



SHARING PASSION & PERFORMANCE

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English

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MUSIC SYNTHESIZER

MONTAGE

Music in Motion

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

Motion Control Synthesis Engine unifies and controls two iconic Sound Engines: AWM2 (highquality 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.



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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.













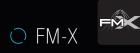
MONTAGE features two Iconic Sound Engines modernized for amazing sound playback and complex sound design.

Integrated Flash Memory

<u>⊿umz</u> ◯ AWM2

• 128-Note, Stereo polyphony

Waveform Capacity



🔿 Content



Compatibility

Bösendorfer Piano



○ Pure Analog Circuit

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.

O USB Audio/MIDI Connection



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192kHz [mode





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○ SSS (Seamless Sound Switching)



○ A/D Input

O Physical Control

• Touch Screen

Seamless Sound



• Eight Rotary Encoders and Faders with Stepladder LED

Keyboard Action

O LIVE SET

in 1. LiveSet		B B ~	. 90 III O
Preset	✓ Peet Best of Mo	ntage 1	~
CFX + FM EP PANO CEX+FM EP	Wax And Wane	Pearly Gates CHILL OUT STyle ASP	DJ Montage
	Ocean Pad	FM Sweeping Poly	Tektonic Dub DANCE Style ARP GTNU 30 644
	Seattle Sections STRING Cromoble CON Econ	FM Linear Synth	Particles in Space
All 9 Barst Ofician 1014 Kois	8 Amps and a TC LOUITAR Clean CON North	Multi-Saw with M····	Turn It On SYN PAD GT No. (0) Keep
	CFX +	FM EP	Contract 23

○ Direct Control Assignment



Cubase Al bundle

production application that offers DOWNLOAD VERSION



Message from Engineer

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.

Product Planning

Our planning concept for the MONTAGE was based on the idea of providing fine-tuned appeal as a

controller of sound, as synthesizers were originally meant to do. Although DAWs offer exceptional power in terms of controlling sound, they present difficulties in controlling the sound of realtime performances with emotion, since they are basically sound production tools. The Motion Control concept was rooted in our desire to make instruments freer and more dynamic, as well as more interactive and emotional. Motion Control is a new way to express sound through multi-dimensional and rhythmical changes in sound. The Super Knob lights up in different colors with the changing sound, and the LED lights on the eight knobs come alive. The emotions of the player rise to create the ultimate sound, as the player and instrument engage in a dialogue accompanied by sound and light. This is the kind of musical instrument we've been aiming for.

With the MONTAGE we decided not to compromisewe've made the "bread-and-butter" sounds of the MOTIF series that have received critical acclaim even better. We've also equipped the MONTAGE with a revitalized FM tone generation—the new-generation FM-X—which delivers real synthesis in a synthesis that has taken FM synthesis to a whole new level.

All of this is part of the appeal of a next-generation synthesizer from Yamaha that balances tradition with revolutionary sound: the MONTAGE.

Hardware Engineering

-Refinements in the audio output circuitry-

During the development of the MONTAGE hardware we focused on improving the performance of the audio output circuitry. We devoted a great deal of time and effort to 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 natural harmonic content and a greater clarity in the mid- to high- frequencies, allowing us to realize a distinctively crisp, clear tone. Reviewing the pattern used on the printed circuit board

produced enhancements that led to a better signal-tonoise ratio, which, in combination with the low noise

connections from the MONTAGE (made possible with a TRS balanced audio output circuit) improves the sound conveyed to the

Mechanical Engineering

For the external design of the MONTAGE, we worked to realize the intentions of the designer and the producer as faithfully as possible, while meeting a slew of requirements for productivity, ease of use, safety, and more, Moreover, the MONTAGE was

designed specifically to offer the player a greater feeling of precision.

For the first time in more than a dozen years, we've used extruded aluminum for the control panel, and shaped the plastic on the left and right arms-which are covered with a coating referred to as "peach-skin"-with multiple curves to give the instrument a dynamic form. We've also renovated the primary controllers to make them fit the hand better and to make them look more beautiful, even when turned off. Although a curvier form is more challenging to design, we paid

special attention to minutiae such as the spacing between the button areas, and the fitting edges between the left and right

B. R. M. B. Martin

arms, panel, and keyblocks to offer a feeling of precision throughout. We hope that you'll appreciate the thought that went into the design of the MONTAGE.

