	MP Dynapoly Kb
28	MP B.L.T. Pd	71	MP Tinkerbell Atm	114	MP St. Sweep Pd
29	MP Polyfunk Pl	72	MP Polysaw Kb	115	MP 2nd Star Atm
30	MP Wavefunk Ld	73	MP Cosmic Dance Atm	116	MP New Dimension Pd
31	MP Strings MW Res Pd	74	MP Slumdog Beat Ar	117	MP Blade Pd/Arp
32	MP "Al" Anabrass Br	75	MP Broken"@!" Atm	118	MP Alpha Centauri Pd
33	MP Retro Anabrass Pd	76	MP Tubular Bass Bs	119	MP msk80 Sy
34	MP Hybrid Strato Pl	77	MP Frazzled MW Atm	120	MP Mars & Jupiter At
35	MP Wah-Wah Gt	78	MP B3 Leslie Or	121	MP Chinette Arp
36	MP 80's Fusion Pd	79	MP Wurly Touch Kb	122	MP Tides Pd
37	MP Winter Warm MW Pd	80	MP Arabesque Ar	123	MP Tack Bass Bs
38	MP Cosmology Pd/Ar	81	MP Sex Appeal Ar	124	MP Sex Appeal Bass
39	MP Song x Dani Ld	82	MP Thinner Kb/Ld	125	MP Carabbean Pluck
40	MP AM Pluck Ar	83	MP Harp Pluck Pl	126	MP Gourd Pluck Ar
41	MP More Bells Atm	84	MP Reggae Chords Kb	127	MP Intermezzo Ar
42	MP Retrospect MW Ld	85	MP Ghibli Ar		

	Preset		Preset		Preset
0	CL Facehugger FX	31	CL Tubular SEQ	62	CL Dry & Low BASS
1	CL Candy Mountain ARP	32	CL That Swing SEQ	63	CL Moody BASS
2	CL Pacman in Love ARP	33	CL Nuthouse SEQ	64	CL Spaceboy Johnny BASS
3	CL Solaris SEQ	34	CL ChordState ARP	65	CL Looped Tube SEQ
4	CL INVAD3RS SEQ	35	CL Dead Cities PAD	66	CL Ocean BASS
5	CL Nervous LEAD	36	CL PlaySomeChords SEQ	67	CL Stance SEQ
6	CL Never again LEAD	37	CL Broken Tuba BASS	68	CL Bad Hair Day BASS
7	CL Computing SEQ	38	CL Commendante XL BASS	69	CL Nitro BASS
8	CL Bloated BASS	39	CL High on Rez SEQ	70	CL Skyline BASS
9	CL Floating in Jam PAD	40	CL Oh the drama! SEQ	71	CL Be Cool BASS
10	CL EFX Play the Cs	41	CL Ulrich Speaks SEQ	72	CL Powerracer BASS
11	CL 90s Minor Stab BASS	42	CL Angry Cat LEAD	73	CL Bouncer BASS
12	CL AttackStrings PAD	43	CL Revelation LEAD	74	CL Slow Uptake BASS
13	CL Stash ARP	44	CL 32nd Strum SEQ	75	CL DJ Subject SEQ
14	CL Shrooms BASS	45	CL Modulator BASS	76	CL Techno Empire BASS
15	CL Softbleep BASS	46	CL Drama Strings PAD	77	CL Theme LEAD
16	CL Autumn BASS	47	CL Windy BASS	78	CL Sunrider SEQ
17	CL MonoStarPad PAD	48	CL Identity BASS	79	CL Germanik BASS
18	CL TechnoFly BASS	49	CL MOD3RN BASS	80	CL BallBass BASS
19	CL TechnoFly HooverBASS	50	CL Rush SEQ	81	CL SqSaw BASS
20	CL Blockbuster SEQ	51	CL Retro BASS	82	CL Noisemaker BASS
21	CL Cloudspotting BASS	52	CL Short BASS	83	CL Monsieur BASS
22	CL The Grid! SEQ	53	CL NightBass BASS	84	CL Filter BASS
23	CL DreamWorld Lead	54	CL Yonder SEQ	85	CL NextUp SEQ
24	CL Robot DStruction BASS	55	CL Illusionist BASS	86	CL Insan3 SEQ
25	CL Star 7 SEQ	56	CL Dusk BASS	87	CL SaltC SEQ
26	CL The Call SEQ	57	CL CEM Meets VS BASS	88	CL BassLeeds LEAD
27	CL Hope 2.0 PAD	58	CL Dark Messiah BASS	89	CL Flakes BASS
28	CL Jock BASS	59	CL Rex Solaris BASS	90	CL Flow BASS
29	CL Eternal Sadness LEAD	60	CL Bladerunner SEQ		
30	CL New Wave SEQ	61	CL Alone at IKEA BASS		

