

ProtoPlasm Pro Synthesizer V.1h (2011)

Pad & Texture Synthesizer by H.G. Fortune



One of the special features of this synthesizer is a very easy to handle modulation-system with 8 LFO/S&H-outputs plus optical control derived from even patternlike LFO-waveforms as modsources. So You can do quite amazing and complex modulations with only very few settings. Basically this synthesizer is best suited for highly vivid pads and textures but you can also do bass, leads etc.

The basic features of 2005 version are:

- three digital PCM-wave oscillators powered by 50 different waveforms of enhanced quality

- each oscillator's level can be modulated by different sources

- one LP filter (24db Lowpass) with adjustable Boost and ADSR EG

- one HP filter (12db Hipass) with adjustable Boost and ADSR EG

- two shapeable LFO with patternlike waveforms (bpm-synced)

- one shapeable standard LFO (bpm-synced)

- one shapeable Sample & Hold with pattern (bpm-synced)

- each LFO and S&H provide an additional Mix-out for mixed LFO-shapes

- 'magic eyes' as visual control for LFO & S&H in motion

- one ADSR EG for VCA

- adjustable level for direct, LP and HP output with separate pan each

- stereo-delay for PingPong effects (bpm-synced)

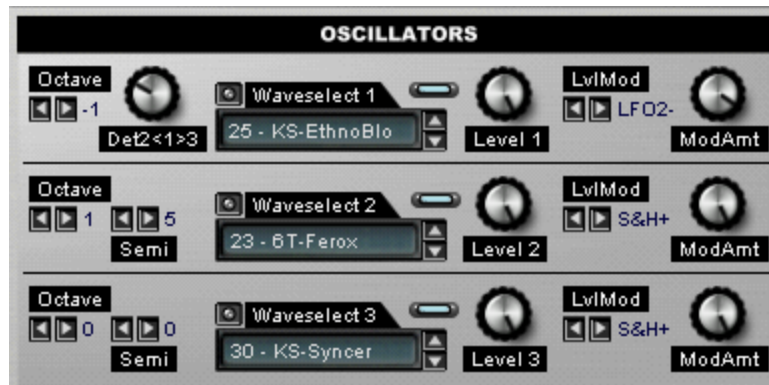
There is also the option of using a wavefile instead of the inbuilt internal waveforms at each oscillator. Wavefiles can be up to 24Bit!

As of the **internal waveforms** there are now **256** instead of the original 50. Bank 0 comprises the original waveforms of the latest ProtoPlasm TSM version (120) plus 8 more to have a full bank of 128.

Further additions are: Internal patch select with up/down arrows, option to (re-)name patches and patch managing for loading and saving fxp/fxb files.

