

Yamaha AG06MK2

Yamaha AG06MK2 6-Channel Live Streaming Loopback Mixer/USB Interface Instruction Manual

Model: AG06MK2 | Brand: Yamaha

1. INTRODUCTION

The Yamaha AG06MK2 is a versatile 6-channel live streaming mixer and USB audio interface designed for various audio production needs. It features two phantom-powered microphone inputs, flexible input options including a 4-pole mini jack (TRRS) for smartphone connectivity, and a LOOPBACK function. The unit integrates DSP effects and is compatible with Steinberg software for enhanced control and production capabilities. This manual provides essential information for setting up, operating, and maintaining your AG06MK2 mixer.

2. KEY FEATURES

- 6-channel live streaming mixer with a USB audio interface.
- DSP effects, LOOPBACK function, and a mute button designed for live streaming.
- Two phantom-powered mic inputs for condenser microphones.
- AG Controller for Windows/Mac and iOS allows intuitive and precise control of onboard DSP.
- Ships with Cubase AI music production software, WaveLab Cast for streaming audio production and editing.

3. SETUP GUIDE

Follow these steps to set up your Yamaha AG06MK2 mixer for optimal performance.

- 1. Power Connection:** Connect the supplied power adapter to the 5V DC input on the rear panel of the mixer. Ensure the power switch is in the OFF position before connecting.
- 2. USB Connection:** Connect the AG06MK2 to your computer using a USB cable. The mixer functions as a USB audio interface.
- 3. Microphone/Instrument Connections:**
 - For condenser microphones, connect to the XLR/TRS combo jacks (Channels 1-2) and activate +48V phantom power if required.
 - For line-level instruments (e.g., keyboards), use the 1/4" TRS jacks (Channels 3/4, 5/6).
 - For guitars, use the Hi-Z input on Channel 2.
 - For smartphones or other portable devices, use the 1/8" 4-pole mini I/O (TRRS) jack.

4. **Output Connections:** Connect your monitoring headphones to the HEADSET or PHONES jack. Connect your speakers or recording device to the STEREO OUT or MONITOR OUT jacks.
5. **Software Installation:** Install the necessary drivers and Steinberg software suite (Cubase AI, WaveLab Cast) from the Yamaha website for full functionality and advanced control.



Figure 3.1: Top view of the Yamaha AG06MK2 mixer, showing all controls and inputs/outputs. This image illustrates the compact design and comprehensive control layout.



Figure 3.2: Rear panel of the Yamaha AG06MK2, highlighting the 5V DC power input and USB 2.0 port for computer connection. This view is crucial for understanding power and data connectivity.

4. OPERATING INSTRUCTIONS

The AG06MK2 offers intuitive controls for managing your audio.

- **Gain Control:** Adjust the GAIN knobs for each channel to set the input level. Monitor the PEAK indicators to avoid clipping.
- **Equalization (EQ):** Use the HIGH and LOW knobs to adjust the tone of your audio signals.
- **DSP Effects:** The mixer includes built-in DSP effects. Use the dedicated EFFECT knob to apply and adjust reverb or other effects to your channels.
- **LOOPBACK Function:** This feature allows you to mix all input signals with audio from your computer and send the combined signal back to the computer for streaming. This is ideal for live streaming with background music or sound effects.
- **Mute Button:** Use the MUTE button to instantly silence specific channels.
- **Monitoring:** Adjust the MONITOR knob to control the overall output level to your headphones or monitor speakers.
- **AG Controller Software:** For advanced control over DSP settings, routing, and other parameters, connect your AG06MK2 to a computer or iOS device and use the AG Controller application.



Figure 4.1: Close-up view of the AG06MK2 controls, showing gain, EQ, and effect knobs. This image helps users identify and understand the function of each control.

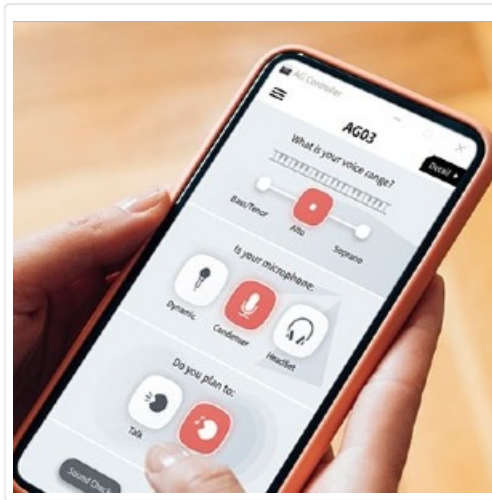


Figure 4.2: The AG06MK2 connected to a microphone, illustrating a typical setup for vocal recording or streaming. This image provides a visual context for microphone input.

