

Aveek F-5A, MIX400

Aveek Professional Audio Mixer Series User Manual

Models: F-5A & MIX400

1. INTRODUCTION

Thank you for choosing an Aveek Professional Audio Mixer. This manual provides detailed instructions for the setup, operation, and maintenance of your Aveek F-5A Professional Audio Mixer and Aveek MIX400 4-Channel Low Noise Mini Line Audio Mixer. Please read this manual thoroughly before using your device to ensure proper functionality and to prevent damage.

The Aveek audio mixer series is designed to provide high-quality audio mixing solutions for various applications, from home studios to live performances. Both models offer distinct features tailored to different user needs.



Image 1.1: Aveek F-5A (left) and Aveek MIX400 (right) Audio Mixers. The F-5A is a multi-channel mixer with XLR inputs and USB connectivity, while the MIX400 is a compact 4-channel line mixer.

2. IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions carefully before operation.
- Keep these instructions for future reference.
- Heed all warnings on the product and in the operating instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

3. PACKAGE CONTENTS

Please check the package contents upon unboxing. If any items are missing or damaged, contact Aveek customer support.

- Aveek Audio Mixer (F-5A or MIX400, depending on model purchased)
- Power Adapter (5V-2A Type-C for F-5A, 5V for MIX400)
- USB Type-C to USB Cable (for F-5A)
- User Manual (this document)

4. PRODUCT OVERVIEW AND FEATURES

4.1 Aveek F-5A Professional Audio Mixer

The Aveek F-5A is a versatile professional audio mixer designed for comprehensive sound control and recording. It features multiple input options and advanced functionalities.

- **Mic/Line Inputs:** 3 XLR/TRS combo jacks for microphones or line-level instruments.
- **Stereo Line Inputs:** L/R 6.35mm and L/R RCA stereo inputs for connecting CD players, keyboards, or computers.
- **USB-B Interface:** Built-in sound card for direct connection to computers, mobile phones, or tablets for mixing and recording. Requires a USB to Phone OTG Adapter for mobile devices.
- **USB-A Interface:** For MP3 music playback from a USB stick or recording audio output to a USB stick.
- **Ultra-Low Noise Design:** Utilizes a 5V-2A (Type-C) adapter power supply and six ROHM low-noise operational amplifiers for superior sound quality.
- **Outputs:** L/R RCA output and L/R 6.35mm Main output for active speakers, power amplifiers, or active sound systems.
- **Phantom Power:** +48V phantom power for condenser microphones.
- **Effects:** Built-in digital effects processor (Reverb, Delay).

