



A photograph of a Yamaha MOTIF XF keyboard workstation on a stage. The keyboard is in the foreground, with the Yamaha logo and 'YAMAHA' text visible on its side. In the background, a drum set is visible, including a bass drum with the Yamaha logo, several cymbals, and a microphone on a stand. The scene is lit with blue stage lights, creating a dramatic atmosphere.

Inspiration comes in a Flash.

A single musical motif can evolve to become a magnificent orchestration. The Yamaha MOTIF, an incredibly effective tool for musical creation, has evolved to offer greater expressiveness and functionality. Presenting the next generation MOTIF XF, with the power to inspire boundless creativity.

MOTIF XF

Soon after the original MOTIF was released in 2001 it was recognized as the best sounding, top selling and most requested music workstation on the market. Over time, it has continued to evolve and improve its expressiveness and functionality. At the same time, the online community of end users, sound programmers, software developers and product support specialists at www.motifator.com expanded into a vibrant online music production community. The MOTIF breathes new life into live performances with its expressive sounds and intuitive control. In music creation, the MOTIF not only offers its own music creation capabilities, it also offers a system for integrating those capabilities with a variety of software applications. And now, the next generation "XF" builds on the decade long heritage of MOTIF, and with Flash memory expansion, provides groundbreaking capabilities that will set a new standard for keyboard workstations for years to come.



01. Play and Perform

■ The Best Sounds Just Got Better

❖ P.6

- The 741 MB of internal Wave ROM includes incredibly realistic pianos and acoustic instruments, vintage synths and the hip hop sounds all of today's top producers are using.
- 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 even in real time.
- 1,664 Voices and 97 Drum Kits put more sounds at your fingertips than ever before.
- A Category Search function to make the sounds you need easy to find.



02. Create and Produce

■ Get Instant Inspiration & Lightning Fast music production tools

❖ P.8

- 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, 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 and overall Master effect and Master EQ, let's 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 memory device or play WAV files created on your computer back on the MOTIF XF.



MUSIC PRODUCTION SYNTHESIZER

MOTIF XF



MOTIF XF8



MOTIF XF7



MOTIF XF6

03. Customize and Make It Your Own

❖ P.10

- 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 once, it's always in your MOTIF when you turn it on.
- 128 MB of on board 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 many user requested features like Tap Tempo, Drum Editing in Mix Mode, and Auto Mapping of samples* plus a new customizable UI for selecting your choice of color and positioning of key displays.

* Will be available for MOTIF XF in a future OS update.



04. Connect and Expand with new possibilities

❖ P.12

- 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.
- A global community of MOTIF experts, sound programmers and software application developers let you access discussion forums, Voice libraries, MOTIF specific application software, tutorial videos and in depth application guides at www.Motifator.com.
- New large format (512 MB - 1 GB) Voice libraries from Garrigan, Sonic Reality, Easy Sounds and more plus new MOTIF specific software tools including waveform editors, sample format converters and arp managers.



01. Play and Perform

The Best Sounds Just Got Better



A high-quality collection of Voices, including powerful piano Voices provided from an enormous 741 MB of waveforms



Voice Play (Main)

The MOTIF XF boasts a rich collection of instrument Voices that includes piano, EPs, strings, wind instruments, orchestral sounds, guitars, basses, and drums, as well as a wide variety of vintage and modern synth sounds. Of special

note are the detailed digital re-creations of two Yamaha grand pianos (a 9' CFIII and a 7' S6) that only an acoustic piano manufacturer could achieve. The reproduction in minute detail of even very subtle nuances results in exquisitely crafted piano Voices that will satisfy even the most demanding players. New waveforms have been added to the MOTIF XF, which now contains a huge total of 741 MB of waveforms. Starting with the S6 piano, the 136 newly-added Voices include keyboard sounds such as those of clavinet and organs as well as a wide range of new sounds from orchestral to hip-hop. This huge internal wave memory ensures that the MOTIF XF is the best sounding and most versatile keyboard workstation right out of the box.