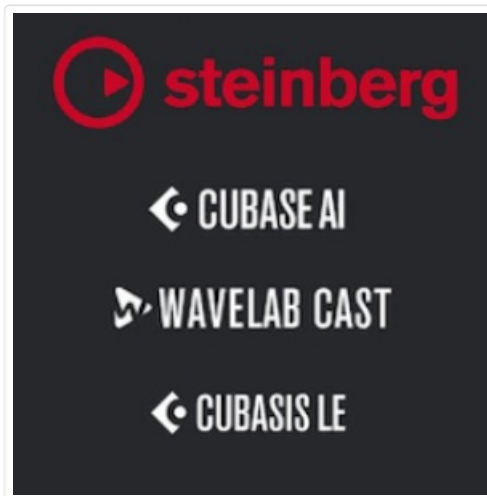


Figure 4.3: A smartphone displaying the Yamaha AG Controller app, demonstrating remote control capabilities for the mixer. This image highlights the software integration for advanced settings.

5. MEDIA GALLERY

Product Images



Image 5.1: Angled view of the Yamaha AG06MK2 mixer, showcasing its compact form factor and accessible controls. This perspective helps visualize the mixer's footprint on a desk.



Image 5.2: Side view of the Yamaha AG06MK2, emphasizing its slim profile and robust construction. This image provides a different angle to appreciate the mixer's design.



Image 5.3: The Yamaha AG06MK2 with various cables connected, demonstrating a typical setup with multiple audio sources. This visual aid helps users understand cable management and connectivity.



Image 5.4: Both black and white versions of the Yamaha AG06MK2 mixers displayed side-by-side. This image shows the available color options for the product.

Official Product Videos

AG MKII Streaming mixers and microphones

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This video from Yamaha Musical Instruments provides an overview of the AG MKII series streaming mixers, including the AG06MK2, and compatible microphones. It highlights key features and potential applications for live streaming and audio production.

Multi-Input & Effects, Great For Live Streaming! (Review)

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This seller-created video demonstrates the multi-input capabilities and built-in effects of the Yamaha AG06MK2, emphasizing its suitability for live streaming scenarios. It offers a quick look at how different audio sources can be managed.

Wish I Knew This Before Spending.

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A short video from a seller offering insights into the Yamaha AG06MK2, potentially covering aspects that users might find useful before purchase. This preview-style video provides a brief overview of the product's functionality.

6. SPECIFICATIONS

Feature	Detail
Item Weight	2.81 pounds
Product Dimensions	10 x 8 x 4 inches
Model Number	AG06MK2 B
Color Name	Black
Compatible Devices	Personal Computer
Hardware Interface	USB
Power Source	Corded Electric
Number of Channels	6
Connectivity Technology	USB

7. TROUBLESHOOTING

If you encounter issues with your AG06MK2, consider the following:

- **No Power:** Ensure the power adapter is securely connected to both the mixer and a working electrical outlet. Check the power switch on the mixer.
- **No Sound Output:** Verify all cables (microphones, instruments, speakers, headphones) are correctly connected. Check volume levels on all channels and the master monitor output. Ensure the correct input source is selected on your computer/device.
- **Distorted Sound:** Reduce the GAIN levels on input channels to prevent clipping (indicated by PEAK LEDs). Check for damaged cables or faulty connections. Ensure your speakers/headphones are not overdriven.
- **Effects Not Applied:** Confirm that the EFFECT knob is turned up and that the desired effect program is selected.
- **Microphone Issues:** For condenser microphones, ensure +48V phantom power is activated. Check microphone cable integrity.

8. MAINTENANCE

To ensure the longevity and optimal performance of your Yamaha AG06MK2, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight, extreme temperatures, and humidity. When not in use, cover the unit to protect it from dust.
- **Handling:** Avoid dropping or subjecting the mixer to strong impacts. Do not place heavy objects on top of the unit.
- **Cable Care:** Regularly inspect all cables for signs of wear or damage. Replace any frayed or damaged cables to prevent audio issues and potential hazards.

9. WARRANTY & SUPPORT

The Yamaha AG06MK2 comes with a manufacturer's warranty. Please refer to the warranty information provided with

your product packaging or visit the official Yamaha website for detailed terms and conditions. For technical support, product registration, and additional resources, please visit the Yamaha support portal or contact their customer service directly.