Product Panel Introduction

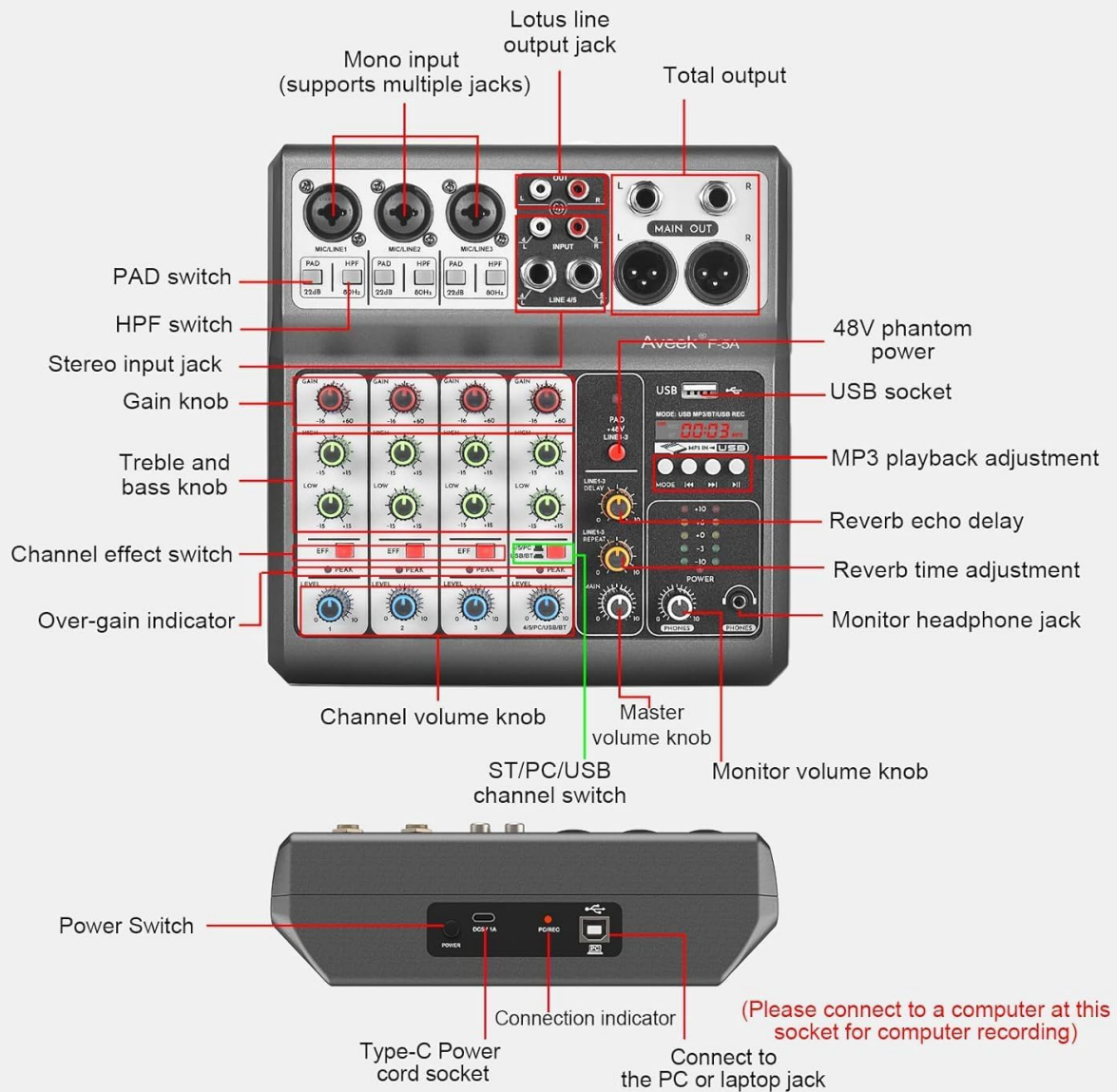


Image 4.1: Front panel overview of the Aveek F-5A mixer, detailing input jacks, control knobs (gain, treble, bass, effect, volume), USB ports, and output connections.

Compatible Devices and Connection Methods

It cannot be connected with Bluetooth speakers and Bluetooth headphones, because the output is only compatible with wired connected active speakers.