	Preset		Preset
0	HS Clavicle	42	KA IN HEAVEN
1	HS Press Clav	43	KA NYLON GUITAR
2	HS Inceptional	44	KA CHORUS HARP
3	HS Dancing Crystals	45	KA POLY LEAD
4	HS Memory	46	KA SYNTEX LEAD
5	HS Distance	47	KA PING PONG PERC
6	HS Psirens	48	KA SYNTH FX
7	HS Memory 2	49	SH WIDESCREEN
8	HS Motorlead	50	SH INNERVERSE
9	HS Tritium	51	SH BRIGHTSTAR
10	HS Timestep	52	SH DARK WARMTH
11	HS Neuromancer	53	SH SOLARISAURUS
12	HS Plucky Strike	54	SH JOYVOX
13	HS Carpet Sweep	55	SH SAW2SQUARE
14	HS Carpet 2	56	SH GELLI
15	HS Quire	57	SH JOYMOD
16	HS Sunship	58	SH DOOMPAD
17	HS NRMY	59	SH SWARM
18	HS Heliz	60	SH DARK WARMTH
19	HS Timparary	61	PJK VectorMod
20	HS Brasstafari	62	PJK Rotor Demo 2
21	HS Brassica	63	PJK Rotor Demo 2B
22	KA FILTER PLUCK	64	PJK Rotor Demo 3
23	KA JUMP	65	PJK Vocal Filter2B
24	KA STEWKEY	66	PJK BAD WIND
25	KA NOO PPG	67	PJK Pulsed
26	KA OBIE PAD (joystk)	68	PJK Neuro Plasma
27	KA IN THE AIR...	69	PJK Ann Tass!d
28	KA CRYSTAL PAD	70	PJK ModBassRotor
29	KA DUAL PHATTY	71	JK Herbie's Chroma
30	KA DIGI MOTION SYNTH	72	JK Geddy's Leed
31	KA ARP LEAD	73	JK PacingInRhythm MW
32	KA Soloist (joystk)	74	JK Exit..Stage Left
33	KA PAD STRINGS	75	JK OB-Xa in 1984
34	KA DIGI PAD	76	JK Quint's Seq. E1
35	KA VECTOR SAW PD (joy)	77	JK Sweetest DreamsC1
36	KA MODERN LUCKY	78	JK Vital Signs...C3
37	KA TRUE JUPITERS	79	JK Father Merrin C#4
38	KA VS FILTER BELLS	80	JK Fooling Yrslf Ld
39	KA DARK METAL	81	JK Rod's RingtoneG#4
40	KA WAVEDREAM	82	JK Mini the 5th
41	KA ANALOGEON	83	JK OB-Xa Jump

	Preset		Preset
0	KE Baba O'Riley (F4)	26	KE Kettle Drums Shrt
1	KE Circus	27	KE Recorder Slow
2	KE Theater Organ	28	KE Recorder Fast
3	KE Pipe Organ Soft	29	KE Strings Legato
4	KE Pipe Organ Medium	30	KE Strings Fast
5	KE Pipe Organ Bright	31	KE Strings BassCello
6	KE Pipe Organ Full	32	KE Strings Marcato
7	KE B3 Organ Clean	33	KE Strings Detache
8	KE B3 Organ Dirty	34	KE Violin Ensemble
9	KE B3 Organ Rotor Up	35	KE Cello Ensemble
10	KE Mellotron Choir 1	36	KE Orchestral Brass
11	KE Mellotron Choir 2	37	KE Trumpet
12	KE U2	38	KE Trumpet (Mic)
13	KE Guitar Acoustic	39	KE Trombone
14	KE Guitar Strum	40	KE Trombone (Mic)
15	KE Guitar Lute	41	KE French Horn
16	KE Guitar Nylon	42	KE French Horn (Mic)
17	KE Guitar Classical	43	KE Piano Low Chords1
18	KE Guitar Steel	44	KE Piano Low Chords2
19	KE Guitar Full Body	45	KE Scratchy Pad
20	KE Guitar (ModWheel)	46	KE Jet Flange
21	KE Sitar	47	KE Jet Flange(ExtIn)
22	KE Bass	48	KE Waterphone
23	KE Bar Chimes 1	49	KE Surf/Seagulls(G5)
24	KE Bar Chimes 2	50	KE W. Carlos 1
25	KE Kettle Drums Long	51	KE W. Carlos 2

Please note that the use of a good reverb is highly recommended for these (until such times as we have a reverb Effect added to the Solaris!).

The audio demos Ken references in his notes are available on the Solaris Synth SoundCloud page: <http://soundcloud.com/solaris-synth>

Some of Ken's presets are designed to play with the keyboard Octave shifted 1 octave up, as he mentions.

Performance notes from Ken on following page.

Ken's personal notes and thoughts on the Presets:

These sounds require various amounts of reverb depending on the instrument just like all acoustic sounds do/have. No reverb makes for awful presets.

* **The PipeOrganFull** patch is a massive all-stops-out pipe organ and is the only patch I've done that uses VS and WT wavetables. I was looking for waveforms that sounded like they consisted of more than one tone effectively giving me more oscillators, and it's one of the few kinds of sounds that doesn't sound like a cheesy 1980's digital chipmunking rompler when using wavetables.

* **Theater Organ:** like all my organ presets, each rank of pipes has its own part number and so you can basically turn stops on or off. In most cases most should remain on else it no longer sounds like an organ. You can get two typical types of Theater Organ sounds (like in my audio demo) by turning the highest part on or off.

* **Pipe Organs:** Since each oscillator is like a rank of pipes, they can be tuned to all kinds of different intervals to create dozens of additional pipe organ sounds, such as tuning some to 5ths or 3rds, or set to different waveforms. The Pipe Organ Medium preset is the one where you'd want to create additional variations from for synth waveforms, or the Pipe Organ Full for wavetable waveforms. The lower the rank the longer the delay and attack times like bigger pipes do which gives them a distinctive attack sound, but also means if ranks are turns off, the lower ones should be the ones to go. Using Unison Chord mode with two notes an octave apart will get you a bigger organ sound, particularly good for the Pipe Organ Full (that one should be played with Octave switch center position). It's also possible for someone to tune the oscs such that when Unison chord mode is used, instead of pipe overlap, they're all at different footages.

