

EUROPA RETRO WAVES

WAVETABLE EXPANSION FOR EUROPA SYNTH



Europa Retro Waves

Europa Retro Waves is a wavetable expansion for the Propellerhead Europa synthesizer, focusing on the wavetable capabilities of Europa and featuring a wide range of vintage synth and wavetable sounds from the last century.

The refill contains 100 meticulously selected wave samples, optimized specifically for the Europa synthesizer.

Analogue meets digital - you will find a rich selection of oscillators and filter emulations of legendary gears from **Korg, Moog, Nord and Roland**.

On the other hand, ERW also provides many classic wavetables from the **Waldorf Microwave XTk** synthesizer.



Contents of the refill

100 user waves in 4 categories:

- Filter emulations (22)
- Harmonics & textures (26)
- Instrument emulations (20),
- Oscillators (32)

ERW contains over 160 Europa patches in 7 categories:

- Bass (20)
- FX (10)
- Key & Poly (34)
- Melody (20)
- Pad & Atmo (30)
- Plucked & Mallet (18)
- Rhythmic (30)

Requirements

Propellerhead Reason 10 (or later) or Reason Intro. The VST version of Europa is not supported.

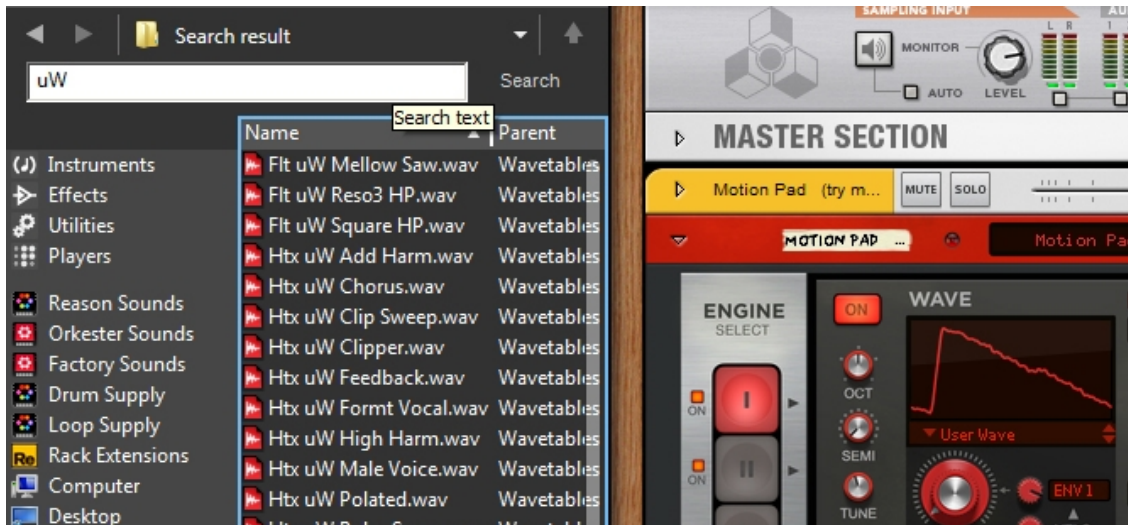
Europa Retro Waves was designed for performer musicians, so a good velocity sensitive keyboard with mod-wheel and aftertouch is highly recommended!

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List of wavetables

A tip: if you **only** want to see the Microwave XT's wavetables, type "uW" in the search field of the browser!



1. Filter emulations

These waves provide VCF emulations, the wavetable position (0-100%) corresponds to the cutoff frequency of the original instrument.

- | | |
|--------------------|---|
| Flt Juno60 Pulse | Resonant PWM filter sweep, sampled from Roland Juno-60 synth. |
| Flt Korg MonoPoly | Medium resonant filter sweep, sampled from Korg Mono/Poly. |
| Flt Moog Prodigy | Filter emulation of the Moog Prodigy synth, with low resonance. |
| Flt Moog Taurus | Filter sweep using very complex and rich waves of Minimoog Voyager. |
| Flt Nord LP12 Saw1 | Emulation of the Nord filter on saw wave with no resonance.
Sampled from Nord Modular G2X. |
| Flt Nord LP12 Saw2 | Same as above (LP12 Nord filter), but with medium resonance. |
| Flt Nord LP12 Saw3 | Same as above, but with high resonance. |
| Flt Nord LP12 Sqr1 | Emulation of the LP12 Nord filter on square wave, with no resonance. |
| Flt Nord LP12 Sqr2 | Same as above, but with medium resonance. |
| Flt Nord LP12 Sqr3 | Same as above, but with high resonance. |