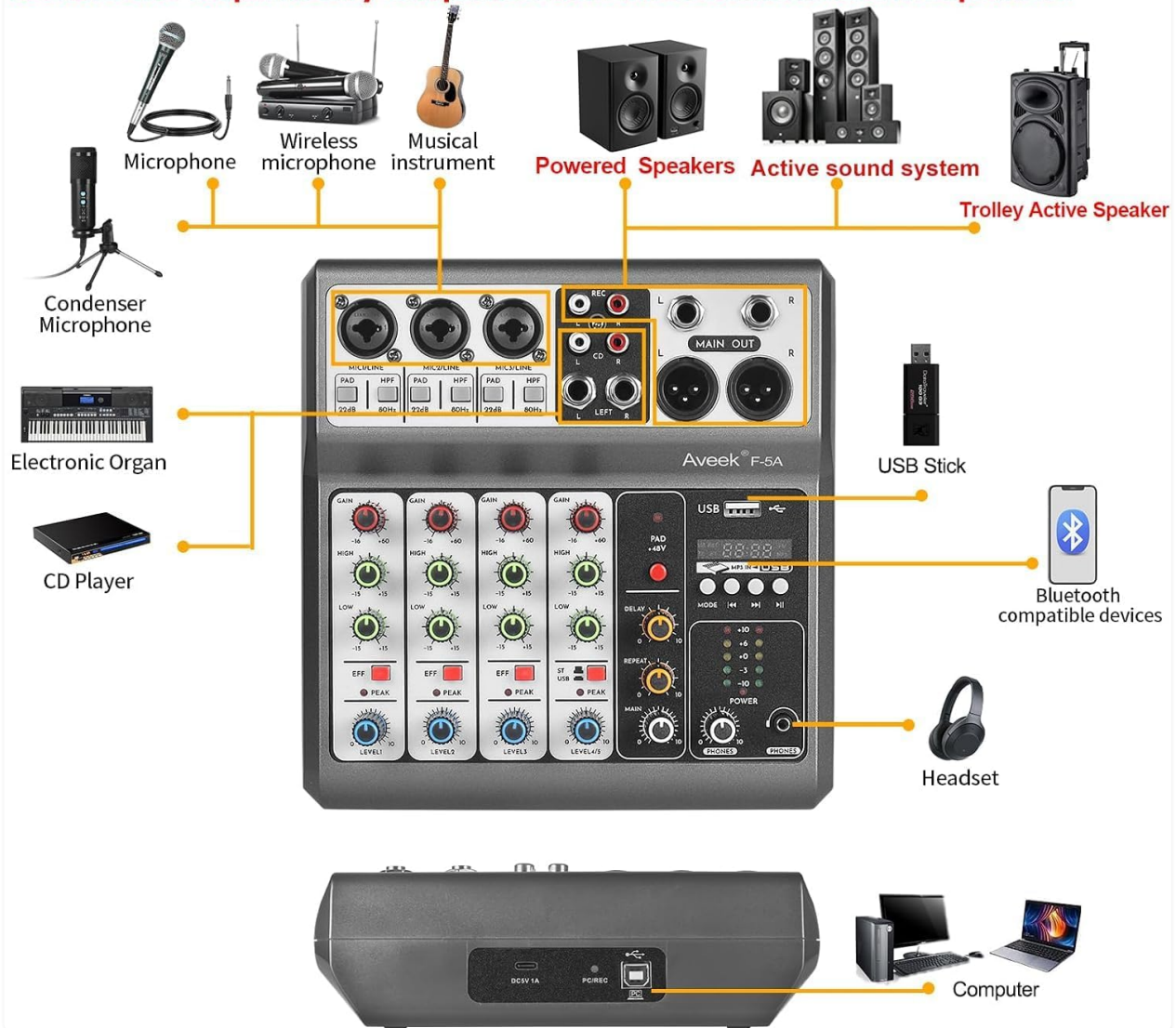


Image 4.2: Diagram illustrating compatible devices and connection methods for the Aveek F-5A mixer, including microphones, instruments, speakers, and computers. Note: Bluetooth output devices are not supported.

4.2 Aveek MIX400 4-Channel Low Noise Mini Line Audio Mixer

The Aveek MIX400 is a compact and efficient 4-channel stereo line mixer, ideal for combining multiple audio sources into a single output with minimal noise.

- **4-Inputs 1-Output:** Four independent stereo/mono input channels combining into one stereo output.
- **Input Compatibility:** Suitable for dynamic microphones, electronic instruments, CDs, and computers.
- **Ultra-Low Noise:** Designed for superior sound quality with low noise and minimal distortion.
- **Compact Design:** Small footprint for easy integration into any setup.



Mono/TS input

Mono(M)mode is recommended for mono sound input.
(Mono sound only uses one channel output in Stereo(S)mode.)