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 recent years, technology such as smartphones and tablets have rapidly become commonplace, and touch panels have gained wide acceptance thanks to the intuitive operation

Sound Engineering

With the MONTAGE we've gone back to the beginning, asking ourselves the question, "what kind of sound content should a new-generation flagship synthesizer have?" The two core goals we set ourselves in developing the sounds for the MONTAGE were (1) to fully refine the array of standard acoustic sounds that received such acclaim in the MOTIF series; and (2) to allow new sonic



they allow. That said, when we considered the need for a musical instrument to respond quickly and positively during use and performance we realized that physical buttons and knobs are something that a touch panel cannot easily

touch panel, or only physical 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 spoton. In addition to usability tests, we have gathered opinions from a number of musicians as well. We'd like you to get your hands on the MONTAGE and put it to good use.

Technology Development

The FM-X tone generator equipping the MONTAGE is an evolved version of the FM tone generator in Yamaha's FS1R. We've enhanced the tone generator LSI control to allow for fluid changes in sound via Motion Control. In order to ensure smooth response, the MONTAGE has been given 128-note polyphone and features fine-tuned processing algorithms. A hardware-based LFO is used, to achieve greater stability in LFO modulation. The combination of the FM-X tone generator with AWM2 tone generation, effects, and Motion Control allows the MONTAGE to bring a wholly-new sound to life—one that we sincerely hope you will enjoy.

expression through our new concept, Motion Control. We spent a full three years in creating our new CFX piano sound, which offers outstanding quality. Although the FM tone generator that formed the basis of the newlyevolved FM-X offers some signature sounds that are Frankly, it is easier to develop a product that uses only a truly legendary, we have also created sounds for the MONTAGE that are in tune with the times. These sounds let you use the Motion Sequencer, Arpeggio and Super Knobs together, amassing an expressive power that is leaps and bounds ahead of any hardware synthesizer to date. In addition to the regular assortment 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 itself.

> We hope that the new sounds of the MONTAGE will inspire you to create new music.

Product Design

Our goal when we took on the design of the MONTAGE was to realize the ultimate feeling of unity between the keyboardist and their audience.

The dynamic character lines of the keyboard that extend outwards to the left and right from the front of the instrument seem to flow towards the audience, giving a sense an acceleration to the perceived intentions of the player. Conversely, the concave shape of the rear of the keyboard expresses a feeling of smooth and definite acceptance of the excitement of the audience, presenting the MONTAGE as a medium through which the player and the audience can experience the feeling of being as one. This concave aesthetic is also evident in the convenientlyplaced Super Knob, as well as in the slider knobs and each of the buttons, and in the flanges around the LCD. These features have been designed to improve the sense of connection between your fingers with the instrument, and make it easier to operate.

We're sure that the power of the MONTAGE-as well

as the form and details that give it a feeling of speedwill bring you the greatest level of performance and satisfaction possible.







Top Panel

- 1 Pitch Bend wheel
- 2 Modulation wheel
- 3 Ribbon Controller
- 4 [ASSIGN 1] and [ASSIGN 2] buttons (Assignable switches 1 and 2) 20 SEQ TRANSPORT button
- (MOTION SEQ HOLD] (Motion Sequencer hold) button
- 6 [MOTION SEQ TRIGGER] (Motion Sequencer trigger) button
- (MASTER VOLUME) slider
- 8 A/D INPUT [GAIN] knob
- 9 A/D INPUT [ON/OFF] button
- 10 Knob Function [TONE]/[EQ/FX]/[ARP/MS] button
- (MULTI) (Multi Part control) button
- (12 [ARP ON/OFF] (Arpeggio on/off) button
- 13 [MOTION SEQ ON/OFF] (Motion Sequencer on/off) button
- 14 Knobs 1 8
- 15 Control Sliders 1 8
- **16** SCENE [1] [8] buttons

- (17) [ASSIGN] button
- 18 KNOB POSITION [1] and [2] buttons
- 19 Super Knob
- 21 OCTAVE [-] and [+] buttons
- 22 [CONTROL ASSIGN] button
- 23 Touch panel LCD
- 24 Data dial
- 25 [INC/YES] button
- 26 [DEC/NO] button
- 27 Cursor buttons
- 28 [EXIT] button
- (ENTER) button
- 30 [PERFORMANCE] button
- 31 (UTILITY) button
- 32 [EDIT] button

- 33 [STORE] button 34 [SHIFT] button
- 35 [LIVE SET] button
- 36 [CATEGORY SEARCH] button
- 37 [PERFORMANCE CONTROL] button
- 38 [PART CONTROL] button
- 39 [AUDITION] button
- 40 PART [COMMON] button
 - 41 ELEMENT/OPERATOR [COMMON] button
 - 42 Number A [1] [16] buttons
 - 43 Number B [1] [8] buttons
 - 44 Number C [1] [8] buttons
 - 45 PART (MUTE) button
 - 46 PART [SOLO] button
 - 47 ELEMENT/OPERATOR [MUTE] button
 - 48 ELEMENT/OPERATOR [SOLO] button

