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Yamaha AG03MK2 B

Yamaha AG03MK2 Live Streaming Mixer/USB Interface User Manual

Model: AG03MK2 Black | Brand: Yamaha

INTRODUCTION

The Yamaha AG03MK2 is a versatile 3-channel live streaming mixer and USB audio interface designed for a variety of audio applications, including live streaming, podcasting, and music production. It features a 60mm fader for main input, a selection of inputs and outputs, built-in DSP effects, and a convenient LOOPBACK function. This model includes a newly added 1/8" 4-pole mini i/o (TRRS) for smartphone compatibility and a dedicated mute button, enhancing its utility for modern streaming needs. Its robust build, refined design, and improved internal circuitry ensure reliable and high-quality performance.

SETUP GUIDE

Proper setup ensures optimal performance of your AG03MK2 mixer. Follow these steps to connect your device and begin using it.

1. Power Connection

Connect the provided USB cable to the USB 2.0 port on the rear of the AG03MK2 and to your computer. The unit can be powered via USB from your computer. For stable operation or when connecting to an iOS device, use a 5V DC power adapter (sold separately) connected to the 5V DC port.



Figure 1: Rear panel of the AG03MK2, highlighting the 5V DC and USB 2.0 connections for power and data transfer.

2. Input Connections

The AG03MK2 offers various input options for microphones, instruments, and other audio sources.

- **Microphone Input (Channel 1):** Use the XLR/TRS combo jack for connecting a condenser microphone (requires +48V phantom power, activated by the +48V button) or a dynamic microphone.
- **Guitar/Line Input (Channel 2/3):** Connect a guitar or line-level instrument to the 1/4" jack. Use the "2G Guitar" switch for guitar input.
- **Stereo Line Input (Channel 2/3):** Use the RCA (L/R) inputs for connecting stereo line-level devices such as keyboards or media players.
- **4-Pole Mini I/O (TRRS):** Connect a smartphone or tablet using a 4-pole mini cable for integrated audio input and output, ideal for mobile streaming.
- **Headset Input:** Connect a headset with a 3.5mm TRRS plug for microphone and headphone functionality.

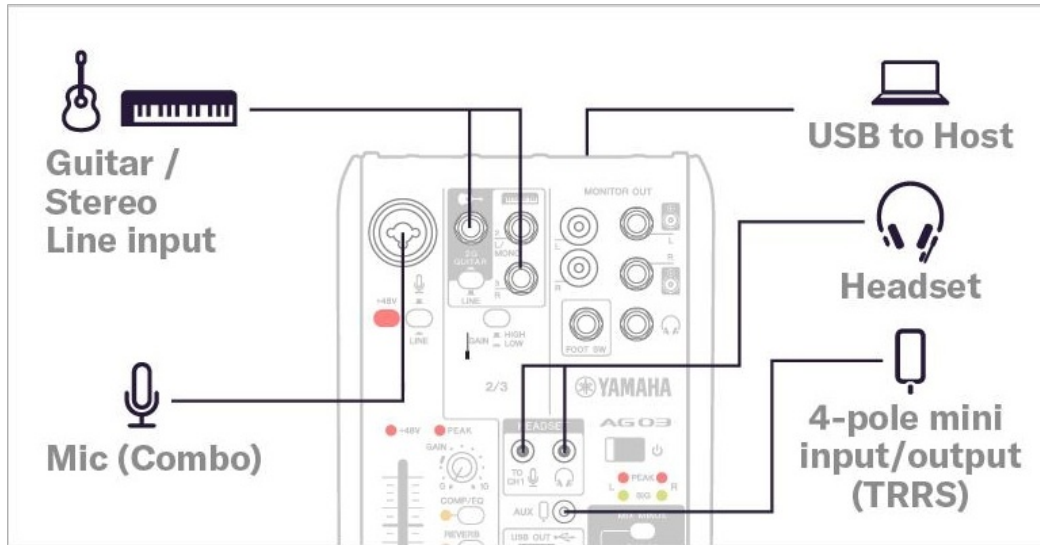


Figure 2: Overview of input connections including Mic (Combo), Guitar/Stereo Line input, USB to Host, Headset, and 4-pole mini input/output (TRRS).

