Fractalaudio MFC-101 Programming for the Fractalaudio Axe-Fx III

The MFC-101 as generic MIDI controller for controlling with the Axe-Fx III.

A DEMONSTRATION VIDEO CAN BE FOUND HERE: https://www.cabir.eu/content/13-mfc101-for-axefx3

References to menu item Entries in the MFC-101 operating instructions refer to the English-language **MFC-101 MIDI Foot Controller Owner's Manual Version 2.01**

Introduction:

THE GOOD: WHAT'S POSSIBLE

Anyone who thinks that the MFC-101 can no longer be used to control the Axe-Fx III in a practical way is mistaken. Besides the MFC-101 `Axe-Fx Mode` for bidirectional communication, the MFC-101 is also an extremely powerful generic MIDI controller. And we take advantage of this:

In this tutorial you will find step-by-step instructions in 5 steps on how to configure the MFC-101 so that you can control the following functions of the Axe-Fx III and always keep track of current switching states.

- **Call up any 48 Axe-Fx III Presets**
- **8 Axe-Fx III scenes Switches**
- **17 IA Axe-Fx III FX bypass, FX channel or Tempo TAP switches**

All functions `IN SYNC` with the Axe-Fx III: MFC-101 IA switch LEDs always display the current bypass or channel status of assigned Axe-Fx III FX blocks.

The physical connection is via a One-Way MIDI connection:

MFC-101 MIDI OUT -> AXE-FX III MIDI IN.

On the last page you will find for download:

MFC-101 Original/MKII default configuration.syx and matching **Axe-Fx III Systemdaten.syx** in a ZIP file. You can install both on your devices with Axe-fx Fractal-Bot and you are ready to go.

THE BAD: WHAT DOESN'T WORK

Fractalaudio's MFC-101 does not support `Axe-Fx mode` for the latest Axe-Fx III, eliminating the possibility of bi-directional data communication, which means that the following functions of the MFC-101 are not supported in conjunction with the Axe-Fx III:

No MFC-101 support for the Axe-Fx III for the following settings:

12.4 The MIDI Menu
12.4.0 MFC-101 Port [Expansion, Faslink]
12.4.2 Axe-Fx TotalSync
12.4.7 IA Switch Axe-Fx Functions
12.4.3 Axe-Fx Preset Transmit Map

12.5 The Setup Menu
12.5.0 Axe-Fx Mode [Standard, Ultra, II, XL, XL+]
12.5.2 Axe-Fx Display Offset
12.5.20 Hold Axe-Fx Tempo for Tuner
12.5.21 Axe-Fx Instant Access Switch LED Off State
12.5.24 Looper Control

Reference: MFC-101 MIDI Foot Controller Owner's Manual Version 2.01
https://www.fractalaudio.com/downloads/manuals/mfc-101/MFC-101-Owners-Manual.pdf

Axe-Fx III SETUP: MIDI/Remote

To remotely control the Axe-Fx III via MIDI commands of the MFC-101, the MIDI channel on which the MIDI communication takes place must be defined. Likewise, all control units you want to address must be assigned corresponding (unique) Control Change Numbers (CC#). Up to 127 unique CC`s# can be assigned. By default, they are all off (NONE), because there are many more entries in the Axe-Fx III than the 127 that can be assigned. Here is my suggestion for a default CC# assignment and further settings, which should normally be sufficient to control the Axe-Fx III without conflicts with the MFC-101. All 127 possible uniquen CC# were assigned. If you need CC# for other entries, you can of course adapt the CC# assignment to your individual needs.

Under SETUP -> Global Settings -> Config -> I recommend to set default Scene to 1.

STEP 1: Axe-Fx III: SETUP -> MIDI/Remote Menu [Axe-Fx III Manual: 12 Setup Menu | THE MIDI/REMOTE MENU]:

General	
GENERAL	
MIDI Channel	1
Display Offset	1
Scene Revert	ON
Eff. Bypass Mode	VALUE
PC CONFIGURATION	
Program Change	ON
Ignore Redundant PC	ON
Send MIDI PC	OFF
MIDI PC Offset	0
PC Mapping	OFF

General	
INITIAL VALUE	
External Control 1	100%
External Control 2	0%
External Control 3	0%
External Control 4	0%
External Control 5	0%
External Control 6	0%
External Control 7	0%
External Control 8	0%
External Control 9	0%
External Control 10	0%
External Control 11	0%
External Control 12	0%
External Control 13	0%
External Control 14	0%
External Control 15	0%
External Control 16	0%

External	CC#
External Control 1	1
External Control 2	2
External Control 3	3
External Control 4	4
External Control 5	5
External Control 6	6
External Control 7	7
External Control 8	8
External Control 9	9
External Control 10	10
External Control 11	11
External Control 12	NONE
External Control 13	NONE
External Control 14	NONE
External Control 15	NONE
External Control 16	NONE

