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MUSIC SYNTHESIZER
MX49/MX61

Motif Sounds for Inspiration, Xtensive Controller Integration. It doesn't get better than this.

Bridging the gap between hardware and software

At the core of the MX series synthesizers are carefully selected sounds taken from the world famous Yamaha MOTIF XS. That powerful sound arsenal is packed into a slim and sleek package (available in 49 and 61 note versions) that fit today's on-the-go mobile life style. But the MX Series aren't just synthesizers; they are designed to bridge the gap between hardware and software. By adding extensive audio and MIDI USB connectivity and advanced DAW and VST controller features, the MX integrate hardware reliability with controller flexibility to give you the best of both worlds at a ground breaking level of affordability. Whether on stage to in the studio, the MX packs a powerful punch at minimal price.



Motif Sounds for the Stage



Over 1000 sounds from the MOTIF series

The MX series contains more than 1000 Voices derived directly from the world famous Yamaha MOTIF XS series. From realistic acoustic sounds like piano, electric piano, strings and drums to complex 8 element synth sounds, the MX has all of your favorite Motif XS voices right at your fingertips. The MX even has a streamlined interface for instant hands on selection of all those great Voices. The newly designed Category selection makes it easier than ever to find Voice you need. You can even edit and store your own sounds right on board.

VCM Effects

MX synthesizers come equipped with VCM effects, which simulate vintage effectors at the circuit level. The sounds of the '70s are brought back to life, through simulating the hard-to-find vintage sounds of equalizer, flanger, phaser, and wah effects introduced by the keyboard legends of the era.

Easy Split /Layer Performance Mode for Instant Inspiration

Performance Mode on the Motifs has always been the place to find instant inspiration and the MX is no different. You can easily combine two Voices to play on the keyboard using the dedicated Split and Layer buttons each with their own intelligent arpeggiator and a dedicated Part for a drum track to create evocative Performances that feel like a whole band is playing. The 128 Performances on the MX are all user editable, but come programmed with the latest club friendly grooves

16 Part Multi timbral and 128 note polyphony

Each Performance contains not only the three sounds described above, but all the settings for a complete 16 Part Multi setting for play. You can switch between any of the 16 Parts without the sound cutting off. With 128 notes polyphony there are plenty of notes to play even the densest sequences from your DAW. These features make the MX the perfect tone generator solution for live performance and live playback of DAW midi tracks.



Extensive Hand On Controls for VSTs and DAWs

The MX also features solid knobs and durable buttons for controlling internal sounds, DAW parameters and VST instruments. The deceptively simple interface is combined with a remote template editor on your computer so any VST you own or any new VSTs you buy can be easily setup to be controlled by the MX. There are advanced integration templates for use with a variety of DAWs. When used with Cubase there is even an AI knob so any parameter can be controlled by the large rotary encoder just by mousing over it. It's never been quicker to take full control of Cubase.

Complete Analog and Digital Connectivity

In addition to USB audio/MIDI port, the MX has a USB to Device port so you can connect USB devices for storing MX data to external memory and even playing back wave files directly from a USB stick. If you want to add a tablet or an MP3 player to your system just connect to the AUX input using a mini stereo cable and you are ready to go.

A complete suite of music production software included

The MX series is the only hardware synth in its price range to come with a complete suite of music production software tools. The included Steinberg Cubase AI features 48 audio tracks and 64 MIDI tracks, notation, built in VST effects so with just e MX and AI you can do complete productions. But we didn't stop there; it comes bundled with Steinberg Prologue and the Yamaha YC-3B organ emulator so you have some compelling VSTs to get started. Plus there are Remote Template editors for setting up controls of VSTs. Finally Yamaha has worked with some third party developers to insure that there will be fully functional cross platform editors available at release.

Bi-directional USB Audio/MID interfacing

But the MX doesn't just control software DAWs and VSTs; it's an audio interface as well. Just connect a USB cable to computer and you can monitor all the sounds from your computer via headphone output of the MX or listen to your DAW tracks by connecting the MX to external studio monitors or PA gear. The audio converters on the MX are made for professional music applications so everything on your computer even games will sound better when using the MX as the output. The MX interface is bi-directional so you can record the internal sounds of MX directly to your computer without ever going to the analog domain for the highest possible quality.

