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› [NEW BAXS](#) /

› NEW BAXS CT120S Professional DJ Audio Mixer User Manual

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Model: CT120S | Brand: NEW BAXS

1. INTRODUCTION

Thank you for choosing the NEW BAXS CT120S Professional DJ Audio Mixer. This 12-channel mixer is designed for professional audio applications, offering versatile connectivity and sound control for various environments including karaoke, studio recording, streaming, and live performances. This manual provides essential information for setting up, operating, and maintaining your mixer.



Figure 1: Main view of the NEW BAXS CT120S Professional DJ Audio Mixer.

2. PRODUCT OVERVIEW AND FEATURES

The CT120S mixer is equipped with a comprehensive set of features to ensure high-quality audio mixing and recording.

2.1. Input Channels

The mixer features 12 input channels, each with dedicated controls for optimal sound shaping.

- **XLR/Line Inputs:** Each channel includes XLR inputs for microphones and 1/4 inch (6.35mm) line input jacks for instruments or other line-level devices.
- **Gain Control:** Adjust the input sensitivity for each channel.
- **3-Band EQ:** High, Mid, and Low-frequency adjustment knobs (+/-15dB) for precise tonal control.
- **AUX Send:** Control the amount of signal sent to external effects or monitoring systems.
- **FX Send:** Control the amount of signal sent to the built-in effects processor.
- **PAN Control:** Adjust the stereo positioning (left/right) of each channel.
- **Channel Faders:** Individual faders for precise volume control of each input channel.
- **PFL/AFL Monitoring:** Pre-Fader Listen (PFL) and After-Fader Listen (AFL) buttons for independent channel monitoring.

Figure 2: Detailed diagram of the mixer's controls and connections.

2.2. Digital MP3 Player & Connectivity

The mixer features a built-in digital MP3 player with multiple connectivity options.

- **USB Interface:** Supports USB flash drive/external storage for direct MP3/WAV/WMA playback and recording.
- **Bluetooth 5.0:** Wireless connection for streaming audio from mobile phones, computers, and tablets.
- **PC Connection:** Connect to a computer for audio playback and high-quality recording.
- **7-bit LED Display:** Provides visual feedback for settings and levels.



Figure 3: Wireless Bluetooth connectivity for audio streaming.

2.3. Effects Processor

A built-in FX processor allows for dynamic audio transformations.

- **FX Control:** Adjust the overall effect level.

- **DLY (Delay):** Manipulate echoic attributes.
- **REP (Repeat):** Control the number of repetitions for effects.
- **REF (Reverb):** Add spatial nuances, emulating different acoustics.

2.4. Output Section

- **Main Outputs (L/R):** XLR and 1/4 inch (6.35mm) outputs for connecting to main speakers or amplifiers.
- **Headphone Output:** Dedicated output with volume control for monitoring.
- **Tape Input/Output:** RCA connections for external recording devices or playback.

2.5. Phantom Power (+48V)

The mixer provides +48V phantom power for condenser microphones on channels 1-12. A dedicated button allows you to switch phantom power on/off.



Figure 4: 48V Phantom Power activation for condenser microphones.

2.6. Physical Design

- **Ultra-thin and Rugged Chassis:** Durable design with sealed rotary controls to resist dust.
- **Detachable Anti-Collision Strip:** Removable and recessed design of ABS anti-collision strip for protection.

DETACHABLE ANTI-COLLISION STRIP

Removable and recessed design of ABS anti-collision strip can protect audio mixer.



Figure 5: Detachable anti-collision strip for enhanced durability.

3. SETUP

3.1. Power Connection

1. Ensure the mixer's power switch is in the OFF position.
2. Connect the provided power adapter to the mixer's power input.
3. Plug the power adapter into a suitable electrical outlet.
4. Flip the power switch to the ON position. The power indicator light will illuminate.

3.2. Input Connections

Connect your audio sources to the appropriate input channels.

- **Microphones:** Connect dynamic microphones using XLR cables. For condenser microphones, connect via XLR and activate the +48V Phantom Power button on the respective channel.

- **Line-Level Devices/Instruments:** Connect devices like keyboards, guitars (via DI box), or other audio players using 1/4 inch (6.35mm) cables to the LINE IN jacks.
- **USB Flash Drive:** Insert a USB flash drive into the USB port for MP3/WAV/WMA playback or recording.