Looper	CC#
Record	123
Play	124
Undo	125
Once	126
Reverse	127

Other	CC#
Tempo Tap	13
Tuner	120
SCENE	
Scene Select	15
Scene Increment	NONE
Scene Decrement	NONE
I/O	
Input 1 Volume	NONE
Input 2 Volume	NONE
Input 3 Volume	NONE
Input 4 Volume	NONE
Output 1 Volume	121
Output 2 Volume	NONE
Output 3 Volume	NONE
Output 4 Volume	NONE

Initial Value 100% for External Control 1: External Control 1 I use for the expression pedal, which controls the volume of the VOLUME 1 block. This Block is always placed between amp block and post amp effects such as delay and reverb and is always active. My "Master Volume" pedal. That's why I didn't give a CC# entry for VOLUME1 BYPASS, because it is always active and is not switched on or off.

Bypass	even CC#	Channel	uneven CC#
Amp 1	16	Amp 1	17
Amp 2	18	Amp 2	19
Cabinet 1	20	Cabinet 1	21
Cabinet 2	NONE	Cabinet 2	NONE
Chorus 1	22	Chorus 1	23
Chorus 2	24	Chorus 2	25
Compressor 1	26	Compressor 1	27
Compressor 2	28	Compressor 2	29
Compressor 3	NONE	Compressor 3	NONE
Compressor 4	NONE	Compressor 4	NONE
Crossover 1	30	Crossover 1	31
Crossover 2	NONE	Crossover 2	NONE
Delay 1	32	Delay 1	33
Delay 2	34	Delay 2	35
Delay 3	NONE	Delay 3	NONE
Delay 4	NONE	Delay 4	NONE
Drive 1	36	Drive 1	37
Drive 2	38	Drive 2	39
Drive 3	NONE	Drive 3	NONE
Drive 4	NONE	Drive 4	NONE
Enhancer 1	40	Enhancer 1	41
Enhancer 2	NONE	Enhancer 2	NONE
Filter 1	42	Filter 1	43
Filter 2	44	Filter 2	45
Filter 3	46	Filter 3	47
Filter 4	48	Filter 4	49
Flanger 1	50	Flanger 1	51
Flanger 2	NONE	Flanger 2	NONE
Formant 1	52	Formant 1	53
Formant 2	NONE	Formant 2	NONE
Gate 1	54	Gate 1	55
Gate 2	NONE	Gate 2	NONE
Gate 3	NONE	Gate 3	NONE
Gate 4	NONE	Gate 4	NONE
Graphic EQ 1	56	Graphic EQ 1	57
Graphic EQ 2	58	Graphic EQ 2	59
Graphic EQ 3	60	Graphic EQ 3	61
Graphic EQ 4	62	Graphic EQ 4	63

Bypass	even CC#	Channel	uneven CC#
Mixer 3	NONE	Mixer 3	NONE
Mixer 4	NONE	Mixer 4	NONE
Multiband Compressor 1	72	Multiband Compressor 1	73
Multiband Compressor 2	NONE	Multiband Compressor 2	NONE
Multiplexer 1	74	Multiplexer 1	75
Multiplexer 2	NONE	Multiplexer 2	NONE
Multitap Delay 1	76	Multitap Delay 1	77
Multitap Delay 2	NONE	Multitap Delay 2	NONE
Output 1	NONE	Output 1	NONE
Output 2	NONE	Output 2	NONE
Output 3	NONE	Output 3	NONE
Output 4	NONE	Output 4	NONE
Parametric EQ 1	78	Parametric EQ 1	79
Parametric EQ 2	80	Parametric EQ 2	81
Parametric EQ 3	82	Parametric EQ 3	83
Parametric EQ 4	84	Parametric EQ 4	85
Phaser 1	86	Phaser 1	87
Phaser 2	88	Phaser 2	89
Pitch 1	90	Pitch 1	91
Pitch 2	92	Pitch 2	93
Plex Delay 1	94	Plex Delay 1	95
Plex Delay 2	NONE	Plex Delay 2	NONE
Realtime Analyzer 1	NONE		
Resonator 1	96	Resonator 1	97
Resonator 2	NONE	Resonator 2	NONE
Return 1	NONE		
Return 2	NONE		
Reverb 1	98	Reverb 1	99
Reverb 2	100	Reverb 2	101
Ring Modulator 1	102	Ring Modulator 1	103
Rotary 1	104	Rotary 1	105
Rotary 2	NONE	Rotary 2	NONE
Scene MIDI	NONE		
Send 1	NONE		
Send 2	NONE		
Synthesizer 1	106	Synthesizer 1	107
Synthesizer 2	NONE	Synthesizer 2	NONE
Ten-Tap Delay 1	108	Ten-Tap Delay 1	109

Bypass	even CC#
Input 1	64
Input 2	66
Input 3	NONE
Input 4	NONE
Input USB	NONE
Looper 1	122
Megatap 1	68
Megatap 2	NONE
Mixer 1	70
Mixer 2	NONE

