



Thank you for purchasing the Yamaha AG03 Mixing Console. Please read this manual thoroughly to get the most out of the product and ensure long-term, trouble-free use. After reading this manual, keep it readily available for future reference.

For the remainder of this manual, the word "mixer" is used instead of "Mixing Console."

- Audio interface supports up to 24-bit/192 kHz recording.
- An intuitive Loopback function enables fast and easy live webcasting.
- Yamaha's premium "D-PRE" mic preamp provides high resolution sound.

- USB cable (1.5 m)
- Technical Specifications (English only): Includes general specifications, input/output characteristics, block diagram, dimensions, and jack and plug list.
- CUBASE AI DOWNLOAD INFORMATION: Contains the access code necessary for downloading the Steinberg DAW software Cubase AI.
- Owner's Manual (this leaflet)

The “Yamaha Steinberg USB Driver” might be required for computer input/output. Visit the following Yamaha website for details on downloading and installing the driver, and making the necessary settings.  
<http://www.yamahaproaudio.com/ag/>

- 1 Turn off the power of all speakers, instruments, and other devices to be connected to the mixer.
- 2 Connect speakers, microphones, and instruments referring to the connection example below.

This diagram illustrates the connections for various audio inputs to the rear panel of the Yamaha AG03 mixer. The inputs shown include:

- Microphones:** Two microphones are plugged into the XLR inputs.
- Electric guitar:** A guitar is plugged into the GUITAR input.
- Electric keyboard:** An electric keyboard is plugged into the KEYBOARD input.
- Audio device (Yamaha FC5):** An audio interface or foot controller is plugged into the AUDIO IN input.
- Powered monitor speakers:** Two powered monitors are plugged into the MONITOR OUT L and R outputs.
- Headphones:** A pair of headphones is plugged into the HEADSET output.
- Smartphone:** A smartphone is plugged into the USB port.

The rear panel also features controls for each input channel, including gain knobs, switches for +48V phantom power and PAD, and level meters. The bottom section includes master controls like HEAVY DUTY TOGGLE, COMP-EQ, AUX, and MONITOR MUTE.

- 1 **Make sure that all switches including the [⏻] (Standby/On) switch are not pressed [■].**
- 2 **Use the included USB cable to connect your computer to the mixer.**

When using the [USB 2.0] terminal on the mixer's rear panel, refer to the notice "Precautions when using the [USB 2.0] and [5V DC] terminals." When connecting a tablet or other device that cannot provide power to the mixer, connect a commercially available USB power adapter or USB mobile battery to the [5V DC] terminal (micro B).

- If you still do not hear the sound after doing the following steps, please refer to the checklist in the "Troubleshooting" section at the back of this booklet.

**3 Lower the volume of the instrument or audio device.**

**1** Input the sound from a microphone or instrument

Channel number

**2** Adjust the volume, tone, and effects of each channel.

**3** The sound from all channels flows rightward

**4** Final adjustment of the volume of the mixed sound

**5** Output the sound from speakers or headphones

Use the [PAD] switch, [GAIN] knob/[GAIN] switch, and fader/Level knobs to adjust volume. However, the [PAD] switch and [GAIN] knob/[GAIN] switch should not be adjusted again once they have been set optimally. Normally, the fader/Level knobs are used to adjust volume. For details about each function, see "Controls and Functions".

The diagram shows the front panel of the Yamaha AG03 Mixing Console with the following numbered callouts:

- 3**: Headset input jack.
- 4**: Headset output jack.
- 5**: Headset volume knob.
- 6**: Headset mute button.
- 7**: Headset monitor button.
- 8**: Headset monitor volume knob.
- 9**: Headset monitor level knob.
- 10**: Headset monitor level knob.
- 11**: Headset monitor level knob.
- 12**: Headset monitor level knob.
- 13**: Headset monitor level knob.
- 14**: Headset monitor level knob.
- 15**: Headset monitor level knob.

 : Adjust the volume of the sound input from the computer via the [USB 2.0] terminal.

**NOTE** To prevent feedback when using DAW software, use either [DRY CH1-2G] or [INPUT MIX].



## Recording

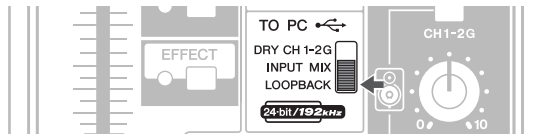
Recording requires the download and installation of DAW software.

Visit the following Yamaha website for details on downloading and installing the Steinberg DAW software Cubase AI, and making the necessary settings. At that time, also refer to the included CUBASE AI DOWNLOAD INFORMATION for important information.