Flt Nord LP24 Saw1	Emulation of the LP24 Nord filter on saw wave with no resonance.
Flt Nord LP24 Saw2	Same as above, but with medium resonance.
Flt Nord LP24 Saw3	Same as above, but with high resonance.
Flt Nord LP24 Sqr1	Emulation of the LP24 Nord filter on square wave, with no resonance.
Flt Nord LP24 Sqr2	Same as above, but with medium resonance.
Flt Nord LP24 Sqr3	Same as above, but with high resonance.
Flt SE1X HiReso	High resonant filter sweep, sampled from Studio Electronics SE-1X.
Flt SE1X LP12 Wave	Medium resonant filter sweep, using the SE-1X's Oberheim filter.
Flt SE1X LP24 Wave	Medium resonant filter sweep, using the SE-1X's Moog filter.
Flt uW Mellow Saw	Filter sweep without resonance, also good for woodwinds.
Flt uW Reso3 HP	Resonant formants fades.
Flt uW Square HP	Square-like waves from hollow to bright and to high pass filtering.

2. Harmonics and textures

These wavetables, being rich in harmonics, are useful for continuously changing textures, atmospheres or pads.

Htx PPG Upper Waves	Rich and varied selection of different waves.
Htx uW Add Harm	Sine to middle-range harmonics formants.
Htx uW Chorus	Rich phasing chorus, use KEY to control the wave position.
Htx uW Clip Sweep	Strong high harmonics.
Htx uW Clipper	Strong high-order harmonics. Useful for bright percussive stringed keys.
Htx uW Feedback	Highpass VCF simulation without resonance.
Htx uW Formt Vocal	Formant sweeps. Use KEY to control the wave position.
Htx uW High Harm	Sweeping high formants.
Htx uW Male Voice	Metallic vocal sound sweeping through the vowels "a-e-i-o-u".
Htx uW Polated	Sweep among fundamental and different high harmonics.

Htx uW Pulse	Sweep Mixture-like wave, very high harmonics are emphasized.
Htx uW Reso	Sweep High resonant filter sweep.
Htx uW ResoHarms	Stationary organs, produces ascending high harmonic sweeps.
Htx uW Resonant 1	Simulation of a resonant filter, position 0 is a sine wave.
Htx uW Resonant 2	Similar to Resonant 1 with additional higher harmonics.
Htx uW Robotic	Fast changes of low and high harmonics for S&H effects.
Htx uW Saw Sweep	Saw low-resonance VCF, also good for woodwinds.
Htx uW Square Swp	Sine to rectangular sweep with low reso, for clarinet or flute.
Htx uW Strong Harm	Sine wave to high frequency formants.
Htx uW Transient	Sweeping produces high-low-high harmonic sweep effect.
Htx uW Wavetrip 1	Rich and varied selection of different waves.
Htx uW Wavetrip 2	Rich and varied selection of different waves.
Htx uW Wavetrip 3	Rich and varied selection of different waves.
Htx uW Wavetrip 4	Rich and varied selection of different waves.
Htx uW Xmas Bell	Ring modulation-like harmonic series.
Htx Vowels	Vocal sound sweeping through the vowels "a-u-o-e-i".

3. Instrument emulations

These waves tries to emulate "real" instruments. Although the wavetable synthesis wasn't created for this purpose, it can still yield interesting results.

Ins Dulcimer	Oriental type string, sampled from Roland XV-5080.
Ins DX Epiano	Classic electric piano, sampled from DX7 II.
Ins Gtr String 1	Physical modelled string, sampled from Nord Modular G2X.
Ins Gtr String 2	Physical modelled string, sampled from Nord Modular G2X.
Ins Nylon String	Physical modelled string, sampled from Nord Modular G2X.
Ins Sax Alt	Alt Saxophone, sampled from Roland XV-5080.
Ins uW Bellish	Smooth but high harmonics wave for bell-type sounds.

