Welcome to the new era in Synthesizers from the company that brought you the industry-changing DX and the hugely popular Motif. Building on the legacy of these two iconic keyboards, the Yamaha MONTAGE sets the next milestone for Synthesizers with sophisticated dynamic control, massive sound creation and streamlined workflow all combined in a powerful keyboard designed to inspire your creativity.
Motion Control Synthesis Engine unifies and controls two iconic Sound Engines: AWM2 (high-quality waveform and subtractive synthesis) and FM-X (modern, pure Frequency Modulation synthesis). These two engines can be freely zoned or layered across eight parts in a single MONTAGE Performance.

Interact with MONTAGE Performances using Motion Control: a highly programmable control matrix for creating deep, dynamic and incredibly expressive sound. With Motion Control, you can create new sounds not possible on previous hardware synthesizers.
Super Knob

Create dynamic sound changes from radical to sublime with the Super Knob. The Super Knob can control multiple parameters simultaneously resulting in anything you can imagine.

For example: change your listening position from right in front of an instrument to in the back seat of a concert hall. Or radically change the character of a Performance from atmospheric and mellow to rhythmic and edgy.

The Super Knob can even be assigned to a second FC7 foot controller making it easy to manipulate the sound when playing with both hands.

Motion SEQ

Motion Sequences are tempo-synchronized, completely customizable control sequences that can be assigned to virtually any synthesizer parameter and provide incredible creative new ways of programming sounds.

Motion Sequences also have dedicated controls on the front panel making it easy to manipulate and change in real-time, providing incredible interactivity and expression.

Envelope Follower

The Envelope Follower converts audio into a control source for control of virtually any synthesizer parameter. For example, a drum loop could drive effects parameters for a cool rhythm or a vocal recording could control multiple parameters for a “talking” synthesizer. The audio can even be a “live” source through the A/D input.

Sophisticated Dynamic Control

Music is expression. MONTAGE adds a new level of expression with the Motion Control Synthesis Engine. This engine allows a variety of methods to interact with and channel your creativity into finding your own unique sound.
Massive Sound Creation

MONTAGE features two Iconic Sound Engines modernized for amazing sound playback and complex sound design.

**AWM2**
Powered by proprietary Yamaha technology for data compression and sound playback, AWM2 accesses tremendous data compression without sound quality loss for unparalleled, realistic sound reproduction.

- **128-Note, Stereo polyphony**
Experience rich stereo sound without halving the available number of notes.

- **Waveform Capacity**
MONTAGE features nearly 10 times the waveform capacity of the MOTIF XF, allowing more samples per instrument for incredibly realistic and nuanced sounds.

- **Integrated Flash Memory**
MONTAGE includes 1.75 GB of user flash memory with high-speed reading/writing for your own custom samples or synth libraries from yamahasynth.com.

**FM-X**
An amazingly versatile pure-synthesizer engine capable of producing classic, 80s or cutting-edge EDM sound with incredible dynamic range, power and fidelity. MONTAGE features an 8-operator FM architecture and 128-note polyphony, allowing for a massive array of sound design options.

**Content**
Every instrument needs great content to inspire your creativity. MONTAGE features a huge range of incredible sounds like a brand-new Yamaha CFX Premium Grand Piano, detailed new strings and woodwinds and select content from the DX and TX families, all modernized to take advantage of the Motion Control Synthesis Engine.

**Effects**
From high definition reverbs to incredibly detailed Virtual Circuit Modeling (VCM) effects, MONTAGE is loaded with DSP innovation, power and, most importantly, sound quality. Use effects like the Beat Repeat, Vinyl Break or Bit Crusher to get a modern EDM sound. You can even add a compressor with sidechain for a modern “ducking” effect. Or go retro with vintage effects like Analog Delay, VCM Phaser or a variety of Amp Simulators. Piano players will appreciate piano-focused effects like Piano Resonance for a super-realistic piano experience and the HD reverbs that let you put yourself in any performance space.

**Pure Analog Circuit**
MONTAGE features professional balanced outputs with “Pure Analog Circuit” (PAC). PAC improves the quality of signal after being converted to analog from digital for clear harmonic reproduction and even frequency response. The result is an output capable of reproducing MONTAGE’s internal content expressively with power and clarity.
Streamlined Workflow

How do you want to integrate your instrument with your system? How do you want to organize the onboard content? How do you want to interact with the instrument while you play? MONTAGE answers these questions and more with a flexible, streamlined workflow.

USB Audio/ MIDI Connection
Connect MONTAGE to your computer with a single USB cable and capture every nuance of your creativity into your DAW. MONTAGE’s powerful USB driver can send 16 and receive 3 channels of STEREO 24-bit/44.1kHz digital audio from your computer or iOS device. MONTAGE is class compliant, nodriver required, no other hardware required. This USB connection also features Run MIDI support of 16 channels.*Run MIDI requires the software such as Ableton Live.

Physical Control
MONTAGE features a comprehensive set of physical controls for intuitive music making and sound creation.

• Touch Screen
Select and change parameters directly with the new color touch screen.

• Eight Rotary Encoders and Faders with Stepladder LED
Stepladder LEDs next to the faders indicate position making it easy to see where your current mix position is.

• Keyboard Action
MONTAGE is available in three different configurations:
- MONTAGE6 and 7 feature the premium FSX semi-weighted synthesizer action with aftertouch in 61 and 76 keys respectively.
- MONTAGE8 features an 88 key, fully-weighted Balanced Hammer action with aftertouch. This provides equal resistance for each key across the keyboard and is perfect for playing a variety of instruments from acoustic piano to electric piano, synth sounds, organ and more!

