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Soundcraft Si Impact

Soundcraft Si Impact 40-channel Digital Mixer User Manual

Brand: Soundcraft | Model: Si Impact

1. INTRODUCTION

The Soundcraft Si Impact is a powerful and versatile 40-channel digital mixer designed for professional audio applications. It combines the intuitive operation of an analog console with the advanced flexibility of digital processing. This manual provides essential information for setting up, operating, and maintaining your Si Impact mixer, ensuring optimal performance and longevity.

Key features include 32 mic preamps, eight XLR combo jacks, 40 DSP input channels, 31 output buses, 4-band parametric EQ on each channel, eight VCAs and eight mute groups, 26 motorized faders, built-in stagebox connectivity, a 5-inch touchscreen display, multicolor LCD displays on each fader, and onboard DSP.



A detailed view of the Soundcraft Si Impact 40-channel Digital Mixer, showcasing its comprehensive control surface. The top section features input, gate, compressor, and equalizer controls with various knobs and buttons. A central 5-inch touchscreen display shows the main menu with options like SHOW, SYSTEM, INSERT, OSC, INPUTS & VCA, PREFS, SOLO, MONITOR, SECURITY, and FADER SELECT.

OUTPUTS, and EQ. To the right of the screen are USB ports and monitor level indicators. The lower section of the mixer displays 24 motorized faders, each with a multicolor LCD display above it, indicating channel status. Additional controls for VCA, Mute, and Solo are also visible. The mixer integrates Lexicon, Studer, and dbx technologies, as indicated by the logos.

2. SETUP

2.1 Unpacking and Placement

Carefully unpack the Soundcraft Si Impact mixer and all accessories. Ensure the mixer is placed on a stable, flat surface with adequate ventilation. Avoid placing it near heat sources or in direct sunlight. The mixer dimensions are 27.6 x 12.9 x 9.1 inches, and it weighs 53 pounds.

2.2 Power Connection

Connect the provided power cable to the mixer's power input and then to a suitable AC power outlet. Ensure the power switch is in the OFF position before connecting.

2.3 Input and Output Connections

The Si Impact features 32 mic preamps and eight XLR combo jacks for various audio sources. Connect your microphones, instruments, and other audio devices to the appropriate input channels. Utilize the 31 output buses for routing audio to monitors, amplifiers, and recording devices. The mixer also includes 32-in/32-out USB interface for computer connectivity.

2.4 Initial Power-Up

Once all connections are secure, switch the mixer ON. The 5-inch touchscreen display will illuminate, and the system will initiate its startup sequence. Allow the mixer to fully boot before attempting operation.

3. OPERATING THE MIXER

3.1 Navigating the Touchscreen Display

The 5-inch touchscreen display provides intuitive access to all mixer parameters. Use your finger to navigate menus, adjust settings, and control various functions. The multicolor LCD displays on each fader provide at-a-glance status information for individual channels.

3.2 Channel Control and Faders

The Si Impact features 26 motorized faders for precise control over input channels, output buses, and other assignable functions. The FaderGlow system illuminates faders in different colors to indicate their current assignment (e.g., inputs, aux sends, FX returns), enhancing workflow efficiency.

3.3 Equalization and Dynamics

Each channel is equipped with a 4-band parametric EQ for detailed tonal shaping. Onboard DSP provides comprehensive dynamics processing, including gates and compressors, to control the dynamic range of your audio signals. Access these settings via the touchscreen or dedicated physical controls.

3.4 USB Audio Interface

The integrated 32-in/32-out USB audio interface allows for multi-track recording and playback with a connected computer. Refer to the Soundcraft website for driver installation and software compatibility.

4. MAINTENANCE

4.1 Cleaning

Regularly clean the mixer's surface with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and mild cleaning solution, ensuring no liquid enters the controls or openings. Avoid abrasive cleaners or solvents. Keep the touchscreen clean using a microfiber cloth.

4.2 Software Updates

Periodically check the Soundcraft website for firmware and software updates. Keeping your mixer's software up-to-date ensures optimal performance, new features, and bug fixes. Follow the provided instructions carefully during the update process.

4.3 Storage

When not in use, store the mixer in a cool, dry environment, protected from dust and extreme temperatures. If transporting, use a dedicated flight case to prevent damage.

5. TROUBLESHOOTING

5.1 No Power

- Ensure the power cable is securely connected to both the mixer and a working power outlet.
- Check the power switch on the mixer.
- Verify the power outlet is functional by plugging in another device.

5.2 No Sound Output

- Check all input and output cable connections.
- Ensure channel faders, master faders, and bus sends are raised to appropriate levels.
- Verify that channels or buses are not muted.
- Check the routing settings on the touchscreen to ensure audio is directed to the correct outputs.

5.3 Distorted Audio

- Reduce input gain levels if the input meters are consistently clipping (red).
- Check output levels to ensure they are not overdriving connected amplifiers or speakers.
- Inspect cables for damage or improper connections.

6. SPECIFICATIONS

Feature	Detail
Channels	40 DSP Input Channels, 80-channel Digital Mixing Console
Mic Preamps	32
XLR Combo Jacks	8
Output Buses	31 (including 20 Aux Buses, 4 Matrix Buses)
USB Audio Interface	32-in/32-out
Faders	26 Motorized Faders
Display	5-inch Touchscreen, Multicolor LCDs on Faders
Dimensions (L x W x H)	27.6 x 12.9 x 9.1 inches

Weight	53 pounds
UPC	688705008356

7. WARRANTY INFORMATION

For detailed warranty information regarding your Soundcraft Si Impact digital mixer, please refer to the warranty card included with your product or visit the official Soundcraft website. Warranty terms and conditions may vary by region and retailer.

8. CUSTOMER SUPPORT

Should you require technical assistance, troubleshooting, or have questions about your Soundcraft Si Impact mixer, please visit the official Soundcraft support website or contact their customer service department. Contact details can typically be found on the manufacturer's website or in the product packaging.