

# Phonemklatura for PPG Phonem

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## Installation

[Here](#) is an instructional video on how to install *Phonemklatura*.

Drag the file **Phonemklatura.phbnk** which you extracted from the zip-file into the main Phonem folder. Then click on the little rectangular at the upper right of the Phonem UI and choose “Import Bundle“, then click on “Phonemklatura“ which appears. Now the main bank and all resources will be imported into your Phonem library and on the left side of the browser in “ACTIVE SOUND BANK“ Phonemklatura will automatically be selected, so you’re ready to go.



## License agreement and terms of usage

This license agreement is between you (the licensee) and me (Simon Stockhausen).

1.) The licensee must not distribute the patches and resources from **Phonemklatura**, resample them, copy or otherwise replicate the patches and resources from this sound library in any commercial, free or otherwise product. That includes sample- and audio libraries and patches for other samplers and sample- or wavetable-based synthesizers. You can of course create such derivatives for your own musical work as long as these derivatives are only distributed in the context of musical work or sound design.

2.) The license to the sound library **Phonemklatura** may not be given away or sold, it is not for resale (NFR).

## Description and content

*Phonemklatura* contains 108 patches (including some variations) for the unique vocal synthesizer Phonem by Wolfgang Palm/PPG.

These sounds are not aiming at any kind of vocal pseudo-realism, on the contrary, I am using the versatile and expressive vocal character of this synthesizer to create beautiful and delicate pads, ethereal overtone textures, fragile and edgy leads, haunting and alien voices, phonetic experiments, tempo-synced vocaloid mayhem, percussive mallet-like timbres, robotic voices, fantasy beings and other synthetic sounds only faintly reminding of their vocal origin.

Often Phonem's wavetable synthesizer is used to excite the vocal resonators using wavetables extracted from acoustic instruments like brass, woodwinds, string instruments, mallets and electronic textures with PPG's Wavemapper, expanding the possible palette of sounds even more.

All sounds make extensive use of Phonem's x/y-pads which can be automated in any DAW and the modulation wheel, quite a few patches also use aftertouch.

As Phonem's onboard effects are very basic and are rarely used in any of these patches, I included some of the original LogicX demo projects containing Midi data and 3rd party effect plugins, and a Cubase 8-project with some effect chains using the native Cubase plugins, so you could use these settings as a starting point.

## Specs:

- 108 patches including some variations.
- 159 resource files - utterances and wavetables in the native utd/wtz-format.
- 15.9 MB installed

All audio demos for this library are [here](#).

All videos for this library including some tutorials for Phonem are contained in [this youtube playlist](#)

## Controls and more

Some parameters in Phonem like pitch bend range and polyphony can only be set globally, so these parameters are not stored within a preset.

Phonem is a very dynamic instrument and due to the nature of a resonating synthesizer, occasional volume peaks can occur. Also the low register in Phonem is generally louder than the top register, so lower velocity levels in the lower range will help to balance things and to avoid overloads.

Tempo-synced LFOs do not re-trigger in Phonem as they are linked to the bar position provided by the host, so an LFO cycle which is 4 bars long will always loop at bars 5 - 9 - 13 and so forth.

Due to the nature of Phonem's vocal synthesis, notes in the lower register will not sync tight when tempo-synced LFOs are used.

## Patchlist

All patches have modulation wheel assigned, quite a few also use aftertouch, one or both X/Y-pads are used in each patch, I encourage you to make use of these controls to animate and shape the sounds and create evolving and interesting sound transitions.

Name	Category	Comments
Agogo Vox	Wave / Texture	Using a re-synthesized agogo wavetable (TCS) looping back and forth to excite the utterances, MW adds vibrato, AT decreases vibrato speed. Use X/Y-1 for timbre changes.  Featured in <a href="#">this video</a> and in <a href="#">this audio demo</a> . A Logic 10.2.1 project with 3rd party FX plugins and Midi is available.
Angel Vox	Pad / Texture	Glassy pad sound using a wt to excite the utterances, MW adds vibrato. X1 controls Aspiration, Y1 controls roughness.
Animal Lead	Lead	Track 1/2 control pitch/vibrato amount, use MW for timbre changes. Both x/y-pads introduce various timbre changes. AT adds roughness.  Used in <a href="#">this audio demo</a> . A Logic 10.2.1 project ( <i>Final Quintet</i> ) with 3rd party FX plugins and Midi is available.
Animal Pad	Pad	Same utterances as above but here using a re-synthesized/wavetabled piano-string-glissando and with no pitch-tracking. AT adds growl-pitch-modulation, MW introduces timbre modulation via LFO2, both x/y-pads control various timbre changes.  Used in <a href="#">this audio demo</a> . A Logic 10.2.1 project ( <i>Final Quintet</i> ) with 3rd party FX plugins and Midi is available.
Arab Singer	Vocal	Track1 modulates pitch, MW nasalizes the timbre, X1 controls the speed of the phrase (LFO1 speed), Y1 down decreases LP cutoff. X2 introduces random pan modulation, Y2 controls pan speed. LFO1 constantly modulates formant bending.
Beauty Pad	Pad	MW darkens the sound, Y1 increases LFO1 speed, use X1 for spectral timbre changes
Bell Of Love	Wave / Texture	A re-synthesized bronze bell accent excites the utterances, VEL shifts Phonem position, MW adds fast tempo-synced timbral modulation. X1 controls aspiration amount, Y1 down decreases cutoff. AT adds vibrato.