* **Mellotron Choirs:** The second one uses hardsynced oscillators for a harder yet clearer sound. But if used and mixed in with other sounds properly, they'll be somewhat convincing. My Stravinsky demo uses them, and mostly the female range appears solo'd. They are also blended in with strings in part of my Ives demo.

* **U2:** Consists of nasal guitar-like sounds with a higher whistle like background sound (similar to the U2 song, With or Without You) that moves in and out of just touching off a little bit of distortion. The sounds can be used separately or together. Likewise, the echo can be turned off and the guitar-like sound can be used by itself, as I did when overlaying it with piano in my earlier Baba O'Riley demo. This preset however, is an example of where I would have liked to only send the guitar part through the EQ, as the whistle like pad sound can sometimes become quite piercing.

* **Guitars:** I have three quite different sets of acoustic guitar sounds. The Acoustic, Nylon, and Strum patches were used in my Stairway to Heaven demo. The Lute (and Spanish variant) guitars (and the later Full Body and Classical) use all 4 effects for added body resonance, so they have a full round close-up sound. Steel is going for a brighter steel string sound, one of them use the Mod wheel to go from a muted like sound to full sustained bright tones. Even though my guitars are supposed to be mixed in with other instruments to sound convincing, the Ideal one (and maybe the Full Body one) were influenced from me listening to some youtube videos, and they can sound fairly convincing up close.

* **Bass:** Didn't know whether to include this, but if somebody just wants a usable bass sound that acts like a bass guitar in a recording, with a full solid deep and punchy sound that sits below all the other instruments, then this one works well.

* **Bar Chimes:** set the Octave switch up one octave, the range of these is in roughly the top 2 octaves.

* **Kettle Drums:** set the Octave switch up one position so keyboard is correct, then the Kettle Drums range will be about the lowest octave of the keyboard, about D2 to D3.

* **Recorder:** set the Octave switch up one octave, the range is then about G4 to E6. The lower you go than G4, the less it becomes a recorder.

* **Strings:** the one labeled Fast is there mostly as tonal consistency with the Legato one, but the Marcato and Detache patches work better for solid and fast playing. Most of my string sounds work better in the mid to lower ranges than they do in the higher registers.

* **Violin/Cello Ensemble patches:** These were a couple from dozens of different trials to get some violin and cello type sounds out of the Solaris. Originally they were headed for the trash, yet they sounded good for fast bowed string playing, and/or overlaid on top of other string sounds, giving a more personalized violin/cello type smaller string sound to the other strings, good for Baroque stuff, so I kept them. My Renaissance1 demo used them for the two lower voices.

* **Orchestral Brass** is already a pretty full sounding stereo preset, but Unison makes it even bigger if desired. Set Octave switch to default center position because it can go lower than C2.

* **Trumpet, Trombone:** I modified my trumpet and trombone patches to use a Mic on the external input through the envelope follower to act as a kind of poor man's breath controller. These brass patches use the mod wheel to increase brightness. Also, aftertouch brings in vibrato (which can barely be heard without reverb).

* The **Piano Low Chords #2** patch is the one in the audio demo with slightly moving hardsync formants. The #1 patch is an earlier version with normal hardsync and closer to the JP-6 type sound. Their playing range is mostly below middle C so the Octave LED should be default center position.

* The **ScratchyPad** is a stereo patch that stuffs sweeping hardsync waves and supersaws through the ring modulators to grunge up the sound and shows that ring modulators can be used for more than metallic sounds.

* **Jet Flange:** Can't imitate Tomita without through-zero flanging (used at end of my earlier Bach organ demo). The External In version allows running the Solaris pre-effects to the outputs, through a reverb, and back in again so the reverb is also flanged (like Tomita does). A user can change the basic patch to suite the situation.

* **Waterphone:** set the Octave switch up one octave, the range of these is in roughly the top 2 octaves.

* The **SurfSeagulls** patch/demo is a split keyboard patch. I started out programming a stereo surf sound but ran out of resources to do the seagulls, so I used just one channel for a mono surf sound.

* **W. Carlos:** they are tri-timbral patches where a bass sound is cross-faded into two treble sounds that can be panned to wherever one wants, and the timbres can be changed to whatever one wants as the #2 variant shows.

Notes from Jimmy: Joystick, ribbon, at, and modwheel, plus preset controllers under main graphics display. Set EG shutdown to running, then legato must be set to reassign. If you hear no sound, plug in an expression pedal as many presets use this, as well as sustain for ribbon, etc. Some presets have joystick silent until mod wheel is full tilt. Performance notes from Jimmy on following page