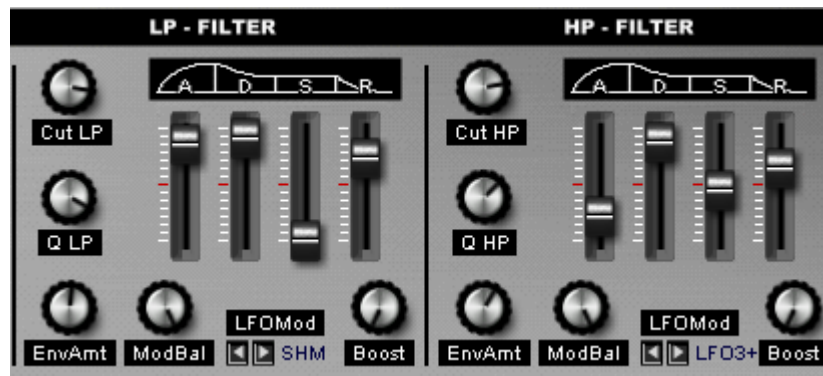
The features in detail

The sound-sources



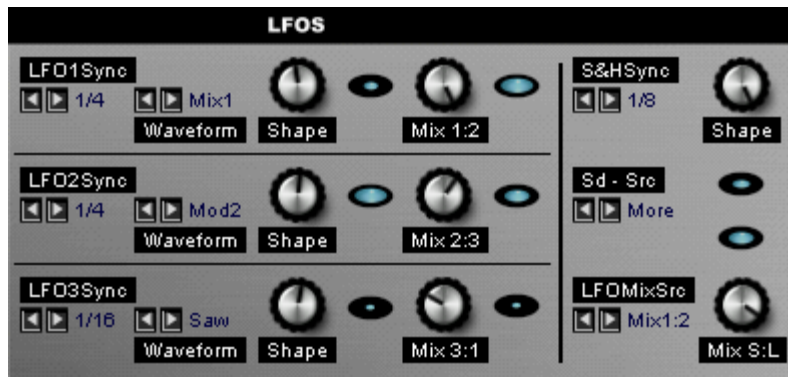
There are three oscillators with octave range adjustable -2 to +2 **[Oct]**aves, **[semi]**tones for osc. 2 & 3 and fine detuning **[Det2<1>3]** so osc.2 is tuned a bit downward while osc.3 is tuned a bit upward for a more vivid sound. There is also an unlabeled **[Mute]** button for each oscillator bewtween waveselect and the level knob. The button left of waveselect (registered version only!) switches between internal soundsource and wavefile, loops are supported within wavefiles. The **[Level]** knobs determine the basic output level of each oscillator. Next to this there is a selector **[LvIMod]** for a source to modulate the output level of each oscillator followed by a knob to adjust level for modulation **[ModAmt]**.

The Filter section



There are two independant filters one 24dB lowpass filter with resonance **[Q]** and a 12dB hipass filter with resonance. Each filter can be modulated by an ADSR-EG and/or a selectable modsource from the LFO-section. The **[ModBal]** determines the amount of modulation between ADSR EG and LFO-source. The **[Boost]** knob provides an adjustable enhancement of the current filter frequency.

The LFO section



Delay and Main Out section



This stereo delay is synced to host clock at selectable division-settings by **[Dly-Ping-L]** and **[Dly-Pong-R]**. Use the **[Dly-Lvl]** knob to adjust the amount of delayed signal to the normal signal while the two **[Fdbck]** knobs determine the amount of repetitions of each delay. This is useful to get more delay repetitions at shorter delay times while the other delay has a longer delay time setting. So you can compensate the repetitions on the shorter delay vanishing too early. If you want to have a continuous delay when switching from one patch to the next it is advisable to have the divisional settings at the same divisor then no clicks should occur.

[Main-Vol] controls the overall output of the synthesizer.

General hints: 1. When moving a knob or slider you can also press <Ctrl> on the PC-keyboard for fine adjustments. 2. Long release settings at the ADSR EGs use more CPU.

Credits, thanks and further info

The ProtoPlasm Synthesizer has been created with Synthedit by Jeff McClintock with only two further modules by David Haupt.

The GUI has been kindly done by Vera Kinter (Brno, Czech Republic)

Preset patches were kindly done by:

Timothy Conrardy (TC); Vera Kinter (VK); Dimitri Schkoda (DS); Derek Kay (DK); Stephan Müsch/rsmus7 (SM); Rene Ebenhan (R); Steve Blenkinsopp (Waveform); Miguel Matas (MTZ) and vurt (v)

A big thanks also goes to all who have helped, betatested and taken part elsewhere within this project also those at KvR esp.: vurt, Jack Dark, Bruce Satinover and some others.

VSTI by H. G. Fortune:

More VSTI: <http://www.hgf-synthesizer.de>

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official support forum on kvr: <http://www.kvraudio.com/forum/viewforum.php?f=149>

HGFortune Synthesizer on facebook (feel free to use I like ;-):
[HGFortuneSynthesizer](#)

Open group for users, fans, friends and supporters: [on www.facebook.com](http://www.facebook.com)

This is not a technical support forum but is for news, communication among users e.g. sharing ideas, images, videos and music.

Thanks to all who have helped and do support my work!

