

	<b>Preset</b>		<b>Preset</b>
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		

	<b>Preset</b>		<b>Preset</b>		<b>Preset</b>
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 WIDESCREEEN
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

	<b>Preset</b>		<b>Preset</b>
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 on 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.

	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 ensemble ....come 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 a la "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