Channel	uneven CC#
Input 1	65
Input 2	67
Input 3	NONE
Input 4	NONE
Input USB	NONE
Megatap 1	69
Megatap 2	NONE
Mixer 1	71
Mixer 2	NONE

Bypass	even CC#
Ten-Tap Delay 2	NONE
Tone Match	12
Tremolo/Panner 1	110
Tremolo/Panner 2	NONE
Vocoder 1	14
Volume 1	NONE
Volume 2	112
Volume 3	114
Volume 4	116
WahWah 1	118
WahWah 2	NONE

Channel	uneven CC#
Ten-Tap Delay 2	NONE
Tremolo/Panner 1	111
Tremolo/Panner 2	NONE
Volume 1	NONE
Volume 2	113
Volume 3	115
Volume 4	117
WahWah 1	119
WahWah 2	NONE

Now the Axe-Fx III is ready and the basis is set to prepare the MFC-101 in the next step and program it to match the CC# values set above!

MFC-101: Preparations

STEP 2: MFC-101: EDIT->SETUP

We make the following settings in the **MFC-101 SETUP Menu**:

EDIT -> SETUP	
12.5.0 Axe--Fx Mode	NONE
12.5.1 Performance Mode	PRESET
12.5.2 Axe--Fx Display Offset	1
12.5.3 MFC--101 Display Offset	1
12.5.4 MIDI Channel Display Offsets	1
12.5.5 MIDI Channel Names	as wanted, if needed
12.5.6 Bank Size	8
12.5.7 Bank Style	FIRST
12.5.8 Bank/Song Limit	48
12.5.9 Bank/Song Wrap	OFF
12.5.10 IA Switch Types	TOGGLE [for FX BYPASS/CHANNEL & TUNER] MOMENTARY [for TAP Tempo]

EDIT -> SETUP	
12.5.11 Global IA Switch Setup	NO
12.5.12 IA Switch Send w/ Preset	YES
12.5.13 IA Switch Names	as wanted, if needed
12.5.14 IA Switch Link Settings	not in use
12.5.15 Send IA Switch Link OFF Messages	Yes
12.5.16 Internal CC Names	as wanted, if needed
12.5.22 Save Edits Switch	ON

Axe-Fx Mode NONE means that we use the MFC-101 as generic MIDI controller, because the Axe-Fx III is not supported for Axe-Fx Mode.

BankSize determines how many scenes you can control per preset, here 8. De facto we use each MFC-101 bank for ONE Axe-Fx III preset, which we select directly by BANK UP/DOWN (**BankStyle** = FIRST). IA Switches used for FX BYPASS or FX CHANNEL or TUNER are set to TOGGLE. An IA Switch, which we use for Tempo, is set to MOMENTARY.

With the **Save Edits Switch** to ON we enable us to define the status of the global IA switches for each preset and scene and to store them directly in the MFC-101 using the EDIT/SAVE button. We program each IA switch per scene on the MFC-101 and store it. The Axe-Fx III assumes this status per scene, so it is also recommended to save the Axe-Fx III preset after programming is complete. Thus, MFC-101 and Axe-Fx III are now always running `IN SYNC`. For this to work, **IA Switch Send w/ Preset** must be configured to YES.

STEP 3: MFC-101: EDIT->MIDI

We make the following settings in the **MFC-101 MIDI Menu**:

EDIT -> MIDI	12.4 The MIDI Menu
12.4.0 MFC--101 Port	MIDI
12.4.1 Axe--Fx MIDI Channel	1
12.4.4 MFC--101 MIDI Receive Channel	OFF
12.4.5 MFC--101 Receive Program Change	OFF
12.4.6 MFC--101 Program Change Map	no mapping (000 = 000;…)
12.4.8 IA Switch Control Change (CC#) Settings	**Set c1 CC#** to the corresponding MIDI function from the Axe-Fx III MIDI/Remote menu. Use Ch01 (MIDI channel of the Axe-Fx III). **Set c2 CC#** to OFF or to the corresponding MIDI function from the Axe-Fx III MIDI/Remote menu, if a second function should always be controlled with c1 CC#.
12.4.9 IA Switch Control Change ON/OFF Values	OFF 000 | ON 125 for FX BYPASS; TUNER; FX CHANNEL A/B IA Sw. OFF OFF | ON 125 for TAP Tempo IA Sw.

EDIT -> MIDI	12.4 The MIDI Menu
12.4.10 IA Switch Program Change Settings	IA01-17 | pOF | PC#OFF
12.4.11 IA Switch Custom MIDI Messages	S01 OF
12.4.12 Internal Control Change Settings	IntCC 01-08 = SCENE# Ch01 IntCC 09-17 = OFF
12.4.13 Internal Control Change ON/OFF Values	IntCC 01 OF OFF ON 000 IntCC 02 OF OFF ON 001 IntCC 03 OF OFF ON 002 IntCC 04 OF OFF ON 003 IntCC 05 OF OFF ON 004 IntCC 06 OF OFF ON 005 IntCC 07 OF OFF ON 006 IntCC 08OF OFF ON 007

MFC-101 MIDI Port = MIDI: The MFC-101 must control the Axe-Fx via MIDI. We connect MFC-101 MIDI OUT -> Axe-Fx III MIDI IN. Axe-Fx MIDI Channel: We set MIDI channel 1 because the Axe-Fx III has also been set to MIDI channel 1.