Name	Category	Comments
Bell Vox	Wave	A re-synthesized/wavetabled electronic bell sound exciting the utterance chain. X1 adds pan modulation, Y1 controls panning speed. MW darkens the sound, AT adds vibrato.
Cat Choir	Vocal	MW introduces formant modulation, AT increases modulation speed, X1 adds stereo pan modulation (LFO2), bidirectional Y1 bends the formants up/down. Track modulates Phonem pitch.
Cello Portato Vox	Wave / Strings	A re-synthesized/wavetabled cello portato accent exciting the utterance chain, wavetable position is modulated by VEL, higher velocity values create a more percussive attack. LFO modulates pan position, it's depth is controlled by Env M1, so pan modulation kicks in shortly after each attack. AT adds vibrato, Y1 decreases LP cutoff/shifts formants, X1 modulates resonator quality/excitation, MW modulates formant bending.
Cello Vox Male WT	Wave / Strings	A re-synthesized/wavetabled multi-bowed cello vibrato note (normal wavetable) exciting the sonorous male phonemes. MW alters timbre, X/Y1 control amount of pan modulation/panning speed, X2 controls excitation brightness, Y2 modulates formants and LP cutoff (down). AT adds vibrato, VEL shifts utterance- and wt-position.
Cello Vox Vibrato	Wave / Strings	A re-synthesized/wavetabled multi-bowed cello vibrato note (TCS sample) exciting the nasal female phonemes with overtone transitions, MW alters timbre, X/Y1 control amount of pan modulation/panning speed, X2 controls excitation brightness, Y2 modulates formants and LP cutoff (down). AT adds vibrato, VEL shifts utterance- and wt-position.  Featured in this <a href="#">audio demo</a> . A Logic 10.2.1 project with 3rd party FX plugins and Midi is available.
China Cymbal	Wave / Drone / Surreal	A re-synthesized Chinese Opera cymbal exciting the male utterances. Y1 decreases cutoff, which only leaves the s-noises with Y1 dialed towards the bottom. X1 adds random pitch modulation, use MW for timbre changes.
Chord Quencer	Wave / Sequencer	A re-synthesized/wavetabled tom tom loop excites the utterances, tempo-synced LFO4 scans through the wavetable, tempo-synced LFO1 scans through the utterances. X1 adds pan modulation, Y1 decreases LP cutoff. Y2 controls LFO4 speed (center for 1-bar scan), X2 adds growl-pitch-modulation. Use MW for timbre changes.
Drone Swirler 1	Bass / Drone	A single utterance frame with timbre modulation via LFOs, MW darkens the sound, X1 adds tempo-synced pan modulation, Y1 fine-spreads the formants.
Drone Swirler 2	Bass / Drone	WT with 2 waveforms modulated via LFO1 exciting a single utterance frame. X1 introduces pan/tempo-synced amplitude modulation, Y1 decrease LP cutoff, MW introduces timbre modulation via LFO4.
Female Harmonics Trans	Vocal	Overtone transitions, female voice. MW introduces mysterious timbre changes and enhances the overtone beauty. X1 adds pan modulation, Y1 controls modulation speed. X2 introduces vibrato, Y2 controls vibrato speed.  Featured in this <a href="#">audio demo</a> . A Logic 10.2.1 project with 3rd party FX plugins and Midi is available.
Funky Synth	Keys	A re-synthesized piano string-hit excited the utterances. MW decreases LP cutoff and shifts formants. Internal reverb and a bit of distortion is engaged.