	Preset		Preset		Preset
0	JAV PulseSaw HPF	43	JAV ZAWINUL MW	86	JAV Analog 22
1	JAV Moog SOG	44	JAV Fat Sync	87	JAV Analog 23
2	JAV MWh Pbn Pulse	45	JAV Waldorf 01	88	JAV Analog 24
3	JAV Staccato SOG	46	JAV Waldorf 02	89	JAV Analog 25
4	JAV Square Bass Dtn	47	JAV Waldorf 03	90	JA Slide Lead
5	JAV SEM Porta SOG	48	JAV Waldorf 04	91	JA ProgHou5e(JoyStk)
6	JAV MorphWave 5th Mw	49	JAV Waldorf 05	92	JA Chord Me ARP
7	JAV Sync'Release Rib	50	JAV Waldorf 06	93	JA Retro Pulse
8	JAV Joystick FdBk	51	JAV Waldorf 07	94	JA Wireless FM(JStk)
9	JAV Waldorf R-2L Rib	52	JAV Waldorf 08	95	JA Tonto Says Trip
10	JAV WAVETRIP LOOP EG	53	JAV Waldorf 09	96	JA Tech It
11	JAV Waldorf 01	54	JAV Waldorf 10	97	JA Electrolize
12	JAV Dual Rotors	55	JAV Hybrid 01	98	JA 90's E-Piano
13	JAV Clare de Lune	56	JAV Hybrid 02	99	JA Krafty Bass
14	JAV Jaws	57	JAV Hybrid 03	100	JA Neuro Hit (Vector)
15	JAV HP/AP/LP	58	JAV Hybrid 04	101	JA Funk Station (ModWh)
16	JAV Wheel Rez	59	JAV Hybrid 05	102	JA Soft Sines
17	JAV LP/HP MWh Noise	60	JAV Hybrid 06	103	JA Apoclypse Now
18	JAV Sountrax	61	JAV Hybrid 07	104	JA Happy Bells
19	JAV WAVE 4 Parts	62	JAV Hybrid 08	105	JA Funky BP
20	JAV Solina	63	JAV Hybrid 09	106	JA HeliPad (ModW)
21	JAV Sync & Sweep	64	JAV Hybrid 10	107	JA SeqRunner
22	JAV Ribbon Sweep	65	JAV Analog 01	108	JA FM Sprites
23	JAV MWh 2 Rtg LFOs	66	JAV Analog 02	109	INIT
24	JAV Comp~MWh Noise	67	JAV Analog 03	110	INIT
25	JAV ARP String	68	JAV Analog 04	111	INIT
26	JAV Hold~MWh	69	JAV Analog 05	112	INIT
27	JAV PPG 2.3 MWh~AT	70	JAV Analog 06	113	INIT
28	JAV PanSyncPad	71	JAV Analog 07	114	INIT
29	JAV MWh Rotor 1	72	JAV Analog 08	115	INIT
30	JAV Vox Bass	73	JAV Analog 09	116	INIT
31	JAV CEM Brass	74	JAV Analog 10	117	INIT
32	JAV Ramp Rez+MWh	75	JAV Analog 11	118	INIT
33	JAV PWM+MOD WH SYNC	76	JAV Analog 12	119	INIT
34	JAV Fly Like N Eagle	77	JAV Analog 13	120	INIT
35	JAV Slider Low	78	JAV Analog 14	121	INIT
36	JAV S&H Sus4 Jaws	79	JAV Analog 15	122	INIT
37	JAV Whale Wind	80	JAV Analog 16	123	INIT
38	JAV Ribbon FX	81	JAV Analog 17	124	INIT
39	JAV MWh Joy Rib	82	JAV Analog 18	125	INIT
40	JAV Dr. Who	83	JAV Analog 19	126	INIT
41	JAV FM Sync	84	JAV Analog 20	127	INIT
42	JAV Sweep Lead	85	JAV Analog 21		

Performance notes from Jimmy V:

