Soundcraft Signature 12MTK

Soundcraft Signature 12MTK Analog 12-Channel Multi-track Mixer User Manual

Model: Signature 12MTK

1. Introduction and Overview

The Soundcraft Signature 12MTK is a high-performance 12-input small format analog mixer designed for live sound mixing, studio recording, and production. It integrates an ultra-low latency USB recording interface, a premium analog mixer, and onboard Lexicon effects. This mixer is built upon Soundcraft's legacy of superior audio quality and reliability, featuring high-grade Ghost preamps, Soundcraft Sapphire British EQ, and powerful dbx dynamics processing.

Key Features:

- High-performance 12-Input small format analogue mixer with onboard effects and multi-track USB recording and playback.
- 14-In/12-out ultra-low latency USB playback and recording interface.
- Iconic Soundcraft Ghost mic preamps with ultra-low noise performance.
- Renowned Soundcraft Sapphire British EQ with sweepable mid-bands per channel.
- Lexicon effects engine featuring award-winning reverbs, delays, choruses, and modulations.

2. Setup

Before operating the Soundcraft Signature 12MTK mixer, ensure all connections are made correctly and safely. Place the mixer on a stable, flat surface. Connect the power supply to the mixer and then to a suitable power outlet. Avoid placing the mixer in direct sunlight or near heat sources.

2.1 Initial Connections:

- **Audio Inputs:** Connect microphones, instruments, and other audio sources to the appropriate XLR or 1/4-inch jack inputs. Ensure phantom power (+48V) is only enabled for condenser microphones.
- **Audio Outputs:** Connect main outputs (XLR) to your power amplifier or powered speakers. Use auxiliary outputs for monitor mixes or external effects.
- **USB Connectivity:** Connect the mixer to your computer via a USB cable for multi-track recording and playback. Install necessary drivers if prompted by your operating system.
- **Headphones:** Connect headphones to the dedicated headphone jack for monitoring.

2.2 Powering On:

After all connections are secure, power on the mixer. It is recommended to power on the mixer before connecting to amplifiers or powered speakers, and to power off amplifiers/speakers before powering off the mixer, to prevent sudden loud noises.

3. Operating Instructions

The Soundcraft Signature 12MTK offers intuitive controls for mixing and recording. Familiarize yourself with the layout of the channels, master section, and effects.

3.1 Channel Controls:

- **Gain:** Adjust the input sensitivity for each channel to achieve optimal signal levels without clipping.
- **EQ:** Use the Sapphire British EQ to shape the tone of each input. The sweepable mid-bands allow for precise frequency adjustments.
- **Aux Sends:** Control the amount of signal sent to auxiliary outputs for monitor mixes or external effects.
- **Pan:** Position the channel's signal within the stereo field.
- **Fader:** Adjust the overall volume level of the channel.

3.2 Master Section:

- **Main Mix Fader:** Controls the overall output volume of the stereo mix.
- **Lexicon Effects:** Select and adjust parameters for the onboard Lexicon effects (reverbs, delays, choruses, modulations).
- **dbx Limiters:** Engage dbx limiters on input channels to prevent clipping and protect your audio signal.

3.3 Multi-track USB Recording:

The 14-in/12-out USB interface allows for multi-track recording directly to a Digital Audio Workstation (DAW) on your computer. Each input channel can be recorded independently, providing flexibility for post-production. The USB also supports playback from your DAW through the mixer.

4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Soundcraft Signature 12MTK mixer.

- **Cleaning:** Regularly wipe the surface of the mixer with a soft, dry cloth. Avoid using abrasive cleaners or solvents. For stubborn dirt, a slightly damp cloth can be used, ensuring no liquid enters the controls or openings.
- **Dust Protection:** When not in use, cover the mixer with a dust cover to prevent dust accumulation, which can affect faders and potentiometers.
- **Environmental Conditions:** Operate and store the mixer in a dry environment, away from extreme temperatures and humidity.
- **Cable Management:** Ensure cables are neatly organized and not under strain to prevent damage to connectors and inputs/outputs.

5. Troubleshooting

If you encounter issues with your Soundcraft Signature 12MTK, refer to the following common troubleshooting steps:

- **No Sound Output:**
  - Check all cable connections, especially main outputs to amplifiers/speakers.
  - Ensure the main mix fader and individual channel faders are raised.
  - Verify that the input gain is set appropriately and not muted.
  - Confirm that the power amplifier or powered speakers are turned on and functioning.
- **Distorted Sound:**

- Reduce input gain on channels that are clipping (indicated by red peak LEDs).
- Lower the main mix fader if the overall output is distorting.
- Check for damaged cables or faulty audio sources.
- Ensure dbx limiters are engaged if needed to prevent overloads.

- **USB Recording Issues:**
  - Verify the USB cable is securely connected to both the mixer and the computer.
  - Ensure the correct audio interface (Soundcraft Signature 12MTK) is selected in your DAW's audio settings.
  - Check for updated drivers for the mixer on the Soundcraft website.
  - Confirm that the computer's USB port is functioning correctly.

- **No Effects:**
  - Ensure the Lexicon effects engine is turned on and an effect is selected.
  - Check the FX send levels on individual channels and the master FX return level.

For further assistance, consult the official Soundcraft support resources or contact customer service.

6. Specifications

Feature	Detail
Brand	Soundcraft
Model	Signature 12MTK
Number of Channels	12
Item Weight	15.7 Pounds
Connectivity Technology	USB
Power Source	Corded Electric
Output Connector Type	XLR
Audio Input	USB
UPC	668705001151

7. Product Visuals

7.1 Product Images



An angled view of the Soundcraft Signature 12MTK Analog 12-Channel Multi-track Mixer, showcasing its various faders, knobs, and input/output sections. The mixer features a grey and black chassis with colorful controls.



A top-down perspective of the Soundcraft Signature 12MTK mixer, highlighting the arrangement of its 12 channels, master section, and integrated effects controls. The layout is designed for efficient operation.



A side view of the Soundcraft Signature 12MTK mixer, showing its compact profile and the various input and output ports located on the rear panel, including XLR and 1/4-inch jacks.

7.2 Official Product Videos



This video provides an overview of the Soundcraft Signature and UI series mixers, highlighting their features, sound quality, and applications in live sound and recording environments. It showcases the mixers in action with musicians and sound engineers.

8. Warranty and Support

The Soundcraft Signature 12MTK comes with a standard manufacturer's warranty. For detailed warranty information and terms, please refer to the documentation included with your product or visit the official Soundcraft website.
For product support, technical assistance, or to explore other Soundcraft products, please visit the Soundcraft Store.

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