

STUDIOMASTER CLUBXS10 USER MANUAL



EXPECT THE BEST



Studiomaster

Unit 11,
Torr:MK
Chippenham Drive
Kingston
Milton Keynes
MK10 0BZ
United Kingdom.
Tel: +44(0)1908 281072 email: enquiries@studiomaster.com
www.studiomaster.com

Studiomaster

CLUBXS USER GUIDE

**CLUBXS8/10
PROFESSIONAL MIXER**

Service Information

If you have a problem with your Studiomaster product or think it has developed a fault contact your local dealer or distributor for service details.

Should it be recommended you return the product to your nearest Studiomaster Service Centre you must first contact them.

You will be asked for the product type and serial number. You will then be given a Returns Authorisation (RA) number.

Pack the unit in its original carton to protect it from shipping damage.

You must have the Returns Authorisation number clearly marked on the outside of the carton or we may refuse the delivery. Studiomaster cannot be held responsible for damage resulting from the equipment being packed incorrectly.

Label the equipment clearly with your name and address and include a clear description of the fault. The more information you supply helps the service engineer, minimising repair cost when out of warranty.

Please write your Serial number here for future reference....

1. Introduction:

Thank you for Studiomaster CLUBXS8/10 compact mixer which features universal voltage 100-240V, compression function of each mic channel to keep crystal clear sound during performance. The mixer can play the music via SD card/USB/bluetooth. The mic sound or music of line in can be recorded to SD card/USB to suit for the requirement of solo or band performance or conference recording.

Application:

suitable for the applications in PA system or indoor recording, e.g. Movie/TV/music recording in theatre/dancing hall/bar/conference hall, etc;

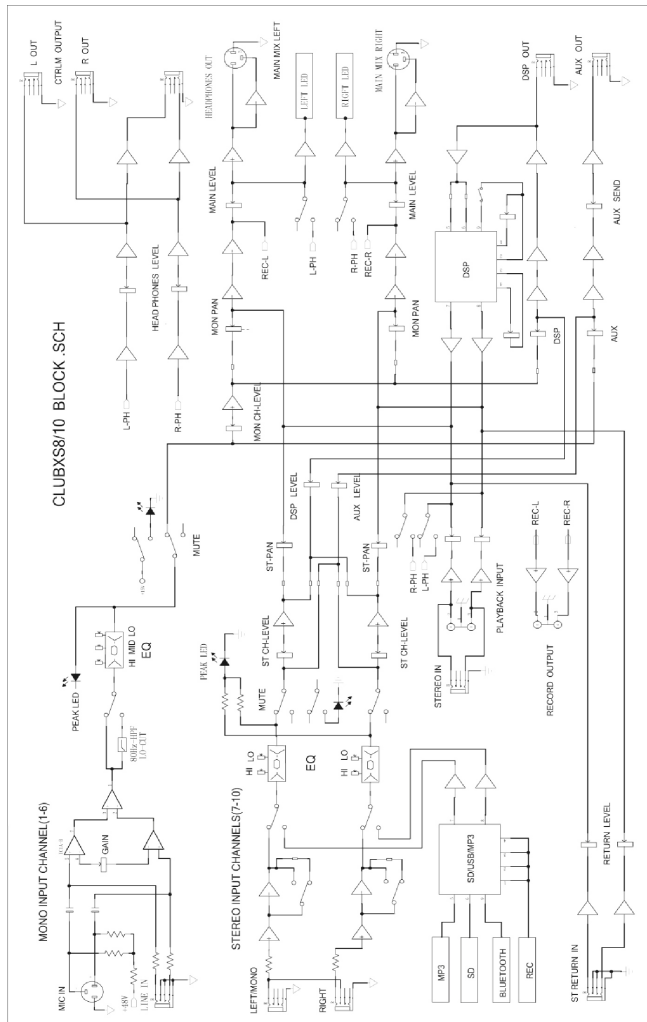
2. Function

- 1) 4-6 CH MIC/line and 2CH stereo inputs;
- 2) Compression function of mic channels (0-9dB);
- 3) Built-in USB/SD card/bluetooth playing/recording function;
- 4) 48V phantom power for condenser mic;
- 5) Built-in 16 program DSP with adjustable delay for wonderful effect;
- 6) Main outputs with 2X8 accurate meter to monitor output level;
- 7) Universal voltage 100V-240V;

