

[PLANNED - NOT IMPLEMENTED IN THE CURRENT MIDIBox AY APPLICATION (!)]

## MIDIBox Fx Option

The MIDIBox **Fx Option** (special sound effects option) is needed for more complex sound creation. With the MIDIBox AY **Fx Option** it is possible to do timed sound modifications.

### Concept:

You can enable the **Fx Option** via the **MIXER MENU** [Press Key F3] [switch Fx Option on/off via key A,B,C] (Remember, every Tone has it's own MIDI Channel!). Now that the Fx Option is activated - just **adjust Fx Functions** at the **Fx Menu** [Press F8] ...

### Fx Menu:

- [Fx Function] ⇒ See **Fx Functions list** below
- [Fx Pos ] ⇒ Fx Position (the Fx chart allow 32 (POS 0-31) entries)
- [Fx Time ] ⇒ Adjust the **Fx execution timer**: Wait 0-100 timer cycles **befor** the current Fx execution.
- [Fx Data ] ⇒ Optional **Fx Function Data** (See Fx Functions list below)

### Fx execution workflow:

```

-- -- -- [MIDI: Note On :: Tone A|B|C]
|| MIDI ||
|| Note On \
|| [play the user adjusted sound :: Tone A|B|C]
|| \
\ \
-- -- -- [Fx Option On :: Tone A|B|C]
|| [Execute the timed Fx Functions]
||
||
|| Fx ||
||
|| End of Fx execution:
|| 1) When a "End Fx" Function appear
|| 2) When a MIDI "Note Off" event appear
\ \ 3) After Fx Pos. 31 (31 => last Fx
Position)
-- -- --
||
||
. . .
||

```

```

|| Fx Loop
|| (GO Fx POS)
||
||
||
\ /

```

```

||
||
||
||
\ / Fx Loop (end via MIDI Note Off)

```

## Fx Functions list

```

00 => End Fx [End of Fx Tab (Fx Off)]
01 => On Tone A
02 => Off Tone A
03 => On Tone B
04 => Off Tone B
05 => On Tone C
06 => Off Tone C
07 => +Tune A [Data: 0-255]
08 => -Tune A [Data: 0-255]
09 => +Tune B [Data: 0-255]
10 => -Tune B [Data: 0-255]
11 => +Tune C [Data: 0-255]
12 => -Tune C [Data: 0-255]
13 => Vol.A [Data: 0-15 ]
14 => Vol.B [Data: 0-15 ]
15 => Vol.C [Data: 0-15 ]
16 => On Noise A
17 => Off Noise A
18 => On Noise B
19 => Off Noise B
20 => On Noise C
21 => Off Noise C
22 => Noise Frq. [Data: 0-31 ]
23 => ENV ON (global Envelope Mode On)
24 => ENV OFF (global Envelope Mode Off)
25 => ENV Sh. [Data: 0-15 ]
26 => ENV Fine [Data: 0-255]
27 => ENV Coar [Data: 0-255]
28 => WRITE NOTE ON #1 ==> Tone A (*)
29 => WRITE NOTE ON #2 ==> Tone A
30 => WRITE NOTE ON #3 ==> Tone A
31 => WRITE NOTE ON #1 ==> Tone B
32 => WRITE NOTE ON #2 ==> Tone B
33 => WRITE NOTE ON #3 ==> Tone B
34 => WRITE NOTE ON #1 ==> Tone C
35 => WRITE NOTE ON #2 ==> Tone C
36 => WRITE NOTE ON #3 ==> Tone C
37 => GO Fx POS [Data: 0-31 => POS 0 to 31] With this Function

```

You can create **\*\*Fx Function Loops\*\*** :-)

(\*)

Every time when a **Note On** event occur the **MIDI Note** will be written to ⇒ MIDI Note On #1. MIDI Note On #1 will be written to MIDI Note On #2, MIDI Note On #2 will be written to MIDI Note On #3. This will enable **“Chord Arpeggios”** [via Fx Option]

(Date: 18.09.2009)

From:

<http://wiki.midibox.org/> - **MIDIbox**

Permanent link:

[http://wiki.midibox.org/doku.php?id=midibox\\_ay\\_3\\_8912\\_fx&rev=1242741825](http://wiki.midibox.org/doku.php?id=midibox_ay_3_8912_fx&rev=1242741825)



Last update: **2009/05/19 15:03**