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> [Phonic AM1204FX 8 Channel Mixer with Effects User Manual](#)

Phonic AM1204FX

Phonic AM1204FX 8 Channel Mixer with Effects

User Instruction Manual

1. INTRODUCTION

Thank you for choosing the Phonic AM1204FX 8 Channel Mixer with Effects. This compact mixer is designed for a variety of audio applications, from studio recording to live performances. It features four mono microphone/line inputs and two stereo line inputs, providing flexible connectivity. Each channel includes a musical 3-band equalizer, and mono channels are equipped with 75Hz low-cut filters to eliminate unwanted low-frequency noise. The integrated 32-bit digital effects processor offers 16 presets for enhancing your sound. This manual provides essential information for the proper setup, operation, and maintenance of your AM1204FX mixer.



Figure 1: Phonic AM1204FX 8 Channel Mixer. This image displays the compact design of the mixer, highlighting its various controls and input/output jacks.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating this device. Retain this manual for future reference.

- **Power Source:** Connect the unit only to the specified voltage (100V to 240V AC). Ensure the power cord is not damaged or pinched.
- **Water and Moisture:** Do not expose this appliance to rain or moisture. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.

- **Heat:** Do not place near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Cleaning:** Unplug the unit from the power outlet before cleaning. Use a dry cloth only.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- Phonic AM1204FX Mixer Unit
- AC Power Adapter
- User Manual (this document)

4. PRODUCT OVERVIEW

The Phonic AM1204FX is an 8-channel analog mixer designed for versatility and high-quality audio processing. Key features include:

- **Input Channels:** 4 mono mic/line channels and 2 stereo line inputs.
- **Equalization:** Musical 3-band EQ on each channel for precise tone shaping.
- **Low-Cut Filters:** 75Hz low-cut filters on mono channels to reduce rumble and unwanted low frequencies.
- **Digital Effects:** Integrated 32-bit digital effects processor with 16 selectable presets.
- **Phantom Power:** Global 48V phantom power for condenser microphones.
- **Compressor:** Variable compressor on mono channels for dynamic control.
- **Alt 3/4 Mix:** An additional alt 3/4 mix output for routing muted signals.
- **Low-Noise Preamps:** High-quality preamplifiers for clear audio reproduction.

5. SETUP

Follow these steps to set up your Phonic AM1204FX mixer:

1. **Power Connection:** Connect the supplied AC power adapter to the mixer's power input and then to a suitable electrical outlet. Ensure the mixer's power switch is in the OFF position before connecting.
2. **Microphone/Line Inputs:**
 - For microphones, use XLR cables to connect to the MIC inputs (Channels 1-4).
 - For line-level instruments (keyboards, drum machines), use 1/4" TRS or TS cables to connect to the LINE inputs (Channels 1-4) or the STEREO LINE inputs (Channels 5/6, 7/8).
3. **Output Connections:**
 - Connect your main speakers or amplifier to the MAIN OUT (XLR or 1/4" TRS) jacks.
 - If using external monitors, connect them to the CONTROL ROOM OUT or AUX SEND jacks.
 - For recording, connect to the REC OUT (RCA) jacks.
4. **Headphones:** Connect your headphones to the PHONES output.
5. **Power On:** Once all connections are secure, switch the mixer's power ON. Gradually raise the master fader and individual channel faders.

6. OPERATING THE MIXER

This section details the primary functions and controls of your AM1204FX mixer.

6.1 Channel Controls (Mono Channels 1-4)

- **GAIN:** Adjusts the input sensitivity for the microphone or line input. Set this to achieve a healthy signal level without clipping.
- **COMP:** (Compressor) Controls the amount of compression applied to the channel. Use to smooth out dynamic peaks.
- **LOW CUT:** Activates the 75Hz low-cut filter to remove unwanted low-frequency noise.
- **EQ (HIGH, MID, LOW):** 3-band equalizer for adjusting the treble, midrange, and bass frequencies of the channel.
- **AUX:** Sends a portion of the channel signal to the AUX output, typically used for monitor mixes or external effects.
- **FX:** Sends a portion of the channel signal to the internal effects processor.
- **PAN:** Positions the channel signal within the stereo field (left to right).
- **MUTE/ALT 3/4:** Mutes the channel from the main mix and routes it to the Alt 3/4 output.
- **LEVEL:** Adjusts the overall output level of the channel to the main mix.

6.2 Stereo Channels (5/6, 7/8)

These channels are designed for stereo line-level sources and feature similar controls to mono channels, excluding GAIN, COMP, and LOW CUT. They include EQ, AUX, FX, BAL (balance), MUTE/ALT 3/4, and LEVEL controls.

6.3 Master Section Controls

- **PHANTOM POWER (+48V):** Activates 48V phantom power for condenser microphones connected to the MIC inputs. Ensure microphones are connected before engaging.
- **FX PRESET/LEVEL:** Selects one of the 16 internal digital effects presets and adjusts the overall level of the effects return to the main mix.
- **MAIN MIX FADER:** Controls the overall output level of the main stereo mix.
- **PHONES/CTRL ROOM:** Adjusts the output level for headphones and control room monitors.
- **LEVEL METERS:** LED meters display the output level of the main mix. Aim for levels that peak around 0 dB to avoid clipping.

7. 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:** When not in use, store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Dust Protection:** Keep the mixer covered when not in use to prevent dust accumulation, which can affect faders and potentiometers.
- **Cable Management:** Ensure cables are neatly organized and not under strain to prevent damage to connectors and ports.

8. TROUBLESHOOTING

If you encounter issues with your AM1204FX mixer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound output	Power off/unplugged Master fader down Channel fader down Mute engaged Incorrect input/output connections	Check power connection and switch Raise MAIN MIX fader Raise individual channel LEVEL fader Disengage MUTE button Verify all cables are correctly connected
Humming or buzzing noise	Ground loop Unbalanced cables Interference from other electronics	Use balanced cables (XLR, TRS) Try different power outlets Move mixer away from power supplies or monitors
Distorted sound	Input GAIN too high Output level too high	Reduce GAIN on individual channels Lower MAIN MIX fader or channel LEVEL faders Check connected devices for clipping
Phantom power not working	+48V switch not engaged Faulty XLR cable	Press the +48V PHANTOM POWER button Test with a different XLR cable

9. SPECIFICATIONS

Feature	Detail
Model Number	AM1204FX
Number of Channels	8 (4 mono mic/line, 2 stereo line)
Digital Effects Processor	32-Bit with 16 presets
Phantom Power	Global +48V
Equalizer	3-band on each channel
Low-Cut Filter	75Hz on mono channels
Compressor	Variable on mono channels
Power Source	100V-240V AC (Universal Power Supply)
Item Weight	1.39 pounds
Product Dimensions	3.55 x 4.44 x 6.83 inches
Connectivity Technology	XLR, RCA/TRS

10. WARRANTY AND SUPPORT

Phonic products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Phonic website. If you require technical assistance or have questions not covered in this manual, please contact Phonic customer support through their official channels.

Official Phonic Website: www.phonic.com