Xpanded USB Integration for the Studio



Customize and Make Your Own

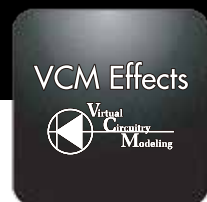
The new MX series combines Motif XS sounds, USB Audio/MIDI connectivity and advanced DAW/ VST controller features at a ground breaking level of affordability.



From realistic acoustic sounds like piano, electric piano, strings and drums to complex 8 element synth sounds, the MX has all of your favorite Motif XS voices right at your fingertips.



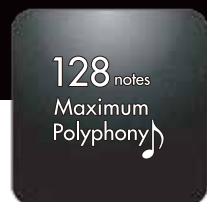
The MX series contains more than 1000 Voices so no matter what kind of music you play you can always find just the Voice need (or create your own!).



The MX features an extensive effect system—including VCM (Virtual Circuitry Modeling) Effects, REV-X Reverb Effects, and an overall Master EQ.



You can easily combine two Voices to play on the keyboard using the dedicated Split and Layer buttons.



With 128 note polyphony, there are plenty of notes to play even the densest sequences from your DAW.



Both MIDI and audio data can be transferred to and from a computer via USB—without the need for a separate audio or MIDI interface. Playback VSTs from the audio output of the MX.



There are advanced integration templates so you can use the MX to control a variety of DAWs. A remote template editor on your computer lets you control any VST with the MX.



The MX series comes with a complete suite of music production software tools including Steinberg Cubase AI Audio/MIDI DAW software and two Virtual Instruments- Steinberg's Prologue and the Yamaha's YC-3B Virtual Tone Wheel emulation.



You can record and play MIDI data, record digital audio data from this instrument directly, and monitor the DAW sound from the OUTPUT [L/MONO] jack/ [PHONES] jack.



MX synthesizers have a compact design so they are easy to carry to the gig and also fit easily into today's compact home music production studios.



(The illustration is of the MX49; however, the controls and terminals of the MX61 are the same.)



TOP PANEL

- ① **[MASTER VOLUME] knob**
Adjusts the volume of the overall sound.
- ② **Pitch Bend Wheel**
Bends the pitch of the notes up or down while playing the keyboard.
- ③ **Modulation Wheel**
Controls vibrato applied to the sound.
- ④ **Knobs [A] – [D]**
These four highly versatile knobs let you adjust various aspects or parameters of Parts 1 and 2.
- ⑤ **[KNOB FUNCTION] button**
Changes the functions assigned to Knobs [A] – [D].
- ⑥ **[PART 1-2 LINK] button**
Determines the sound which is applied to the Knob effects.
- ⑦ **[DAW REMOTE] button**
Turning on this button enters the Remote mode. The Remote mode lets you control DAW software on your computer from the panel controls of the instrument.
- ⑧ **TRANSPOSE [-]/[+] buttons**
Use these buttons to raise or lower the pitch of the notes in semitone steps.
- ⑨ **OCTAVE [-]/[+] buttons**
Use these buttons to change the note range of the keyboard.
- ⑩ **Transport buttons**
 - [■] (Stop) button
Press to stop playback of Rhythm Pattern or Song data.
 - [▶/||] (Play/Pause) button
Press to alternately start/pause playback of a Rhythm Pattern or Song data from the current point.
- ⑪ **[FILE] button**
Calls up the File display from which you can transfer files between this instrument and USB flash memory.
- ⑫ **[UTILITY] button**
Calls up the Utility display from which you can set parameters that apply to the entire system of this instrument.
- ⑬ **[EDIT] button**
Calls up the display from which you can edit a Performance.
- ⑭ **[JOB] button**
Calls up the Performance Job or Utility Job display.
- ⑮ **[STORE] button**
Stores the Performance/Voice/Utility settings.
- ⑯ **[PERFORMANCE NUMBER] display**
Indicates the number of the selected Performance.
- ⑰ **[SELECT] button**
Calls up the display from which you can select a Performance.
- ⑱ **LCD (Liquid Crystal Display)**
The backlit LCD indicates the parameters and values related to the currently selected operation or function.
- ⑲ **[DATA] dial**
Changes the selected value in the display.
- ⑳ **[SHIFT] button**
Pressing this button along with another button enables you to execute various alternate commands of the respective buttons.
- ㉑ **[INC/YES]/[DEC/NO] buttons**
For increasing/decreasing the value of the currently selected parameter.
- ㉒ **Cursor buttons**
These move the "cursor" around the display, and scroll through the pages of the edited display.
- ㉓ **[EXIT] button**
The menus and displays of the MX49/MX61 are organized according to a hierarchical structure. Press this button to exit from the current display and return to the previous level in the hierarchy.
- ㉔ **[ENTER] button**
Use this button to select the display to be edited, to define the value, and to execute a Job or a Store operation.
- ㉕ **[LAYER] button , [SPLIT] button**
These buttons respectively layer different Voices of Parts 1 and 2, and split the keyboard into left and right parts.
- ㉖ **[ARP] button**
Determines whether the Arpeggio function is applied to the entire Performance or not.
- ㉗ **[RHYTHM PATTERN] button**
Calls up the display from which you can select a Rhythm Pattern.
- ㉘ **[EXT. SONG] (External Song) button**
Calls up the display from which you can select Song data of the USB flash memory connected to the USB [TO DEVICE] terminal.
- ㉙ **[TEMPO] button**
Calls up the display from which you can set the tempo for the Arpeggio/ Rhythm Pattern/ Song.
- ㉚ **Voice Category button**
Selects a Voice category for Part 1/Part2.
- ㉛ **[PART SELECT] button**
Calls up the display from which you can select a Part from Parts 1–16 and play it.