Name	Category	Comments
Future Droner	Wave	A re-synthesized, noisy Photosounder texture excites the long utterance chain, Track 1 modulates pitch Track 2 some timbral parameters. MW adds fast, square-shaped amplitude modulation, decrease modulation speed with Y1. X1 bends the formants resulting in interesting timbre changes.
Glitch Quencer Pan	Sequencer	Tempo-synced LFO1 scans through the utterances, MW darkens the sound, Y1 introduces timbral changes, X1 adds vocal fry.
Glitch Quencer Triplets	Sequencer	Tempo-synced LFO1 scans through the utterances, LFOs 2-4 are triplet-synced and modulate volume, pan and formant bend. Y1 decreases LP cutoff, X1 introduces pitch-growl-modulation, use MW shifts formants.
Glitch Quencer Var	Sequencer	MW brightens timbre/shifts formants, Y1 adds roughness, use X1 for timbral changes (Resonator Quality).
Glitch Trills	Vocal	Track generates the wholetone trills, use X1 for amusing timbral changes (formant bending), Y1 controls LFO1 speed which modulates timbre and pan position. MW darkens the sound (LP cutoff). X2 adds pitch-growl-modulation, Y2 adds roughness.  Featured in this <a href="#">audio demo</a> . A Logic 10.2.1 project ( <i>Guttural Meditation Duet</i> ) with 3rd party FX plugins and Midi is available.
Groove Random Quencer	Sequencer	Tempo-synced random LFO1 modulates phonem position (not so tight with DAW Midi-clock running, but fun), MW introduces timbre modulation via LFO4, Y1 decreases LP cutoff, X1 adds pitch-growl-modulation.
Happy Life	Speech	Use MW for formant bending and introducing roughness/pitch-growl-modulation. X1 adds pan modulation, Y1 controls pan speed, X1 modulates timbre, Y2 decreases LP cutoff.  Featured in <a href="#">this video</a> .
Hollow Organ	Wave	ENV M1 modulates phonem position, ENV M2 controls wavetable frame position, MW modulates timbre, LFO2 controls vibrato (amount modulated by LFO3), X1 introduces pitch-growl-modulation, Y1 modulates formants.
Hollow Organ Var 1	Wave	ENV M1 modulates phonem position, ENV M2 controls wavetable frame position, MW modulates timbre, LFO2 controls vibrato (amount modulated by LFO3), X1 introduces pitch-growl-modulation, Y1 modulates formants.
Hollow Organ Var 2	Vocal	ENV M1 modulates phonem position, MW modulates timbre, LFO2 controls vibrato (amount modulated by LFO3), X1 introduces pitch-growl-modulation, Y1 modulates formants. X/Y2 modulate roughness/vocal fry.
Life Vox	Lead	Track1 modulates pitch, Track 2 controls vibrato amount, MW for timbral changes, X1 introduces pitch-growl-modulation, Y1 decreases LP cutoff.
Life Vox Mono	Lead	Track1 modulates pitch, Track 2 controls vibrato amount, MW for timbral changes, X1 introduces pitch-growl-modulation, Y1 decreases LP cutoff. X2 adds roughness, Y2 introduces pan modulation (via LFO3).
Ludicrous Theory	Vocal	Monophonic alien voice reminding of throat-singing, using a re-synthesized/wavetabled vocal drone to excite the utterances. MW introduces fast random modulation of formant bending, X/Y1 control roughness/vocal fry, X2 controls LP cutoff, Y2 shifts the formants.  Featured in this <a href="#">audio demo</a> .
MW Bass	Bass	Scan through the utterances with MW, VEL modulates formant bending, AT introduces growl-pitch-modulation.

