



MUSIC PRODUCTION SYNTHESIZER

MOTIF XF
WHITE



P10026756



YAMAHA CORPORATION
P.O.BOX1, Hamamatsu Japan
☐ English Printed in Japan

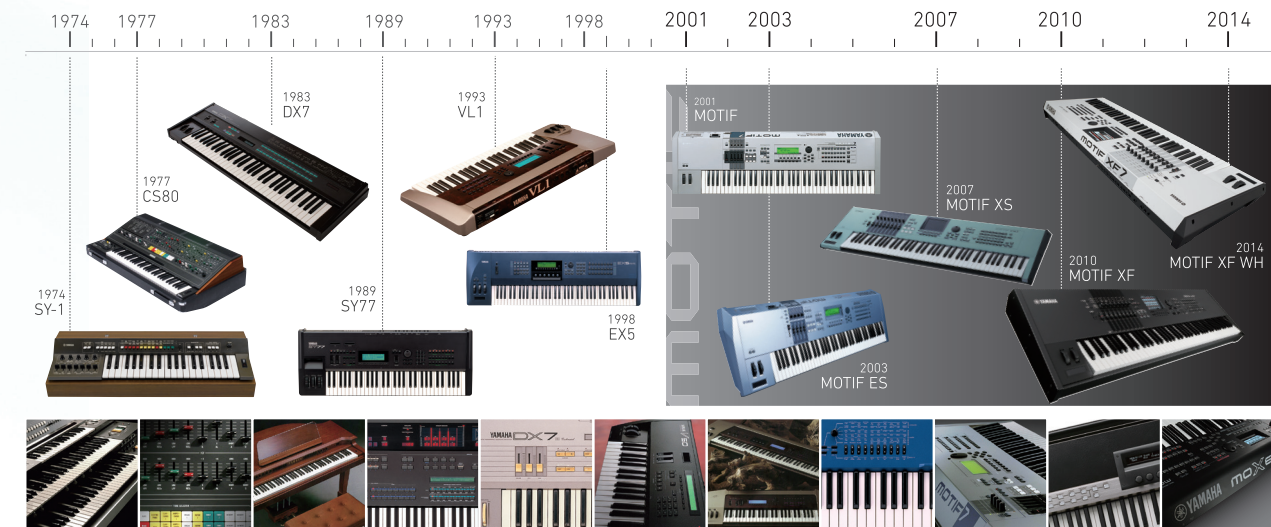
40th Anniversary, special edition MOTIF XF white

Celebrate 40 years of Yamaha Synthesizers with a special edition MOTIF XF white

The first Yamaha synthesizer was released in 1974, at a time when synthesizers were only just beginning to be accepted into the musical mainstream. Yamaha has been at the forefront ever since, with instruments that have defined musical styles and propelled countless artists to stardom. 40 years on, Yamaha synthesizers and music workstations are still the instruments of choice for acclaimed professionals and discerning amateurs worldwide.

40 years is a milestone worth commemorating. To mark this auspicious occasion and reaffirm our commitment to empowering artists everywhere with the finest tools available, we have created the special edition 40th Anniversary MOTIF XF Music Production Synthesizer. The commemorative MOTIF XF is white, symbolizing both our dedication for the past 40 years and a new beginning from which an even brighter future for musical creativity and expression will arise.

Celebrate with us, and the white 40th Anniversary MOTIF XF.



Additional new effects with OS Version 1.5

The high-density reverb already used in the CP4 Stage and Tyros 5 is now also available in the MOTIF XF. The upgrade includes three new reverb variants - HD HALL, HD ROOM, and HD PLATE. The reverb is smooth and natural, fully in keeping with its “HD” designation. These reverb programs are particularly effective with instruments such as piano, guitar, brass and strings.

New effect programs have also been added to the distortion and amp simulation section. The basic parameters are the same as those in the existing distortion effect types, but the new effects offer more realistic and characteristic amplifier sounds - US Combo, Jazz Combo, US High Gain, British Lead, Multi Efx, Small Stereo, British Combo, and British Legend.