REAR PANEL

- ㉜ **DC IN jack**
- ㉝ **[Standby/On] switch**
- ㉞ **MIDI [IN]/[OUT] terminals**
- ㉟ **USB terminals**
- ㊱ **[SUSTAIN] jack**
- ㊲ **[FOOT CONTROLLER] jack**
- ㊳ **[AUX IN] (Auxiliary Input) jack**
- ㊴ **OUTPUT [L/MONO]/[R] jacks**
Line level audio signals are output via these phone jacks. For monophonic output, use only the [L/MONO] jack.
- ㊵ **[PHONES] (Headphone) jack**

Specification

Keyboard	MX49	49 keys (Initial touch)
	MX61	61 keys (Initial touch)
Tone Generator block	Tone Generator	AWM2
	Polyphony	128 notes
	Multi-timbral Capacity	16 parts (Internal)
	Wave	Approx.166 MB (when converted to 16-bit linear format)
	Voice	Preset: 1,106 Normal Voices + 61 Drum Kits (GM: 128 Normal Voices + 1 Drum Kit) User: 128 Normal Voices + 8 Drum Kits
Performance	User: 128 (16 parts)	
Sequencer block	Sequence Play	SMF Format 0 (playback only)
	Tempo (BPM)	5 – 300
	Rhythm Pattern	208 Patterns
	Song	27 Demo Songs
	Arpeggio	999 types
Others	Sequence software compatible with the Remote Control function	For Windows®: Cubase 6 or later, SONAR X1 Producer For Mac®: Cubase 6 or later, Logic Pro 9, Digital Performer 7 *Functions to be controlled differ depending on the software
	Controllers	Pitch Bend Wheel x 1, Modulation Wheel x 1, Assignable Knob x 4, [DATA] dial x 1
	Display	3 digit LED + 20 x 2 line character LCD (backlit)

Others	Connectors	OUTPUT [L / MONO] / [R] (standard phone jack), [PHONE] (standard stereo phone jack), [FOOT CONTROLLER], [SUSTAIN], MIDI [IN] / [OUT], USB [TO HOST] / [TO DEVICE], [AUX IN], DC IN
	Power Consumption	9 W
	Dimensions, Weight	MX49: 830(W) x 298(D) x 91(H) mm, 3.8kg MX61: 984(W) x 299(D) x 112(H) mm, 4.8kg
	Accessories	AC adaptor (PA-150 or an equivalent recommended by Yamaha), Owner's Manual, Online Manual CD-ROM x 1 (containing Reference Manual, Synthesizer Parameter Manual, and Data List), DVD-ROM x 1 (containing DAW software)

Specifications and descriptions in this owner's manual are for information purposes only. Yamaha Corp. reserves the right to change or modify products or specifications at any time without prior notice. Since specifications, equipment or options may not be the same in every locale, please check with your Yamaha dealer.

Option



Footswitch (FC3, FC4 or FC5) connected to the [SUSTAIN] jack on the rear panel lets you control sustain.
*If you connect an FC3, you can use the half-damper function for some voices of the PIANO and KEYBOARD categories.
Foot controller (FC7) to the [FOOT CONTROLLER] jack on the rear panel.
*This conveniently lets you use your foot to control volume (like the volume pedal of an organ), freeing your hands for playing.

MX49



MX61

