Trigon-6 OS 1.1.1 Addendum

Trigon-6 OS version 1.6.7 adds a number of new features not covered in the main Operation Manual.

New Features in OS 1.1.1

- Support for MPE (MIDI Polyphonic Expression). This enables the Trigon-6 keyboard and module to respond to MPE-driven controllers such as the LinnStrument®, Expressive E Osmose®, and Roli Seaboard® series, to name just a few.
- Bug Fix: Arp beat sync now works correctly.
- Bug Fix: Osc 2 now follows alternate tuning scales.

Checking Your Operating System Version

If you've just purchased your Trigon-6 new, OS 1.1.1 may already be installed. If not, and you want to use the new features just described, you'll need to update your OS to version 1.1.1 or later.

To update your Trigon-6 OS, you'll need a computer and a USB cable, or a MIDI cable and MIDI interface. To download the latest version of the Trigon-6 OS along with instructions on how to perform a system update, visit the Sequential website at:

https://www.sequential.com/updating-the-Trigon-6-os/

To check your OS version:

1. Turn on your Trigon-6. The OS version number is briefly displayed in the main bank/program display (after the 6 is displayed).
2. If your OS is out of date, download the latest version from the URL above and update your instrument using the instructions included with the download.

MPE Support

The Trigon-6 now responds to MIDI Polyphonic Expression. Although the Trigon-6 doesn't output MPE from its own keyboard, you can connect an MPE driven controller such as the LinnStrument via MIDI to control the Trigon-6. This opens up a new realm of expressive possibilities including polyphonic pitch bends, filter sweeps, volume swells, and more.

To enable MPE operation on the Trigon-6:

1. Press the GLOBALS button once to activate the upper set of parameters.
2. Press program selector button 2 (MIDI Channel).
3. Use the tens/increment button to step through MIDI channels 1-16 until you reach the final setting, **mpe**.
4. Once you've chosen **mpe**, press the GLOBALS button twice to exit.

Once enabled, the six individual voices of the Trigon-6 correspond to MIDI channels 2-7 and are driven by the Lower Zone setup on the connected MPE controller.

Setting MPE Parameter Ranges on The Trigon-6

As with standard Trigon-6 performance parameters such as pitch bend range, you can set a specific range for parameters that respond to MPE commands when MPE is enabled. To do this you will use the special "Page 3" of the Trigon-6's Global parameters.

To access Globals Page 3:

- Hold down the bank button and press the GLOBALS button once.

Both Globals LEDs light simultaneously, indicating that Page 3 of Global parameters is active.

To set the master MPE pitch bend range:

1. Hold down the bank button and press the globals button once to activate Page 3 of the Globals menu.
2. Press program selector button 0 (Transpose).
3. Use the BANK and TENS buttons (decrement/increment) to set the desired range, from 1-96 semitones. A setting of 2 semitones is the default.
4. When finished, press the GLOBALS button once to exit. The master pitch bend range setting now overrides an individual program's pitch bend setting when MPE is on.

To set the per-voice MPE pitch bend range:

1. Hold down the bank button and press the GLOBALS button once to activate Page 3 of the Globals menu.
2. Press program selector button 1 (Master Tune).
3. Use the BANK and TENS buttons (decrement/increment) to set the desired range, from 1-96 semitones. A setting of 48 semitones is the default.
4. When finished, press the GLOBALS button once to exit.

Per-voice pitch bend for Trigon-6 voices 1-6 now responds to pitch bend on each MIDI channel, 2-7.

To set the MPE controller's Y-Axis destination on the Trigon-6:

1. Hold down the BANK button and press the GLOBALS button once to activate Page 3 of the Globals menu.
2. Press program selector button 2 (MIDI Channel).
3. Use the BANK and TENS buttons (decrement/increment) to set the desired destination on the Trigon-6. Choices are low-pass filter cutoff, pulse width 1, pulse width 2, pulse width 3, pulse width 1+2, and pulse width all (LPF, PU1, PU2, PU3, PU12, PUa).
4. When finished, press the GLOBALS button once to exit.

To set the MPE controller's Y-Axis Mode for the Trigon-6:

1. Hold down the bank button and press the GLOBALS button once to activate Page 3 of the Globals menu.
2. Press program selector button 3 (MIDI Clock).
3. Use the BANK and TENS buttons (decrement/increment) to set the desired Y-Axis mode for the Trigon-6. Choices are unipolar or bipolar (uni, bi).
4. When finished, press the GLOBALS button once to exit.

In unipolar mode, CC74 affects the destination by adding a range of 0-127. In bipolar mode it adds a range of -63/+63 with 64 as a the "0" point.

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