High-quality keyboards that enable high-level performance

The MOTIF XF6 and XF7 use high-quality FSX Keyboards with 61 and 76 keys, respectively. The MOTIF XF8 uses a BH (Balanced Hammer) Keyboard with 88 keys. The FSX Keyboard uses a newly-developed mechanism to provide a smooth touch that is both comfortable to play and responsive to your touch. It's easy to play fast passages, including glissandos and trills. It is also worth mentioning that the keys are very quiet. The BH Keyboard is filled with the know-how and technology that Yamaha has developed producing full concert grand pianos and stage pianos. To make a keyboard with a piano touch that

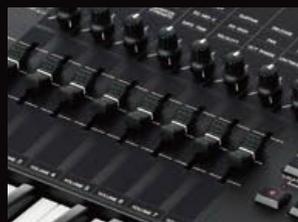
can still work comfortably with any Voice, we took a Graded Hammer Keyboard, which is a popular keyboard for electronic pianos, and adjusted it for use with a synthesizer: we balanced the keys to the same weight and made adjustments so that the synthesizer can support after touch and other features. While pursuing the real touch of a grand piano, we also provide a touch that is exceptionally suited to the performance of a multitude of synthesizer sounds.



88 keys BH
(Balanced Hammer) Keyboard
Weighted keyboard action that matches for playing both piano and synth sound.

Sound engine that increases the expressiveness of instrument sounds

The tone generator that the MOTIF XF has inherited from the MOTIF XS makes an 8-element-per-Voice structure possible. Combined with Yamaha's XA (Expanded Articulation), this 8-element structure allows you to achieve stunningly accurate acoustic instruments including expressive articulations that up until now have been difficult to re-create in electronic instruments. For example, you can re-create the natural legato of wind instruments, the key release noises of pianos and other instruments, guitar slides and harmonics, and the many different articulations for string instruments (spicato, tremolo and pizzicato, etc.). The AF1 and AF2 buttons on the front panel make it easy to control Voices with multiple articulations. For synthesizer sounds, the 18 different filter types, advanced 6-stage pitch, filter and amplitude envelopes, unique Wave Cycle feature and assignable modulation Control Sets make the MOTIF capable of reproducing any synth sound from vintage to modern.



8-element Structure



Voice Play (Controller)

The tone generator also supports half damper pedaling through the use of the separately sold FC3 foot pedal. Using half damper pedaling with the damper resonance effect, you can achieve an even more realistic and richer piano sound that simulates the sound board of a grand piano and responds naturally to sophisticated piano pedaling techniques.

Category Search feature that provides instant access to the sound you want



Category Search (Voice mode)

You can use the Category Search feature to quickly and easily select the Voices or performances from the MOTIF XF's massive arsenal of sounds. All the Voices in the MOTIF are categorized by instruments and even have sub categories. So

it's easy to select Category Search, choose the category strings, the sub-category ensemble and then see all the ensemble string Voices in your system. Even third party libraries are categorized using this elegant database system. Category Search is available wherever you want to select a Voice, so when you are looking for just the right sound in a Song, access Category Search and easily browse for that perfect fit for your mix.

In Performance Mode, Performances are sorted by musical genre, so you can quickly select the type of Performance that matches your moment of inspiration. The Favorites feature even lets you tag your favorites Voices and Performances so they are even easier to access.



Category Search Button



03. Customize and Make It Your Own

Up to 2 GB of additional content available through flash memory expansion modules

Two flash board slots accommodate two proprietary Yamaha flash board options – a 512 MB board and 1 GB board. With two 1 GB boards installed, you have a total of 2 GB of flash memory available to you. Because this is re-writable flash memory, once you’ve loaded a sample, it’s always in your MOTIF until you decide to replace it with something else. The samples could be some of the new MOTIF Voice libraries or they could be your own samples – the back ground vocals from your latest album that you need to take on the road, your favorite VST sound that you’ve converted to MOTIF format or even that coffee pot in your kitchen that you know will make a great snare sound. Wherever you get the samples, you can now “roll your own” customized 2 GB sample library. Imagine the power of a fully customized MOTIF XF with 3 GB of sounds (internal, RAM and Flash) instantly available at your fingertips.

The MOTIF XF-specific third-party sample and Voice libraries can be purchased at Motifator.com, and Yamaha has made the “Inspiration In A Flash” 500 MB sample Voice library available for download at www.motifxf.com and easysoundz.de.

