

Yamaha AG03

Yamaha AG03 3-Channel Mixer User Manual

Model: AG03

1. INTRODUCTION

The Yamaha AG03 is a versatile 3-channel mixer and high-resolution (24-bit 192 kHz) 2-track audio recording/playback computer interface, designed for a wide range of applications including webcasting, podcasting, gaming, mobile music production, and more. Its compact design and intuitive controls make it an ideal solution for capturing high-quality audio on the go or in a home studio environment.

Official product video showcasing the features and versatility of the Yamaha AG series USB audio interface mixer.

Key features include a flexible LOOPBACK function perfect for live recording or webcasting, easy control and professional sound with 1-TOUCH COMP/EQ, EFFECT, and AMP SIM processing. It also offers iPad connectivity (iPad 2 or later) via an Apple iPad Camera Connection Kit (requires external USB power supply) and includes Cubase AI (downloadable version) recording/MIDI-sequencing software.

2. SETUP

2.1. Connecting Your AG03

The AG03 offers various input and output options to suit your needs. Refer to the image below for a visual guide to the connections.



Front view of the Yamaha AG03 mixer, highlighting its various inputs and controls.

Inputs:

- **Channel 1 (XLR/TRS Combo Jack):** For microphones (with +48V phantom power for condenser mics) or line-level instruments.
- **Channel 2 (TRS/TS Combo Jack):** For guitars (with PAD switch for high-impedance instruments) or line-level instruments.
- **Channels 3/4 (TRS/RCA Stereo):** For stereo line-level devices like keyboards or media players.
- **AUX Input (Stereo Mini Jack):** For connecting portable audio players.

Outputs:

- **Stereo Out (RCA):** Connect to powered speakers or a recording device.
- **Monitor Out (TRS):** Connect to studio monitors.
- **Headset (Mini Jack):** For connecting a headset with microphone.
- **Headphones (Stereo Phone Jack):** For connecting headphones.

2.2. Powering the Device

The AG03 is primarily powered via its USB connection to a computer. For use with an iPad, an external USB power supply is required.



Rear view of the Yamaha AG03, showing the USB 2.0 port for computer connection and the 5V DC input for tablet use.

2.3. Software Installation

Before connecting to your computer, download and install the latest drivers and the AG DSP Controller software from the official Yamaha website. The AG DSP Controller allows for detailed customization of the built-in effects and EQ settings. The AG03 also includes a downloadable version of Cubase AI recording/MIDI-sequencing software, which can be registered and downloaded after purchase.

3. OPERATING THE AG03

3.1. Controls Overview

The AG03 features intuitive controls for managing your audio. Familiarize yourself with the main controls:

- **GAIN Knobs:** Adjust the input sensitivity for each channel.
- **+48V Phantom Power Switch:** Activates phantom power for condenser microphones on Channel 1.
- **PAD Switch:** Reduces the input level for high-output sources on Channel 2 (Guitar/Line).
- **COMP/EQ Button:** Engages a one-touch compressor/equalizer for enhanced vocal or instrument presence.
- **EFFECT Button:** Activates a built-in effect (e.g., reverb) for added depth.
- **AMP SIM Button:** Applies an amplifier simulation effect, ideal for electric guitars.
- **MONITOR MUTE Switch:** Mutes the monitor output, useful for preventing feedback during live streaming or recording.
- **MONITOR Knobs:** Control the volume of the monitor output and headphone output.
- **TO PC Switch:** Selects the audio routing to your computer (DRY CH 1-2G, INPUT MIX, LOOPBACK).



Angled view of the Yamaha AG03, providing a closer look at the gain, effect, and monitor controls.

3.2. Loopback Function

The flexible LOOPBACK function is a key feature for webcasting and live streaming. When set to LOOPBACK, the AG03 mixes all input signals (from microphones, instruments, etc.) with the audio playback from your computer, and sends this combined signal back to your computer. This allows you to easily stream your voice/instrument along with background music, sound effects, or game audio without complex routing setups.

3.3. One-Touch DSP Effects

The AG03 features built-in DSP effects that can be activated with a single touch. These include:

- **COMP/EQ:** Automatically optimizes the dynamics and tone of your input.
- **EFFECT:** Adds reverb or other spatial effects.
- **AMP SIM:** Provides realistic guitar amplifier tones.

These effects can be further customized using the AG DSP Controller software on your computer, allowing you to fine-tune parameters and save your preferred settings directly to the AG03.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Yamaha AG03, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the unit. For stubborn dirt, a slightly damp cloth with mild soap can be used, followed by a dry cloth. Avoid abrasive cleaners, solvents, or waxes.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. When not in use, consider covering the unit to protect it from dust.
- **Handling:** Avoid dropping or subjecting the unit to strong impacts. Do not place heavy objects on top of the mixer.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating. Do not block any ventilation openings.

5. TROUBLESHOOTING

If you encounter issues with your Yamaha AG03, try the following troubleshooting steps:

- **No Sound Output:**
 - a. Check all cable connections (inputs, outputs, USB).
 - b. Ensure the MONITOR knobs are turned up.
 - c. Verify that the MONITOR MUTE switch is not engaged.
 - d. Check input GAIN levels and ensure they are not too low or too high (causing clipping).
 - e. Confirm the correct audio device is selected in your computer's sound settings or DAW.
- **Distorted Sound:**
 - a. Reduce input GAIN levels to prevent clipping (indicated by the PEAK LED).
 - b. If using a high-output instrument, engage the PAD switch on Channel 2.
 - c. Check the volume levels of connected speakers or headphones.
- **Computer Not Recognizing AG03:**
 - a. Ensure the USB cable is securely connected to both the AG03 and your computer.
 - b. Try a different USB port on your computer.
 - c. Reinstall the Yamaha AG drivers.
 - d. Restart your computer.
- **iPad Connectivity Issues:**
 - a. Ensure you are using an Apple iPad Camera Connection Kit.
 - b. Verify that an external USB power supply is connected to the AG03's 5V DC input.
 - c. Check that your iPad is compatible (iPad 2 or later).

For more detailed troubleshooting or specific technical issues, please refer to the official [Yamaha AG03 User Manual \(PDF\)](#) or contact Yamaha customer support.

6. SPECIFICATIONS

Feature	Detail
Model Number	AG03
Number of Channels	3
Connectivity Technology	USB
Hardware Interface	USB
Power Source	Corded Electric (USB Bus Power)
Item Weight	2.29 pounds (1.04 Kilograms)
Product Dimensions	9.5 x 8.3 x 4.7 inches
Audio Quality	24-bit / 192 kHz

7. WARRANTY AND SUPPORT

The Yamaha AG03 comes with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Yamaha website.

For product support, technical assistance, or to explore other Yamaha products, please visit the [Yamaha Store on Amazon](#) or the official Yamaha Musical Instruments website.