Rear Panel

- 1 [STANDBY/ON] switch 2 [AC IN] (AC Power Cord Socket) 3 [USB TO DEVICE] terminal 4 [USB TO HOST] terminal 5 MIDI [IN], [OUT], [THRU] terminal 6 FOOT SWITCH [ASSIGNABLE]/[SUSTAIN] jacks 7 FOOT CONTROLLER [1]/[2] jacks 8 ASSIGNABLE OUTPUT (BALANCED) [L] and [R] jacks (TRS balanced output)
- 9 OUTPUT (BALANCED) [L/MONO] and [R] jacks (TRS balanced output)
- (10 [PHONES] (Headphone) jack
- 1 A/D INPUT [L/MONO]/[R] jacks

- Tone Generator Tone Generator Multi Timbral Parts Wave Performance Filter Sequencer Note Capacity Fempo (BPM) Sequence Format Motion Sequencer Other

 - Power Consumption Accessories
 - Options

Specifications

Dimensions

Control Interface

Keyboard Action

	MONTAGE 8	MONTAGE 7	MONTAGE 6		
/idth	1,450 mm (57-1/16")	1,244 mm (49")	1,037 mm (40-13/16")		
eight	170 mm (6-11/16")	131 mm (5-3/16")	131 mm (5-3/16")		
epth	460 mm (18-1/8")	396 mm (15-9/16")	396 mm (15-9/16")		
/eight	29 kg (63 lbs., 15 oz.)	17 kg (37 lbs., 8 oz.)	15 kg (33 lbs., 1 oz.)		
oigin	2010 (00 1001) 10 021)		10 119 (00 1001) 1 021)		
umber of Keys	88	76	61		
pe	Balanced Hammer Effect Keyboard	FSX Keyboard	FSX Keyboard		
tial Touch	Yes	Yes	Yes		
tertouch	Yes	Yes	Yes		
	Motion Control Synthesis Engine AMW2: 8 Elements FM-X: 8 Operators, 88 Algorithms				
	AWM2: 128 (max.; stereo/mono waveforms) FM-X: 128 (max.)				
	16 Parts (internal), Audio Input Parts (A/D* ¹ , USB* ¹) *1 stereo Part				
	Preset: 5.67 GB (when converted to 16-bit linear format), User: 1.75 GB				
		Approx. 1,900			
	18 types				
	Reverb x 12 types, Variation x 76 types, Insertion (A, B) x 76 types ⁴² , Master Effect x 15 types *2 A/D part insertion x 71 types <preset are="" as="" each="" effect="" for="" of="" parameters="" provided="" settings="" templates="" type=""> Master EQ (5 bands), 1st part EQ (3 bands), 2nd part EQ (2 bands)</preset>				
_	2 A/D part insertion X / T types < reset settings for parameter	s of each effect type are provided as templates> master	EQ (5 banus), Tst part EQ (5 banus), 2nu part EQ (2 ban		
_	Approx. 130,000 notes				
	480 ppg (parts per quarter note)				
	5 – 300				
ongs		64 songs			
acks	16 Sequence tracks, Tempo track, Scene track				
cording type					
0 71	M	ONTAGE original format, SMF formats 0, 1			
irt	8 Parts simultaneous (max.)				
eset	Approx. 10,000 types				
ser	256 types				
ine		8 + 1 Lanes (max.)			
	Preset: 128 and more, User: 2,048				
	Master Volume, AD Input Gain knob, Pitch	Bend wheel, Modulation wheel, Ribbon Co Super Knob, Data dial	ntroller, Control Sliders x 8, Knobs x 8,		
	7" TFT Color Wide VGA LCD touch screen				
	[USB TO DEVICE] [USB TO HOST] MIDL[IN]/[OUT	1/ITHRUI, FOOT CONTROLLER [11/[2], FOO	T SWITCH [ASSIGNABLE]/[SUSTAIN], OUTF		
	(BALANCED) [L/MONO]/[R] (6.3 mm, Balanced				
	(BALANCED) [L/MONO]/[R] (6.3 mm, Balanced	I TRS jacks), ASSIGNABLE OUTPUT (BALAN			

Foot Pedal



Foot Switch



Foot controller

Kevboard stands



Lineup

MONTAGE8



MONTAGE7



MONTAGE6



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