

Aveek F4

Aveek F4 Professional 4-Channel Audio Mixer User Manual

Model: F4

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Aveek F4 Professional 4-Channel Audio Mixer. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent electric shock, fire, or other damage to the device or injury to persons.

- Do not expose the unit to rain or moisture.
- Do not open the casing. Refer all servicing to qualified personnel.
- Ensure the power supply voltage matches the requirements specified on the unit.
- Avoid placing the unit near heat sources or in direct sunlight.
- Keep the unit away from children.
- Disconnect power during lightning storms or when unused for long periods.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Aveek F4 Professional 4-Channel Audio Mixer
- Power Adapter
- USB to Type-C Power Cable
- User Manual (this document)

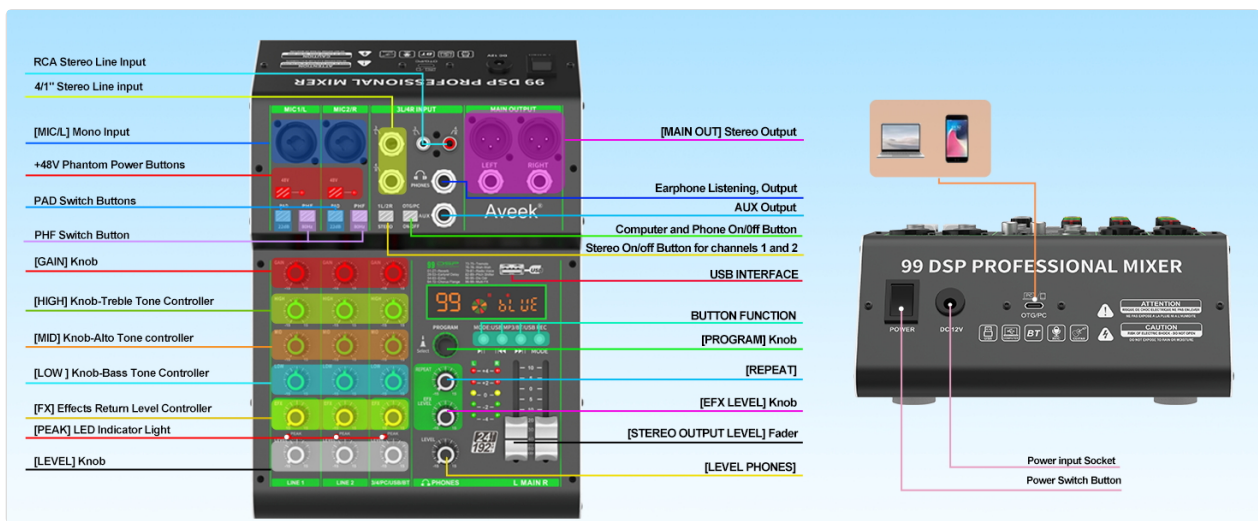


Image: Contents of the Aveek F4 Audio Mixer package, including the mixer, power adapter, USB-C cable, and user manual.

4. PRODUCT OVERVIEW: CONTROLS AND CONNECTIONS

The Aveek F4 mixer features a comprehensive set of controls and input/output options for versatile audio mixing.

