

## **ADDENDUM/ERRATA FOR MF-105M MIDI MuRF User's Manual**

August 14, 2009

*Please make note of the following changes and additions to the MF-105M MIDI MuRF not covered in the User's Manual:*

Gain of 110Hz Bass filter: Note that the gain of this filter may seem much stronger than the others, especially with a bass heavy input signal - you may find it necessary to scale back the slider for this filter for more even frequency response, or turn it all the way up for maximum boom.

ANIMATION, *Refer to P.11:* BASS Pattern 1 and MIDS Pattern 1 (pattern 13) can not be edited by the user – they are always without animation, so there are 22 User-editable patterns in the MIDI MuRF.

MIDI Clock Sync: The MIDI MuRF syncs to the MIDI Clock at the Clock division set by the Rate control Knob or a CC9 message. It does not default to syncing at a quarter note. Keep this in mind if the MIDI MuRF is synced to clock, but you are getting a different rhythm. See page 19 of the user's manual for clock division details.

MIDI Note Priority – *p. 22 first paragraph:* "Trigger mode and Sustained mode can be used at the same time, with last the note played taking priority for the corresponding filter. *P.22 third paragraph:* A Step mode note (Note On 108) received after Sustained or Trigger Mode Notes will place the MIDI MuRF back into Step mode.

*Additional MIDI features: Several additional MIDI features have been added that are not included in the User's Manual:*

CC68: "Staccato Mode" OFF/ON (0-63 = OFF, 64-127 = ON). This mode changes the way envelopes behave in "triggered mode" (MIDI notes 48, 50, 51, 53, 55, 57, 59 or 60)...if OFF (which is the default), then the envelopes go all the way through their attack and decay no matter how briefly you hold the MIDI note. If "staccato mode" is ON, then the envelopes play all the way out if you hold down the MIDI note, but if you release the MIDI note the envelope goes immediately to zero. This is good for quick, sharp little notes or for using a sequencer to control articulation.

CC70: "Envelope Scale". This CC does not change the envelope SHAPE like the Envelope control or CC1, but it expands/compresses the overall duration of the envelope while keeping the same shape. When NOT synced to MIDI Clock, as you adjust the Rate knob the envelope duration is automatically compressed at higher Rates and expanded at lower rates, to preserve a musical envelope response as your sequence changes speed. When Synced to MIDI Clock, the Rate knob becomes a MIDI clock divider and no longer affects the envelope scale itself. Using CC70 you can control the envelope time scale independently of the Rate control.

CC90 "pattern reset" - any CC90 message received will reset the pattern to the beginning (step 1). This is useful for re-synchronizing the pattern to an off-beat while you are in MIDI sync. Note that the pattern also starts from the beginning when a MIDI Clock Start message is received.

CC20-27: *Refer to 19 of the User's manual.* An additional feature, if the Pattern selected has no Animation (i.e. factory default pattern 1) then upon receiving one of these CC messages, the corresponding filter level is set by that CC value, while all other filter levels are set to ON (before the sliders). If the pattern selected has Animation (i.e. factory default pattern 2) then upon receiving one of these CC messages, the corresponding filter level is set by that CC value, while all other filter levels are set to OFF (before the sliders).