SSS (Seamless Sound Switching)
Seamless Sound Switching (SSS) lets you change performances seamlessly without any cut-off in envelope or effects. This is perfect for live performances where you end and start another without any pause.

A/D Input
The A/D input processes external audio sources with your instrument’s DSP. Line in, mics, guitars or any line source as an input and process with the internal effects. You can even mix these sources with the Envelope Follower or Sidechain for a truly unique sound.

LIVE SET
Live Set lets you organize your Performances however you want without copying, changing order or renaming. When a Performance is selected you can easily register it to a Live Set. This is perfect for creating gigs or even creating your own organization scheme for Performances.

Direct Control Assignment
Direct Control Assignment assigns controls at the touch of a button. Simply select a parameter, hit the Direct Control Assignment button and move the controller to control that parameter. It’s easy!

Cubase AI bundle
MONTAGE is bundled with Cubase AI, Steinberg’s professional music production software for Cubase powered recording and editing.

Motion Control Synthesis Engine
A Motion Control Synthesis Engine B Tone Generator EFFECT Tone Generator EFFECT AWM2 BW2 FM-X Insertion FX System FX Master FX AWM2 BW2 FM-X Insertion FX System FX Master FX
The MONTAGE has an immense set of impressively high-quality sounds, exceptional playability, and a sophisticated, stylish design—making this long-awaited instrument destined to be long-loved as well. The MONTAGE has an immense set of impressively high-quality sounds, exceptional playability, and a sophisticated, stylish design—making this long-awaited instrument destined to be long-loved as well.

Hardware Engineering

—Refinement in the audio output circuitry—

During the development of the MONTAGE hardware we focused on improving the performance of the audio output circuit. We devised a great deal of time and effort into its design, seeking advice from a variety of people as we built prototypes, and conducted audio tests in a repeating cycle that let us establish the direction we wanted to take. The resulting circuitry delivers more realistic harmonic content and increased clarity in the mid to high frequencies, allowing us to realize a distinctly crisp, clear tone. Reviewing the pattern used on the printed circuit board produced enhancements that led to a better signal-to-noise ratio, which, in turn, improved the interaction between the control connections from the MONTAGE made possible with a TRS balanced audio output circuit, improving the sound compared to the balance from other synthesizers.

Software Engineering

—User experience design, from a musical instrument standpoint—

From the outset, the issue of what form the ideal user interface for a musical instrument should take weighed heavily in our minds as we developed the MONTAGE. In order to achieve the ultimate feeling of unity between the player and the instrument, we've spent a full three years in creating our new CFX piano sounds, evolved FM-X offers some signature sounds that are reminiscent of the Yamaha FS1R, the FM tone generator that formed the basis of the newly-evolved MONTAGE. The FM-X offers some signature sounds that are truly legendary. We have also created some new-generation FM-X sounds using the same code as the MOTIF, which allows us to provide users with the latest FM sound effects. We've enhanced the tone generator LSI control to allow for greater stability in the polyphony and features fine-tuned processing algorithms. A hardware-based LFO is used, to achieve greater stability in the LFO, and for greater control. The Motion Control concept was rooted in our desire to create a new and better analog tonal sound, they present difficulties in controlling the sound of real instruments. Although DAWs offer exceptional power in terms of controlling the output circuit) improves the sound conveyed to the listener still more.

Mechanical Engineering

For the external design of the MONTAGE, we worked to realize the ideas of the designer and the production engineers, while meeting a slew of requirements for productivity, user interface, and more. The MONTAGE was based on the idea of offering the best of both worlds by using both a touch screen and physical knobs and buttons. However, when we actually played the finished MONTAGE, we realized that our concept of offering the best of both worlds by using both a touch panel and physical knobs and buttons was impracticable. In addition to the regular assignment of well-known standards, all of the new sounds are designed specifically for performance, and careful attention has been paid to how they match your playing on the keyboard. We hope that the new sounds of the MONTAGE will inspire you to create new music.

Product Planning

Our planning concept for the MONTAGE was based on the idea of providing a high-quality, user-friendly control system of sounds that synthesizers have never seen before. According to DAWs, the concept of the MONTAGE control panel was rooted in our desire to make instruments thinner and more dynamic, as well as more interactive and emotional. Motion Control is a new way to express sounds through multidimensional and rhythmic changes in sound. Super Knobs light up in different colors with the right and left arms which are crossed to create an “ Investors in the MOTIF, we've enhanced the “bread-and-butter” sounds of the MOTIF, which are enhanced further using the placed in the arranger section. We've also enhanced the pattern use on the printed circuit board producing enhancements that led to a better signal-to-noise ratio, which, in turn, improved the interaction between the control connections from the MOTIF made possible with a TRS balanced audio output circuit, improving the sound compared to the MOTIF.

Technology Development

The FM-X tone generator equipping the MONTAGE is an evolved version of our FM tone generator in Yamaha’s DTX. We enhanced the FM tone generator’s evolving abilities to allow for fast changes in sound on Motif Control. In order to ensure smooth response, the MONTAGE has been given 128-note polyphony and features fine-tuned processing algorithms. A hardware-based LFO is used, to achieve greater stability in the LFO, and for greater control. The Motion Control concept was rooted in our desire to create a new and better analog tonal sound, they present difficulties in controlling the sound of real instruments. Although DAWs offer exceptional power in terms of controlling the output circuit) improves the sound conveyed to the listener still more.

Sound Engineering

With the MONTAGE we’ve gone back to the beginning, asking ourselves the question, “What kind of sound does the user want?” In this development, we subjected ourselves to the intense scrutiny of the audience, presenting the MONTAGE as a medium through which the player and the audience can experience the feeling of unity between the instrument as the form and details that give it a feeling of speed—and bring you the greatest level of performance and satisfaction possible.