Name	Category	Comments
MW Lead	Lead	Monophonic lead sound, scan through the utterances with MW, VEL modulates timbre, AT introduces growl-pitch-modulation and formant bending via LFO1.
Major Seven Arp	Vocal	Ascending/descending major seven arpeggio, Track1 modulates pitch. MW bends formants down, X1 controls aspiration amount, Y1 introduces vocal fry. X2 controls pan modulation (LFO2), Y2 introduces pitch-growl-modulation.
Meditation Choir	Pad / Choir	A series of similar utterances with varying overtones, use MW for timbral changes. X1/Y1 down introduce tempo-synced amplitude modulation, Y1 up alters timbre (resonator quality). X2 controls aspiration amount, Y2 modulates formants.
Meditation Choir WT	Pad / Choir	A series of similar utterances with varying overtones using a re-synthesized/wavetabled electronic texture to excite the utterances. Use MW for timbral changes. X1/Y1 down introduce tempo-synced amplitude modulation, Y1 up alters timbre (resonator quality). X2 controls pan modulation amount (LFO2), Y2 modulates formants.
Metallic Resonances 1	Atmo	A re-synthesized/wavetabled cymbal sample exciting the utterances, use MW for timbral changes. X/Y1 control pan modulation amount/speed, X2 introduces pitch-growl-modulation, Y2 modulates formants. AT adds vibrato.
Metallic Resonances 2	Atmo	A re-synthesized/wavetabled cymbal sample exciting the utterances. MW introduces tempo-synced amplitude modulation, use X/Y1 for timbral changes, X2 introduces pitch-growl-modulation, Y2 down decreases filter cutoff (which does not affect the fricatives),
Minor Staccato Sequence 01	Sequencer	Pitch sequence in minor6, Track1 modulates pitch, tempo-synced LFO1 scans through the utterances, MW alters timbre and introduces roughness, X1 introduces pan modulation, Y1 down decreases LP cutoff.
Minor Staccato Sequence 02	Sequencer	Pitch sequence in minor, Track1 modulates pitch, tempo-synced LFO1 scans through the utterances, MW alters timbre and introduces roughness, X1 introduces pan modulation, Y1 down decreases LP cutoff. X2 introduces formant modulation via LFO4 (tempo-synced), Y2 adds pitch-growl-modulation.
Minor Staccato Sequence 02 B	Sequencer	Same sequence as above in double time with some minor changes in the modulation matrix.
Monkey Vox	Sound FX / SciFi	Alien monkey on speed, Track1 modulates pitch, Track2 modulates various things in the matrix. MW adds fast random pitch modulation. X1 introduces random pan modulation, Y1 modulates formants. X1 introduces formant bending, Y2 down decreases LP cutoff.
Monster Drone	Drone / SciFi	MW adds fast random pitch modulation, X/Y1 control amount of pan modulation/panning speed, X2 adds roughness, Y2 shifts formants.
Moonshine	Speech	Romantic phonism - MW brightens the sound, AT adds fast unipolar square-shaped pitch modulation, X/Y1 control amount of pan modulation/panning speed.  Featured in <a href="#">this video</a> , I later re-edited the patch as this video was made at the very beginning of my Phonem journey and nearly got lost on the way.
Patagonia	Vocal	MW introduces timbral modulation via LFO1, X1 introduces pan modulation, Y1 controls pan speed, XY2 modulate formants/resonator quality.  Featured in <a href="#">this video</a> .

Name	Category	Comments
Percussive Vox Bass	Bass	MW darkens the sound, X1 introduces pan modulation, Y1 shifts formants. ENV M1 modulates various timbral things.
Percussive Vox Pluck	Synth / Pluck	MW bends the formants up, X1 introduces pan modulation, Y2 adds pitch-growl-modulation, X1 adds roughness, Y2 down decreases LP cutoff. ENV M1 modulates various timbral things.
Peters Pad	Pad / Wave	A re-synthesized vocal textures exciting a single FX utterance, X1 introduces pan modulation, Y1 controls pan speed, X2 introduces formant bending via LFO4, Y2 modulates resonator quality. MW adds adds pitch-growl-modulation.
Phonem Mill	Wave / Texture	LFO modulates utterance position, it's speed is modulated by LFO2, the re-synthesized wavetable has it's wt-position modulated by ENV M1, MW introduces slow timbral modulation via LFO4, X1 adds pitch-growl-modulation, Y1 down decreases LP cutoff.
Piano String Vox	Wave	A res-synthesized/wavetabled piano string accent (TCS-sample - screwdriver on strings) looping back and forth is exciting the utterance chain, ENV M1 modulates the amount of pan modulation via LFO1, MW darkens the timbre. X1 introduces tempo-synced amplitude modulation, Y1 modulates timbre (resonator quality). X2 pitch-growl-modulation, Y2 adds vocal fry. As this patch is very dynamic inserting a limiter/compressor on the Phonem track is recommended.  Used in <a href="#">this audio demo</a> . A Logic 10.2.1 project ( <i>Final Quintet</i> ) with 3rd party FX plugins and Midi is available.
Plastic Choir	Vocal	MW introduces unipolar tempo-synced, square-shaped pitch/formant modulation, X1 controls amount of pan modulation, Y1 controls panning speed. X2 controls amount of aspiration, X2 down reduces LP cutoff. AT introduces tempo-synced amplitude modulation.
Quaver Pulsator	Sequencer / Wave	Wave-tabled stick cello accent with a tempo-synced LFO1 modulating the wavetable position exciting a tempo-synced utterance chain. X1 adds tempo-synced pan modulation, Y1 modulates formants, MW darkens the sound.
Robot Drone	Wave	Slowly scanning wavetable exciting the utterance chain, besides the time envelope, there is also a tempo-synced LFO modulating utterance-position. MW darkens the sound and adds vibrato, X1 introduces pan modulation, Y1 adds pitch-growl-modulation.  Used in <a href="#">this audio demo</a>
Robot Mantra	Vocal	MW introduces random, tempo-synced modulation of various parameters, X1 adds pan modulation, Y1 modulates formants.
Robot Sleeps	Speech	MW adds tempo-synced amplitude modulation, X1 introduces pitch-growl-modulation, Y1 alters timbre. Tempo-synced LFO1 modulates formant bending.  Used in <a href="#">this audio demo</a> .
SETI Succeeded	Sound FX	All 4 LFOs used in this patch, modulating numerous things are running in random mode and also inter-modulate each other, MW introduces unipolar modulation of pitch/timbre, Y1 modulates resonator quality, X1 introduces pitch-growl-modulation.