	Preset Name	Cat	Comments
0	JAV PulseSaw HPF	Lead	4 parts. Click off part 1 and part 3 to check filter choices.
1	JAV Moog SOG	Lead	This is a good patch for physical finger glissandos w/ sep. Osc glide
2	JAV MWh Pbn Pulse	Lead	Nice Moog saw pulse lead, mod wheel emulates a b to e string bender
3	JAV Staccato SOG	Lead	Play as staccato for punchy bass and mids
4	JAV Square Bass Dtn	Lead	Lucky man square lead, play lowest notes and run finger up the ribbon.
5	JAV SEM Porta SOG	Lead	Famous Bowen separate oscillator glide. Hit lowest then highest
6	JAV MorphWave 5th Mw	Lead	Morphed lead with 5th activated via modwheel
7	JAV Sync'Release Rib	Lead	Hold note until sync height is reached then release fast. Ribbon sync too
8	JAV Joystick FdBk	Lead	Upper left position the joystick. Counter-clockwise with at vibrato
9	JAV Waldorf R-2L Rib	Lead	All Waldorf oscillators active. Start at top of ribbon, trill while descending
10	JAV WAVETRIP LOOP EG	Pad	While holding notes, run finger up ribbon to active saw osc. Melody line
11	JAV Waldorf 01	Pad	Waldorf EG pitch pad
12	JAV Dual Rotors	Pad	Hold notes, then use ribbon, wheel and joystick
13	JAV Clare de Lune	Pad	Isao Tomita's "clair de lune" sine waves
14	JAV Jaws	Pad	The deadly jaws oscillators. Mod wheel brings in octaves
15	JAV HP/AP/LP	Pad	Triple filters in parallel
16	JAV Wheel Rez	Pad	Hold pad, release right before the mod wheel hits maximum travel
17	JAV LP/HP MWh Noise	Pad	Dual filters with mod wheel noise
18	JAV Sountrax	Pad	D50 soundtrax patch
19	JAV WAVE 4 Parts	Pad	4 part preset with only part 3 activated
20	JAV Solina	Pad	Solina string machine
21	JAV Sync & Sweep	Pad	Sync / sweep combo
22	JAV Ribbon Sweep	Pad	Ribbon controlled sync sweep
23	JAV MWh 2 Rtg LFOs	Pad	Waldorf morphed into LFOs via mod wheel
24	JAV Comp~MWh Noise	Pad	Saw comps with controllable climactic noise sweep on mod wheel
25	JAV ARP String	Pad	Styx arp string ensemblecome sail away
26	JAV Hold~MWh	Pad	Hold pad. Repeater LFOs w/ long attack, morphed mod wheel
27	JAV PPG 2.3 MWh~AT	Pad	PPG 2.3 pad. Mod wheel adds octaves. At adds heavy vibrato
28	JAV PanSyncPad	Pad	Buzzy saw sweeps ribbon activates sync
29	JAV MWh Rotor 1	Pad	Hold pad and listen. Move joystick.try ribbon. Mod wheel activates rotors
30	JAV Vox Bass	Pad	Vocal bass ala headhunters
31	JAV CEM Brass	Pad	Multi wave synth brass
32	JAV Ramp Rez+MWh	Pad	Ramp chirps. Mod wheel activates saw osc. Joystick pan, ribbon detune
33	JAV PWM+MOD WH SYNC	Pad	Saw pad, sync via mod wheel. Joystick pan, ribbon detune.
34	JAV Fly Like N Eagle	Pad	LFO repeater ala "fly like an eagle". Minor 13th suggested one note at a time
35	JAV Slider Low	Pad	Drone and sustain a low note. Control resonance with ribbon sweeps.
36	JAV S&H Sus4 Jaws	SXF	Sus4 chord suggested. Sample & hold with jaws
37	JAV Whale Wind	SFX	Wind with long attack whale song
38	JAV Ribbon FX	SFX	Note with descending pitch. Ribbon ascends pitch. Joystick pans. Mw pit EG
39	JAV MWh Joy Rib	SFX	All notes and controller
40	JAV Dr.Who	SFX	All notes and controllers w/ mod wheel slow ladder ascending

	Preset		Preset
0	RW Baba O'Riley (F4)	26	RW RWttle Drums Shrt
1	RW Circus	27	KE Recorder Slow
2	RW Theater Organ	28	RW Recorder Fast
3	RW Pipe Organ Soft	29	RW Strings Legato
4	RW Pipe Organ Medium	30	RW Strings Fast
5	RW Pipe Organ Bright	31	RW Strings BassCello
6	RW Pipe Organ Full	32	RW Strings Marcato
7	RW B3 Organ Clean	33	RW Strings Detache
8	RW B3 Organ Dirty	34	RW Violin Ensemble
9	RW B3 Organ Rotor Up	35	RW Cello Ensemble
10	RW Mellotron Choir 1	36	RW Orchestral Brass
11	RW Mellotron Choir 2	37	RW Trumpet
12	RW U2	38	RW Trumpet (Mic)
13	RW Guitar Acoustic	39	RW Trombone
14	RW Guitar Strum	40	RW Trombone (Mic)
15	RW Guitar Lute	41	RW French Horn
16	RW Guitar Nylon	42	RW French Horn (Mic)
17	RW Guitar Classical	43	RW Piano Low Chords1
18	RW Guitar Steel	44	RW Piano Low Chords2
19	RW Guitar Full Body	45	RW Scratchy Pad
20	RW Guitar (ModWheel)	46	RW Jet Flange
21	RW Sitar	47	RW Jet Flange(ExtIn)
22	RW Bass	48	RW Waterphone
23	RW Bar Chimes 1	49	RW Surf/Seagulls(G5)
24	RW Bar Chimes 2	50	RW W. Carlos 1
25	RW Kettle Drums Long		

Performance notes from Robert

Note: many of these use the joystick to manipulate things, and were programmed with the joystick in its middle position. So, please try to keep it in that position when first listening to these programs, since the initial joystick position is currently not stored in the program.

0 Quantum A crazy wavetable example where the Solaris can show its potential. Enormous range on wavetables influenced by aftertouch and joystick, combined with extreme modulations by wheel and ribbon controller. Useful for crazy leads, but also for basic layering. But use the patch carefully; it is very expressive. And use the old trick of reducing the release time of envelope 6 to about 100 to 200ms, and use the arpeggiator. A new sound welcomes you.

1 Contact! An aggressive pad sound with a wide range of wavetables. It reacts extremely if you use aftertouch for your individual performance, but it's worth it to express the sound.

2 Vertigo Some formats modulated by sequences. The modulation wheel thins it out to a completely different sequence. Reduce the release on envelope 6 to get a short attack and more pulsating sequence.

3 Avalon A massive wavetable sound, again with long release. If you repeat a slowly played sequence of notes, you can hear the LFO influence the brightness and waveforms in a little bit of a "mystical" way. The modulation wheel accelerates different variations, and makes it more experimental (same as the ribbon controller does).

4 Dungeon Don't feel like you're in the dungeon when you perform this sound! With the modulation wheel, you can even try to catch a little feeling of Vangelis, when you trigger with single notes. Aftertouch and joystick brings you alternative formants of the vocal sound, and the ribbon controller turns it into something that sounds like torture in dungeon. Don't hurt yourself!