Stereo/TRS Input

Stereo Sound uses two channels output in any mode

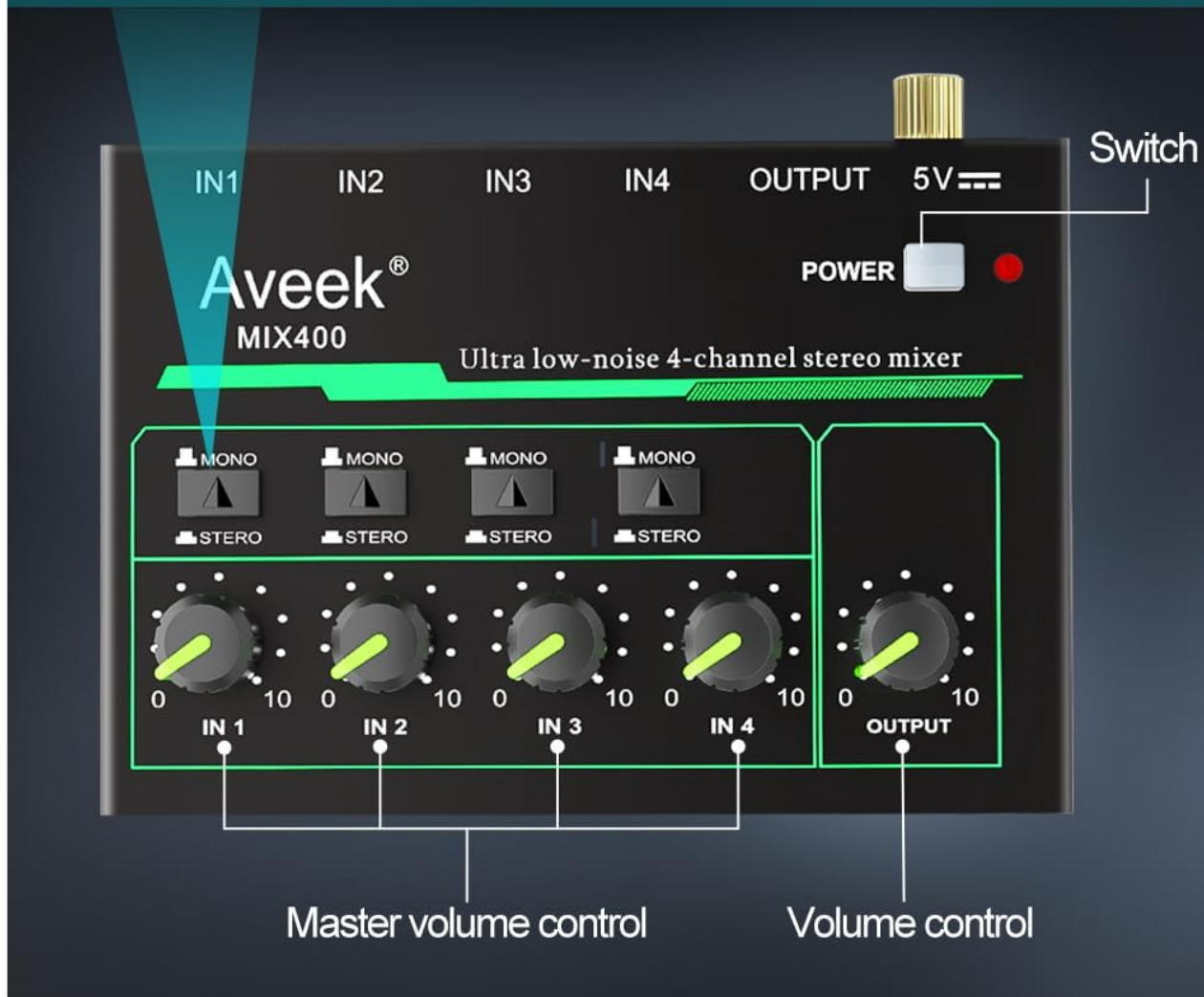


Image 4.3: Front panel of the Aveek MIX400, showing four input channels with individual volume controls, mono/stereo switches, and a master output volume control.

Suitable equipment



USB microphone is not available 

Image 4.4: Diagram illustrating suitable equipment for the Aveek MIX400, including line-in devices, dynamic microphones, electronic organs, electric guitars, and electronic drums. USB microphones are not supported.

5. SETUP AND CONNECTIONS

5.1 Powering the Mixer

Both Aveek mixers require external power. Ensure the mixer is turned off before connecting the power supply.

- **Aveek F-5A:** Connect the provided USB Type-C to USB cable to the mixer's Type-C power port and then to the 5V-2A power adapter. Plug the adapter into a standard wall outlet. The F-5A can also be powered by a power bank or a computer's USB port.
- **Aveek MIX400:** Connect the provided 5V power adapter to the mixer's DC 5V/2A port and then to a standard wall outlet.

Three Ways to Power Up The Audio Mixer

Note: Laptop and power bank are not included in the product



Image 5.1: Powering options for the Aveek F-5A mixer, including a power adapter, power bank, or computer USB port via a Type-C to USB cable.

5.2 Connecting Audio Devices (Aveek F-5A)

Refer to Image 4.1 and 4.2 for visual guidance.

