

Behringer PRO-800 Firmware Update

Version: 1.4.6 (9 May 2024)

Bug Fixes:

- PC (Program Change) messages from another PRO-800 were not recognized, or if preset was set to number 00.
- "Last note" priority in Unison mode not working correctly.
- Active when Voice priority is set to "Last".

Version: 1.4.5 (16 Feb 2023)

Improvement:

- Improved controls response with reduced ghost changes.

Version: 1.4.4 (15 Dec 2023)

Bug Fixes:

- The following issue has been fixed. Change bank CC sent on MIDI after some switches were moved. Switches affected were in the LFO-MOD section: FREQ A-B, PW A-B and Filter.

Version: 1.4.3 (25 Oct 2023)

Bug Fixes:

- Fixed issue. Preset Name Scroll = OFF; the Name was still showing after a MIDI PC or a CC = 0 was received."
- Voice 1 killed + Unison mode, was not working properly. The Voice 1 was still gated but not released. The note would hang forever until the device is power cycled.
- SynthTribe voice kill not reacting on synth.
- Pitchbend to volume range issue, not working after range settings of 12 notes introduced after V1.3.7.

Improvements:

- Volume VR reaction is faster now.
- VRs noise and spurious value updates have been improved.

Version: 1.4.0 (12 Sep 2023)

Bug Fixes:

- Correct LFO Amount offset on presets created before V1.3.7.

Improvements:

- Improve LFO Amount knob characteristic.

Version: 1.3.7

Bug Fixes:

- Sending CC messages from switches was not working for the first change, only after a second change would a CC message be sent.
- After updating to V1.2.7, the PRESET LED was occasionally blinking after power up.
- CC = 61 and 63; Exponential envelop enable was inverted; value 0 was turning it on.
- CC = 72, had no reaction; the LCD display update was also not correct.
- CC = 59, display update after receiving was not correct.
- CCs 74-75-76 (LFO-Mod switches) sent values 0/127, 0/126 and 0/124 respectively; changed all to 0/64 like all other switches.
- *Soft Thru* setting was not being saved on the global settings, there were reports of loading issues after power up.
- ARP/SEQ will not play locally if *Local* = OFF.
- ARP/SEQ send midi out regardless off the *Soft Thru* setting.
- Volume and tune controls not reacting, related to following issues:
 - "With *Soft Thru* = OFF, no volume"
 - "Not working while the PRO-800 is connected to MIDI USB"
 - "MCP live issues"
 - "After receiving controllers 3 (Tune) or 7 (Vol) the controls stop working, but turning the machine off and on makes them work again."
- Changing from PREF to SETTING was showing the last selected menu item of the other.
- VALUE encoder turns, with no setting/preference selected, was changing the last active setting/preference, without displaying the change. This led to unnoticed changes to parameters.
- MIDI CC = 123, "all notes off" was not working.
- Performance mode not loading the menu/hidden parameters; it was loading the values from the last loaded preset.
- VCA envelop plateau/delay increasing with increasing decay.

- Exponential envelopes not reaching a solid ZERO gain value, keeping the voice assigned.
- AT on released notes was opening the VCA fully, especially while using the Exp envelope.
- Displayed values of menu parameters were not being updated after an incoming CC when *Local* = OFF. Related to:
 - “In Local off mode all hidden parameters stop receiving their controllers”
- Stocked notes due to not cleared After touch, i.e. AT values were getting stuck and not cleared.
- After powering up and entering the performance mode, the controls were blocked.
 - It was necessary to turn the knobs to unblock them.
- Backwards compatibility: avoid *Local* and *Soft Thru* to be OFF after updating to 1.3.6.
- MIDI start, stop and continue were not working properly.

Improvements:

- Allow for finer range of LFO amount setting.
 - Finer knob reaction on the lower end.
- First press on any menu number leads to the first item on the list.
- Navigate presets with VALUE encoder, only works when the PRESET LED is solid i.e.:
 - The preset is loaded and not edited.
 - And when the PREF or SETTINGS are not active.
 - INFO: There is loading delay, only the last selected preset is loaded.
- Improved VCO Freq modulation coming from LFO and ENV.
 - Modulation is now in tune.
- The *Unison Detune* and the *Voice Spread* access has been moved from SETTINGS + 8 to PREF + 9.
- The *Glide Mode* was moved from SETTINGS + 9 to PREF + 0.
- Improve Clock recovery and synchronization from external sources.

The following parameters have been added to the preset structure:

- *Keyboard Tracking* reference note; default = C4
 - on PREF + 6
 - CC = 78
- *Voice Spread*; default = OFF
 - in PREF + 9
 - CC = 77

- *Pitch Range*; default = 12
 - CC = 42 for coarse
 - CC = 117 for fine
 - the range is 0 to 31.
- *Glide Mode*; default = time
 - in PREF + 0
 - CC = 79

This version is backwards compatible, presets saved on V1.2.7 and before will be loaded normally, the new parameters are set to default. The same yields for the former global settings that are now part of preset structure.