V1.5

Play and Perform

The Best Sounds Just Got Better

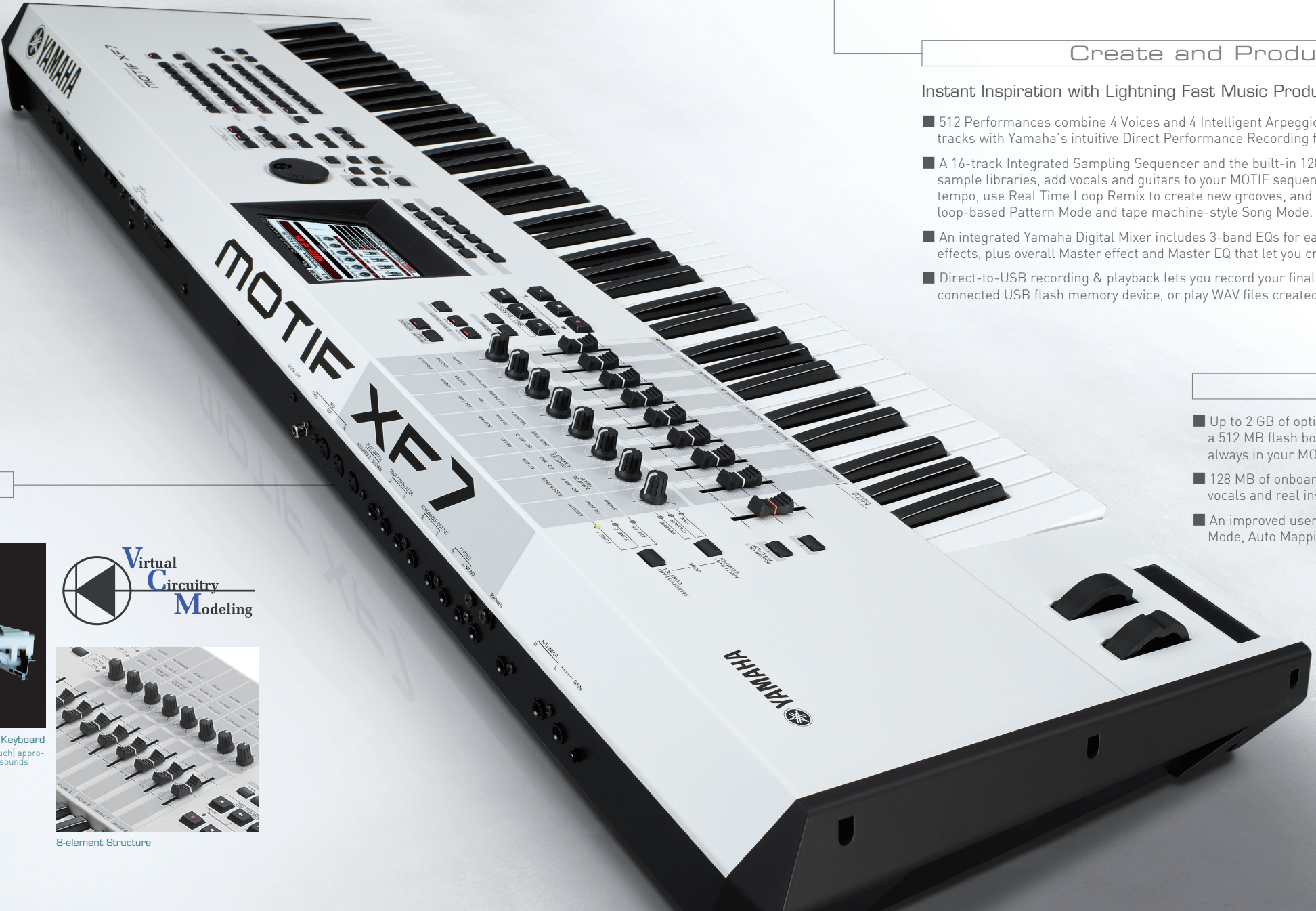
- The 741 MB of internal Wave ROM includes incredibly realistic pianos and acoustic instruments, vintage synths, and the hip hop sounds that today’s top producers are using.
- 1,664 Voices and 97 Drum Kits put more sounds at your fingertips than ever before.
- VCM effects reproduce the unique, natural, warm sounds of vintage instruments.
- The popular FSX (MOTIF XF6/7) and BH (MOTIF XF8) Keyboards let you express your passion for playing.
- A sophisticated 8-element synth architecture with XSpanded articulation and 18 different filter types let you shape your sound anyway you want, and the 8 front panel knobs and sliders make it easy to do in real time.
- A Category Search function makes it easy to find the sounds you need.