1. **Microphones:** Connect dynamic or condenser microphones to the XLR/TRS combo jacks (MIC1, MIC2, MIC3). For condenser microphones, activate the +48V phantom power switch if required.
2. **Instruments/Line Devices:** Connect instruments (e.g., guitar, keyboard) or other line-level devices to the TRS inputs or the L/R RCA stereo inputs.
3. **Computer/Mobile Device (USB-B):** Use a USB-B cable to connect the mixer to your computer for recording or playback. For mobile phones/tablets, an OTG adapter is required for data transfer.
4. **USB Stick (USB-A):** Insert a USB stick into the USB-A port for MP3 playback or recording.
5. **Outputs:** Connect your active speakers, power amplifier, or active sound system to the MAIN OUT (6.35mm TRS) or RCA OUT jacks.
6. **Headphones:** Connect headphones to the PHONES jack for monitoring.

5.3 Connecting Audio Devices (Aveek MIX400)

Refer to Image 4.3 and 4.4 for visual guidance.

1. **Inputs:** Connect your audio sources (e.g., dynamic microphone, electronic organ, electric guitar, electronic drum, CD player) to the IN1, IN2, IN3, IN4 jacks. These are 1/4" TS/TRS inputs.
2. **Output:** Connect the mixer's OUTPUT jack to your active speakers or amplifier.



Image 5.2: Detailed view of the Aveek MIX400 input and output jacks, illustrating the use of TRS for stereo and TS for mono connections.



Image 5.3: The Aveek MIX400 connected to a dynamic microphone, demonstrating a typical input setup. USB microphones are not compatible.

6. OPERATION

6.1 Aveek F-5A Operation

1. **Power On:** After connecting all devices and power, press the POWER switch to turn on the mixer.
2. **Input Gain:** Adjust the GAIN knob for each channel to set the input level. Ensure the PEAK indicator does not light up consistently, which indicates clipping.
3. **Equalization:** Use the TREBLE and BASS knobs to adjust the high and low frequencies for each channel.
4. **Effects:** Use the EFF knob to send a portion of the channel signal to the internal effects processor. Adjust the MP3 playback adjustment and Reverb/Delay controls for desired effect.
5. **Channel Volume:** Adjust the CHANNEL VOLUME knob for each input to balance the mix.
6. **Master Volume:** Use the MASTER VOLUME knob to control the overall output level.
7. **Monitoring:** Adjust the MONITOR VOLUME knob for headphone output.

8. USB Functions:

- **USB-B (PC/Mobile):** When connected to a computer, the mixer acts as an audio interface. Select it as your input/output device in your operating system's sound settings.
- **USB-A (Playback/Record):** Insert a USB stick. Use the MODE/USB/MP3/BT/REC controls to play MP3 files or record the main mix directly to the USB stick.

6.2 Aveek MIX400 Operation

1. **Power On:** After connecting all devices and power, press the POWER switch to turn on the mixer. The power indicator light will illuminate.
2. **Input Mode:** For each input channel (IN1-IN4), select either MONO (TS input) or STEREO (TRS input) using the switch.
 - **MONO Mode:** Recommended for mono sound input. Mono sound uses one channel output in Stereo mode.
 - **STEREO Mode:** Stereo sound uses two channels output in any mode.
3. **Input Volume:** Adjust the individual volume control knob for each input channel (IN1-IN4) to balance the levels of your audio sources.
4. **Master Output Volume:** Adjust the OUTPUT volume control knob to set the overall output level of the mixed audio.



Image 6.1: Front panel of the Aveek MIX400, highlighting the power switch, mono/stereo input mode selectors, individual input volume controls, and master output volume control.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Do not use liquid cleaners or solvents.
- **Storage:** When not in use for extended periods, store the mixer in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Ventilation:** Ensure proper ventilation around the mixer to prevent overheating. Do not block ventilation openings.
- **Cable Management:** Avoid bending or pinching cables, especially power cords, to prevent damage.

8. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|--------------------------------------|---|---|
| No power | Power cable not connected; power adapter faulty; power outlet not working. | Check power connections; try a different power outlet; ensure correct power adapter is used. |
| No sound output | Output cables not connected; output volume too low; incorrect input selection; connected to passive speakers. | Verify output cable connections; increase MASTER VOLUME; ensure input devices are active; connect to active speakers or an amplifier. |
| Distorted sound | Input gain too high (clipping); faulty cables; impedance mismatch. | Reduce input GAIN (F-5A) or individual channel volume (MIX400); replace cables; ensure compatible devices are connected. |
| Microphone not working (F-5A) | +48V phantom power not enabled for condenser mic; mic cable faulty; mic gain too low. | Activate +48V switch; check/replace mic cable; increase GAIN. |
| USB recording/playback issues (F-5A) | Incorrect USB mode selected; USB stick not formatted correctly; USB to OTG adapter not working (for mobile). | Ensure correct USB mode; format USB stick to FAT32; verify OTG adapter functionality. |

If you encounter issues not listed here or if the problem persists, please contact Aveek customer support for assistance.

