



MOTIF XF6 / XF7 / XF8

FM Xpanded

Volume 1 = Electric Piano & Clavinet

Sample-based FM-Expansion

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MOTIF XF „FM Xpanded“

This is the content of „FM Xpanded – Volume 1“:

- 64 Voices
- 24 Performances
- 48 User-Waveforms / 128 MB Samples

The soundlibrary „FM Xpanded“ offers sample-based **FM-sounds with highest dynamic and authenticity**. It includes DX-oriented sounds as well new and innovative sound creations.

What is „FM“?

FM is the abbreviation of Frequency Modulation.

Here oscillators are modulated by other oscillators – their amplitude and frequency then characterizes the sound.

The FM synthesis was developed in 1967 by the american scientist Prof. Dr. John Chowning at the Stanford University and was made public in 1973. One year later the Yamaha Corporation bought the patents on this revolutionary synthesis system.

In 1983 the Yamaha DX7 was introduced and put the synthesizer world upside down, leaving synthesizer legends like Moog or Oberheim behind.

Countless music productions featured the all new sound of the DX7 – having its strengths in unique E-Pianos, Synth Basses, Harps, Organs, and metallic sounds. The dynamic range of these sounds became the standard for all future digital sounds.

After the groundbreaking success of the DX7 the FM synthesis has found its way into a large range of Yamaha synthesizers like TX7, TX816, DX21, TX81Z, DX27, DX100, FB01, DX7II, TX802, V50, SY77, SY99, FS1R, DX200.

The last device from Yamaha using FM was the plug-in board PLG150-DX which can be installed into host synthesizers like the MOTIF ES, MOTIF-RACK ES, or S90 ES.



Sample-Partial-Programming (SPP) for expressive and dynamic FM-sounds

The multisamples were recorded in several dynamic levels for re-building the high dynamic of FM-synthesizer.

The original FM-sounds were not simply sampled 1:1.

EASY SOUNDS developed FM-partials, which were mapped as User Waveforms and combined to new FM-voices using up to 8 voice elements of MOTIF XS. The technique of Sample-Partial-Programming (SPP) offers a very high flexibility allowing creative sounddesign. You don't need to be an expert for making individual edits.

For the sample-production beside the legendary DX7 other FM-synths like SY99, FS1R, DX200 or FM8 were used.

„FM Xpanded“ consist of several volumes.

The first volume „Electric Piano & Clavinet“ includes 64 Voices, 24 Performances and 128 MB Samples.

Many E-Pianos and Clavinets are towards to the classic DX7 Voices. They are giving the feeling playing a real FM-synth.

Impressive stereo-sounds are similar like the DX7II with the wide panning.

But based on different combinings of the FM-partials there are also many new keyboard sounds with independent character.

And you will find also several „Hybrid Sounds“ combining conventional electric pianos with FM-partials.

The voices and performances of the first volume „Electric Piano & Clavinet“ are not only useful for conventional or contemporary music. There are also trendy keyboard sounds using the MOTIF XF effects and filter, which fit to many trendy music styles. For demonstrating this some drumloops in WAV-format and keyboard-sequences in Standard MIDI File format are included. They can be combined to small pattern with two tracks.

The **24 Performances** are including impressive Stereo Keyboard Layer Sounds combining two or more voices.

The further volumes of „FM Xpanded“ will be towards to popular DX7-voices of many different instrument categories. And they will also include spectacular synthsounds based on new FM-partials.

The User Waveforms and Samples of this library can be loaded to pre-installed SDRAM or to the optional Flash Memory (Flash Memory Expansion Modules FL1 + FL2).

Loading the Soundset to Motif XF (SDRAM)

The file „FM_Xpanded1.X0A“ (Type „all“) includes 128 Voices, 24 Performances, 24 User Waveforms, and 128 MB Samples.

If you received the set with download or CD-ROM you have to copy the file to an USB-device before loading to MOTIF XF.

After that you can load the soundset using the file-type „all“. If you don't change the default-settings of the file-displays, all included User Waveforms and Samples will be loaded to the pre-installed volatile SDRAM, which takes about one minute. Here are the steps:

- FILE-Mode: Select type „all“.
- Directory/File list: Select file „FM_Xpanded1.X0A“ using INC/DEC.
- Press SF2 Load and confirm with YES. The message „Now loading...” appears.

