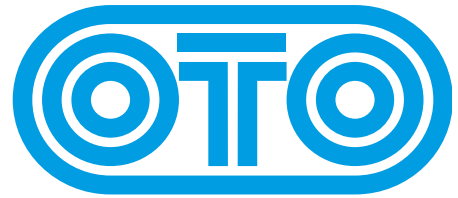


BIM USER MANUAL ADDENDUM

OTO Machines - January 2024



This document lists all the new features, improvements and bug fixes added since the printed User Manual included in the packaging or available on the OTO website.

BIM REVISION 1.5 / 2.5 (January 2024)

1. NEW FEATURES :

1.1 : New FX Type : SAMPLE RATE REDUCER (SRR).

The FX TYPE parameter has now 7 settings : Normal, Dual, Disto, Lo-Fi, Reverse, Thru and SRR.

The SRR FX recreates a bug that sometimes appeared after switching BIM on or when tapping a slow tempo.

The DELAY pot controls the sample rate from 20 kHz (DELAY pot at zero) down to 2 kHz (DELAY pot full). The TAP Tempo and MIDI Beat Clock sync are not active when SRR is selected.

1.2 : MIDI CC no. 93 is assigned to the TAP Tempo.

The CC value has no effect, each CC no. 93 sent to BIM is equivalent to pressing the TAP switch.

1.3 : You can dim the brightness of the 8 switches.

Press FX TYPE switch while powering BIM on.

The DATA pot now controls the brightness in 4 steps.

When you are ok with the brightness, swith BIM off and on.

This setting is kept in memory.

The brightness dim function is not applied on the submenus (Active mode, Display mode, ...), the Preset save mode and the MIDI menu.

2. IMPROVEMENTS:

2.1 : On previous revisions, when you tap a Tempo on the TAP switch, the Quarter Note was automatically selected.

You can deactivate this feature (called « TAP Mode ») by pressing TAP and DIVISION switches while powering BIM on.

Each time you press TAP and DIVISION switches while powering BIM on, the « TAP Mode » is alternatively set to ON or OFF. This setting is kept in memory.

2.2 : On previous revisions, unused spaces of RAM memory was not cleared when you change the RANGE setting, when you tap a new tempo or when you load presets.

This can lead to the replay of old sounds (called « ghost sounds ») that can be annoying or creative, depending on the situation.

You can now decide to keep these « ghost sounds » or not by pressing DIVISION switch while powering BIM on.

Each time you press the DIVISION switches while powering BIM on, the « Ghost Mode » is alternatively set to ON or OFF. This setting is kept in memory.

2.3 : On previous revisions the first displayed preset number after startup was always 1.1, regardless of the last preset loaded or saved before BIM was turned off. The number of the last preset loaded or saved before BIM was turned off is displayed when you press PRESET after a power up. This is useful if you want to know which preset was used before BIM was turned off.

3. BUG FIX:

Tapping a Tempo under 55 BPM now sets the correct delay time.

BIM REVISION 1.4 / 2.4 (April 2021)

BUG FIX:

MIDI CC and PGM CHGE messages were not working well under certain circumstances.

BIM REVISION 1.3 / 2.3 (April 2018)

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 the FREEZE function perfectly synced for a long time.

3. BUG FIXES:

3.1 : AUX mode: Spillover and Aux mode were not working well, especially 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.