

[Manuals.plus](#) /

> [Studiomaster](#) /

> Studiomaster Club XS16+ 16-Input Mixing Console User Manual

Studiomaster Club XS 16+

Studiomaster Club XS16+ 16-Input Mixing Console User Manual

Model: Club XS 16+

INTRODUCTION

This user manual provides comprehensive instructions for the Studiomaster Club XS16+ 16-input mixing console. It covers essential information regarding setup, operation, maintenance, and technical specifications to ensure optimal performance and longevity of your device. Please read this manual thoroughly before using the mixer.

IMPORTANT SAFETY INFORMATION

- **Power Supply:** Ensure the mixer is connected to a power source within the specified voltage range (100V-240V ~). Use only the provided power cable.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Moisture:** Do not expose the mixer to rain, moisture, or liquids. Avoid placing liquid-filled objects on the unit.
- **Servicing:** Refer all servicing to qualified service personnel. Do not attempt to open or repair the unit yourself.
- **Placement:** Place the mixer on a stable, level surface. Avoid extreme temperatures, direct sunlight, and strong vibrations.

PRODUCT OVERVIEW

The Studiomaster Club XS16+ is a compact and portable 16-input mixing console designed for live performance and home recording. It features 12 microphone channels, 2 stereo channels, 2 AUX sends, 16 built-in DSP effects, Bluetooth connectivity, and USB/SD card playback and recording capabilities.



Figure 1: Top view of the Studiomaster Club XS16+ mixer.

Key Features:

- 16 total inputs (12 mic, 2 stereo)
- 3-band EQ on mono channels, 2-band EQ on stereo channels
- 2 auxiliary sends
- 16 DSP effects with footswitch control
- Bluetooth connectivity for audio streaming
- USB/SD media player for MP3 playback and mono recording
- Balanced XLR main outputs and jack outputs for auxiliaries/control room
- PFL (Pre-Fader Listen) on all channels
- Compressor control and mute switch on mic/line input channels

SETUP AND CONNECTIONS

Before powering on the mixer, ensure all connections are made correctly.



Figure 2: Rear panel connections.

1. **Power Connection:** Connect the supplied power cable to the mixer's power input on the rear panel and then to a suitable AC outlet (100V-240V ~). Do not power on yet.
2. **Microphone/Line Inputs:**
 - For microphones, use XLR cables and connect to the XLR inputs (channels 1-12).
 - For line-level instruments or devices, use 1/4" jack cables and connect to the LINE inputs (channels 1-12) or stereo channels (13/14, 15/16).
3. **Main Outputs:** Connect your main speakers or amplifier to the balanced XLR MAIN MIX outputs.
4. **Auxiliary Outputs:** Use the 1/4" jack AUX SEND outputs to connect to external effects processors or monitor speakers.
5. **Control Room/Headphones:** Connect control room monitors to the CONTROL ROOM jack outputs and headphones to the HEADPHONE jack.
6. **USB/SD Media:** Insert a USB drive or SD card into the respective slots for playback or recording.
7. **Power On:** Once all connections are secure, switch on the mixer's power.

OPERATING INSTRUCTIONS

Channel Controls (Mono Channels 1-12):

- **GAIN:** Adjusts the input sensitivity for the microphone or line input. Set this to achieve a healthy signal level without clipping.
- **COMP:** Controls the amount of compression applied to the input signal.
- **EQ (HI, MID, LO):** 3-band equalizer for shaping the tone of the channel.
- **AUX1/AUX2:** Sends the channel signal to the respective auxiliary outputs for monitors or external effects.
- **FX:** Sends the channel signal to the internal DSP effects processor.
- **PAN:** Positions the channel signal in the stereo field (left to right).
- **MUTE:** Silences the channel.
- **PFL:** Pre-Fader Listen. Routes the channel signal to the headphones/control room output for monitoring before the fader.
- **LEVEL FADER:** Adjusts the output level of the channel to the main mix.

Stereo Channels (13/14, 15/16):

- Similar controls to mono channels, but with 2-band EQ (HI, LO) and stereo input jacks.

DSP Effects:

- The mixer includes 16 DSP effects. Use the PROGRAM knob to select an effect.
- Adjust the FX LEVEL knob to control the overall level of the effects return to the main mix.
- A footswitch socket is available for remote control of DSP effects.

USB/SD Media Player:

- Insert a USB drive or SD card. The display will show media information.
- Use the transport controls (Play/Pause, Stop, Skip) to manage audio playback.
- The media player also supports mono recording to USB or SD card (128kbps).

Bluetooth Connectivity:

- Activate Bluetooth on your external device.
- Select the mixer (e.g., "CLUB XS16+") from the list of available devices to pair.
- Once paired, audio from your device will stream through the mixer.

Main Mix Section:

- **MAIN MIX FADERS:** Control the overall output level of the left and right main mix.
- **LEVEL METERS:** Provide visual indication of the main mix output level. Aim for levels around 0dB to avoid clipping.

MAINTENANCE AND CARE

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the surface of the mixer. Do not use liquid cleaners or solvents.
- **Dust:** Regularly remove dust from the ventilation grilles to maintain proper cooling.
- **Storage:** When not in use for extended periods, store the mixer in a dry, dust-free environment.
- **Transport:** When transporting the mixer, use appropriate protective casing to prevent damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Power not connected or switched on. Main mix faders are down. Channel faders are down or muted. Output cables are disconnected or faulty. Speakers/amplifier not powered on or connected.	Check power connection and switch. Raise MAIN MIX faders. Raise channel faders and check MUTE buttons. Verify all output cables are secure and functional. Ensure speakers/amplifier are powered and connected.
No input signal	Input gain too low. Input cable disconnected or faulty. Microphone/instrument not working. Channel muted.	Increase GAIN knob for the respective channel. Check input cables and connections. Test microphone/instrument separately. Ensure channel MUTE button is off.
Distorted sound	Input gain too high (clipping). Main mix output too high. Faulty cable or component.	Reduce GAIN knob until peak indicators no longer light up. Lower MAIN MIX faders. Test with different cables and components.
Bluetooth not connecting	Bluetooth not enabled on external device. Mixer not in pairing mode or already paired. Interference.	Ensure Bluetooth is active on your device. Check mixer's Bluetooth status; try re-pairing. Move closer to the mixer or away from other wireless devices.

TECHNICAL SPECIFICATIONS

Feature	Detail
Inputs	16 (12 Mic, 2 Stereo)
Mic Gain Range	6dB to 50dB
Line Gain Range	10dB to 34dB
EIN	-100dB
Frequency Response	10Hz - 20kHz (+1/-3dB)
THD Mic Channel	<0.1%
Signal to Noise Ratio	80dB
Output Levels	Max +26dB (Balanced), +20dB (Unbalanced)
EQ (Mono Channels)	Hi 12kHz, Mid 2.5kHz, Lo 45Hz, Lo cut 80Hz
EQ (Stereo Channels)	Hi 12kHz, Lo 45Hz
USB/SD	MP3 Audio playback, Record to USB/SD (128kbps mono)
DSP Effects	16 effects
Power Requirements	100V - 240V ~
Dimensions (W*D*H)	385 x 527 x 85 mm (15.16 x 20.75 x 3.35 inches)
Item Weight	8.6 kg (18.92 pounds)
Connectivity Technology	Bluetooth

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Studiomaster website or contact your authorized dealer. Keep your purchase receipt as proof of purchase.

Note: Protection plans may be available for purchase separately. These plans are typically offered by third-party providers and are not directly part of the manufacturer's warranty.