After loading the data you will find the new voices and performances in USER 1.

The new factory sounds of the MOTIF XF (128 voices and 128 performances of USER1) are available in the USER 4 memory.

With loading an „all“-file all user data of Motif XF will be overwritten (User Voices, Performances, Master, User Arpeggios, Songs, Pattern, Utility-Settings, User Waveforms and Samples of SDRAM). If there are already User Waveforms and Samples stored in the Flash Memory they will be not overwritten. If you have stored any user data please save your data before loading files (File Type „all“ - SAVE).

You can recall Factory Voices with Factory Set (UTILITY JOB).

Loading the Soundset to Motif XF (Flash Memory)

If you have already installed an optional Flash Memory Expansion Module (non-volatile sample memory), you can load the User Waveforms und Samples of this soundset completely or partly to the Flash Memory.

Installing the samples to the Flash Memory will take about 5 minutes.

After that the samples are stored non-volatile. You don't need to load them again after power off.

Loading „all“-files

You can load the complete soundset as described above using the file-type „all“, but using the destination memory block „FL1“ or „FL2“ (Flash Memory) instead of „USR“ (SDRAM) with following steps:

- FILE-Mode: Select type „all“.
- Directory/File list: Select file „FM_Xpanded1.X0A“ using INC/DEC.
- Navigate to the lower area of the display using the cursor-key >. Don't use the cursor-keys UP/DOWN, because this would cancel the selection of the file.
- Specify the destination memory block at the right bottom of the display. Select the setting „USR> FL1“ in the first line, which means loading to the SDRAM instead of the Flash Memory. The other settings FL1> FL1, FL2> FL2 must not be changed.
- Press SF2 Load and confirm with YES. The message „Now installing to the Flash Expansion Memory Module“ appears.

Loading single user voice banks

If some User Waveforms and Samples are already installed in the Flash Memory it might be recommended to load the voices of this as a single bank. The performances can be loaded with another step (see below).

Here are the steps for loading single User Voice Banks with destination „FL1“ or „FL2“ for User Waveforms and Samples:

- FILE-Mode: Select type „1 bank voice“.
- Specify the destination memory location in the User memory (USR 1, USR 2, USR 3 or USR 4)
- Directory/File list: Select file „FM_Xpanded1.X0A“ using INC/DEC.
- Press ENTER for opening the selection display of the included user banks of the file. It will take some seconds.
- Select USR 1.
- Navigate to the lower area of the display using the cursor-key >. Don't use the cursor-keys UP/DOWN, because this would cancel the selection of the file.
- Specify the destination memory block at the right bottom of the display. Select the setting „USR> FL1“ in the first line, which means loading to the SDRAM instead of to the Flash Memory. The other settings FL1> FL1, FL2> FL2 must not be changed.
- Press SF2 Load and confirm with YES. The message „Now installing to the Flash Expansion Memory Module“ appears.

Loading single user voices

If you want to use only single voices of this soundsets, you can load them the used User Waveforms und Samples with the destination „FL1“ or „FL2“ with following steps:

- Select VOICE-Mode
- FILE-Mode: Select type „voice“.
- Directory/File list: Select file „FM_Xpanded1.X0A“ using INC/DEC.
- Press ENTER for opening the voice list. It will take some seconds.
- Directory/File list: Select the voice you want to load.
- Navigate to the lower area of the display using the cursor-key >. Don't use the cursor-keys UP/DOWN, because this would cancel the selection of the voices.
- Specify the destination memory location in the User memory (USR 1, USR 2, USR 3 or USR 4).
- Specify the destination voice number.
- Specify the destination memory block at the right bottom of the display. Select the setting „USR> FL1“ in the first line, which means loading to the SDRAM instead of to the Flash Memory. The other settings FL1> FL1, FL2> FL2 must not be changed.
- Press SF2 Load and confirm with YES. The message „Now installing to the Flash Expansion Memory Module“ appears.