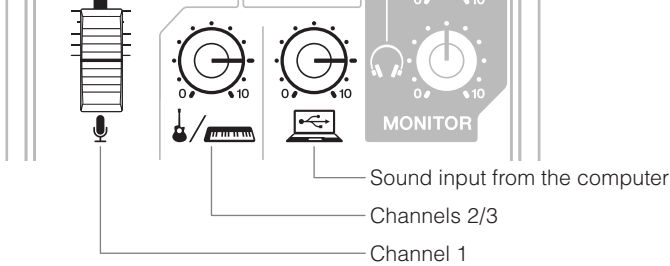
<http://www.yamahaproaudio.com/ag/>

## Webcasting

Set the [TO PC] slide switch  to [LOOPBACK].



When set to [LOOPBACK], the following signals are mixed and sent to the computer.




Visit the following Yamaha website for details on webcasting.  
<http://www.yamahaproaudio.com/ag/>

## Troubleshooting







Check the following items before contacting a Yamaha dealer.

If the symptoms are not improved, contact your nearest Yamaha dealer.









### Power does not come on.

- Did you properly connect the mixer and a computer by using the included USB cable?
- Did you press the  (Standby/On) switch?

### No sound.

- Did you download and install the Yamaha Steinberg USB Driver from the following Yamaha website?  
<http://www.yamahaproaudio.com/ag/>
- Did you properly connect the external devices such as microphones, and powered monitor speakers?
- Are any connecting cables shorted or damaged?
- Did you turn on the power of connected electric instruments and external devices, and the powered monitor speakers?
- Did you properly adjust the [GAIN] knob, fader, Level knobs, Speakers  knob, and Headphones  knob to appropriate levels?
- Are the [PAD] switches and [GAIN] switches turned on ()? Turn these switches off (). If the volume of the sound source is too soft, turning on () these switches might result in no audible sound.
- Is the [MONITOR MUTE] switch turned on ()?
- If you are using webcasting software, is the volume adjusted appropriately in the software?

### Sound is faint, distorted, or noisy.

- Is the [PEAK] LED lit?  
Lower the [GAIN] knob, or turn on () the [PAD] switch.
- Are the [GAIN] knob, fader, Level knobs, Speakers  knob, or the Headphones  knob set too high?
- Are the [PEAK] (red) indicators of the level meter lit?  
Adjust the fader and Level knobs to appropriate levels. Lowering the volume with the Speakers  knob or the Headphones  knob will not affect the [PEAK] indicators on the level meter.
- Is the volume from a connected device too loud?  
Lower the volume of the connected device.
- Are the [PAD] switch and [GAIN] switch turned off ()?  
Turn these switches on (). If the volume of the sound source is too loud, turning off () these switches might result in distorted sound.
- Is the [TO PC] slide switch set to [LOOPBACK]?  
If this switch is set to [LOOPBACK] when using DAW software, a loop might be produced depending on the settings of the DAW software, possibly resulting in feedback. When recording while listening to the sound via a computer, be sure to set this switch to a setting other than [LOOPBACK].

### The sound of vocals and speech isn't clear enough.

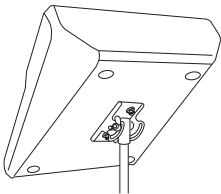
- Turn on the [COMP/EQ] button (yellow LED lights).  
The default settings for this button have parameters that are suitable for webcasting, reducing unwanted low-frequency noise and variations in vocal level.

### No effect is applied.

- Did you turn on the [EFFECT] button (yellow LED lights)?

## Mounting to a Microphone Stand

The unit can be mounted onto a microphone stand as illustrated at right, by using the optionally available Yamaha BMS-10A microphone stand adapter. For instructions on mounting, refer to the BMS-10A Owner's Manual.



## General Specifications

Input Channels		Mono (MIC/LINE): 1 including HEADSET MIC (Plug-in Power), Stereo (LINE)/ Mono (GUITAR): 1, USB IN: 1, AUX IN: 1
Output Channels		MONITOR OUT: 2, PHONES: 2 including HEADSET PHONES
Bus		Stereo: 1
Input Channel Function (CH1)	PAD	26 dB
	DSP	COMP/EQ, EFFECT (SPX Reverb)
	PEAK LED	LED turns on when the signal reaches 3 dB below clipping level.
Level Meter	USB Output Level	2x2 point LED meter [PEAK, SIG]
USB Audio		2 IN / 2 OUT USB Audio Class 2.0 compliant, Sampling Frequency: Max 192 kHz, Bit Depth: 24-bit
Phantom Power Voltage		+48 V
FOOT SW		EFFECT Mute on/off
Power Requirements		DC 5 V, 500 mA
Power Consumption		Max. 2.5 W
Dimensions (WxHxD)		129 mm x 63 mm x 202 mm (5.1" x 2.5" x 8.0")
Net Weight		0.8 kg (1.8 lbs)
Optional Accessory		Foot Switch: FC5, Mic Stand Adaptor: BMS-10A
Operating Temperature		0 to +40°C

For other specifications, see the included "Technical Specifications."