Name	Category	Comments
Spirit Pad	Vocal	<p>Slowly evolving pad with modulated aspiration and filter cutoff, use MW for ethereal timbral changes, X/Y1 control amount of pan modulation /panning speed.</p> <p>Featured in this <a href="#">audio demo</a>. A Logic 10.2.1 project with 3rd party FX plugins and Midi is available.</p>
Sax Vox 01	Atmo	Re-synthesized/wavetabled granular saxophone soundscape (TCS sample) exciting the utterances. MW adds tempo-synced modulation of various parameters, X1 shifts formants, Y1 down darkens the sound. X2 introduces pan modulation, Y2 controls panning speed.
Sax Vox 02	Wave	Re-synthesized/wavetabled granular saxophone soundscape (normal wavetable) exciting the utterances, MW adds tempo-synced modulation of various parameters, X1 shifts formants, Y1 down darkens the sound. X2 introduces pan modulation, Y2 controls panning speed.
Sax Vox 03	Atmo	Re-synthesized/wavetabled granular saxophone soundscape (TCS sample) exciting the utterances. MW adds tempo-synced amplitude modulation, X/ Y1 shift formants around, X2 introduces random pitch modulation, Y2 controls modulation speed.
Sax Vox 04	Wave	Re-synthesized/wavetabled granular saxophone soundscape (normal wavetable) exciting the utterances, tempo-synced LFO3 (set to 4 bars) scans through the utterance chain. MW adds tempo-synced timbral modulation (resonator quality), AT adds vibrato (via LFO4). X1 shifts the formants, X1 down darkens the sound. X2 adds pitch-growl-modulation, Y2 controls excitation brightness.
Sax Vox 05	Wave	Same utterance chain and similar settings as the patch above, but using a different saxophone wavetable. MW adds tempo-synced modulation of various parameters, X1 shifts formants, Y1 down darkens the sound, X2 adds pitch-growl-modulation, Y2 modulates timbre (resonator quality).
SciFi Vox	Atmo / Drone / Sound FX	Strange rumbling, alien drone sound, with a re-synthesized/wavetabled electronic bell accent exciting the utterances. MW introduces tempo-synced pulsation, X1 adds pan modulation, Y1 down decreases LP cutoff.
Scientific Nonsense	Speech	Re-synthesized/wavetabled singing bowl glissando exciting the utterance chain, only the initial accent of the wavetable is slowly being scanned by the wave-envelope. MW introduces tempo-synced timbral/amplitude modulation, X/y1 control amount of pan modulation/panning speed, X2 adds pitch-growl-modulation, Y2 alters timbre (resonator quality).
Scrape Spiders	Sound FX	Re-synthesized/wavetabled scraping of piano strings (TCS sample), MW adds fast random modulation of various parameters (via LFO3), X1 adds pan modulation (speed modulation via LFO2), Y1 down decreases LP cutoff.
Scrape Spiders WT	Wave	<p>Variation of the patch above, using a normally wavetabled version of the scraping piano strings, MW adds fast random modulation of various parameters (via LFO3), X1 adds pan modulation (speed modulation via LFO2), Y1 alters timbre (resonator quality).</p> <p>Used in <a href="#">this audio demo</a>. A Logic 10.2.1 project (<i>Final Quintet</i>) with 3rd party FX plugins and Midi is available.</p>
Shakespeare Poly	Speech	A Shakespeare quote, MW changes timbre, so does X2, Y2 down decreases LP cutoff, X/Y1 control amount of pan modulation/panning speed, AT introduces pitch-growl-modulation.