5 Metropolis This sound can be played like a plucked instrument. In the release time, you can hear lots of detail of the wavetables. Solaris at his best! So take care not playing too many notes at the same time, which maybe could kill these details. Try to check out the joystick to find out more interesting details of the wavetables of Metropolis.

6 Akropolis An expressive, slowly played lead sound. Aftertouch and modulation wheel opens up the possibility for individual expression of your solo performance. Put a beard on, look serious, and don't smile and play the sound with passion - then you get a clue which musician you might be – and maybe one day it will bring you an Oscar! Good for soundtracks and slowly played electronic lead sounds.

7 Time Bright sound with hard attack. Played also like a plucked instrument. The modulation wheel turns it from a simple sound to a “phased experimental” character. Turn down the release time of envelope 6 and switch on the Arpeggiator. Result: a nice new patch for sequences. Also, check out the ribbon controller; you get crazy arpeggios!

8 Cyllene The quint in the sound and the long release brings deepness and tension. The wavetables in this example are not aggressive like in the other patches. Play it like a slow lead sound. For a pad sound it's maybe a bit too bright, but you can reduce the cutoff of the different filters. If you turn down the release time of envelope 6, you can use it as a faster lead sound as well.

9 Kalyke A blending of wavetables and Prophet VS waveforms with an aggressive foundation. Aftertouch opens the filter by quite a bit, so use it carefully. Try the same trick as before - turn down the release of envelope 6 to your liking, and you will get a nice sequence sound, especially in the lower octaves.

10 Contagion A slow digital sequence in 100BPM, but sounds half speed because of the 1/8 Resolution. You can play as a layer with chords, but also as good bass sequence, especially when you activate the unison function. The joystick moves through the Shapes of the four oscillators.

11 Frame A harsh sequence brings back some old 80's feeling. Check out the different parts and play a little bit around like Vince Clark. When you increase the release time of envelope 6, you get a more atmospheric sound. Try about 6 seconds and listen.

12 Gravitation A digital arpeggio with a lot of details inside, and with a “romantic” touch. Joystick and modulation wheel offers you different variations of the color of the wavetables, like a painting. The aftertouch dampens it. Check also the other parts 3 and 4 to get new romantic arpeggios.

13 Eruption A great analog pad sound which shows the other side of Solaris. It allows for expressive play with the aftertouch. Try also how the joystick influences the filter characteristic and the sound's brightness. The patch asks for big chords – big cinema in mind. And it is useful for soundtracks or pads in the background.

14 Evolution A good example of vector synthesis working together with the Prophet VS and wavetables waveforms. The result is an experimental pad sound. Again we can create funny sequences if we turn down the attack and release time of envelope 6 and activate the arpeggiator. It's always the same procedure producing such kind of sounds, with shorter release or even decay.

15 Icecube Icecube is an experimental pad sound which can be also used as a lead sound with a short attack and long release. With a slower attack level for envelope 6 (about 1 second) you can create a softer pad with different wavetables in the sounds.

16 Exile Again, one of those plucked patches with longer release. In this case, it is created only by using the Prophet VS waveforms, and realized with a hard attack. The modulation “disharmonics” are a little bit of the clean sound, changing it to an experimental one. Also in this sound it's worth a try to reduce the release on envelope 6 and use different arpeggiator figures.

17 Labyrinth This is a little bit of a “mystical” sound. It can be played in piano style, but pay attention to the Delay FX rhythm and also the LFO 2 speed, which gives this sound a special rhythm character for performance – you can adjust these two parameters to your own speed skills. You can also “beam up” this sound by ribbon controller. Try and see where you land – but ask Scotty if it is allowed.

18 Farenheit The first impression could be that it sounds a little bit simple in the beginning, but with the controllers, using them changes the character. Check it out. Also good to use for short chord stacks with long release for rock or pop songs.

19 Sphere Sphere is played like a single plucked string sound with a long release. In these patches, you will find a lot of those kinds of sounds - imagine playing single harp or dulcimer notes where you hear the details of the release. This release needs time to develop, so keep some emptiness between triggering the keys. Aftertouch and modulation wheel influence the filter, while the joystick modulates the wavetables.

20 Sequenced A simple sequence sound modulated by itself. You can manipulate the sequence with the aftertouch, Mod wheel, and joystick. The ribbon controller totally detunes the sequence. Perform it with different chords on the keyboard.

21 Lunaris 20sec This vocal patch takes you through different formants. The mix of wavetables and Prophet VS waveforms can be modulated by aftertouch and joystick. You can play massive pads with a maximum 20 seconds decay. Then the sound escapes. If you increase the attack of envelope 6, you can create a smoother pad sound.

22 Arp on my side This arpeggiator patch comes alive through varying the release. It reminds one a bit of an analogue feeling. You can trigger different chords on the keyboard. Here also adjust the BPM to your style. Try the joystick, and just listen to how the sequence changes.

23 Magnitude It is not a "Laser Harp", but you can imitate the playing style with this 2 note 'unisono' sound (5 voices stacked on 2 notes each). It sounds a little bit like a 'sync' sound, even if there is no sync being used. Using the modulation wheel to damp down the filter brings extra expression. Let the release have enough space before triggering a new note. This raises the sound tension.

24 I'm not a Prophet Just a little tribute to the old Prophet VS choir, even if it is not a 100% copy and an individual Solaris sound. With aftertouch, wheel and joystick you can modulate the cutoff and waveform. If you add Part 2, you get an extra choir with more digital dirtiness and modulated LFO.