H. G. Fortune
near Bonn (Germany) August, 29th 2005
Updated and set to freeware in November 2011

More free sf2 files can be accessed via:
[Free User content Sf2 files and patches](#)

Appendix

List of internal waves (original 2005 version)

001.Interstellar	013.HauntedPia	025.KS-EthnoBlo	037.SawPad
002.Overdrive	014.DropDown	026.KS-HumOhh	038.SynSquarA
003.Fat-CS-080	015.ShiverBell	027.KS-Nebulous	039.BellMagic
004.SyncedOsc	016.MetalBell	028.KS-FatBras	040.SynBas1
005.MajesticBrass	017.Bella_Donna	029.KS-Spectral	041.SynBas2
006.Orchestra	018.SpaceBells	030.KS-Syncer	042.SynBas3
007.FogString	019.InsideTube	031.KS-Pudding	043.BullSynBas
008.MysticVox	020.AlienSpectr	032.ModChord	044.FullPoly
009.FaintVox	021.Nocturnal	033.Chord2	045.FM2Slow
010.ChoirString	022.6T-FilterFM	034.ArcaneRealms	046.LongSync
011.FogChoir	023.6T-Ferox	035.PPG-OrgVox	047.DistSync
012.Bassical	024.6T-Basics	036.PPGVox	048.Fulldrive
			049.NoiseChoir

Appendix 2 List of samples (updated Pro version (free) 2011
bank 0

000 Interstellar	032 Chord2	064 LowVox	096 OrcStrings
001 Overdrive	033 ArcanRealms	065 HuanFlute	097 Symphonic
002 Fat-CS-080	034 PPG-OrgVox	066 Trumping	098 4Score
003 SyncedOsc	035 PPGVox	067 DrawbarOrg	099 OrganaVox
004 MajesticBrass	036 SawPad	068 OmziFSteps	100 FarFeesa
005 Orkestra	037 SynSquarA	069 OmziFMyth	101 Tundra
006 FogString	038 BellMagic	070 OutLand-2	102 FarHorizon
007 MysticVox	039 SynBas1	071 MovinBell	103 FroAndTo
008 FaintVox	040 SynBas2	072 InTheWoods	104 SpaceRide
009 ChoirString	041 SynBas3	073 LightningL	105 BellWave
010 FogChoir	042 BullSynBas	074 Mars-Siren	106 AuraWave
011 Bassical	043 FullPoly	075 FlowLoop	107 QQH-Waving
012 HauntedPia	044 FM2Slow	076 TalkLoop	108 FuzzDigi Z
013 DropDown	045 LongSync	077 CharmLoop	109 Digital X
014 ShiverBell	046 DistSync	078 ArcaneBells	110 AnFatSync
015 MetalBell	047 Fulldrive	079 MoltenBell	111 MetalSync
016 Bella Donna	048 NoiseChoir	080 TubeBell	112 AnLead
017 SpaceBells	049 VA-Vox	081 PitchGong	113 Fat-5th
018 InsideTube	050 JustAFlute	082 GongyFlute	114 3FatOsc
019 AlienSpectr	051 S-BigGongL	083 JapFlute1	115 MovinJaws
020 Nocturnal	052 DXEP-Base	084 BreathVoc	116 PS6-FatSaw
021 6T-FilterFM	053 Octavian	085 HallVox	117 ShiverBras
022 6T-Ferox	054 AtkSyn	086 TubeVox	118 RealBrass
023 6T-Basics	055 MSawBras	087 BottleVox	119 Rain&Crackle
024 KS-EthnoBlo	056 SynAthmoL	088 FakeVox	120 SpookBell
025 KS-HumOhh	057 AsianMetal	089 VoxyNse	121 Huuouuh
026 KS-Nebulous	058 Mythosfer	090 NoiseChord	122 FatQuyer
027 KS-FatBras	059 BenVoxMet	091 TubeNse	123 SparklyGls
028 KS-Spectral	060 SwellStrs	092 MetalNse	124 Metallic
029 KS-Syncer	061 ArcaNostra	093 JetNse	125 MetAtkF
030 KS-Pudding	062 MinorAtm2	094 NoiseOne	126 Florida
031 ModChord	063 XtraOrchs	095 MinAtmo	127 SomeWind