Name	Category	Comments
Shakespeare Solo PitchTrack	Speech	Monophonic version of the patch above, with Track1 modulating some of the utterances.
Sirens	Vocal	Female siren, Track1 creating the glissando, LFO2 modulating various things, it's amplitude modulated by LFO3, MW alters timbre, X1 introduces pitch-growl-modulation, Y1 decreases LP cutoff.
Solo Lead Vox	Lead	<p>Monophonic, lead, play overlapping legato notes so that the utterance chain does not restart from the beginning. MW alters timbre, AT introduces pitch-growl-modulation, Y1 controls aspiration amount, X1 adds roughness. X/Y 2 control amount of pan modulation/panning speed. Portamento is dialed in. As notes in Phonem's low register sound significantly louder, the use of a compressor is recommended.</p> <p>Featured in <a href="#">this video</a>. A Logic 10.2.1 project with 3rd party FX plugins and Midi is available.</p>
Spectral Pad	Pad	Wavetable with 4 waveforms exciting an AEIOU utterance chain. LFO1 modulates formants, increase modulation speed with MW which also increase pan modulation amount/speed. Y1 decreases LP cutoff, X1 adds pitch-growl-modulation. ENV M1 is assigned to numerous things.
Spirit Pad	Vocal / Pad / Choir	Calm vocal pad with 3 utterances, create beautiful tinkling overtones using MW, X/Y1 control amount of pan modulation/panning speed. Y2 down decreases cutoff, AT adds vibrato.
Straight Bass Quencer	Bass / Sequencer	Tempo-synced LFO1 (1/4) scanning through the utterances, MW controls amount of timbral modulation, X1 introduces pan modulation, Y1 down decreases LP cutoff. X2 adds pitch-growl-modulation, Y2 controls scanning speed (LFO1).
Straight Chord Quencer WT	Sequencer	A re-synthesized, LFO-synced tom tom loop (TSC sample) exiting the LFO-synced utterance chain. MW controls amount of timbral modulation, X1 introduces pan modulation, Y1 down decreases LP cutoff. X2 adds pitch-growl-modulation, Y2 controls scanning speed (LFO1).
Strato Organ	Wave / Organ	Organ-like pad sound with a re-synthesized piano resonance (normal wavetable) exciting the utterances, use MW for timbral changes, X/Y1 control amount of pan modulation/panning speed, AT adds vibrato, X1 adds adds pitch-growl-modulation, Y2 down decreases LP cutoff.
Strato Organ Ani	Wave / Organ	<p>Organ-like pad sound with a re-synthesized piano resonance (normal wavetable) exciting the utterances, Track1 modulating pitch, introducing little glitchy glissandos. Use MW for timbral changes, AT adds tempo-synced amplitude modulation, Y1 down decreases LP cutoff, X1 adds vibrato.</p> <p>Used in <a href="#">this audio demo</a>. A Logic 10.2.1 project (<i>Final Quintet</i>) with 3rd party FX plugins and Midi is available.</p>
Stutter Triplets Ani	Sequencer	Tempo-synced LFO1 scanning through the utterances (1/2), triplet-based LFO-modulation of formants/volume via LFO2, it's intensity modulated by LFO4. Control pan modulation amount with X1, crease cutoff with Y1. MW brightens timbre.
Stutter Vox	Sequencer	Tempo-synced LFO1 scanning through the utterances (1/4), all 4 LFOs are tempo-synced and also inter-modulate each other. MW darkens the sound, X1 introduces synced random pan modulation (LFO4), Y1 modulates formants, X2 adds pitch-growl-modulation, Y2 controls excitation brightness.

Name	Category	Comments
Sun Vocoder	Vocal	Vocoder-like contemplation of the sun, speech is looping back and forth, MW introduces timbral modulation via LFO3, X1 modulates resonator quality/aspiration, Y1 adds vocal fry, X1 controls excitation brightness/cutoff, Y2 modulates formants. AT adds random pitch modulation.
Swirling Pad	Pad	Glassy Pad, using 2 waveforms to excite the 2 utterances, blend the waveforms with MW. Y1 introduces slow tempo-synced amplitude modulation (LFO3), X1 adds pan modulation (LFO4), LFOs 1/2 modulate timbral things. AT adds pitch-growl-modulation
Synced Harmonics	Vocal	Unipolar square-shaped LFO1 modulates utterance position, increase modulation range and add pan modulation with MW, AT adds vibrato. Y1 introduces formant modulation (LFO2), increase modulation speed with X1.
Synced Whipper	Sequencer / Wave	Tempo-synced LFO1 scanning through the utterances (1 bar), a re-synthesized cymbal tremolo (normal wavetable) is exciting the phonemes. MW darkens the sound, AT adds vibrato (LFO4). X1 adds tempo-synced pan modulation (LFO3), Y2 controls excitation brightness.
Tale Texture	Speech / Wave	The beginning of a tale excited by a wavetable with a re-synthesized china cymbal (TCS sample), MW mickey-mouses the voice, X/Y1 controls mount of pan modulation/panning speed, X2 controls excitation brightness/aspiration amount, Y2 modulates formants.
Technology Vox	Wave	A re-synthesized/wavetable modulated synth texture (normal wavetable) exciting the utterances. Square-shaped, tempo-synced LFO3 is modulation resonator quality, MW is assigned to LFO2 depth, which m modulates various things like stereo panning and more. X1+ eliminates the modulation of resonator quality, X1 down decreases LP cutoff.  Used in this <a href="#">audio demo</a> . A Logic 10.2.1 project ( <i>Tokyo Subway</i> ) with 3rd party FX plugins and Midi is available.
Tokyo Subway	Vocal	Female contemplation of the Tokyo subway, the utterances are being excited by a re-synthesized/wavetable Photosounder texture (normal wavetable). MW alters timbre, X1 introduces pan modulation, Y1 controls panning speed. X1 modulates excitation brightness/aspiration amount, Y2 decreases LP cutoff. AT adds vibrato.
Tokyo Subway Mono Lead	Vocal / Lead	Monophonic lead version of the patch above, play overlapping legato notes so that the utterance chain does not re-trigger. AT also adds a bit of pitch-growling in this patch.  Featured in this <a href="#">audio demo</a> . A Logic 10.2.1 project with 3rd party FX plugins and Midi is available.
Transitions	Wave	The utterance chain is being excited by a re-synthesized/wavetable vocal texture (normal wavetable), LFO1 modulates several things (amplitude/formants), it's speed is being modulated by random LFO2. MW eliminates modulation and increases excitation brightness/gain. X/Y1 controls amount/speed of timbral modulation via LFO4 (-> resonator quality), X/Y2 control amount/speed of panning modulation. Maybe use a compressor to tame the dynamics of this patch.  Featured in this <a href="#">audio demo</a> . A Logic 10.2.1 project with 3rd party FX plugins and Midi is available.