25 Volcano A vocal-type plucked sound. With the joystick you can make a funny ride through the Solaris wavetables. The aftertouch modulates some formants.

26 Underwater A deep pad sound with soft phasing effect. Aftertouch and the wheel modulate the pad in a soft way, while the ribbon controller adds some extra disharmonic modulations. Give the sound time and space to develop its atmosphere, especially in the bass. In the upper octaves, you can use it as soft and slow lead sound for solos.

27 Vektorised A pad sound built up by cold digital wavetables. Very expressive with different modulations. Be careful, the sound can unexpectedly change the waveform and also the style.

28 Nightshift A plucked sound played in the rhythm of the Delay FX. You can adjust the Delay speed or switch it off. There is a special charm when you play soft arpeggios in the beat of delay, but also, make some arpeggio breaks to give the release some space. In the original sound, the higher octave loses the body of the sound. If you want to add some cutoff to the upper octave, you can also activate Part 4.

29 Mystique A pad created by wavetables. The modulation wheel dampens the cutoff and the brightness of the sound. The joystick offers different wavetables and new aspects of the sound. Even though it's a pad, this sound should be played by max. 3 or 4 notes at the same time, because it develops into a complex sound structure with more notes.

30 One Parsec away Only one parsec away is this unison lead sound, which can be used also for bass lines. The modulation wheel closes the filter. It is good to add your individual playing 'attitude'. The joystick is useful to get the different wavetables, and the ribbon controller adds 'disharmony' to the sound.

31 Neo A cold digital disharmonic sound from outer space. The modulation influences the different harmonics of the sound, waveform and brightness. Give the release enough space. Our old trick again - turn the release of envelope 6 down between 200 and 500 milliseconds, activate the arpeggiator, and you get a cool, cold digital sequence.

32 Sirius A digital 'disharmonic' organ sound made by the Prophet VS waveforms. Aftertouch and joystick modulate the vector synthesis. Ribbon controller 'disharmonizes' the sound. When you turn down the release time of envelope 6 to about 600 ms, you can imitate a harpsichord playing style, even though it's not a harpsichord sound at all.

33 Monument Big 'disharmonic' pad sound with some filter sweeps. Aftertouch makes it more disharmonic, and the joystick modulates different LFOs and filters.

34 Vovager Long releases through digital waveforms of the Solaris. Layering and aftertouch or joystick also manipulates the digital waveforms. When you close the modulation wheel, it turns it into a kind of funny lead synthesizer played in Vangelis style.

35 Babylon A great digital plucked sound made by the wavetables. The modulation wheel turns it to a typical and classical PPG Sound. The joystick moves in the Wavetables.

36 VSvsVS A great example shows what the Prophet VS waveforms are good for, and shows the character of the old classical synthesizer. Again a sound where the release has a lot expression, so played like a piano with breaks brings nice atmosphere.

37 Hyperborea The waveforms are modulated by the sequences and create a rhythm pattern sound with delays. You have to adjust the BPM to the beat of your song. Aftertouch, modulation wheel, joystick and ribbon controller offer you different variations of the rhythmic sound.

38 Crazy Ribbon For this sound, you need to pay attention to the Delay rhythm while playing. If this bothers you, you can change the delay time or switch it off. A massive wavetable sound which gets crazy with the ribbon controller. You can also try alternatively Parts 2 and 4 instead of 1 and 3. Then you get a smoother sound with a little bell character. Using the joystick offers you different wavetables. Too much velocity can produce a kind "overdrive" in the attack – so you can play it sensitively but also expressively.

39 Aeronautic This digital sequence is extremely influenced by the Delay. If you switch off the delay, you got the pure rhythm. Different modulations 'disharmonize' the sound more.

40 New Dimenson This patch is a good example of wave sequencing through the wavetables. You have to adjust the BPM to your style. Raising the BPM makes the sequence a little bit more hectic. Aftertouch and joystick gives more view inside the wavetables, while the ribbon controller slides part of the pitch. There are a lot of delays in the patch, so if you switch the Delay off, you can hear the rough sequence moving through the wavetables.

41 Android A techno-sounding sequence modulated by filters and wavetables. Again, check out the BPM of your music and adjust - you can trigger the sequence with complex chords. Use aftertouch and you hear how the sound loses cutoff brightness. The joystick offers parts of the different sequences in the wavetables.

42 Chaos Sound is in the name, and everything is chaos. Try out the different sequences. For a normal song, this may not be very useful, but it is interesting to see how the different sequence structures manipulate the pitch. Maybe a little bit Tronlike, if you want to use in a chaotic soundtrack. The modulation wheels thins the sequence out to a single chaotic sequence.

43 Cold Space A digital 'cold' pad sound with a lot of modulations inside. The lower area has some harsh PPG character, while the upper is not that aggressive. The joystick moves through the wavetables. Try to enable and able the different Parts and explore new sides of the sound.

44 Cold Space 2 A variation of "Cold Space" with different Wavetables. It should gives you just an idea to experimental with the different Wavetables on your own. So change them on your own and try to see what happens then.

45 Endorphin This patch is good example for a metamorphose of "analog" and digital in one sequence. Even when just wavetables are used, the short decay and filter setup of Part one produce a little bit of an 'analog' feeling. Check out the different parts to listen how this complex sequence is structured.