Ins uW E.Piano	Sampled Electric Piano in reverse direction.
Ins uW FM Piano	Sampled FM piano.
Ins uW Glassy	Hollow triangle-like wave with different harmonic contents.
Ins uW K+Strong 1	Karplus Strong series 1 – good for plucked string type sounds.
Ins uW K+Strong 2	Karplus Strong series 2, sharper – good for plucked strings.
Ins uW K+Strong 3	Karplus Strong series 3, more sharper – good for plucked strings.
Ins uW Low Piano	Sampled Acoustic piano at low key.
Ins uW Mallet Syn	Sine sweep to high harmonics. Good for vibes, bells and other mallets.
Ins uW Organ Fat	Even harmonic series, good for rich church organ.
Ins uW Organ Perc	4 types of percussive organs.
Ins uW Organ Syn	Several organ registers. Sine, Hammond, Lowery, Church organs.
Ins uW Vibes	Metallic vibes, useful for mallets.
Ins uW Wind Syn	Low formants. Wave position 0 and 100 is dark, at middle it's bright.

4. Oscillators

Continuously changing complex and modulated oscillators can give you a great raw material for creating fat and vivid sounds. Some of these are really complex, so sweep them slowly (eg. if you use the LFO to sweep them, set the frequency to low: 0.1 – 0.3 Hz), otherwise they may sound chaotic.

Osc A6 Unison	Fat lead type sound, sampled from the Alesis Andromeda A6 synth
Osc D50 Saw Fat	Fat sawtooth with chorus, sampled from Roland D-50 synth
Osc D50 Sqr Fat	Fat square with chorus, sampled from Roland D-50 synth
Osc D50 String	Slightly detuned and modulated saw waves from D-50, good for long strings and pads.
Osc JP4 Saw Fat	Fat sawtooth with internal chorus, sampled from Roland Jupiter-4.
Osc JP4 Sqr Fat	Fat square wave with internal chorus, sampled from Roland Jupiter-4.
Osc KMP SuperSaw	Multiple saw waves, sampled from Korg Mono/Poly synth.
Osc Moog Lead	Complex PWM type sound, sampled from Minimoog Voyager

Osc Moog PWM	Multiple PWM waves from Minimoog Voyager.
Osc MS20 RingTri	Ring Modulated triangle sample from Korg MS-20 synth.
Osc MS20 SAW	Slightly modulated Sawtooth, sampled from MS-20 synth.
Osc MS20 SelfOsc	High resonant self oscillating saw from MS-20, good for crispy bass.
Osc OB String 1	Very complex modulated multiple saw from Oberheim Matrix 6 synth.
Osc OB String 2	Similar to the previous one, but it has different character.
Osc uW Distorted	Powerful distortion waves. Higher harmonics are less pronounced towards upper waves.
Osc uW Fuzz Heavy	More powerful distortion waves.
Osc uW Fuzz Sync	Synced fuzz waves.
Osc uW Fuzz Wave	Light metallic fuzz waves.
Osc uW MicroPWM	Square to rectangular to narrow pulse waves, produces PWM effects.
Osc uW MicroSync	Algorithmically created phasing sawtooth waves.
Osc uW Pulse Sync1	Pulse wave table with oscillator sync 1.
Osc uW Pulse Sync2	Pulse wave table with oscillator sync 2. Wider slave detuning range.
Osc uW Pulse Sync3	Pulse wave table with oscillator sync 3. Even wider slave detuning range.
Osc uW PWM Pulse	Pulse wave with pulse-width modulation.
Osc uW PWM Saw	Sawtooth waves with pulse-width modulation.
Osc uW Saw Sync 1	Sawtooth wave table with oscillator sync 1.
Osc uW Saw Sync 2	Sawtooth with oscillator sync 2. Wider slave detuning range.
Osc uW Saw Sync 3	Sawtooth with oscillator sync 3. Even wider slave detuning range.
Osc uW Sine Sync 1	Three sine wave table with oscillator sync 1.
Osc uW Sine Sync 2	Three sine wave table with oscillator sync 2. Wider slave detuning range.
Osc uW Square-Saw	Harmonics 2 + 3 to sawtooth sweep. For sounds like harmonium, accordion, harmonica.
Osc uW True PWM	Pulse-width modulation. 50% is at lower end, upper end is a very narrow pulse.