Instead of the global **12.4.7 IA Switch Axe-Fx Functions** we use the generic global **12.4.8 IA Switch Control Change** (CC#) settings. By specifying the CC# number, we determine which Axe-Fx III controller is addressed (e.g. FX BYPASS, FX CHANNEL, TEMPO, TUNER, etc.). The assignments which CC# number addresses which Axe-Fx III control unit are made in the Axe-Fx III under SETUP: MIDI/Remote.

STEP 4: MFC-101: EDIT->PRESET

We prepare the presets: MFC-101 PRESET Menu:

For preparation we now switch off ALL PC#, the 17 global IA Switch CC# and the 17 global Internal CC# (IntCC#) in all MFC-101 presets. This ensures that no unwanted and unnecessary MIDI commands are sent to the Axe-Fx III in the future when an MFC-101 switch is operated. To make life easier, we prepare the first MFC-101 preset and copy it to the other MFC-101 presets of MFC-101 Bank 1 (Preset 001 - 008 with **BankSize** = 8). Then we program the scenes 1 to 8 commands for the first 8 presets in Bank 1, then copy Bank 1 to all other banks:

STEP 4.1: Clear MFC-101 Preset 001 MIDI Commands

CLEAR PRESET 001	12.1 The Preset Menu
12.1.0 Select Preset	1
12.1.1 Preset Name	SCENE 1
12.1.2 Preset Program Changes	Ch 01-16: OFF
12.1.3 Alternate Preset	OFF (or as wanted)
12.1.4 Preset Instant Access Switch States	IASw 01-17 OFF
12.1.5 Preset Internal Control Change States	Internal CC 01-17 OFF
12.1.6 Preset Custom MIDI Message	Custom 1 -- -- -- --

STEP 4.2: Copy MFC-101 Preset 001 to all other Presets in MFC-101 Bank 1

COPY PRESET 001 up to 008	12.3 The Copy Menu
CopyPrst 001	to 002
CopyPrst 001	to 003
CopyPrst 001	to 004
CopyPrst 001	to 005
CopyPrst 001	to 006
CopyPrst 001	to 007
CopyPrst 001	to 008

STEP 4.3: Adjust the **12.1.1 Preset Name**s for presets 002 to 008

Rename Preset | Preset Name	12.1.1 Preset Name
001 | SCENE 1	SCENE 1
002 | SCENE 1	SCENE 2
003 | SCENE 1	SCENE 3
004 | SCENE 1	SCENE 4
005 | SCENE 1	SCENE 5
006 | SCENE 1	SCENE 6
007 | SCENE 1	SCENE 7
008 | SCENE 1	SCENE 8

