

Enhancements

- The Tempo mode has been separated from the ModBlock mode, and can now be set to Global or Program separately from the Mod Block. The new setting can be found at SETUP/TEMPO/MODE. Setting this to Program will update the tempo when a program is loaded. Setting this to Global will retain the current tempo when loading a new program.
- User defined scales have been added to the diatonic pitch-shifting algorithms: Diatonic2(#163), Diatonic4(#167), DualDiatonic(#165), and Diatonic+Verb8(#185). This feature works in the same manner as the Eventide H3000: A custom shift interval can be defined for each note on the chromatic scale. The user defined mode is activated by setting the pitch parameter to its last settings – “User Scale 1” and “User Scale 2”.
- Midiclock output function added. Midiclock output is disabled by default. To enable, go to SETUP/MIDI/SYSEX/CLK OUT.

Fixes

- Issue of sample rate converter sometimes not locking to AES and S/PDIF inputs fixed.
- Digital noise bursts at startup eliminated
- Modal dialogs and “press any key to continue” boxes now respond to remote keypresses sent via midi and transmit midi keypress messages for responses.
- Spelling correction to preset #164 name - MultiShift2
- Distortion at high filter frequencies in the Dual Mod Filter and Dual Samp/Hold algorithms fixed.
- Minimum glide rate setting reduced on the diatonic pitch shifters to allow for sufficiently fast glide times over large intervals made possible by some user defined scale settings. Default setting has been changed to 0.001 seconds.
- Fixed audio dropouts that occurred on both the analog and digital outputs for about one second every few hours on some Eclipses.
- Mod Block input 2 is now working properly. This fix requires the setup to be cleared before taking effect.
- Eclipse no longer requires a reboot to recognize changes after removing a Compact Flash card, modifying it on another system (i.e. Mac, PC, another Eclipse) and then re-inserting it into Eclipse.
- T_xxxx parameters are now updated properly when loading presets. In previous versions, these parameters sometimes retained their previously saved values, rather than properly updating to the current tempo.
- The darkening effect (low-pass filtering) that occurred during repeated looping in algorithms Loop10(#118), Loop20(#119), and DualLoop10(#121) has been fixed. High frequencies are no longer attenuated during repeated loop passes.
- Significant high frequency (11-12kHz) noise artifacts that occurred at sample rates of 48kHz and below have been removed from the FMTremelo (#129) and FMPan(#128). Subtle reductions of noise artifacts in other algorithms with low frequency oscillators (lfo's) have been made.