Important note:

If you load voices using the same User Waveforms one after the other, the User Waveforms will be loaded only for the first voice. Waveform duplicates will be recognized and there will be an automatically waveform re-assignment in the loaded voices.

Loading Performances

If you load the complete soundset using the file-Type „all“ (see above), the 32 new performances will be loaded also.

But if you load single user voice banks or single user voices you must load the performances separately.

You can load *single performance banks* with following steps:

- Select PERFORMANCE-Mode
- FILE-Mode: Select type „performance“.
- Directory/File list: Select file „FM_Xpanded1.X0A“ using INC/DEC.
- Press ENTER for opening the performance list. It will take some seconds.
- Navigate to the lower area of the display and specify the destination memory location in the User memory (USR 1, USR 2, USR 3 or USR 4)
- Specify the destination performance number „all“, which appears after the number 128..
- Press SF2 Load and confirm with YES. The message „Now loading...” appears. After the loading procedure you will receive the display information „This Performance uses User Voices“. You can ignore this with EXIT. It is only an information, that the loaded performances will only work if the related user voices are available.

Alternately you can load *single performances* with following steps:

- Select PERFORMANCE-Mode
- FILE-Mode: Select type „performance“.
- Directory/File list: Select file „FM_Xpanded1.X0A“ using INC/DEC.
- Press ENTER for opening the performance list. It will take some seconds.
- Directory/File list: Select the performance you want to load.
- Navigate to the lower area of the display using the cursor-key >. Don't use the cursor-keys UP/DOWN, because this would cancel the selection of the performance.
- Specify the destination memory location in the User memory (USR 1, USR 2, USR 3 or USR 4)
- Specify the destination performance number.
- Press SF2 Load and confirm with YES. The message „Now loading...” appears. After the loading procedure you will receive the display information „This Performance uses User Voices“. You can ignore this with EXIT. It is only an information, that the loaded performances will only work if the related user voices are available.

If the new performances of this soundset are not loaded to USER 1, you will have to do a re-assignment in the performance-parts (EDIT – PART... – F1 Voice – SF1 Voice), if they are using user voices. Instead of „USR 1“ you have to set the used bank (USR 2, USR 3 or USR 4).

Motif XF Factory Content in USER 4

The new factory content of MOTIF XF is normally stored in the User Voice Bank 1 and in the Performance Bank 1.

Because new soundsets are expected normally also in the USER1 memory, we realized this solution:

- The new voices and performances of this soundset are available in USER 1.
- The new factory content of MOTIF XF is completely copied to USER 4. Of course the needed re-assignment of user voices in the In den performance parts are already done.

FM Xpanded Loops

The voices and performances of the first volume „Electric Piano & Clavinet“ are not only useful for conventional or contemporary music. There are also trendy keyboard sounds using the MOTIF XS effects and filter, which fit to many trendy music styles. For demonstrating this some drumloops in WAV-format and keyboard-sequences in Standard MIDI File format are included. They can be combined to small pattern with two tracks.

The folder „FM Xpanded Loops“ is including 18 Standard MIDI Files (SMF) and 18 drumloops (WAV). The files are – signed with file-name – related to particular voices of this soundsets. They can be loaded to the internal or any external sequencer.

The WAV-files are including tempo information at the end of the file-names.

Example:

Drumloop

013_TheStranger_122.wav

Sequence (SMF)

013_The Stranger, Tempo 122 BPM.

MOTIF XS Voice

USER1 - 013 The Stranger

With following steps you can combine the SMF- and WAV-Files:

- Load or import SMF to a MIDI-track of the sequencers (ex. 013_TheStranger.mid)
- Load corresponding WAV-Drumloop to an Audio-track of the sequencer (ex. 013_TheStranger_122)
- Select the corresponding voice in MOTIF XS (ex. 013 The Stranger)
- Set the sequencer tempo to 122 bpm.
- If you use external sequencer you have to set the arp tempo of MOTIF XS also to 122 (EDIT - COMMON EDIT – Arp Main).