STEP 4.4: Programming SCENE 1 to 8 for Preset 001 to 008

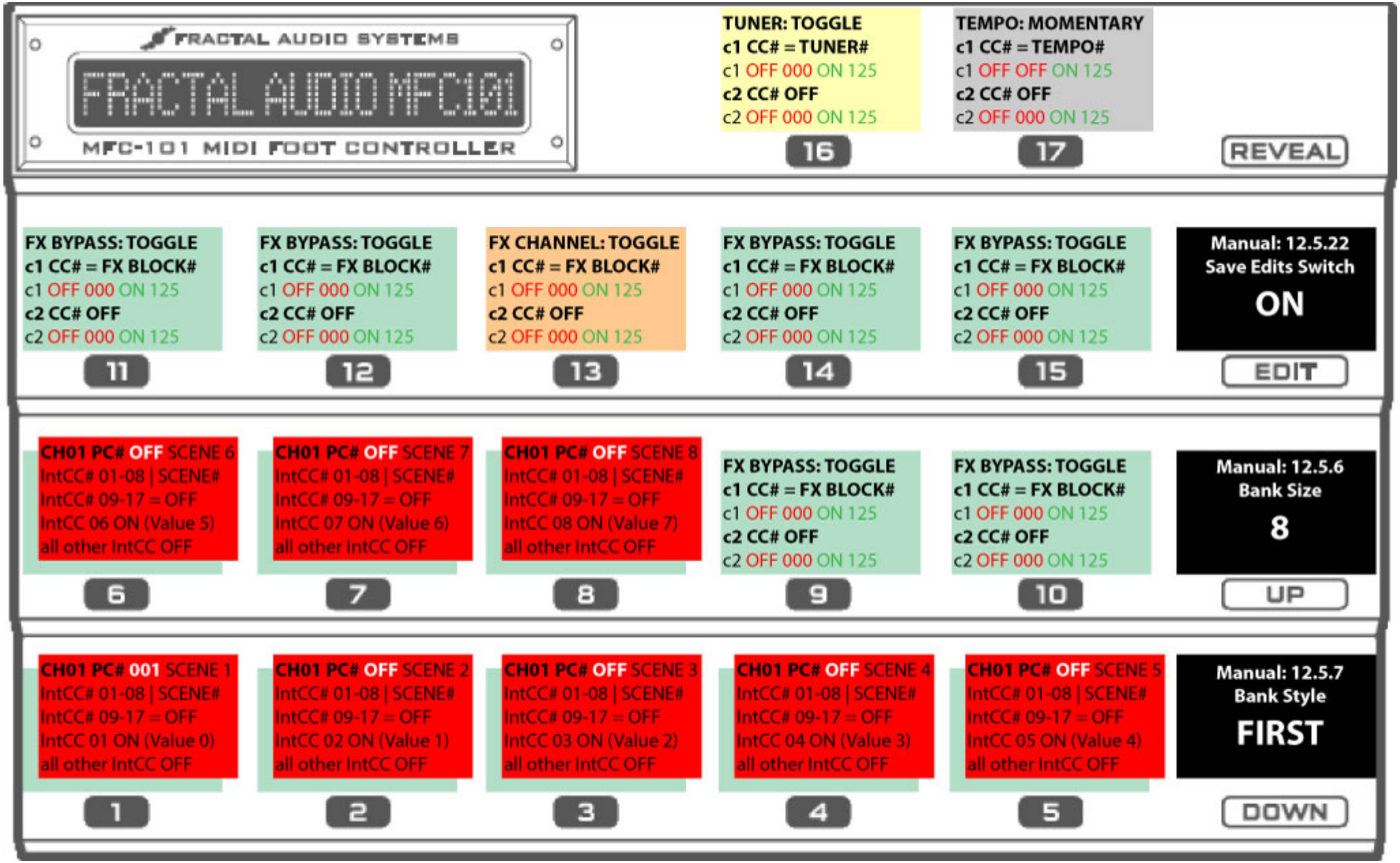
12.1.5 Preset Internal Control Change States	Value
Preset 001	Set ONLY Internal CC 01 = ON
Preset 002	Set ONLY Internal CC 02 = ON
Preset 003	Set ONLY Internal CC 03 = ON
Preset 004	Set ONLY Internal CC 04 = ON
Preset 005	Set ONLY Internal CC 05 = ON
Preset 006	Set ONLY Internal CC 06 = ON
Preset 007	Set ONLY Internal CC 07 = ON
Preset 008	Set ONLY Internal CC 08 = ON

STEP 4.5: Copy MFC-101 Bank 001 to all other MFC-101 Banks

12.3.1 Copy Bank	Value
Bank 001	to 002
Bank 001	to 003
Bank 001	to 004
Bank 001	to 005
Bank 001	to 006
Bank 001	to 007
…	…
Bank 001	to 048

READY 😊 Now your MFC-101 and your Axe-Fx III is set up so that we can take the final step: The configuration of your Axe-Fx III presets you want to control with the MFC-101.

Programming an MFC-101 bank to control 1 Axe-Fx III preset with 8 scenes (BankSize = 8)



STEP 5: ASSIGN AN AXE-FX III PRESET TO AN MFC-101 BANK

CH01 PC# 001 SCENE 1
IntCC# 01-08 | SCENE#
IntCC# 09-17 = OFF
IntCC 01 ON (Value 0)
all other IntCC OFF

1) Choose the MFC-101 Bank by selecting BANK UP/DOWN you want to configurate as Axe-Fx III Preset (with 8 Scene switches)
2) Hit EDIT -> PRESET: This jumps you directly into the MFC-101 Preset Menu of the actual MFC-101 Preset
3) Just set this **FIRST Preset (SWITCH 1) from a MFC-101 Bank to an Axe-Fx III Preset (PC#):**
12.1.2 Preset Program Changes: Choose PC# of the wanted Axe-Fx III Preset and save with EDIT/SAVE button.

YOU HAVE ALREADY CONFIGURED THESE IA SWITCHES, BUT HERE AGAIN THE OVERVIEW

FX BYPASS: TOGGLE
c1 CC# = FX BLOCK#
c1 OFF 000 ON 125
c2 CC# OFF
c2 OFF 000 ON 125

12.5.10 IA Switch Types: TOGGLE
FX BYPASS SWITCH: 12.4.8 IA Switch Control Change (CC#) Settings
Select c1 CC# from the Axe-Fx III MIDI/Remote BYPASS Menu
OFF value 000 for Effect bypassed, ON value 125 for Effect engaged

