

## PPG Wave

Important note regarding parameter automation:

Automation of parameters has changed in the PPG depending on the functionality of your host application. The PPG Wave 2.V now sends MIDI Controllers to the host when changing parameters rather than sending VST automation data.

The reason is that VST automation data has no channel information. Therefore, the PPG used to encode the channel information into the parameter value. On reception, it decoded the parameter value and assigned the change to the right channel. Now, some hosts modify this automation data to e.g. create ramps or to only store the most important part of the automation values. This results in automation data the PPG doesn't understand. Those hosts are e.g. Logic 5 for Mac OS 9 and Cubase SX / SL. To accommodate this problem, the PPG now sends MIDI Controllers instead of VST automation data. Those MIDI Controller curves can be edited in the appropriate editors of your host application.

Keep in mind that MIDI Controllers have MIDI Channels. Therefore, the track where they are recorded on must be set to the correct MIDI Output (the PPG plug-in, for sure) and MIDI Channel.

Backward compatibility to existing songs with automation data is assured. The reception of automation data works exactly as in previous versions of the PPG. Only when creating new automations, the PPG generates MIDI Controller data instead of VST automation data.

### Changes in V1.2

07.11.2002

- \* [Mac] Carbon version created. Tested with Mac OS X 10.1.5 and 10.2.
- \* [Win] Compiled and tested with Windows XP.

### Fixes:

- \* [All] Fixed crash in Logic when switching between Editor and Control mode.
- \* [All] Fixed crash in Logic when switching plug-in to Multi Out.

### Enhancements:

- \* [All] Parameter automation is now done with MIDI Controllers instead of VST automation data.
  - \* [All] Knobs now work as follows:
    - \* After starting the PPG, they are "slaved" to the knob mode set in the VST host application, e.g. "Circular", "Linear" or "Relative Circular".
    - \* If Shift+PPG-Logo is clicked, they behave linearly, no matter how the knob mode in the host is set. This feature is kept to allow linear movements in host applications that don't have a global knob mode feature.
    - \* If Shift+PPG-Logo is clicked again, their behaviour is slaved to the host again.
- So, usually, you don't need the Shift+PPG-Logo click anymore but instead use the host's knob mode adjustment if available.
- \* [All] Envelope 3 Decay rates 62 and 63 now work as in the PPG Wave 2.2 and 2.3. The original PPG used these two rates to create an infinite decay. When ENV3 is routed to pitch, this can be used to create a constant detune to accommodate the limited value range of the DETUNE parameter.  
If you created sounds where Envelope 3 Decay was set to 62 or 63 to create a long but not infinite decay, set their decay rates to a value smaller than 62. The sound are not converted automatically because the factory sets were already set to have this infinite

decay but the PPG Wave 2.V didn't emulate it properly. Now it does.

\* [All] There's a new parameter in the TUNE page called SEMITONE>KEY:

On the original PPG, SEMITONE 1..8 had an effect on the resulting notes that were played.

That means, if the keyboard mode was set to POLY, each key played a different note from the SEMITONE list. With this feature, it was possible to play 8 note melodies by playing the same key on the keyboard.

Also, SEMITONE 1..8 had an effect on keytrack (KEY>WAVES, KEY>FILTER, KEY>AMP) so sounds that are copied parameter by parameter from the Wave 2.3 to the Wave 2.V might sound different.

In the PPG Wave 2.V, both features were missing. The first one was not emulated because we thought that it could confuse the customer too much. The second one by mistake.

SEMITONE>KEY takes care of that. It allows to play 8 note melodies in POLY mode and applies the SEMITONE 1..8 values to keytrack before this in turn is applied to WAVES, FILTER and AMP.

By default, SEMITONE>KEY is switched OFF to ensure sound compatibility. However, on the original PPG preset banks you should switch SEMITONE>KEY to ON when you want to listen to the programs as they originally sounded in the PPG Wave 2.3.

Fixes and Improvements in V1.0.1

24.05.00

\* [All] Fixed changing of Wavetables in Emagic Logic.

\* [All] MIDI Program Change messages are evaluated properly during "Export Audio".

\* [All] Volume parameter smoothed.

\* [All] Cutoff parameter smoothed.