3. Output Connections

Monitor your audio and send it to external devices.

- **Monitor Out:** Connect studio monitors or powered speakers using the 1/4" TRS or RCA outputs.
- **Headphone Out:** Use the 1/4" stereo headphone jack for personal monitoring.

OPERATING THE AG03MK2

The AG03MK2 is designed for intuitive operation, allowing you to control your audio with ease.

1. Basic Controls

- **Gain Knobs:** Adjust the input sensitivity for each channel.
- **Fader (Channel 1):** Control the volume of the main microphone input.
- **Mute Button:** Instantly mute the main input, crucial for live streaming.
- **Monitor Knobs:** Adjust the headphone and monitor output levels.



Figure 3: Top panel controls of the AG03MK2, including the main fader, gain knobs, and mute button.

2. DSP Effects

The AG03MK2 features onboard DSP effects to enhance your audio without latency. These include COMP/EQ for dynamic control and equalization, and REVERB for adding spatial depth.



Figure 4: The AG03MK2 utilizes a dedicated Digital Signal Processor (DSP) for real-time audio effects.

3. LOOPBACK Function

The LOOPBACK function allows you to combine all input signals (microphone, instruments) with audio playback from your computer (e.g., background music, sound effects) and send the combined mix back to your streaming software. This is essential for professional-sounding live streams.

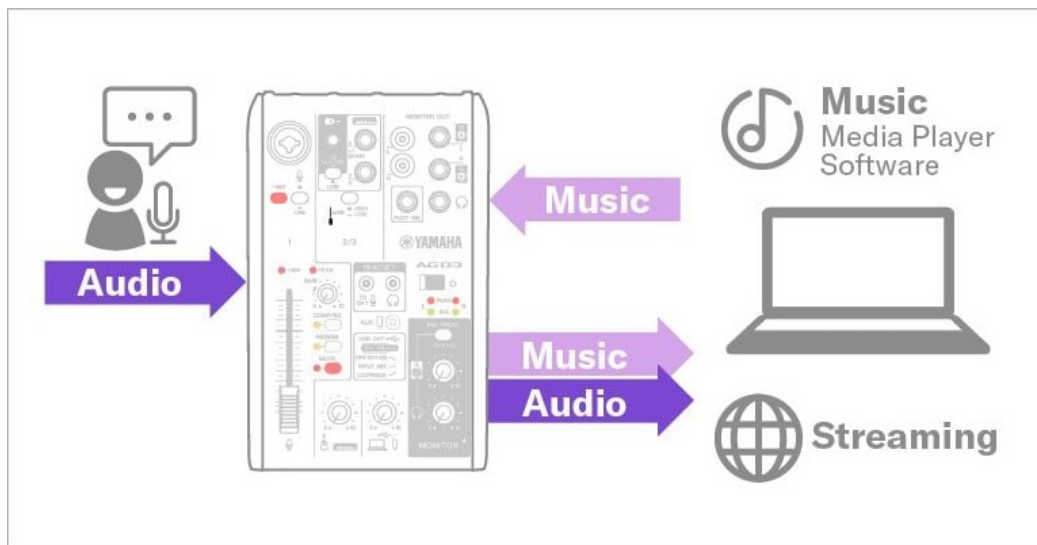


Figure 5: The Loopback mode allows combining microphone audio with music from your computer for seamless streaming.

4. Software Integration

The AG03MK2 comes bundled with powerful software to enhance your audio production and streaming experience:

- **AG Controller:** A dedicated application for Windows/Mac and iOS that provides intuitive and precise control over the onboard DSP effects and other parameters.
- **Cubase AI:** Music production software for recording, editing, and mixing your audio.
- **WaveLab Cast:** Software for streaming audio production and editing, ideal for podcasts and live broadcasts.