FX CHANNEL: TOGGLE
c1 CC# = FX BLOCK#
c1 OFF 000 ON 125
c2 CC# OFF
c2 OFF 000 ON 125

12.5.10 IA Switch Types: TOGGLE
FX CHANNEL SWITCH: 12.4.8 IA Switch Control Change (CC#) Settings
Select c1 CC# from the Axe-Fx III MIDI/Remote CHANNEL Menu
OFF value 000 for Channel A, ON value 125 for Channel B

TUNER: TOGGLE
c1 CC# = TUNER#
c1 OFF 000 ON 125
c2 CC# OFF
c2 OFF 000 ON 125

12.5.10 IA Switch Types: TOGGLE
TUNER SWITCH: 12.4.8 IA Switch Control Change (CC#) Settings
Select c1 TUNER CC# from the Axe-Fx III MIDI/Remote CHANNEL Menu
OFF value 000 for Tuner OFF, ON value 125 for Tuner ON

TEMPO: MOMENTARY
c1 CC# = TEMPO#
c1 OFF OFF ON 125
c2 CC# OFF
c2 OFF 000 ON 125

12.5.10 IA Switch Types: MOMENTARY
TAP TEMPO SWITCH: 12.4.8 IA Switch Control Change (CC#) Settings
Select c1 TEMPO CC# from the Axe-Fx III MIDI/Remote CHANNEL Menu
OFF value OFF, ON value 125 for Tempo TAP

Synchronicity between MFC-101 and Axe-Fx III

Note: Each call of an MFC-101 preset (which is also used "only" as scene switch) always transmits

- all 17 IntCC# ON/OFF commands (which we programmed for scene selection)
- all 17 global IA switches, because we have configured **12.5.12 IA Switch Send w/ Preset** on YES to keep MFC-101 preset status and Axe-Fx III scene status synchronous
- all Program Changes (PC#), if they have been programmed for the MFC-101 preset. In our case always the first preset of an MFC-101 bank

If you call up an Axe-Fx III preset (or scene) via an MFC-101 preset, all FX BYPASS and FX CHANNEL settings in the Axe-Fx III are overwritten with the IA switch settings currently valid on the MFC-101 for this MFC-101 preset! Therefore, please note the following:

For newly created Axe-Fx III presets, you can select the Axe-Fx scenes directly via the MFC-101 and configure the FX BYPASS and FX CHANNEL settings in the Axe-Fx III directly via corresponding MFC-101 IA switch operations. Then press EDIT/SAVE on the MFC-101 to save the configuration of the scene on the MFC-101 and press STORE->ENTER->ENTER on the Axe-Fx III to save the current switching state of the scene in the Axe-Fx III. READY. Now your MFC-101 and your Axe-Fx III are always in sync.

So you can easily adjust the scene settings of the Axe-Fx III using the MFC-101 instead of the front panel of the Axe-Fx III or Axe-Edit III, which of course only applies to the FX BYPASS and FX CHANNEL settings, which are controlled by the 17 global MFC-101 IA switches.

If you want to synchronize already programmed Axe-Fx III presets or scenes and their FX BYPASS and FX CHANNEL settings with the corresponding MFC-101 preset (or scene), you must NOT select the Axe-Fx III preset via the MFC-101, otherwise all current (and not yet synchronously programmed) settings of the 17 global IA switches of the MFC-101 will immediately overwrite the current preset/scene settings on the Axe-Fx III.

So select the Axe-Fx III preset/scene on the Axe-Fx III itself, interrupt the MIDI connection between MFC-101 and Axe-Fx III and configure the MFC-101 IA switch settings so that they have the same switching state as you can read in the Axe-Fx III layout (ZOOM IN). Make sure that you have always selected the correct MFC-101 preset, which would select the current Axe-Fx III preset/scene with an existing MIDI connection. After you have set all 17 IA switches to ON or OFF according to the corresponding Axe-Fx III preset/scene, save the MFC-101 preset by pressing the EDIT/SAVE button.

LOOPER CONTROL & external XS switches

12.5.24 Looper Control of the MFC-101 is not supported for the Axe-Fx III. Of course, Looper functionality could also be realized via some of the integrated MFC-101 IA switches. But then such switches would no longer be available for other FX BYPASS or FX CHANNEL functions. It should also be considered that LOOPER switching functions can replace each other (e.g.: switching function PLAY ON automatically turns RECORD off!), but not always. No matter if one would establish a switch group on the MFC-101 for the Looper functions (**12.5.14 IA Switch Link Settings** & **12.5.15 Send IA Switch Link OFF Messages**) or not: The switching states of the MFC-101 for the Looper functions would usually not agree with the current function of the Looper.

It would make much more sense to use the 4 external footswitches XS1 to XS4 (**12.4.14 Global External Switch Settings** & **12.4.15 Global External Switch On/Off Values**) Program them according to the CC# entries of the Axe-Fx III SETUP -> MIDI/Remote -> Looper Menu.