88 keys BH (Balanced Hammer) Keyboard
Weighted keyboard action (with aftertouch) appropriate for playing both piano and synth sounds



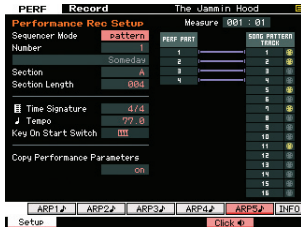
8-element Structure



Create and Produce

Instant Inspiration with Lightning Fast Music Production Tools

- 512 Performances combine 4 Voices and 4 Intelligent Arpeggios so you can instantly create backing tracks with Yamaha’s intuitive Direct Performance Recording feature.
- A 16-track Integrated Sampling Sequencer and the built-in 128 MB of sample RAM let you: load new sample libraries, add vocals and guitars to your MOTIF sequences, slice audio loops to playback at any tempo, use Real Time Loop Remix to create new grooves, and easily move back and forth between the loop-based Pattern Mode and tape machine-style Song Mode.
- An integrated Yamaha Digital Mixer includes 3-band EQs for each part, 8 Dual Insertion effects, 2 System effects, plus overall Master effect and Master EQ that let you create finalized mixes of your songs.
- Direct-to-USB recording & playback lets you record your final mixes as CD-quality WAV files to any connected USB flash memory device, or play WAV files created on your computer back on the MOTIF XF.



Performance Record



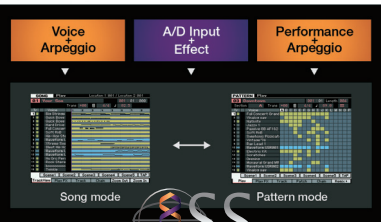
Arpeggio Main

Customize and Expand

- Up to 2 GB of optional flash wave memory. Two slots accommodate proprietary Yamaha flash board options: a 512 MB flash board and a 1 GB flash board. Because this is Flash Memory, once you’ve loaded a sound, it’s always in your MOTIF when you turn it on.
- 128 MB of onboard volatile sample RAM for user sampling, loading, and auditioning sample libraries or adding vocals and real instruments to your MOTIF XF sequences with the Integrated Sampling Sequencer.
- An improved user interface with numerous user requested features such as Tap Tempo, Drum Editing in Mix Mode, Auto Mapping of samples, and a new customizable UI for selecting color and positioning of key displays.



[Flash Memory Expansion Module]
FL512M / FL1024M



Integrated Sampling Sequencer



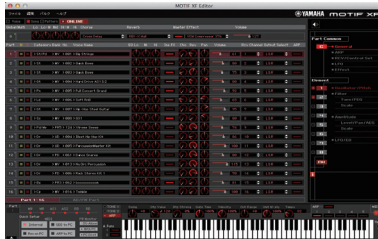
Improved User Interface

Connect and Integrate

■ Computer connectivity (via USB, Ethernet and the FW16E Firewire option) and DAW integration features like 8 zone Master mode, DAW remote control, and cross platform editors let you seamlessly integrate the MOTIF with any DAW software, including the bundled Cubase AI software.

■ Using the Yamaha MOTIF XF Editor, you can make detailed Voice edits from your PC while checking them visually. There is even a VST3 editor for use in Cubase series which lets you use your MOTIF as a VST soft synth.

■ New Voice libraries from 3rd parties such as Easy Sounds, Sonic Reality, and others, plus new MOTIF specific software tools including waveform editors, sample format converters, and arp managers.



MOTIF XF Editor



Lineup

MOTIF XF8 WH



■ Rear



MOTIF XF7 WH



■ Rear



MOTIF XF6 WH



■ Rear



Specifications

Keyboards	
MOTIF XF8 WH	88 keys, Balanced Hammer Effect Keyboard (Initial Touch/Aftertouch)
MOTIF XF7 WH	76 keys, FSX Keyboard (Initial Touch/Aftertouch)
MOTIF XF6 WH	61 keys, FSX Keyboard (Initial Touch/Aftertouch)
Tone Generator block	
Tone Generator	AWM2, with Expanded Articulation
Polyphony	128 notes
Multi Timbral Capacity	16 Parts (internal), Audio Input Parts (A/D, FW*) *1 Stereo Part
Wave	741 MB (when converted to 16-bit linear format), 3,977 Waveforms
Voice	Preset: 1,024 Normal Voices + 64 Drum Kits GM: 128 Normal Voices + 1 Drum Kit User: 128 x 4 (Bank 1: original, Bank 2-4: selected and copied from Preset banks + 32 Drum Kits (No. 1 – 8: original, No. 9 – 32: selected and copied from Preset bank)
Performance	User: 128 x 4 (up to 4 Parts)
Filter	18 types
Effect System	Reverb x 12 types, Chorus x 22 types, Insertion (A, B) x 61 types x 8 Parts (up to 16 units), Vocoder x 1 (uses both Insertion Effect A and B blocks), Master Effect x 9 types (Preset settings for parameters of each effect type are provided as templates; total 320) Master EQ (5 bands), Part EQ (3 bands, stereo)

