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Yamaha M6

Yamaha MONTAGE M6 61-Key Synthesizer User Manual

Model: MONTAGE M6

1. INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Yamaha MONTAGE M6 61-Key Synthesizer. The MONTAGE M6 is a flagship music synthesizer designed for advanced sound exploration and expressive control, featuring FSX action with aftertouch. It incorporates three sound engines: AN-X for analog synthesis, FM-X for frequency modulation synthesis, and AWM2 for ultra-realistic instrument sounds. The Motion Control engine offers dynamic real-time sound manipulation, and the Expanded Softsynth Plugin allows for seamless integration with digital audio workstations.

Please read this manual thoroughly to ensure proper use and to maximize the potential of your instrument.

2. SETUP

2.1 Unpacking and Inspection

Carefully remove the MONTAGE M6 from its packaging. Retain all packing materials for future transport or storage. Inspect the instrument for any signs of damage that may have occurred during shipping. If any damage is found, contact your dealer immediately.

2.2 Connecting Power

Connect the supplied AC power cord to the AC IN jack on the rear panel of the MONTAGE M6 and then to a suitable AC outlet. Ensure the power switch is in the OFF position before connecting. The power switch is located on the rear panel.



Rear view of the Yamaha MONTAGE M6 synthesizer, showing various input/output ports and the power switch.

2.3 Audio Connections

The MONTAGE M6 features multiple audio output options. For stereo output, connect the L/MONO and R OUTPUT jacks to your amplifier, mixer, or audio interface using 6.35mm (1/4-inch) TS or TRS cables. For headphone monitoring, connect headphones to the PHONES jack.

2.4 MIDI and USB Connections

For MIDI communication with external devices, use the MIDI IN/OUT/THRU ports. For connection to a computer, use a standard USB cable to connect the USB TO HOST port on the MONTAGE M6 to a USB port on your computer. This enables MIDI and audio data transfer, as well as use with the Expanded Softsynth Plugin.

2.5 Initial Power-On

After all connections are made, switch the power ON. The instrument will boot up, and the main display will show the default performance or home screen. Adjust the MASTER VOLUME knob to a low level before playing.



Front view of the Yamaha MONTAGE M6 synthesizer, showcasing the 61-key keyboard, control panel, and display.

3. OPERATING INSTRUCTIONS

3.1 Basic Navigation and Sound Selection

The MONTAGE M6 features a large color touchscreen display and various hardware controls for navigation. Use the CATEGORY search function to quickly find desired sounds (Performances). Turn the DATA DIAL to scroll through options and press it to confirm selections. The SCENE buttons allow for instant recall of different settings within a Performance.

Close-up of the Yamaha MONTAGE M6 control section, featuring the Super Knob and various performance controls.

3.2 Sound Engines (AWM2, FM-X, AN-X)

The MONTAGE M6 combines three powerful sound engines:

- **AWM2 (Advanced Wave Memory 2):** Provides high-quality, sample-based sounds, including pianos, strings, and orchestral instruments.

- **FM-X (Frequency Modulation Synthesis):** Offers dynamic and expressive FM synthesis with complex modulation capabilities.
- **AN-X (Analog Modeling Synthesis):** Recreates the warmth and character of vintage analog synthesizers.

These engines can be layered and combined within a single Performance for rich, complex sounds.

3.3 Motion Control Synthesis Engine

The Motion Control Synthesis Engine allows for real-time manipulation of sound parameters. The **Super Knob** is a central control that can be assigned to multiple parameters simultaneously, enabling dramatic sound transformations with a single turn. Motion Sequences provide rhythmic and melodic control over parameters, adding movement and evolution to your sounds.



Detailed view of the Yamaha MONTAGE M6's faders and associated controls, used for adjusting sound parameters.

3.4 Seamless Sound Switching (SSS)

The Seamless Sound Switching (SSS) feature allows you to change Performances without cutting off the sound of the previous Performance. This is particularly useful for live performances, ensuring smooth transitions between different sounds.

3.5 Expanded Softsynth Plugin

The MONTAGE M6 includes an Expanded Softsynth Plugin, which allows you to replicate the instrument's capabilities within your favorite Digital Audio Workstation (DAW). This provides deep computer connectivity and integration for studio production.

Your browser does not support the video tag.

Official video demonstrating the key features and sound capabilities of the Yamaha MONTAGE M6.

Your browser does not support the video tag.

In-depth tutorial video covering advanced functions and sound design on the Yamaha MONTAGE M6.

4. MAINTENANCE

4.1 General Care and Cleaning

To maintain the appearance and functionality of your MONTAGE M6, regularly wipe the surface with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and then dry thoroughly. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish and electronic components. Keep the instrument away from direct sunlight, extreme temperatures, and high humidity.

4.2 Software Updates

Periodically check the official Yamaha website for firmware updates. Updates can provide new features, performance enhancements, and bug fixes. Follow the instructions provided with the update package carefully to avoid damaging the instrument.

5. TROUBLESHOOTING

If you encounter issues with your MONTAGE M6, refer to the following common troubleshooting steps:

- **No Sound Output:**

- Check that the MASTER VOLUME knob is turned up.
- Verify all audio cables are securely connected to the correct input/output jacks.
- Ensure your amplifier, mixer, or speakers are powered on and functioning correctly.
- Check the Performance settings to ensure parts are not muted or volume is not set to zero.

- **MIDI/USB Connectivity Issues:**

- Ensure the USB cable is properly connected to both the MONTAGE M6 and your computer.
- Install the latest Yamaha USB-MIDI driver for your operating system.
- Check MIDI settings within the MONTAGE M6 and your DAW.

- **Unexpected Behavior/Freezing:**

- Try restarting the instrument by turning the power off and on again.
- Perform a factory reset (refer to the full owner's manual for instructions, as this will erase user data).
- Ensure the firmware is up to date.

If the problem persists, contact Yamaha customer support or your authorized dealer.

6. SPECIFICATIONS

| Feature | Specification |
|-------------------------|-----------------------------|
| Model Name | MONTAGE M6 |
| Number of Keyboard Keys | 61 |
| Key Action | FSX with Aftertouch |
| Sound Engines | AWM2, FM-X, AN-X |
| Polyphony | 400-note total |
| Dimensions (L x W x H) | 40.81 x 15.56 x 5.19 inches |
| Item Weight | 33.06 Pounds |

| Feature | Specification |
|------------------|--------------------------|
| Material | Metal casing |
| Connector Type | 6.35mm Jack (Audio Out) |
| USB Connectivity | USB TO HOST (MIDI/Audio) |
| Manufacturer | Yamaha |

7. WARRANTY INFORMATION

The Yamaha MONTAGE M6 is covered by a manufacturer's warranty. Specific warranty terms and conditions may vary by region and retailer. Please refer to the warranty card included with your product or visit the official Yamaha website for detailed information regarding warranty coverage, duration, and service procedures.

8. SUPPORT

For further assistance, technical support, or to download the full owner's manual and drivers, please visit the official Yamaha website:

www.yamaha.com

You may also contact your authorized Yamaha dealer for local support and service.