Another advantage of using the external XS switches is that they do not need to send unnecessary MIDI switching commands when calling up an MFC-101 preset. The big advantage is that you can not only configure these XS switches globally, but also set the global settings at MFC-101 preset level to settings that differ from the preset. (12.1.7 Preset External Switch Settings & 12.1.8 Preset External Switch On/Off Values). For example, you could program the 4 external XS switches Global as Amp1 Channel A/B/C/D switches and assign looper functions to the external XS switches only for the MFC-101 presets where you want to use the looper.

Additional TIP: Why not switch the channels of Amp1 & Amp2 with the external 4 XS switches? In the Axe-Fx III MIDI/Remote menu, simply assign the same CC# value to CHANNEL AMP2 that is set for CHANNEL AMP1.

Not enough yet? Let's get to the top: In parallel routing, the signal passes through DRIVE1 and AMP1, DRIVE2 and AMP2 in parallel, set the CHANNEL CC# of all 4 FX blocks to the same value and program this CC# value on the XS1 to XS4 switches (with the CC values XS1=0, XS2=1, XS3=2, XS4=3), then switch the channels of all four blocks with the 4 external XS switches. Which means: Each AMP channel has its own drive channel. And it never hurts to have one dedicated drive per amp, does it?! Or even more? Maybe give the CAB1/2 also the same CHANNEL CC# 😉

So have fun controlling your Axe-Fx III with the MFC-101!

Markus from cabIR.eu

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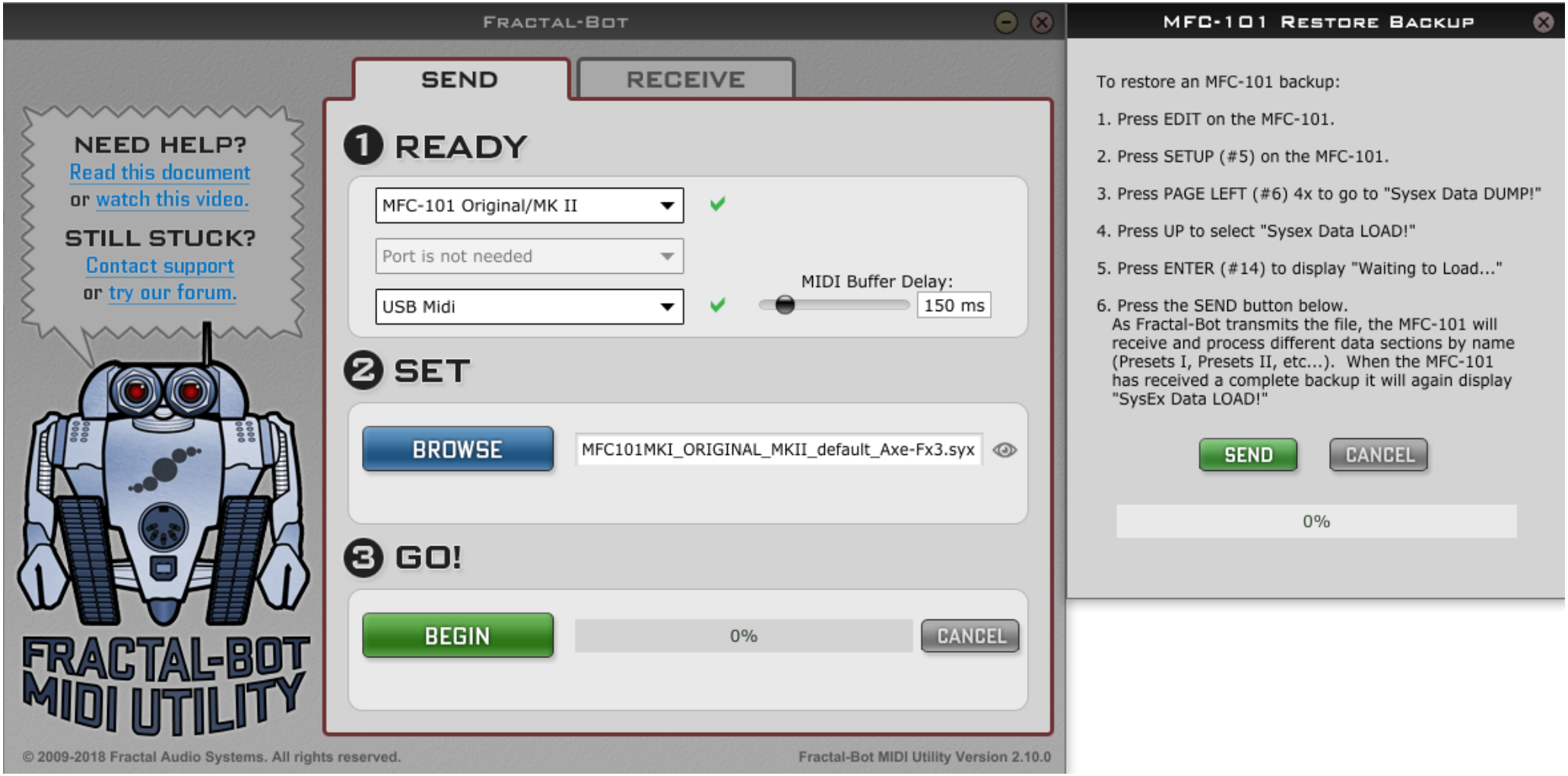
Writing this tutorial for you was a time-consuming job. If it helps you, if you have learned something and with its help you now understand your MFC-101 better and can now program your Axe-Fx III in a meaningful way, then I would be pleased about a little recognition. Maybe you'd like to buy me a pizza? Then I would be very happy about a **PAYPAL donation** from you to **https://www.paypal.me/axefx**!