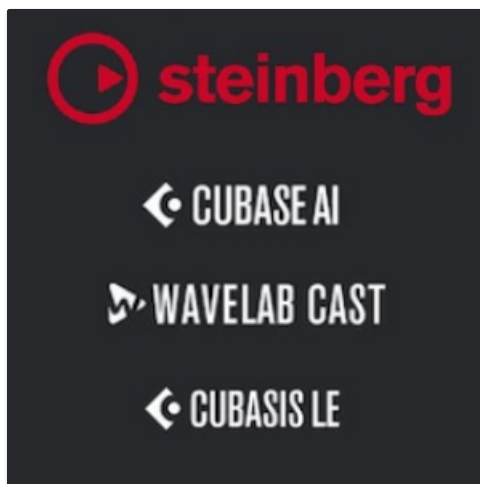


Figure 6: The AG Controller app provides easy access to mixer settings and DSP effects from your mobile device.

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Video 1: An overview of the Yamaha AG MKII series streaming mixers and their features, demonstrating their use in various live streaming scenarios.

MAINTENANCE

To ensure the longevity and optimal performance of your Yamaha AG03MK2, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the exterior of the mixer. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish and internal components.
- **Environment:** Operate and store the mixer in a clean, dry environment away from direct sunlight, extreme temperatures, and high humidity. Avoid placing it near heat sources or in areas with excessive dust.
- **Liquid Contact:** Prevent liquids from spilling onto or into the mixer. If liquid does enter the unit, immediately disconnect power and consult a qualified service technician.
- **Cable Management:** Ensure all cables are connected securely but without excessive force. Avoid sharp bends or kinks in cables, which can lead to damage over time.
- **Storage:** When not in use for extended periods, disconnect the power supply and store the mixer in a protective case or cover to prevent dust accumulation and accidental damage.

TROUBLESHOOTING

If you encounter issues with your AG03MK2, try the following basic troubleshooting steps before seeking professional assistance:

- **No Power:**
 - Ensure the USB cable is securely connected to both the mixer and your computer.
 - If using an external power adapter, verify it is properly connected and the power outlet is functional.
 - Try a different USB port or power outlet.
- **No Audio Output:**
 - Check all audio cable connections to your speakers or headphones.
 - Verify that the MONITOR knob on the mixer is turned up.
 - Ensure the correct audio output device (Yamaha AG03MK2) is selected in your computer's sound settings or streaming software.
 - Check individual channel gain levels and the main fader.
- **No Microphone Input:**
 - Confirm the microphone is properly connected to Channel 1.
 - If using a condenser microphone, ensure the +48V phantom power button is engaged (red LED lit).
 - Adjust the GAIN knob for Channel 1.
 - Check if the MUTE button is active.
- **Distorted Audio:**
 - Reduce the GAIN for the input channel to prevent clipping (PEAK LED should not light up frequently).
 - Lower the output level to your speakers or headphones.
 - Check cable integrity and replace if damaged.
- **Software Not Recognizing Mixer:**
 - Ensure the latest Yamaha Steinberg USB Driver is installed on your computer.
 - Restart your computer and the mixer.
 - Try a different USB cable or USB port.

For more detailed troubleshooting or persistent issues, refer to the official Yamaha support resources.

SPECIFICATIONS

Feature	Detail
Item Weight	1.76 pounds (0.8 Kilograms)
Product Dimensions	9.33 x 7.99 x 4.53 inches (9.33"D x 7.99"W x 4.53"H)
Model Number	AG03MK2 B
Color Name	Black
Compatible Devices	Personal Computer
Hardware Interface	USB
Power Source	Corded Electric
Number of Channels	3
Connectivity Technology	USB

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation included with your product or visit the official Yamaha website. Technical support and additional resources can be found through the following links:

- [Official User Guide \(PDF\)](#)
- [Visit the Yamaha Store on Amazon](#)