



MESSENGER

FIRMWARE 1.0.8

Release Notes

HIGHLIGHTS

Messenger firmware version 1.0.8 allows for the toggling on and off of 14 bit MIDI CC information. By default Messenger utilizes 14-bit MIDI, which uses two different CCs to increase resolution from 127 to 16383 and provides much finer control over each parameter. For example, the Mod Wheel sends information on both CC1 and CC33 - the former containing the MSB information and latter LSB. Parameters from Sustain Pedal (CC64) on do not require fine resolution and as such are traditional 7-bit MIDI messages sending a value from 0-127 over a single CC.

Disabling 14-bit MIDI will only send a traditional 7-bit MIDI message on the CC corresponding to the MSB for each control (Mod Wheel will only send on CC1 and will not send any information on CC33).

FIRMWARE UPDATE PROCEDURE

From time to time firmware updates will be released to expand the capabilities of Messenger. Firmware updates are accomplished by downloading the firmware update package from our website and connecting your Messenger to a computer via USB.

Once Messenger is connected to your computer run the firmware updater program by either opening the .dmg file (Mac) or running the .exe file (Windows). Follow the on-screen instructions and, when finished, you may disconnect Messenger from your computer.

NEW FEATURES

- MIDI 14-bit Enable (CONFIG Menu Page 3, Item 5)

PGM button 5 toggles 14-bit MIDI CC RX/TX on/off. By default, 14-bit CCs are enabled.

BUG FIXES

- Fix bug where HOLD button would not properly send NOTE OFF messages.
- Fix bug where large amounts of USB traffic would cause panel controls to reset.
- Fix bug where navigating from one Assign screen to another would cause LEDs to be stuck blinking.
- Fix bug where MIDI Note On messages would be dropped when receiving from instruments that use MIDI Running Status and Note On Velocity 0 messages.

PREVIOUS CHANGES

CHANGES IN v1.0.7

NEW FEATURES

- Sequencer Play Modes (CONFIG Menu Page 1, Item 7)
- Sequencer Modes – Seq Transpose Across Patch Loads (CONFIG Menu Page 2, Item 4, Option 5)
- Velocity Sensitivity (CONFIG Menu Page 2, Item 6)
- Aftertouch Sensitivity (CONFIG Menu Page 2, Item 5)
- MIDI Clock Settings – Toggle MIDI Clock Transmit (CONFIG Menu Page 3, Item 3)
- CV Output Source selection (CONFIG Menu Page 3, Item 8)
- Analog Clock Input PPQN Settings (CONFIG Menu Page 3, Item 9)
- Run Tuning Procedure (CONFIG Menu Page 4, Press Item 14 to run tuning)
- MIDI Clock Output fully implemented
- Live record held notes as ties in sequencer
- Add Expression MIDI CC. Expression Input now sends/receives on CC11. SUB WAVE now sends/receives on CC71
- Add Sysex Bulk Dump / Receive Functionality. To perform bulk dump: Press CONFIG Page 3 Item 7
- Hold PATCH and press INIT to initialize only sound engine without overwriting sequencer
- Add 1 second delay to preset audition upon holding patch buttons in save UI

IMPROVEMENTS

- Improved tuning procedure
- Allow sequence ties to be inserted by holding HOLD first and pressing a sequence step second, without also changing the HOLD setting's state to reduce confusion around accidentally live recording with HOLD turned on
- Removes situation where moving from Arp patch (PLAY ON) to patch with sequence auto-plays sequence
- Record arming or calling up SEQ via DIRECTION automatically calls up SEQ view
- PLAY arming or calling up ARP via DIRECTION automatically calls up ARP view
- Implements cursor in ARP view
- Improve MIDI transmit processing
- Improve resilience to ESD events
- Invert CLOCK DIV Selection, so that faster divisions are to the right / clockwise on the knob. Implement upgrade logic so that patches prior to version 7 are unaffected.
- When live recording from seq init, default to 16-step length
- Initializing sequence while playing will preserve the length of the previous sequence

BUG FIXES

- Fix bug where HOLD button would still display TIE state when turning off RECORD mode while sequence was playing
- Fix bug where sequence TIEs would continue to sound, even when the step had been disabled
- Fix bug where, occasionally, some knobs could not “pass thru” values at the extremes
- Fix bug where sequencer transpose would be set to an extreme negative number sometimes on startup

Devoted to the Development and Manufacture of Electronic Instruments for the Musician