Thank you
Markus

MFC-101 & Axe-Fx III default MIDI configuration files for download

MFC-101 configuration file: **MFC101MKI_ORIGINAL_MKII_default_Axe-Fx3.syx** *(Tested with MFC-101 Original / FW 3.08)*

Load it onto your MFC with Fractal Bot:



Default settings **MFC101MKI_ORIGINAL_MKII_default_Axe-Fx3.syx**:

MFC-101 Original / MKII default settings:	
4.1 Bank Size	8
SCENES	8 [MFC Switch 1 to 8]
4.2 Bank Style	FIRST
BANK UP/DOWN	select Axe-Fx III Preset (PC#) 001 to 048

default global IA Switches	12.4.8 IA Switch Control Change (CC#) Settings	12.5.13 IA Switch Names	12.4.9 IA Switch Control Change ON/OFF Values	12.5.10 IA Switch Types
IA Switch 01	c1 CC# 110 | c2 CC# OFF	TREMOLO	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 02	c1 CC# 022 | c2 CC# OFF	CHORUS	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 03	c1 CC# 086 | c2 CC# OFF	PHASER	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 04	c1 CC# 050 | c2 CC# OFF	FLANGER	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 05	c1 CC# 104 | c2 CC# OFF	ROTARY	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 06	c1 CC# 034 | c2 CC# OFF	DELAY 2	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 07	c1 CC# 033 | c2 CC# OFF	DLY1A/B	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 08	c1 CC# 042 | c2 CC# OFF	FILTER	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 09	c1 CC# 032 | c2 CC# OFF	DELAY 1	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 10	c1 CC# 094 | c2 CC# OFF	PLXDLY	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 11	c1 CC# 076 | c2 CC# OFF	MTDELAY	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 12	c1 CC# 036 | c2 CC# OFF	DRIVE	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 13	c1 CC# 078 | c2 CC# OFF	PEQ	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 14	c1 CC# 090 | c2 CC# OFF	PITCH	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE
IA Switch 15	c1 CC# 098 | c2 CC# OFF	REVERB	c1 OFF 000 - c1 ON 125 || c2 OFF 000 - c2 ON 125	TOGGLE

Axe-Fx III System settings: AXEIII_MIDIRemote_defaults.syx : Contains all MIDI/Remote CC# presets listed in the tutorial above and corresponds to the MFC101MKI_ORIGINAL_MKII_default_Axe-Fx3.syx configuration file. *(Tested with Axe-Fx III and FW 1.10)*

Notes:

- CC# OFF 000 and ON 125? Yes, because these values work equally for FX BYPASS switches (000 = bypass; 125 = engaged) and FX CHANNEL switches (000 = Ch. A; 125 = Ch. B)! So you don't have to change CC# values, but only select the c1 CC# value from the Axe-Fx III MIDI/Remote table whose function you want to switch. No matter if it should be a FX BYPASS or FX CHANNEL or FX TUNER switch. **Easy!**
- You don't need preset (PC#) 2 on MFC-101 Bank 2, but another one? Use BANK UP/DOWN to select Preset 2 (= MFC-101 Bank 2, FIRST Preset). Click EDIT. Click PRESET. Click 2x page right. Change the preset number (PC# Ch01). Done. **Easy!**

- You want less scene switches? Maybe only 5 instead of the programmed 8? Select Bank1, Preset 1. click EDIT. click SETUP. Right click page to BankSize. Set five. Then copy (EDIT->COPY->Copy Bank) the new Bank 1 (5 Presets or "Scenen") to all available banks of the MFC-101 and configure the preset numbers of the Axe-Fx III, which are to be controlled per bank, as described above. All you have to do is configure the first preset per MFC-101 Bank! **Easy!**

DOWNLOAD: https://www.cabir.eu/_external_content/mfc-101+axe-fx3/MFC-101+Axe-Fx3_setup_files_for_Fractal_Bot.zip

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Writing this tutorial for you was a time-consuming job. If it helps you, if you have learned something and with its help you now understand your MFC-101 better and can now program your Axe-Fx III in a meaningful way, then I would be pleased about a little recognition. Maybe you'd like to buy me a pizza? Then I would be very happy about a **PAYPAL donation** from you to https://www.paypal.me/axefx!

Thank you
Markus