Figure 6: Multiple device interconnection for versatile audio mixing.

3.3. Output Connections

Connect your monitoring and playback devices.

- **Main Speakers/Amplifier:** Connect to the MAIN OUT L/R (XLR or 1/4 inch) outputs.
- **Headphones:** Plug your headphones into the PHONES jack.
- **External Recorder:** Use the TAPE OUT RCA jacks to send the mixed signal to an external recording device.

4. OPERATING INSTRUCTIONS

4.1. Channel Adjustment

For each input channel:

- **Gain:** Adjust the GAIN knob to set the input level. Ensure the PK! (Peak) LED does not light up constantly, indicating signal clipping.
- **Equalization (EQ):** Use the HI, MID, and LOW knobs to shape the tone of your audio source.
- **AUX/FX Send:** Adjust the AUX and FX knobs to send the desired amount of signal to the auxiliary output or internal effects processor.
- **PAN:** Position the sound in the stereo field using the PAN knob.
- **Channel Fader:** Use the vertical fader to control the individual channel's volume in the main mix.



Figure 7: Independent channel adjustment for precise sound control.

4.2. Effects Adjustment

The built-in effects processor offers various effects to enhance your sound.

- **FX Knob:** Adjust the overall level of the selected effect.

- **DLY/REP/REF:** Use these knobs to fine-tune the parameters of the delay and reverb effects.
- **Effects Fader:** Control the master output level of the effects.

4.3. Monitoring

Use the PFL/AFL buttons for precise monitoring.

- **PFL (Pre-Fader Listen):** Press the PFL button on a channel to monitor its signal before it reaches the channel fader. This is useful for setting gain levels.
- **AFL (After-Fader Listen):** Monitor the signal after the channel fader.



Figure 8: PFL/AFL independent channel monitoring.

4.4. Bluetooth/USB Playback & Recording

The digital MP3 player allows for flexible audio handling.

- **Mode Selection:** Use the MENU button to navigate between USB, Bluetooth, PC, and Record modes.
- **Playback:** In USB or Bluetooth mode, use the play/pause and track navigation buttons to control audio playback.
- **Recording:** In Record mode, you can record the mixed audio directly to a connected USB flash drive.



U DISK TO PLAYING & RECORDING

Support USB Connction with strong stability
No driver, no setup, plug and play

Figure 9: USB connection for playing and recording audio.

4.5. Main Output Control

Adjust the master volume of the entire mix using the L MAIN R faders.

5. OFFICIAL PRODUCT VIDEOS

Professional DJ Audio Mixer Overview

This video provides a brief overview of the Professional DJ Audio Mixer, highlighting its key features and functionalities. (Duration: 0:33)

Mixer for Streaming, Recording, Live Performances

This video demonstrates the mixer's use in various scenarios such as streaming, recording, and live performances, showcasing its versatility. (Duration: 4:26)

6/8/12 Channel Professional Audio Mixer

A video showcasing the features and capabilities of the 6, 8, and 12 channel professional audio mixers. (Duration: 1:21)

6. MAINTENANCE

- Keep the mixer clean by wiping it with a soft, dry cloth.
- Avoid exposing the mixer to excessive dust, moisture, or extreme temperatures.
- Do not use abrasive cleaners or solvents.
- Ensure proper ventilation to prevent overheating.

7. TROUBLESHOOTING

- **No Sound:** Check all cable connections, ensure power is on, and verify all volume faders and gain knobs are set appropriately. Check speaker connections and power.
- **Distorted Sound:** Reduce gain levels on input channels and main outputs. Check for loose or damaged cables.
- **No Phantom Power:** Ensure the +48V button is pressed for condenser microphones.
- **Bluetooth Connection Issues:** Ensure Bluetooth is enabled on your device and the mixer is in Bluetooth mode. Try forgetting and re-pairing the device.

8. SPECIFICATIONS

Feature	Detail
Model Number	CT120S
Number of Channels	12
Connectivity Technology	Bluetooth, USB
Power Source	Corded Electric
Voltage	220 Volts
Item Weight	10.8 Pounds
Product Dimensions	20.07"D x 1.33"W x 12.99"H

9. WARRANTY AND SUPPORT

NEW BAXS provides a **12-month extended warranty** for this product. For any issues or inquiries, please contact customer service. We are committed to ensuring your complete satisfaction.

Customer Service: NEWBAXS13001@outlook.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question