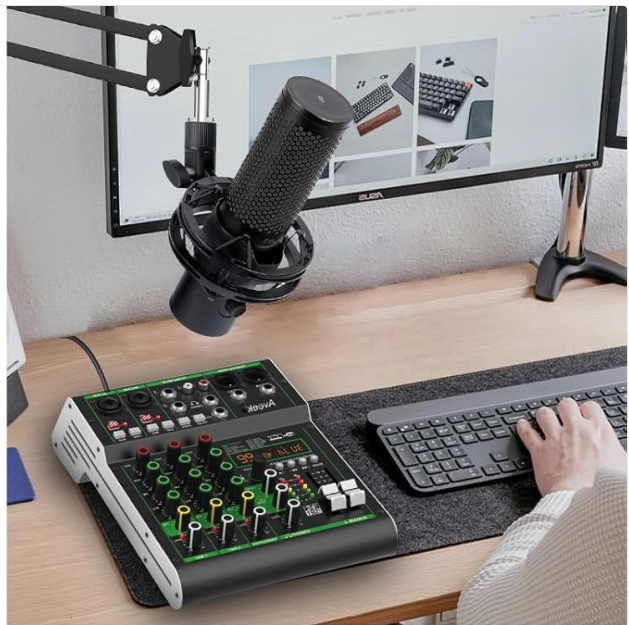


Image: A detailed diagram of the Aveek F4 mixer, highlighting all input/output ports, knobs, and buttons with labels.

4.1 Input Channels

- **MIC1/L & MIC2/R (XLR/6.35mm Combo Jacks):** Connect microphones (XLR) or line-level instruments like guitars (6.35mm).
- **3L/4R Input (6.35mm L/R and RCA L/R):** Connect stereo line-level sources such as CD players, keyboards, or computers.

4.2 Output Channels

- **MAIN OUTPUT (XLR and 1/4" TRS Balanced):** Connect to active speakers or amplifiers.
- **PHONES (6.35mm Headphone Jack):** For headphone monitoring.
- **AUX (6.35mm AUX Signal Output):** For connecting to auxiliary effects or a monitoring system.

4.3 Controls

- **GAIN Knobs:** Adjust input sensitivity for each channel.
- **EQ (HIGH, MID, LOW) Knobs:** 3-band equalizer for adjusting frequencies on each channel.

- **LEVEL Knobs/Faders:** Control the output volume of individual channels and the main mix.
- **48V Phantom Power Buttons:** Activates +48V phantom power for condenser microphones on channels 1 and 2.
- **PAD Buttons:** Attenuates input signal by 22dB for high-level sources.
- **PHF (High Pass Filter) Buttons:** Reduces low-frequency noise (80Hz).
- **STEREO Button:** Converts channels 1 and 2 from mono to stereo (Channel 1 becomes Left, Channel 2 becomes Right).
- **DSP Effect Knob & Program Button:** Selects and adjusts one of the 99 built-in digital effects.
- **USB/Bluetooth Controls:** Playback, pause, skip tracks, and mode selection for USB drive and Bluetooth audio.

5. SETUP

5.1 Power Connection

1. Connect the provided power adapter to the DC12V input on the rear of the mixer.
2. Plug the power adapter into a suitable electrical outlet.
3. Press the power switch to turn on the mixer.

5.2 Connecting Input Devices

The mixer supports various input devices:

COMPATIBLE DEVICES AND CONNECTION



Image: Visual guide showing various compatible input devices (condenser mic, mic, musical instrument, CD player, electronic organ) and their corresponding cable types (6.35mm mono, 3-pin XLR, 6.35mm stereo, RCA plug).

- **Microphones:** Connect dynamic microphones via XLR or 6.35mm jacks. For condenser microphones, use an XLR cable and activate the +48V Phantom Power.
- **Instruments:** Connect guitars, keyboards, or other instruments via 6.35mm jacks.
- **Line-Level Devices:** Connect CD players, media players, or other line-level sources to the 3L/4R input using 6.35mm or RCA cables.

5.3 Connecting Output Devices

- **Active Speakers/Amplifiers:** Connect to the MAIN OUTPUT XLR or 1/4" TRS balanced jacks.
- **Headphones:** Plug headphones into the PHONES 6.35mm jack for monitoring.
- **External Effects/Monitoring System:** Use the AUX output for sending signals to external processors or a separate monitoring setup.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation and Gain Staging

1. Ensure all volume controls (GAIN, LEVEL, MAIN) are set to their minimum position before powering on.
2. Connect all desired input and output devices.
3. Power on the mixer.
4. For each active input channel, gradually increase the GAIN knob until the PEAK indicator briefly flashes during the loudest parts of the signal. Then, slightly reduce the GAIN to prevent clipping.
5. Adjust individual channel LEVEL knobs and the MAIN output fader to achieve the desired overall mix volume.