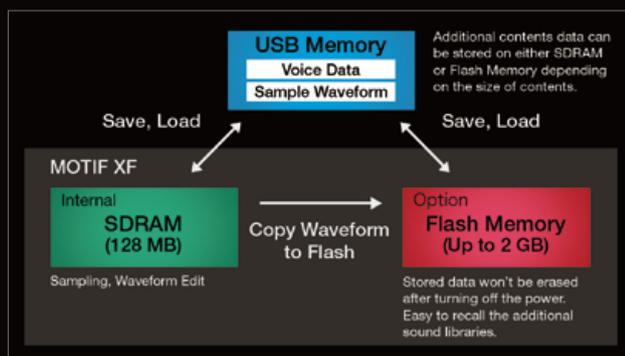


[Flash Memory Expansion Module]
FL1024M

Non-volatile memory keeps sample data even after turning off the power.

Improved sampling with 128 MB of internal SDRAM

The MOTIF XF has 128 MB of internal SDRAM. This means that you can sample external audio without installing separately



Sound Expandability of MOTIF XF

purchased memory. Using the sampling feature, you can load sample Voice libraries, import WAV files or add vocals, guitars and other acoustic instruments to your MOTIF sequences. You can connect a microphone to the A/D input and sample vocals. Also, if you select the slice feature during sampling, even if you change the tempo of songs and patterns, recorded audio will follow the beat with perfect synchronization. You can process your recorded samples in minute detail to produce just the right sound using a redesign sample editing UI.

Integrated Sampling Sequencer features that provide advanced integration of audio and MIDI

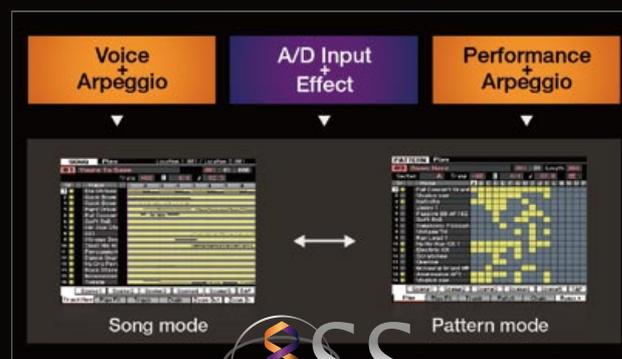
The MOTIF XF features an Integrated Sampling Sequencer which allows you to combine MIDI and audio samples (driven by MIDI events), so you can create complete songs including vocals, guitars and acoustic instruments all right inside the MOTIF XF. Because the MOTIF XF now features 128 MB of onboard sampling RAM, you’re able to take advantage of these powerful features right away without the need to purchase external memory. The MOTIF XF sequencer also lets you work the way you prefer because it features two different sequence modes. There is a linear tape machine-style, 16-track Song sequencer for recording and punching in and out as you would on a tape machine-style DAW interface. It also includes a



Sample Slice



Sample Edit



Integrated Sampling Sequencer



MOTIF XF 8

16-track Pattern sequencer that lets you work in loops and build up sections of your song (verse, chorus, bridge, etc.) and chain those sections together into complete song structures. You can easily move your production back and further between

song and pattern modes depending on your needs. With the bundled Cubase AI software, you can even import completed Songs directly in Cubase including all the audio samples for further editing and mastering.

■ Integrated Sampling Sequencer

With the Integrated Sampling Sequencer, you can integrate audio (sampled) data and MIDI data seamlessly. WAV/AIFF loading is also supported. You can use the time slice feature to slice the sampled sounds that you load and control them in the same way that you would control MIDI data. For example, you can synchronize audio data to the same BPM as MIDI sequence data. Also, by setting the tempo, time signature, necessary number of measures, and number of beats beforehand, you can perform trimming smoothly and easily create perfect audio loops. Also, you can use a variety of editing commands to modify your samples. The MOTIF XF supports features such as time stretching, in which the sample length is changed while the pitch remains the same; pitch shifting, in which the pitch is changed while the length of the sample remains the same; and loop remixing which instantly creates new musical variations of looped grooves. In addition, there is a resampling feature that you can use to record the performance of the MOTIF XF as a single audio sample.