User Voices (USER1)

1	The Champ
2	Lovely Tines
3	Classic SY99
4	The Original DX!
5	American Ballad
6	Big Stone
7	Highest Tines
8	The Dancer
9	Strong Hammer
10	Both Worlds
11	Hard Clack
12	Wooden Attacks
13	The Stranger
14	DX & Grand
15	Tremelo Tines
16	DX Tremeloos
17	One of those...
18	Another Bell
19	Hard Switch
20	Warm Body
21	Cold Day
22	Hybrid EP1
23	Hybrid EP2
24	Hybrid EP3
25	Hybrid EP4
26	Hybrid Chill
27	Hybrid Wurli
28	FM Wurli
29	AutoWah Keyz
30	Golden Ring
31	Reverze
32	Chilly Wah EP

33	Hard Body
34	Compressed Wah EP
35	Amp Wah EP
36	Dirty Dreamz
37	LoFi E-Piano
38	Groove EP 90BPM
39	AutoPan & Delay EP
40	Magnetic Spheres
41	Tube Keyz
42	Freaky Keyz
43	Beat and Wait
44	Panning Star
45	Chilly Echoes
46	Super Clavi 1
47	Super Clavi 2
48	Super Clavi 3
49	Super Clavi 4
50	Super Clavi 5
51	Hybrid Clavi 1
52	Hybrid Clavi 2
53	Hybrid Clavi 3
54	Hybrid Clavi 4
55	Hybrid Clavi 5
56	FM Clavi 1
57	FM Clavi 2
58	FM Clavi 3
59	FM Clavi 4
60	FM Clavi 5
61	FX Clavi 1 (Delay)
62	FX Clavi 2 (AutoWah)
63	FX Clavi 3 (AutoWah)
64	FX Clavi 4 (Phaser)

Performances (USER1)

1	FM Stereo EP1
2	FM Stereo EP2
3	FM Stereo EP3
4	FM Stereo EP4
5	FM Stereo EP5
6	FM Stereo EP6
7	FM Stereo EP7
8	FM Stereo EP8
9	FM Stereo EP9
10	AP&EP Stack 1
11	AP&EP Stack 2
12	AP&EP&ST Stack 1

13	AP&EP&ST Stack 2
14	AP&EP&ST Stack 3
15	AP&EP&ST Stack 4
16	AP&EP&ST Stack 5
17	FM Vibrations
18	Atmo Keys
19	FM Stereo Clavi 1
20	FM Stereo Clavi 2
21	FM Stereo Clavi 3
22	FM Stereo Clavi 4
23	FM Stereo Clavi 5
24	FM AutoWah Clavi

User Waveforms

1	EP1 BodyVelSoft
2	EP1 BodyVelHard
3	EP1 Body18
4	EP1 Body24
5	EP1 Body30
6	EP1 Body40
7	EP1 Body50
8	EP1 Bell18 Scaled
9	EP1 Bell14 Scaled
10	EP1 Bell14 Unscaled
11	EP2 _OpAB VelSw Soft
12	EP2 _OpCD VelSw Soft
13	EP2 _OpAB VelSw Hard
14	EP2 _OpCD VelSw Hard
15	EP2 _OpCD HardX
16	EP2 _OpEF BellScaled
17	EP3 _Body1
18	EP3 _Body2
19	EP3 _Click
20	EP4 Hard Attack
21	EP4 Hard Click
22	EP4 Hard Clack
23	EP4 Bell26Scaled
24	EP5 BodyA 078

25	EP5 BodyA 096
26	EP5 BodyA 112
27	EP5 BodyA 127
28	EP5 BodyB 096
29	EP5 BodyB 112
30	EP5 BodyB 127
31	EP5 Bell14 Scaled
32	EP5 Bell14 Original
33	EP6 Square
34	EP7 WurliA
35	EP7 WurliB
36	EP9 Main
37	Clavi1A100_4
38	Clavi1B100_7
39	Clavi1A127_4
40	Clavi1B127_7
41	Clavi1 KeyOff
42	Clavi2A
43	Clavi2B
44	Clavi3A
45	Clavi3B
46	Clavi4
47	Clavi4 KeyOff
48	Clavi5

Sounds for MOTIF XS / ES, MOTIF-RACK XS/ES, S90 XS / ES, MO

„Stage & Studio“

MOTIF XS/ES, MOTIF-RACK XS/ES, S90 ES, MO

128 Voices. The ultimate Top 40 and Live-Set!

Die "Stage & Studio" is a collection of the most crucial instrument sounds you need for both stage and studio work - both regular instruments and classic synth sounds. Tested by musicians live, and in a range of studio applications.