6.2 48V Phantom Power

The mixer provides independent +48V phantom power for channels 1 and 2, essential for condenser microphones.

+48V PHANTOM POWER

Supports 48V condenser microphones, and phantom power can be turned on and off separately for individual channels

The image shows a close-up of the Aveek 99 DSP Professional Mixer. A hand is pressing the 48V phantom power button for channel 1. A circular inset highlights the 48V buttons for channels 1 and 2, showing the '48V' indicator light illuminated. The mixer features various inputs (MIC1/L, MIC2/R, 3L4R INPUT), outputs (LEFT, RIGHT), and a main output section. It also has a digital display showing '99' and 'BLUE', and a large '48V' graphic at the bottom right.

48V

To Use A 48v Condenser Mic
You Need To Press The 48 Phantom

Image: A user pressing the 48V phantom power button on the mixer, indicating its use with a condenser microphone.

1. Connect your condenser microphone to the XLR input of channel 1 or 2.
2. Press the corresponding 48V button for that channel. The indicator light will illuminate.
3. Ensure the 48V button is off when using dynamic microphones or line-level inputs to prevent damage.

6.3 Stereo Controls

Channels 1 and 2 can be combined into a stereo pair for specific applications.



Image: A hand pressing the 'STEREO' button on the mixer, illustrating how channels 1 and 2 are converted to left and right stereo channels.

To convert channels 1 and 2 to stereo:

- Press the 'STEREO' switch button. Channel 1 will become the left channel, and channel 2 will become the right channel.

6.4 99 DSP Effects

The mixer includes 99 digital signal processing (DSP) effects to enhance your audio.

COMPUTER CONNECTION FOR RECORDING/PLAYBACK



Image: Close-up of the DSP effects section on the mixer, showing the program knob and a list of available effects like Reverb, Delay, Echo, and Chorus Flange.

1. Turn the 'PROGRAM' knob to select the desired effect number (01-99).
2. Press the 'PROGRAM' knob to confirm your selection.
3. Adjust the 'EFX LEVEL' knob to control the amount of effect applied to the mix.

6.5 USB Drive and Bluetooth Connection

The mixer supports audio playback and recording via USB drive and Bluetooth connectivity.

99 DSP EFFECTS

Bring more effects and options to your music production



Turn the knob to select the effect number and press the knob

99 DSP
DIGITAL MULTIEFFECTS

01-27--Reverb
28-53--Earlyref Delay
54-63--Echo
64-72--Chorus Flange

73-75--Tremolo
76-78--Wah-Wah
79-81--Radio Voice
82-89--Pitch Shifter
90-95--Dis Odr
96-99--Multi FX

Image: A USB flash drive inserted into the mixer's USB port and a smartphone connected via Bluetooth, illustrating playback and recording capabilities.

- **USB Drive:** Insert a USB flash drive into the USB port for MP3 playback or to record audio output directly to the drive. Use the transport controls (play/pause, skip) and 'MODE' button to navigate.
- **Bluetooth:** Activate Bluetooth on your smartphone, tablet, or laptop and pair with the mixer. The Bluetooth range is approximately 15 feet. Note: Bluetooth is for input only; it cannot connect to output devices.

6.6 PC Recording and Playback

The built-in HD recording chip allows for direct connection to a computer.

U-DISK/BLUETOOTH CONNECTION

The USB port can be connected to a USB flash drive for playback/recording; music playback via bluetooth connection



Image: A laptop connected to the mixer via a USB-C cable, demonstrating the plug-and-play recording and playback functionality with a built-in audio recording chip.