List of samples in bank 1

000 [Cpl]Arcanesque	032 [Orc]Blasomatrix	064 [Syn]BariSync	096 [Syn]SawsWet
001 [Cpl]Aphrodisia	033 [Orc]Bowed	065 [Syn]BellPadBreath	097 [Syn]SawyPulse
002 [Cpl]ArcaNostra	034 [Orc]BowedStrs	066 [Syn]Belltronic	098 [Syn]ShredSync
003 [Cpl]AtckSphere	035 [Orc]BroadBras	067 [Syn]BigSaw	099 [Syn]Simplify
004 [Cpl]BellCave	036 [Orc]ClassicStrn	068 [Syn]BriteBras	100 [Syn]Slurper
005 [Cpl]Cinematic	037 [Orc]Ensemblon	069 [Syn]BriteFive	101 [Syn]SoftDigiBell
006 [Cpl]DarkRealms	038 [Orc]EthnicVoc	070 [Syn]Claviculi	102 [Syn]SoftyPad
007 [Cpl]DigiPad2	039 [Orc]Fanfare	071 [Syn]DigWaveX	103 [Syn]SquawSaw
008 [Cpl]DigiString	040 [Orc]FarFeesa	072 [Syn]Drawbar	104 [Syn]Stringz
009 [Cpl]EerieVox	041 [Orc]Frankenhorn	073 [Syn]FogHorn	105 [Syn]ThinSaw
010 [Cpl]Enigmatic	042 [Orc]gOrganic	074 [Syn]GoodLow	106 [Syn]TurbilinHi
011 [Cpl]FemBreath	043 [Orc]Gorgue	075 [Syn]GrowlSpit	107 [Syn]TurbilinLo
012 [Cpl]GlassBlojob	044 [Orc]Ham'n'Egg	076 [Syn]HiPassed	108 [Syn]Voices
013 [Cpl]GlassyZone	045 [Orc]HeavyOrgl	077 [Syn]HollowSaw	109 [Syn]WarmAnalog
014 [Cpl]Grumbling	046 [Orc]LongAhhh	078 [Syn]HvyBrite	110 [xFx]Chicadas
015 [Cpl]Guevercin	047 [Orc]LongOoouh	079 [Syn]HvySyncFZ	111 [xFx]Clocks-rev
016 [Cpl]H2O-Phone	048 [Orc]NoVocal	080 [Syn]HybridBras	112 [xFx]Demons-r
017 [Cpl]NTropic	049 [Orc]OrganaVox	081 [Syn]LiteSync	113 [xFx]FantaBars
018 [Cpl]SoftAtkPad	050 [Orc]Organox	082 [Syn]LowXsaw	114 [xFx]FantaB-rev
019 [Cpl]Unexpected	051 [Orc]OrgueStr	083 [Syn]MedSyncFZ	115 [xFx]GlissHarp
020 [Cpl]VocNoVox	052 [Orc]RealViolins	084 [Syn]MChordy	116 [xFx]HarpGliss-rv
021 [Cpl]VoxObscura	053 [Orc]SadFemale	085 [Syn]Narronics	117 [xFx]Haunted-rev
022 [Cpl]VoxPlus	054 [Orc]SmokeH2O	086 [Syn]Nasalic	118 [xFx]Realms
023 [Cpl]WideDigi	055 [Orc]Stringelized	087 [Syn]Nopia	119 [xFx]ResoBubble
024 [Orc]AaaOhhhs	056 [Orc]Superstr	088 [Syn]OmniSaw	120 [xFx]SamUnhold
025 [Orc]AirVoice	057 [Orc]Symphony	089 [Syn]OpenJaws	121 [xFx]SeaSide
026 [Orc]ArtVox	058 [Orc]UnOrganic	090 [Syn]OscarSync	122 [xFx]S'n'H-Blipps
027 [Orc]Asianic	059 [Orc]Voxodont	091 [Syn]Overhome	123 [xFx]StormWind
028 [Orc]Aspiration	060 [Orc]VStrings	092 [Syn]PepeGoes	124 [xFx]UnNatural-r
029 [Orc]Bellatrix	061 [Orc]WideStrngs	093 [Syn]ProphetSaws	125 [xFx]Voegelei
030 [Orc]BestAttack	062 [Orc]XtraOrchst	094 [Syn]SawsOff	126 [xFx]VX-Storm
031 [Orc]BigOrchStr	063 [Syn]AtkOpnBrass	095 [Syn]SawsSoftwide	127 [xFx]WaterStream

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