Name	Category	Comments
Tremolo Pad	Wave	A re-synthesized/wavetabled oud tremolo (TCS sample) playing back and forth exciting the utterances. MW adds vibrato, X/Y1 modulate timbre (formant bending/cutoff), so do X/Y2 (resonator quality/formant offset). LFO2 modulates pan position.
Tremolo Pad Var	Wave	Variation of the patch above playing an octave higher and using a re-synthesized/wavetabled oud tremolo (normal wavetable) exciting the utterances. MW adds vibrato, X/Y1 modulate timbre (formant bending/cutoff), so do X/Y2 (resonator quality/formant offset), AT adds pitch-growl-modulation and increases excitation brightness. LFO2 modulates pan position.  Featured in <a href="#">this audio demo</a> (together with the patch above). A Logic 10.2.1 project with 3rd party FX plugins and Midi is available.
Tremolo Trills	Vocal	Track1 modulates pitch, MW introduces timbral modulation via LFO3, X1 introduces pan modulation, Y1 controls panning speed, X1 modulates timbre (resonator quality/excitation), Y2 down decreases cutoff.  Featured in <a href="#">this audio demo</a> .
Triplet Bass Quencer	Sequencer / Bass	Tempo-synced LFO1 (1/4) scanning through the utterances, MW controls amount of timbral modulation via LFO3 and also modulates resonator quality, X1 introduces pan modulation, Y1 down decreases LP cutoff. X2 adds pitch-growl-modulation, Y2 controls scanning speed (LFO1). Also try using this patch for chords in the higher register.
Trombone Choir TCS	Wave / Choir	A re-synthesized/wavetabled sustained trombone note (TCS sample) exciting two slowly blending utterances, VEL slightly shifts WT starting position, MW darkens the sound. X1 adds tempo-synced, triplet-based amplitude modulation, Y1 alters timbre (resonator quality/excitation). X2 introduces pan modulation, Y2 controls panning speed. AT adds pitch-growl-modulation.
Trombone Choir WT	Wave / Choir	Variation of the above patch, using a normal wavetable with a re-synthesized trombone sustain, X1 adds pan modulation, Y1 alters timbre (cutoff/formants). MW introduces tempo-synced, square-shaped pitch modulation, +1 octave with MW fully engaged. AT increases LFO1 speed, which modulates formants/resonator quality. X2 adds pitch-growl-modulation, Y2 controls excitation brightness.
Trombone Vox	Bass / Wave / Brass	A re-synthesized/wavetabled sustained wahwah trombone note (TCS sample), VEL shifts wt-start position, MW darkens the sound. X1 adds tempo-synced pan modulation, Y1^ introduces tempo-synced amplitude modulation. X2 adds pitch-growl-modulation, Y2 controls excitation brightness. AT adds vibrato.
Valentine Scape	Atmo / Soundscape	Miraculous spectral pad using a wavetable to excite the utterances. MW darkens the sound, X/Y1 control amount of pan modulation/panning speed, X/Y2 control amount of amplitude modulation/modulation speed. Also try notes in the very low register...  Featured in <a href="#">this video</a> . A Logic 10.2.1 project with 3rd party FX plugins and Midi is available.