„Dance Xpanded“

MOTIF XS/ES, MOTIF-RACK XS/ES, S90 ES, MO

128 Voices, 64 WAV-Drumloops, 100 MIDI-Loops, 64 MB Samples + 100 User Arpeggios (MOTIF ES)

Ultimate soundset for Dance, Trance, Electronic, Chill and Pop including new voices, MIDI-loops, arpeggios + drumloops. Main focus are Atmospheres, Pads, Synthleads, Syntbasses, Chordsynths, Gated Pads and Sequencer/Arpeggiosounds.

„Synth Xtreme“

MOTIF XS/ES, MOTIF-RACK XS/ES, S90 ES, MO

128 Voices + 124 MB Synth Waveforms (MOTIF XS/ES)

Offers a wide range of fat, analog synth sounds in highest quality, which are very useful for Trance, Electronic, Techno and many kinds of other trendy Pop Music. Main focus of the voices are trendy Synthleads, Syntbasses, Chordsynths, Pads and Sequencer- and Arpeggio sounds.

„Hypnotic Stepz“

MOTIF XS/ES, MOTIF-RACK XS/ES, S90 ES, MO

128 Voices + 120 MB Waveforms (MOTIF XS/ES) + 163 Drumloops (WAV / AIFF) + Step Sequencer Emulation (Cubase / Logic)

„Hypnotic Stepz“ combines synthsounds, drumsounds, sequences and electronic drumgrooves. The voices are including typical analog step-sequencer-sounds, syntbass-sounds, dance-sounds and percussive synths. The sounds are very powerful and punchy.

„Vocoder Dreamz“ for MOTIF XS

128 Voices + 64 Performances + 96 MB Samples

„Vocoder Dreamz“ offers an impressive combination of vocoder voices, vocal phrase kits and drumloop-kits. The performances also include synth voices from the presets for building sound combinations full of inspirations and atmosphere. The vocal phrases and drumloops are triggered from user arpeggios.

Synth Universe – Vol. 1 = „Magical Pads“

MOTIF XS/ES, MOTIF-RACK XS/ES, S90 ES, MO

128 Voices, 64 MB Synth Waveforms (MOTIF XS / ES)

Provides warm, analog and atmospheric synthpads, sweeps, swells, synthbrass, and Atmo/FX-sounds.

Synth Universe – Vol. 2 = „Mystic Spheres“

MOTIF XS/ES, MOTIF-RACK XS/ES, S90 ES, MO

128 Voices + 60 MB Synth Waveforms (MOTIF XS/ES)

Atmospherics, motion pads, Fx-sounds and soundeffects, spacious synthleads, trance-sounds, vocal pads and analog vintage sounds. The set is predestined for all kinds of Electronic Music, Trance, Ambient, Chill Out, and Soundtracks.

„Organ Session“

MOTIF XS/ES, MOTIF-RACK XS/ES, S90 ES, MO

128 Voices + 120 MB Samples (MOTIF XS/ES)

Emulates the sound of a B3 in the MOTIF. Wonderful punchy and smacky Hammond Sounds with consisely key click and adjustable percussion, rockorgans with distortion, traditional entertainer organs, classic drawbar-registrations and cool jazz-organs.

„Drum Performer“

MOTIF XS + MOTIF ES

32 Drumkits, 128 User Arpeggios, 128 Voices + 120 MB Samples (MOTIF XS/ES), Performances

„Drum Performer“ offers new „Real Drums“ – produced in several sampling sessions. The drumsounds are sounding dry, fat and with much pressure. Because of special recording procedures there is a very big variety of drumsounds.

Price (for each soundset):

= 32,- EUR / 45,00 US \$ (Download / CD-ROM)



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Enjoy with “FM Xpanded“!



Sounds and Samples for Synthesizer and Sampler

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