New features:

- Over 500 new patches by professional designers, the total number of patches has increased to 1076
- Added a comfortable patch browser
- Drag & Drop modulation: Drag an envelope or lfo and drop it to a knob to modulate it
- Midi learn support: Right-click on a knob to assign a CC
- The new synth engine is now able to create bass sounds and more realistic lowpass filter sweeps
- Hovering the mouse over a knob shows a box with information
- 39 DC waveform types have been added, which are suitable for bass and filter
- Right-click on a knob opens a menu where you can assign a massive amount of modulation sources
- Modulation depth control on top left of a knob if a source is assigned
- Sectors on knobs show the modulation amount
- A red sector is shown when clipping of modulation occurs
- Added a random patch generator: Edit->'Create random patch'
- Hovering the mouse over a knob shows the current parameter value and the modulation source
- 134 new impulse responses in wav format
- 10 additional high quality Reverb effects
- 5 additional delay effects
- 2 additional phaser effects
- 2 additional flanger effects
- 2 additional vibrato effects
- 1 additional chorus effect
- 1 additional tremolo effect
- 1 additional autopan effect
- Added 'Psychoacoustic+', a new psychoacoustic mode with more' presence'
- The patches can be ranked by clicking on the stars in the patch browser
- Patch rankings are stored as .rnk files within RayBaster_sounds
- Information tags (like legato, unison, etc) for every patch are shown in 'info' tab of the patch browser
- File->'Quick save patch' overwrites a patch with the new settings
- Additonal osc window functions 'Triangle','Hard square','Harder square', 'Taper', 'Sine', 'Fish', 'Add square', 'Lips'
- Responsive and smart GUI with tooltips
- Parameters can be reset to the default value with right-click->reset
- Switching the effect type now selects good default paramter values
- 4 additional sound categories 'Wobble', 'Pluck', 'Pad 2' and 'Sequence'
- Edit->'Clean matrix' cleans up the mod matrix and resets unused slots
- Edit->'Reset midi learn' removes all midi CC assignments
- Added a 'Hypersaw' effect, which sounds like many detuned oscillators
- 32 bit wav file format support
- Support for exotic wav file headers (Logic X)
- Help->'Show version info'
- Help->'Download updates'
- Edit->'Init gate: Ramp up / down / up & down / down & up / random' initializes varius shapes for the step sequencer

Enhancements:

- The synthesis engine has been reworked
- More detailed overall sound
- Extended sonic range with more 'low-end'
- Reworked user interface
- More soft parameter smoothing
- It's more easy to get good results when building own sounds
- More linear frequency response, especially for high frequencies
- Enhanced sound of the effects by adding oversampling
- The resynthesis is able to import larger samples
- Higher precision for high freqeuncies when using the resythesis
- Reworked many existing factory sounds
- New knobs with enhanced performance
- Enhanced sound of unison
- Enhanced Init patch settings
- File, Edit & Help menues now pop up from beneath
- Updated and extended demo version
- Better performance
- More robustness and stability
- Better compatibility with older hosts
- Support for exotic mouse drivers
- Better workflow
- Higher quality waveform playback
- Parameters are more easy to adjust
- Clicking on 'Next Bank' now rotates to the first entry if the last one has been reached
- Slighly enhanced gui skin and colors
- Legato is more easy to setup
- Many other small enhancements for the user interface
- 2x and 4x stereo unison is more easy to setup
- Category is rotating for a more comfortable patch browsing
- More precise coordinates for the layout
- Enhanced sound of 'Delay' effect by adding spline interpolation
- Enhanced sound of 'PingPong' effect by adding spline interpolation
- Enhanced sound of 'Multitap' effect by adding a lowcut filter
- Better sound quality by adding a high-end resampling algorithm
- More smart mousewheel support
- More chaotic behaviour of the random lfo types in free mode
- Enhanced performance
- Higher quality waveform resampling
- Extended range of synced LFO phase
- Workaround for buggy hosts, which forget noteOff commands. The Arp does not longer produce a hanging note

Changes:

- Matrix source 'Env1' has been renamed to 'Aux Env1'
- 'Gate' has been renamed to 'Step'
- Moved some sounds to a different category
- 'Off' window function has been renamed to 'Off/Square'
- 'CLIP!' is not longer displayed