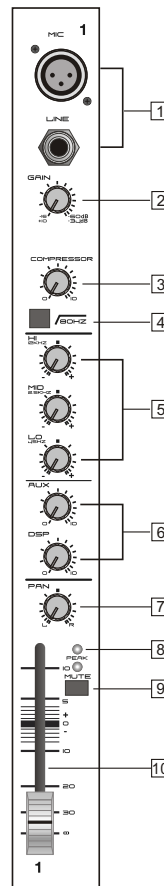


Specification

Mono input	
Mic input	Bal input
Frequency response	10 Hz to 30 kHz, +/-3 dB
THD(THD&N)	0.03% at +4 dBu, 22Hz-20kHz A-weighted
Compression	GAIN:0-9dB, THRESHOLD: 20dB ¹ 5dB
S/N ratio	(SNR)115 dB
Line in	Bal input
Frequency response	10 Hz to 30kHz, +/-3 dB
THD(THD&N)	0.005% at +4 dBu, 22Hz-20kHz A-weightde
Max gain	75 dBu MIC INPUT MAIN OUTPUT
Stereo input channel	
Line in	Bal/unbal
Frequency response	10 Hz to 55 kHz, +/-3 dB
THD(THD&N)	0.005% at +4 dBu, 22Hz-20kHz A-weighted
Impedance	
Mic input	1.4 kOhm
Line in	10 kOhm
Other inputs	10 kOhm or more
Recording output	1 kOhm
Other outputs	120 Ohm
Mono EQ	
HI	+/-15 dB @12 kHz
MID	+/-15 dB @2.5 kHz
LOW	+/-15 dB @45 Hz
Low cut filter	80 Hz, 18 dB/Oct.
Stereo EQ	
HI	+/-15 dB @12 kHz
LOW	+/-15 dB @60 Hz
DSP	A/D & D/A converter sample frequency 24-Bit. 16 programs
Main mix	
Noise (BUS noise)	Fader 0dB, all input channel knobs set to minimum, EQ knobs set to middle, -100dBu(reference: +4dBu)
Max output	Bal: +27dBu; unbal: +22dBu 1/4" connector
	AUX: +22 dBu
	DSP: +22dBu
Power supply	100-240 VAC~50/60 Hz
Dimension(D*W*H)mm	CLUBXS8: 358X280X76 CLUBXS10: 358X336X76
Net weight	CLUBXS8: 4kg CLUBXS10: 4.5kg



A. Channel



1. MIC/LINE CHANNEL (CH1-6)

Balanced XLR input connector (1: ground; 2: hot; 3: cold). CLUBXS8 is designed with 4 low noise mic pre-amp (CLUBXS10 has 6) and phantom power, 45dB gain and >100 dB S/N ratio. The phantom power is used for condenser mic. If you use dynamic mic, please turn off phantom power first. These channels are designed with 1/4inch TRS bal/unbal line in connectors to connect with keyboard, electric drum, DSP, etc.

2. Gain control

It adjusts input signal level to balance the S/N ratio and dynamic range. To get best effect, adjust this knob: make PEAK LED flashes sometimes to avoid channel distortion.

Mic input gain range: -16~-60dB, line in gainrange: +10~-34.

3. COMP:

It adjusts channel compression. Turn clockwise to increase compression ratio and gain will adjust automatically.

4. HPF

It turns on/off the HPF with 18 dB octave to activate 80 Hz LF filter. You can also use it to reduce mains hum noise or stage mic noise.

5. EQ control

Hi: when you set it to max, 12 KHZ frequency level boosts +15dB. To min, and the 12 kHz frequency level cuts -15dB.

MID: when you set it to max, 2.5 KHZ frequency level boosts +15dB. To min, and the 2.5 kHz frequency level cuts -15dB.

LOW: when you set it to max, 4.5KHZ frequency level boosts +15dB. To min, and the 4.5 kHz frequency level cuts -15dB

6. AUX-DSP

These two knobs are used to the level of signal sent to AUX-DSP BUS, and then to external DSP, or to built-in DSP module. DSP knob can also adjust channel level.

