BIM REVISION 1.3
OTO Machines - april 2018

BIM revision 1.3 adds new features, improves TAP tempo and MIDI sync, and fixes some bugs.

1. NEW FEATURES:

1.1/ New FX Types : REVERSE and THRU.
The FX TYPE parameter has now 6 settings : Normal, Dual, Disto, Lo-Fi, Reverse and Thru.
REVERSE simply read the content of the Delay backwards, with short fade-in and fade-out to avoid « click » noises.
THRU let you use the whole BIM circuitry (input gain, filters and 12-bit AD & DA conversion) but without delay. RATE, DEPTH and F-BACK pots are inactive in this mode.

1.2/ TAP DISPLAY : TAP tempo display can be set to ON or OFF.
This setting is accessible by pressing the TAP switch while powering BIM on.
Each time you press the TAP switch while powering BIM on, the TAP display is alternatively set to ON or OFF. This setting is kept in memory.

2. IMPROVEMENTS:

Improvement of the accuracy of TAP tempo, MIDI beat clock and FREEZE.
TAP tempo has a better behaviour, the tempo is captured after 2 taps.
The synchronisation of delay times when using MIDI Beat Clock is improved.
Please note that due to the technology used in BIM it's not possible to get FREEZE perfectly synced for a long time.

3. BUG FIXES:

3.1/ AUX mode: Spillover and Aux mode were not working well, espcially after changing the ACTIVE mode parameter or after a preset load.

3.2/ The delay time was unstable for a short time after a MIDI stop and play, thus creating some audio artefacts. Now the delay time is not reset after a MIDI Play or Stop.

3.3/ TAP Tempo display was not effective in « TAP to LFO » and « TAP to BOTH » modes.

3.4/ IN GAIN parameter was corrupted after a « TAP to LFO ».

3.5/ « LFO Division » was not working after a change in setting. Needed to tap the tempo again.