List of Europa patches

A tip: you can also use these patches as “articulations”. Try different user waves (located in the wavetables folder) on the same patch using drag and drop, and you will see how dramatically you can change the sound of the patch – endless variations! :)

Bass	FX	Key & Poly
Acoustic Bass	Falling FX	Goblins Choir
Afterburning Jupiter	Lake in the Cave	Guitar Keys 1
Bad Boys Bass	Lobotomy Project	Guitar Keys 2
Bottle Bass	Marble FX	Juno Pulse
Duck Square Bass	Minions Yay	K+Strong Key 1
Fat D50 Square Bass	Professor Chaos	K+Strong Key 2
Mellow Bass	Rise & Hit	Kitaro Keys
Metalo Bass	Satellite FX	MicroWave Low Piano
Moorland Bass	Stuck in the Centrifuge	Nord Filter Keys 1
Nordic Bass	Veloci-Raptor FX	Nord Filter Keys 2
Picked Bass		Paracelsus
Pluck K Bass	Key & Poly	Perc Organ 1
Round Bass		Perc Organ 2
Rubik Bass	Andromeda Keys	Pipe Organ
SawSync Bass 1	Brass Synth 1	Random Wavedrops
SawSync Bass 3	Brass Synth 2	ResoHarm Keys
Smooth Bass	Clavi 1	Rich & Fuzzy uW Key
Spring-Resonant Bass	Clavi 2	SelfOsc Key
Square uW Bass	Clavi 3	Switch Me On
Taurus Bass	Dulcimer Keys	Tangerine Key
	DX Piano	Velo-City Keys
	FM Piano	Vocode 'em
	Gandalf Keys	Warm 80s Analog Stab
		Zawinul Guitar II

Melody	Pad & Atmo	Plucked & Mallet
Alto Sax	After War Pad	Analog Pluck 1
Digestible Glass	Ambient Organ	Analog Pluck 2
Elf in the Bathroom	Bell Pad	Crystal Structure
Flute Jupiter Syn	Blue Abyss	Eastern Bells
Foolish May	CS-80 Pad	Feng Shui
Fresh SuperSaw Lead	D50 String Pad	Glassy Pluck
Helium Voice	Dolce D50 Strings	Glockenspiel
Micro PWM Lead	Feedback Texture	Lilly on the Beach
Oberheim String 2	Frozen Waves	Music Box
Organ Lead Drive	Green Fields	Muted Gutar w Feedback
Razor Blade	Hmmm Pad	Muted Pluck String
Secrets and Lies	MicroWave Choir	PWM Arp
Silk Lead	Motion Pad (try more flt)	Red Hybrid
Smooth D50 Lead	Neptun Atmosphere	Silver Bells
Sweet Jupiter Lead	Northern Lights	Steel Drum Mallet
Trumpet Synth	Oberheim String 1	Strummed Guitar (PW)
Unisono Pulse Sync	Opening Pad (try more osc)	Vibes
WindSyn 1 Flute – Horn	Orchestral Strings 1	Xylo vs Water Organ
WindSyn 2 Brass type	Orchestral Strings 2	
Zawinul Guitar	Orchestral Strings 3	
	Resonant Harmonics Pad 1	
	Resonant Harmonics Pad 2	
	Rising Prodigy Pad	
	Shining Reflections 1	
	Shining Reflections 2	
	Slow Miracles	
	Spiral Pad	
	Taurus Pad	
	Underwater Sunlight	
	UW MicroWave pad	

Rhythmic

AutoBahn Bass Sequence
Clipper LFO Sequence 1
Clipper LFO Sequence 2
Dance in the Mud
Elliptic Sequence
Engine Starts Sequence
Formant Arp Sequence
Gentleman Bass Seq
Goblins Sequence 1
Goblins Sequence 2
Good Boy Bass Seq
Harmonic Sequence
Ice Arp Sequence
Long Wave Trip 1
Long Wave Trip 2

Rhythmic

Metal Comb Sequence
Moments in Love
Motion Sequence for Flt
Nostalgic Memories Seq
Octav LFO Arp Seq 1
Octav LFO Arp Seq 2
Organ LFO Arp Sequence
Sinister Move Seq
Spring Coming Seq
Tauron Sequence
Trans-Europe LFO Arp Seq
WaveScan LFO Seq 1
WaveScan LFO Seq 2
WaveScan LFO Seq 3
Wavetrip S&H Arp Seq

Credits

Andras Haasz: main concept, artwork, recording & editing, sound design

Patrick Maerker: demo songs, beta tester

Samuel Haasz: consulting editor

All samples were recorded and processed, all patches were created by PinkNoise Studio between 2018 and 2019.

For more info, support and updates please visit our homepage: reasonbanks.com