Sampling block	
Samples	Up to 128 Waveforms (Multi Samples) , up to 256 Key Banks per Waveform, up to 512 Key Banks
Sampling Sources	Analog input L/R, Stereo output (Resampling) FW (available when the FW16E has been installed)
A/D Conversion	24-bit, 64x oversampling
D/A Conversion	24-bit, 128x oversampling
Sample Data Bits	16
Sampling Frequency	44.1 kHz, 22.05 kHz, 11.025 kHz, 5.5125 kHz (Stereo/Mono) Sampling Frequency via FW (when the FW16E has been installed): 44.1 kHz (fixed)
Sampling Memory	Internal SDRAM: 128 MB
Sample Length	Mono: 32 MB Stereo: 64 MB
Sampling Time	44.1 kHz: 6 min. 20 sec. 22.05 kHz: 12 min. 40 sec. 11.025 kHz: 25 min. 20 sec. 5.5125 kHz: 50 min. 40 sec. *Mono/Stereo
Sample Format	Original format, WAV, AIFF

Sequencer block	
Note Capacity	Approx. 130,000 notes
Note Resolution	480 ppq (parts per quarter note)
Maximum Polyphony	124 notes
Tempo (BPM)	5 – 300
Recording type	Real time replace, real time overdub (with the exception of the Pattern Chain), real time punch in/out (Song only)

Tracks	Pattern: 16 Phrase tracks Pattern Chain: Pattern track, Tempo track, Scene track Song: 16 sequence tracks (Loop on/off can be set for each track), Tempo track, Scene track
Patterns	64 Patterns (x 16 sections), Measures: 256 maximum Mixing Voices: 16 Voices per Pattern and up to 256 Voices for all Patterns Mixing Templates: 32 for all Songs and Patterns
Phrases	User Phrases: 256 per Pattern
Songs	64 Songs Mixing Voices: 16 Voices per Song and up to 256 Voices for all Songs Mixing Templates: 32 for all Songs and Patterns
Arpeggio	Preset: 7,881 types User: 256 types *MIDI Sync, MIDI transmit/receive channel, Velocity Limit, and Note Limit can be
Scene Memory	5 per Song
Sequence Format	Original format, SMF format 0, 1 (format 1 load only)
Others	
Master	User: 128 *8 Zones (Master keyboard settings), Assignable Knob/Slider settings, Program Change table
Sequence Software compatible with the Remote Control function	For Windows : Cubase 6 - 7, SONAR 5.2 - 8/X1 Producer, ProTools 10 For Mac : Cubase 6 - 7, Logic 7.2/Logic Pro 9.1/LogicStudio, Digital Performer 5.1 - 7.2, ProTools 10 *Functions to be controlled differ depending on software
Controllers	Pitch Bend wheel, Modulation wheel, Ribbon Controller, Assignable Control Sliders x 8, Assignable Knobs x 8, Assignable Function buttons x 2, Data dial
Display	320 x 240 dot, 5.7 inch graphic color backlit LCD
Connectors	OUTPUT L/MONO, R (standard phone jack) ASSIGNABLE OUTPUT L, R (standard phone jack) A/D INPUT L, R (standard phone jack) DIGITAL OUT PHONES (standard stereo phone jack) FOOT CONTROLLER 1, 2 FOOT SWITCH x 2 (SUSTAIN, ASSIGNABLE) MIDI IN/OUT/THRU USB (TO HOST, TO DEVICE) AC IN ETHERNET (100 BASE-TX) IEEE 1394 (available when the FW16E has been installed)
Power Consumption	22W
Dimensions, Weight	MOTIF XF8 WH: 1,439 (W) x 466 (D) x 168 (H) mm, 28.9 kg MOTIF XF7 WH: 1,252 (W) x 391 (D) x 122 (H) mm, 17.2 kg MOTIF XF6 WH: 1,045 (W) x 391 (D) x 122 (H) mm, 15.1 kg
Accessories	AC power cord, Cubase AI Download Information, Owner's Manual, Data List