- Connect your PC to the mixer's Type-C port using the provided USB cable.
- The mixer will be recognized as an audio device by your computer.
- You can now record high-quality audio directly to your PC or play back audio from your PC through the mixer without additional software.

7. TROUBLESHOOTING

If you encounter issues with your Aveek F4 mixer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output	Incorrect connections, low volume, muted channels.	Check all cable connections. Ensure GAIN, LEVEL, and MAIN faders are not at minimum. Verify speakers/headphones are powered on and connected correctly.

Problem	Possible Cause	Solution
Distorted audio	Input signal too high (clipping), incorrect impedance.	Reduce GAIN for the affected channel until the PEAK indicator no longer flashes. Ensure correct cable types are used.
Condenser mic not working	48V Phantom Power not activated.	Press the 48V button for the channel connected to the condenser microphone.
Bluetooth not connecting	Out of range, not in pairing mode, already connected to another device.	Ensure the mixer is in Bluetooth mode. Move the source device closer to the mixer (within 15 feet). Disconnect from other devices.
USB recording/playback issues	USB drive format, file type incompatibility, drive not properly inserted.	Ensure USB drive is formatted correctly (FAT32). Check file types (MP3 for playback). Reinsert the USB drive.

8. SPECIFICATIONS

Feature	Detail
Model Number	F4
Number of Channels	4
Connectivity Technology	Bluetooth, USB
Power Source	Corded Electric
Voltage	48 Volts (Phantom Power)
Item Weight	2.86 pounds (1.3 Kilograms)
Product Dimensions	10.47 x 7.09 x 3.15 inches (10.5"D x 7"W x 3.15"H)
DSP Effects	99 Digital Effects (Reverb, Delay, Echo, etc.)
EQ Control	3-Band (High, Mid, Low) per channel
PC Recording	Built-in HD recording chip, plug-and-play via Type-C USB

9. MAINTENANCE






Proper maintenance ensures the longevity and optimal performance of your mixer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Do not use liquid cleaners or solvents.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the mixer to strong impacts.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating.

10. WARRANTY AND SUPPORT

Aveek products are designed for reliability and performance. For warranty information, please refer to the documentation provided at the time of purchase or contact Aveek customer support through your retailer. For technical assistance or further inquiries, please visit the official Aveek website or contact their customer service department.

Related Documents - F4

<p>MIXING CONSOLE Professional 5-Channel Audio Mixer with Effects Processor</p> <p>Owner's Manual</p>  <p>CE FC RoHS</p>	<p>Aveek F-5A Professional 5-Channel Audio Mixer Owner's Manual</p> <p>Comprehensive owner's manual for the Aveek F-5A professional 5-channel audio mixer. Learn about features, panel introduction, specifications, connections, operation, and precautions for recording, live streaming, and more.</p>
<p>Power Amplifier + Wireless Mic + Mixer Aveek E1 OWNER'S MANUAL</p>  <p>CE FC RoHS</p>	<p>Aveek E1 Owner's Manual: Power Amplifier, Wireless Mic, and Mixer</p> <p>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.</p>
<p>MIXING CONSOLE Professional 5-Channel Audio Mixer with Effects Processor</p> <p>Owner's Manual</p>  <p>CE FC RoHS</p>	<p>Aveek F-5A Professional 5-Channel Audio Mixer Owner's Manual</p> <p>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.</p>
<p>MIXING CONSOLE Professional 4-Channel Audio Mixer with PC Recording USB/Bluetooth Effects Processor</p> <p>Owner's Manual</p>  <p>CE FC RoHS</p>	<p>Aveek F-4A Professional 4-Channel Audio Mixer Owner's Manual</p> <p>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.</p>
<p>MIXING CONSOLE Professional 5-Channel Audio Mixer with Effects Processor</p> <p>Owner's Manual</p>  <p>CE FC RoHS</p>	<p>Aveek F-5A Professional 5-Channel Audio Mixer with Effects Processor Owner's Manual</p> <p>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.</p>

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.