9. SPECIFICATIONS

General Specifications (Applicable to both models where relevant)

- **Brand:** Aveek
- **Power Source:** Corded Electric
- **Connectivity Technology:** USB (F-5A), Line (MIX400)
- **Output Connector Type:** RCA, TRS

Aveek F-5A Professional Audio Mixer

- **Input Channels:** 3 x XLR/TRS Combo, 1 x Stereo 6.35mm, 1 x Stereo RCA
- **Output Channels:** 1 x Stereo 6.35mm Main Out, 1 x Stereo RCA Out, 1 x Headphone Out
- **USB Interface:** USB-B (PC/Mobile), USB-A (Playback/Record)
- **Phantom Power:** +48V
- **Power Supply:** 5V-2A (Type-C)
- **Dimensions (Approximate):** 21cm (W) x 20.5cm (D) x 6.5cm (H) / 8.26in (W) x 8.07in (D) x 2.55in (H)

Three Ways to Power Up The Audio Mixer

Note: Laptop and power bank are not included in the product



Image 9.1: Approximate dimensions of the Aveek F-5A mixer.

Aveek MIX400 4-Channel Low Noise Mini Line Audio Mixer

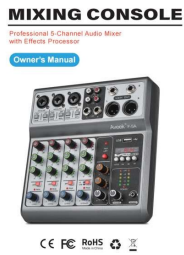
- **Number of Channels:** 4 Input, 1 Output
- **Input Type:** 1/4" TS/TRS (Mono/Stereo selectable)
- **Output Type:** 1/4" TRS
- **Power Supply:** 5V DC

10. WARRANTY AND SUPPORT

Aveek products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Aveek website.

For direct assistance, you may contact Aveek customer support through the retailer where the product was purchased or via the contact information provided on the Aveek brand store page on Amazon: [Aveek Store](#).

Related Documents - F-5A, MIX400



Aveek F-5A Professional 5-Channel Audio Mixer with Effects Processor Owner's Manual

Owner's manual for the Aveek F-5A, a professional 5-channel audio mixer with effects processor. Details features, panel introduction, specifications, connection methods, usage instructions, computer recording, USB and Bluetooth playback, and precautions.



Aveek F-5A Professional 5-Channel Audio Mixer Owner's Manual

Comprehensive owner's manual for the Aueek F-5A professional 5-channel audio mixer. Learn about features, panel introduction, specifications, connections, operation, and precautions for recording, live streaming, and more.



[Aveek F-5A Professional 5-Channel Audio Mixer Owner's Manual](#)

Owner's manual for the Aveek F-5A professional 5-channel audio mixer with effects processor, detailing features, panel introduction, specifications, connection methods, usage instructions, and precautions.



[Aveek E1 Owner's Manual: Power Amplifier, Wireless Mic, and Mixer](#)

Comprehensive owner's manual for the Aveek E1, a 4-channel audio mixer featuring a power amplifier, dual wireless microphones, Bluetooth connectivity, USB playback/recording, and 48V phantom power. Includes detailed panel introductions, setup instructions, operating steps for various functions, general specifications, and important safety precautions.



Aveek F-4A Professional 4-Channel Audio Mixer Owner's Manual

This manual provides detailed instructions for the Aveek F-4A Professional 4-Channel Audio Mixer, covering its features, connections, operation, and specifications for PC recording, USB, and Bluetooth playback.

Aveek Wireless Microphone

User Manual



CE FCC LPS RoHS

[Aveek Wireless Microphone User Manual - Setup, Operation, and Troubleshooting](#)

Comprehensive user manual for the Aveek Wireless Microphone system, covering setup, accessories, specifications, operation, troubleshooting, and important notes for optimal performance. Includes detailed instructions for both microphones and the receiver.