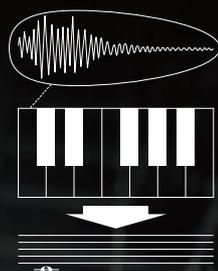
[Sample + Note]

Sample Voice

Select the note to which you want to assign the recorded sample.

MIDI data

This feature allows you to quickly and easily “fly in” samples to your Song as you need them – for example, capturing short sound effects from a CD, or recording background vocal phrases with a microphone. Sounds like these can be added to the Song as desired.



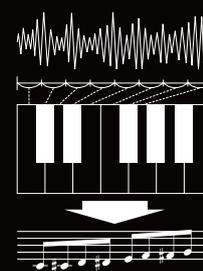
[Slice function]

Sample Voice

Slice the Sample and assign the sliced Samples to specified keys (notes) to create a Sample Voice.

MIDI Data

Slice feature lets you automatically divide the recorded sample into separate “slices”. These slices are then assigned to successive notes and arranged as MIDI data. This lets you manipulate the component parts of your sample loops as MIDI data, and gives you the power to easily change tempo and even the rhythmic feel, without disturbing the pitch or sound quality.



■ Improved User Interface

An improved User Interface with many user requested features like Tap Tempo, Drum Editing in Mix Mode, and Auto Mapping of samples* plus a new customizable UI for selecting your choice of color and positioning of key displays. This new MOTIF XF provides several design types of the LCD display for each mode. From these types, you can select the desired one according to the use scene including the music creation and live performance.

* Will be available for Motif XF in a future OS update (V1.10).

[Display Layout]



Normal



Detailed Information Of Controller



Voice Name Displayed On The Bottom



Detailed Information Of Controller Voice Name On Bottom

[Display Color]



8 color variation will be available.

04. Connect and Expand with new possibilities

Remote control and editor that make DAW integration easy

Features such as remote control (which you can use to remotely control the parameters of a DAW application on a PC from the MOTIF), various DAW templates, and simple setup features make the MOTIF XF easy to use. In particular, the integration between the MOTIF XF and Steinberg's Cubase 5 series is truly seamless. Using the Yamaha MOTIF XF Editor, you can make subtle Voice edits from your PC while checking them visually. Because the communication between the MOTIF and the editor is bi-directional, whether you're moving the knobs on the MOTIF or changing parameters with the mouse in the editor, the parameters are perfectly matched. There is even a VST3 editor for use in Cubase 5 (including AI) which lets you use your MOTIF as a VST soft synth. If you install the optional FW16E FireWire expansion board,

you can record 16 tracks of audio data to the DAW software through the audio interface. After you install the necessary drivers (AI driver, extensions for Steinberg DAW), connect the MOTIF XF to a PC using an IEEE 1394 cable, and start Cubase AI, it identifies the MOTIF XF's audio I/O and multi sound source immediately, and all you have to do to start working is select a MOTIF XF project template.

Cubase AI, a DAW software application from Steinberg

The MOTIF XF comes with a special Yamaha version of the world-renowned DAW software Cubase. Cubase AI has the same engine as Cubase 5 but has been modified to integrate more efficiently with the MOTIF.



MOTIF XF6/7/8 Rear Panel 1



MOTIF XF6/7/8 Rear Panel 2



MOTIF XF Editor



Main Display



Voice Select



Voice Edit





Cubase AI 5

Cubase AI 5 is a lean Cubase version tailored to users looking to record their music without additional bells and whistles. Based on the same core technologies as the Steinberg Cubase 5 advanced music production system, the Cubase AI 5 offers great tools for composition, recording, editing and mixing. Put it together with a piece of Steinberg hardware and Cubase AI 5 provides a full system solution for recording music in studio quality.