Name	Category	Comments
Velocity Vox	Vocal	<p>VEL modulates utterance position and various timbral parameters. LFO1 modulates formants. X1 randomizes pan position, X1 controls aspiration amount. MW bends the formants.</p> <p>Featured in <a href="#">this video</a>. A Logic 10.2.1 project with 3rd party FX plugins and Midi is available.</p>
Vibra Vox	Wave / Mallets	<p>A re-synthesized/wavetabled vibraphone looping back and forth accent with varying vibrato speed is used to excite the utterance chain, LFO modulates pan position via ENV M1, panning speed is modulated by LFO2. MW introduces timbral and pitch modulation, AT alters modulation speed. X1 controls excitation brightness, Y1 down decreases LP cutoff which enhances the fricatives which sounds really strange but interesting.</p>
Vocal Pad Male	Vocal / Pad	<p>Male choir sound using an A-E-I-O-U utterance chain, VEL slightly shifts utterance position, LFO 1/2 modulate timbral things. MW introduces tempo-synced pulsation, decrease cutoff with Y1, control aspiration with X1. X/Y2 control amount of pan modulation/panning speed.</p>
Vowel Bass Choir Norm	Vocal / Male Choir	<p>MW introduces tempo-synced amplitude modulation, X1 adds pan modulation, Y1^ for timbre changes, Y1 down -&gt; cutoff, X/Y2 modulate formants.</p> <p>Featured in this <a href="#">audio demo</a>. A Logic 10.2.1 project (<i>Guttural Meditation Duet</i>) with 3rd party FX plugins and Midi is available.</p>
Vowel Bass Choir WT	Wave	<p>Same utterance chain as above, excited by a re-synthesized/wavetabled cymbal sample. MW introduces tempo-synced amplitude modulation, X1 adds pan modulation, Y1^ for timbre changes, Y1 down -&gt; cutoff, X/Y2 modulate formants.</p>
Wah Tube Vox	Wave / Mallet	<p>A re-synthesized/wavetabled wahwah tube accent with varying wahwah speed (TCS sample) exciting the utterance chain. MW brightens timbre, X/Y1 control amount of pan modulation/panning speed. X2 introduces square-shaped pitch modulation (+/1 1 octave when fully engaged), Y2 controls modulation speed.</p>
Wah Tube Vox WT	Wave	<p>A re-synthesized/wavetabled wahwah tube accent (normal wavetable) exciting the utterances, MW darkens the timbre, X/Y1 control amount of pan modulation/panning speed. Y2 introduces tempo-synced pulsation, X2 alters timbre.</p>
Wheel Harmonics	Vocal	<p>Scan through the utterances/overtones with MW, LFO1 is also modulating ut-position. Y1 introduces formant modulation via LFO2, control modulation speed with X1. X2 adds pan modulation, Y2^ creates very interesting spectral overtone timbres. AT adds vibrato.</p>
Wholetone Mill	Vocal	<p>Track1 creates the falling and rising wholetone scale, adjust the time envelope for scale speed), MW adds tempo-synced, square-shaped pitch modulation, +/- 1 octave with MW fully engaged (low notes tend to overload here, so use low velocity levels for low bass notes). X1 adds pan modulation, Y1 controls panning speed, X2 alters timbre, Y2 darkens the sound.</p>
Winter Light	Speech	<p>Contemplation on winter light, time envelope scans through the utterance chain once (no loop), Track1 creates the melody. MW brightens the sound, X/Y1 control amount of pan modulation/panning speed. X2 introduces random modulation of formant bending via LFO3, it's speed is modulated by LFO2, Y2 decreases cutoff, which enhances the fricatives. AT introduces pitch-growl-modulation.</p>

Name	Category	Comments
Winter Light WT	Wave	<p>Variation of the above patch, using a re-synthesized oud accent (TCS sample) looping back and forth the utterance chain and the wavetable. MW brightens the sound, X1 introduces random pan modulation, Y1 modulates resonator quality. X2 introduces pitch-growl-modulation, Y2 adds tempo-synced formant modulation via LFO4, AT adds vibrato.</p> <p>Featured in this <a href="#">audio demo</a>. A Logic 10.2.1 project with 3rd party FX plugins and Midi is available.</p>
Winter Wind	Speech / Wave	<p>A Shakespeare quote, the utterance chain is excited by a re-synthesized/wavetabled bowed china cymbal (TCS sample). MW darkens/muffles the sound. LFO1 modulates pan position, it's amplitude is modulated by ENV M1. X1 introduces pitch-growl-modulation, Y1 modulates formants.</p> <p>Featured in <a href="#">this video</a>.</p>
Your Bass	Bass	<p>Tempo-synced LFO1 (4 bars) is scanning through the utterances and is also modulating formants, synced random LFO3 modulates formants, synced LFO2 modulates pan position via X1. AT adds pitch-growl-modulation. X1 controls aspiration, Y2 adds vocal fry.</p>

Please enjoy the sounds!

Simon Stockhausen, January 31st - 2016