The contents of this manual apply to the latest specifications as of the printing date. Since Yamaha makes continuous improvements to the product, this manual may not apply to the specifications of your particular product. To obtain the latest manual, access the Yamaha website then download the manual file. Since specifications, equipment or separately sold accessories may not be the same in every locale, please check with your Yamaha dealer.

### Information for Users on Collection and Disposal of Old Equipment



This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling of old products, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC.

By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

#### [For business users in the European Union]

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

#### [Information on Disposal in other Countries outside the European Union]

This symbol is only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

(weee\_eu\_en\_01)

### FCC INFORMATION (U.S.A.)

#### 1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

#### 2. IMPORTANT:

When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

#### 3. NOTE:

This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures: Relocate either this product or the device that is being affected by the interference. Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filters. In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable. If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA 90620 The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

\* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA.

(class B)

## PRECAUTIONS

### PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

### WARNING

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

#### Do not open

- This device contains no user-serviceable parts. Do not open the device or attempt to disassemble the internal parts or modify them in any way. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Yamaha service personnel.

#### Water warning

- Do not expose the device to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the device, turn off the power immediately and disconnect the USB cable from the computer. Then have the device inspected by qualified Yamaha service personnel.
- Never insert or remove a USB cable with wet hands.

#### Fire warning

- Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.

#### If you notice any abnormality

- When one of the following problems occur, immediately turn off the power switch and disconnect the USB cable from the computer. Then have the device inspected by Yamaha service personnel.
  - The USB cable becomes frayed or damaged.
  - It emits unusual smells or smoke.
  - Some object has been dropped into the device.
  - There is a sudden loss of sound during use of the device.
- If this device should be dropped or damaged, immediately turn off the power switch, disconnect the USB cable from the computer, and have the device inspected by qualified Yamaha service personnel.

### CAUTION

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the device or other property. These precautions include, but are not limited to, the following:

#### Location

- Do not place the device in an unstable position where it might accidentally fall over.
- Do not place the device in a location where it may come into contact with corrosive gases or salt air. Doing so may result in malfunction.
- Before moving the device, remove all connected cables.

#### Connections

- Before connecting the device to other devices, turn off the power for all devices. Before turning the power on or off for all devices, set all volume levels to minimum.

#### Maintenance

- Remove the USB cable from a computer when cleaning the device.

#### Handling caution

- Do not insert your fingers or hands in any gaps or openings on the device.
- Avoid inserting or dropping foreign objects (paper, plastic, metal, etc.) into any gaps or openings on the device. If this happens, turn off the power immediately and disconnect the USB cable from the computer. Then have the device inspected by qualified Yamaha service personnel.
- Do not rest your weight on the device or place heavy objects on it, and avoid use excessive force on the buttons, switches or connectors.
- Do not use speakers or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.

Yamaha cannot be held responsible for damage caused by improper use or modifications to the device, or data that is lost or destroyed.

For details of products, please contact your nearest Yamaha representative or the authorized distributor listed below.

NORTH AMERICA		MALTA		ASIA	
<b>CANADA</b> Yamaha Canada Music Ltd. 135 Milner Avenue, Toronto, Ontario, M1S 3K1, Canada Tel: 416-298-1311		Olimpus Music Ltd. The Emporium, Level 3, St. Louis Street Maida MSD06 Tel: 02133-2144		<b>THE PEOPLE'S REPUBLIC OF CHINA</b> Yamaha Music & Electronics (China) Co., Ltd. 2F, Yimleishu, 1818 Xinxin-Ju, Jingan-qu, Shanghai, China Tel: 400-051-7700	
<b>U.S.A.</b> Yamaha Corporation of America 6600 Orangethorpe Avenue, Buena Park, CA 90620, U.S.A. Tel: 714-522-9011		<b>NETHERLANDS/BELGIUM/ LUXEMBOURG</b> Yamaha Music Europe Branch Benelux Curisenhof 3-8, 4133 AB Vianen, Netherlands Tel: 0347-338 040		<b>INDIA</b> Yamaha Music India Pvt. Ltd. Spazedge building, Ground Floor, Tower A, Sector 47, Gurgaon- Sohna Road, Gurgaon, Haryana, India Tel: 0124-485-3300	
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<b>MEXICO</b> Yamaha de México, S.A. de C.V. Av. Insurgentes Sur 1647 Piso 9, Col. San José Insurgentes, Delegación Benito Juárez, México, D.F., C.P. 03900 Tel: 55-5804-0600		<b>ITALY</b> Yamaha Music Europe GmbH, Branch Italy Viale Italia 88, 20020 Lainate (Milano), Italy Tel: 02-935-771		<b>KOREA</b> Yamaha Music Korea Ltd. 8F, 9F, Dongsung Bldg. 158-9 Samsung-Dong, Kangnam-Gu, Seoul, Korea Tel: 02-3467-3300	
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## Information

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Manual Development Department

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