Piano Roll



Score

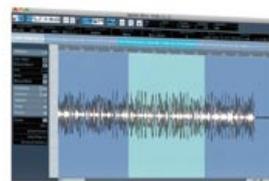
- Built on Steinberg Audio Engine
- 48 audio tracks and up to 64 MIDI tracks
- HALion ONE software sample player with selected MOTIF sounds
- Plug'n'play VST/MIDI setup with MOTIF XF Music Production Synthesizer
- Complete integration of Steinberg hardware products
- Studio Connections "Recall" as well as special product-specific functions for perfect software-hardware integration
- 31 VST effects, including 22 VST3 plug-ins
- MIDI controllers and automation consolidation



HALion ONE

The MOTIF XF is specially designed to function seamlessly with Cubase 5, Steinberg's powerful DAW software – giving you a comprehensive, all-in-one music production system in which both hardware and software are fully integrated. With using MOTIF XF Editor VST, you can effectively bring the MOTIF XF into the Cubase environment and use it just as if it were a plug-in software synthesizer – no complicated connections or complex setup necessary.

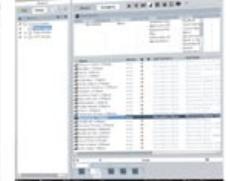
Whenever you open a project, your MOTIF XF is automatically enabled as well, with all the custom settings you previously saved. You can use the convenient panel controls on the MOTIF XF to remotely to control a wide variety of operations on Cubase 5. And since song files on the MOTIF XF are in Cubase format, you can create material on the MOTIF XF and easily import it to tracks in Cubase 5 for further editing and mixing.



Wave Edit



Mastering



Media Bay

[Minimum System Requirements]

The minimum system requirements state the minimal specification your computer must have to be able to use the software.

Mac OS

- OS Supported operating systems: Mac OS X 10.5.5 and 10.6
- CPU PowerPC G5 (Intel Core Duo CPU recommended)
- Memory 1,024 MB RAM
- HDD Size 4 GB of free HD space
- Display Display resolution 1,280 x 800 pixels recommended
- Audio Driver CoreAudio compatible audio hardware
- Others DVD-ROM drive with dual-layer support
Internet connection for license activation

Windows

- OS Supported operating systems: Windows XP SP2 (32-bit), Windows Vista and Windows 7
- CPU 2 GHz CPU (dual core CPU recommended)
- Memory 1,024 MB RAM
- HDD Size 4 GB of free HD space
- Display Display resolution 1,280 x 800 pixels recommended
- Audio Driver Windows DirectX compatible audio hardware
(ASIO compatible audio hardware recommended for low-latency performance)
- Others DVD-ROM drive with dual-layer support
Internet connection for license activation

■ Lineup

The MOTIF XF6 and XF7 have a natural FSX Keyboard (61/76 keys), while the MOTIF XF8 features the grand piano-like BH (Balanced Hammer) Keyboard (88 keys).



MOTIF XF8



MOTIF XF7



MOTIF XF6



Specifications

Keyboards	
MOTIF XF8	88 keys, Balanced Hammer Effect Keyboard (Initial Touch/Aftertouch)
MOTIF XF7	76 keys, FSX Keyboard (Initial Touch/Aftertouch)
MOTIF XF6	61 keys, FSX Keyboard (Initial Touch/Aftertouch)
Tone Generator block	
Tone Generator	AWM2, with Expanded Articulation
Polyphony	128 notes
Multi Timbra 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 bank) + 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 9 types, Chorus x 22 types, Insertion (A, B) x 53 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. 5.0125 kHz: 55 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 set.
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 4 - 5, SONAR 5.2 - 8 For Macintosh: Cubase 4 - 5, Logic 7.2 - Logic Studio, Digital Performer 5.1 - 6 *Functions to be controlled differ depending on the 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: 1,439 (W) x 466 (D) x 168 (H) mm, 28.9 kg MOTIF XF7: 1,252 (W) x 391 (D) x 122 (H) mm, 17.2 kg MOTIF XF6: 1,045 (W) x 391 (D) x 122 (H) mm, 15.1 kg
Accessories	AC Power cord, Cubase AI Disc, Owner's Manual, Data List

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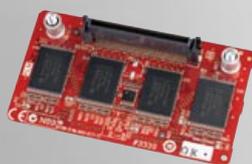
Option

[Firewire Expansion Board]



FW16E

[Flash Memory Expansion Module]



FL512M/FL1024M

[Keyboard Stand]



LG-800



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