46 Cern Sounds like a digital clockwork from Switzerland. Digitally cold and precise. With the joystick you can modulate the wavetables. Check out different delay patterns to create your own Cern. You can 'disharmonic' the sequence by aftertouch or ribbon controller.

47 Chronos A great sequence which only Solaris is able to produce in this way. If you turn the release of envelope 6 down to about 100 ms, the character of the sequence changes immediately. Check out the different controllers like joystick or ribbon controller to get a new impression of the sequence.

48 Pandora A pad sound with little organ character. The modulation changes smoothly, but also extremely to a digital atmospheric sound. Sometimes 'disharmonic' notes disturb the clean ambient. Modulations add some dirtiness to the sound.

49 Who is Manfred A "faster" lead sound with a quint. In this case, mostly the filters are manipulated when you use the controllers. Then you get an expressive individual performance. The ribbon controller adds more modulations. If you want no quint in the sound, turn the OSC2 and OSC4 coarse to 0 – the result will be a cleaner sound. You also can try the sound without the Delay FX which makes it more concise. So do you know who is Manfred?

50 Ribbon me Horror Take the sound's name at its word - just check out the ribbon controller. It's a slowly played sound based on wavetables, including a lot of modulations. Deep and spacy. With the ribbon controller the sound turns nasty. Alternatively, you can try Parts 3 and 4 instead of 1 and 2. Then you get a brighter version of it, not so 'mystical' and a little bit more aggressive.

Black Octopus Sound presets Event Horizon – 128 high quality presets for John Bowen Solaris created by Toby Emerson. This soundset offers everything from huge epic pads, long evolving textures, vintage analog style sounds, deep thundering basses, and many other classic leads and keyboard style sounds. The Solaris is an exquisite machine capable of producing some amazing sounds from vintage analog to modern and digital sounds.

All patches are mapped with the joystick controlling the filters. They are best auditioned by leaving the joystick in the middle position and then adjusting it to taste.

	Preset		Preset		Preset
0	TE Classic Analog	43	TE Evolver	86	TE Clean Square
1	TE Huge Analog	44	TE Deep Chords	87	TE Clean Square 2
2	TE Space Bells	45	TE Gone Too Long	88	TE Deep Bass
3	TE Chill Pill	46	TE FM Attack	89	TE Obie Stab
4	TE Deep Sub	47	TE FM Attack 2	90	TE Reap Bass
5	TE Clean Pluck	48	TE Simple Analog	91	TE Neuro
6	TE Space Choir	49	TE Thick Lead	92	TE Clean Pluck
7	TE Smooth Rotor	50	TE Feedback Dirt	93	TE Clean Pluck 2
8	TE Neptune	51	TE Old School Funk	94	TE Warm Fat String
9	TE Ambidrone	52	TE Hissy Analog	95	TE Midnight
10	TE Kitana	53	TE BP Mover	96	TE Grizzly Bass
11	TE Phantom	54	TE Hard FM	97	TE Gamer
12	TE Deep Rave	55	TE Hard FM2	98	TE Grunge Stab
13	TE Goop Bass	56	TE Phatty Bass	99	TE Chord Stabs
14	TE Super Mellow	57	TE Broken Robotics	100	TE Deep 5th
15	TE Futureseq	58	TE Poppers	101	TE Thick Ld
16	TE Funky Seq	59	TE Pandora	102	TE Digilead
17	TE Thick Sq Ld	60	TE Deep House Chords	103	TE Rotobass
18	TE Nrg Ld	61	TE Chill Lead	104	TE Strange
19	TE Crisp Strings	62	TE Chill Lead 2	105	TE Xplode
20	TE Blade Strings	63	TE Black Bass	106	TE Vintage Chords
21	TE Anthem	64	TE Gin	107	TE Evil Sub
22	TE Movement	65	TE Dub Bass	108	TE Trance Pluck
23	TE Tech Square	66	TE FX Drone Ribbon	109	TE Vintage 2
24	TE Rotosanity	67	TE Mean Bass	110	TE Sine Drops
25	TE Rotosanity 2	68	TE Analog Lead	111	TE Arcade
26	TE Rotosanity 3	69	TE Crystals	112	TE Belly
27	TE Rotosanity 4	70	TE Square	113	TE Belly 2
28	TE Rotosanity 5	71	TE Majare	114	TE Belly 3
29	TE Tech Saw	72	TE Big Chords	115	TE Water Drone
30	TE Prog Saws	73	TE Cream	116	TE Dark Matter
31	TE Fuzz Trance	74	TE Reece	117	TE Nice Pluck
32	TE Voodoo	75	TE Grit Sine	118	TE Crunchy
33	TE Prophecy	76	TE Fuzz Saw	119	TE Agro
34	TE Ivory	77	TE Big Pad	120	TE Prog Seq
35	TE Toy EP	78	TE BP Vel	121	TE Crunch Stab
36	TE Hamonics	79	TE Swello	122	TE Softy EP
37	TE Jack Bass	80	TE Crispy	123	TE Softy EP 2
38	TE Bitcrisp	81	TE 5th Slider	124	TE Spooky Rotor
39	TE Booty Square	82	TE Fat Strings	125	TE Spacey Rotor
40	TE Acidy Square	83	TE Warm Strings	126	TE Space Dream
41	TE Wide Electro	84	TE Cream Trance	127	TE Bright Bell
42	TE Nonstop	85	TE Moog Stab		