7. PAN

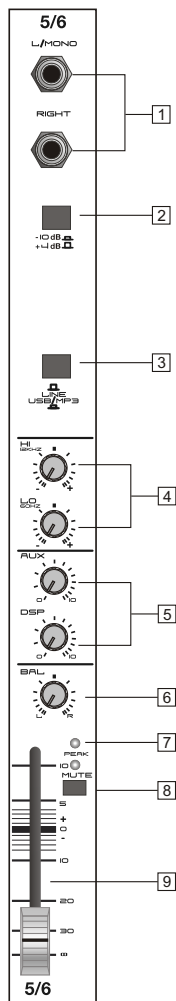
Set it to middle position, then sound image will be in the middle of the stage. It can also adjust the left/right output signal.

8. PEAK LED

When signal reaches the level of clipping level deducted 3dB, PEAK LED lights up red.

9. MUTE & LED

Each channel is designed with MUTE button. Press it to mute the channel. The mute LED lights up.



10. FADER

It adjusts the level of channel signal which is sent to main mix out.
Note: set the unused faders to minimum position.

Stereo channel

1. Stereo channel input

Unbalanced connectors. If signal input from LEFT/MONO, the signal outputs from L/R main mix outputs. If signal inputs from RIGHT connector, signal outputs from R main mix output. This connector can be connected with keyboard, electric drum, DSP, etc.

2. -10/+4 sensitivity switch

Press this switch, this sensitivity will be 10dB higher.

3. LINE/USB/MP3 selection switch

Release for stereo line input. Press for USB/MP3/bluetooth input.

4. EQ control

Hi: set to maximum position, and 12 KHz frequency level boosts +15dB. Set to minimum position, and 12 kHz frequency level cuts -15dB.
Low: set to maximum position, and 60 KHz frequency level boosts +15dB. Set to minimum position, and 60 kHz frequency level cuts -15dB.

5. AUX-DSP

These two knobs are used to the level of signal sent to AUX-DSP BUS, and then to external DSP, or to built-in DSP module. DSP knob can also adjust channel level.

6. PAN

Set it to middle position, then sound image will be in the middle of the stage. It can also adjust the left/right output signal.

7. PEAK LED

When signal reaches the level of clipping level deducted 3dB, PEAK LED lights up red.

8. MUTE BUTTON & MUTE LED

Each channel is designed with MUTE button. Press it to mute the channel. The mute LED lights up.

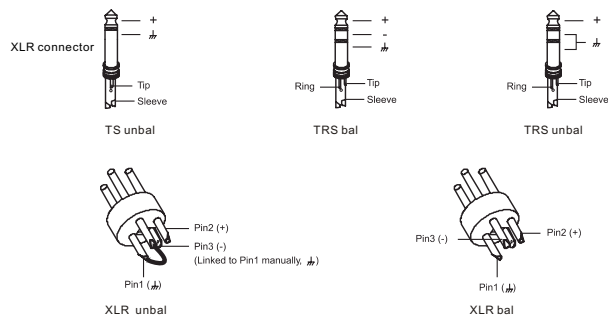
9. FADER

It adjusts the channel level.

Note: set the faders of unused channels to minimum position to reduce noise.

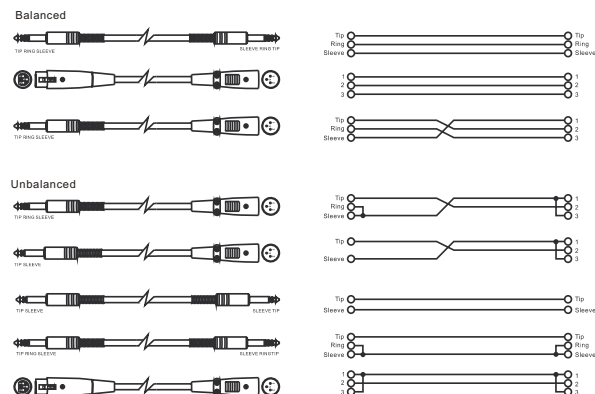
Bal/unbal mode of TRS/XLR connectors

1/4 " TRS or XLR connector bal/unbal modes; please refer to below:
1/4 " connector



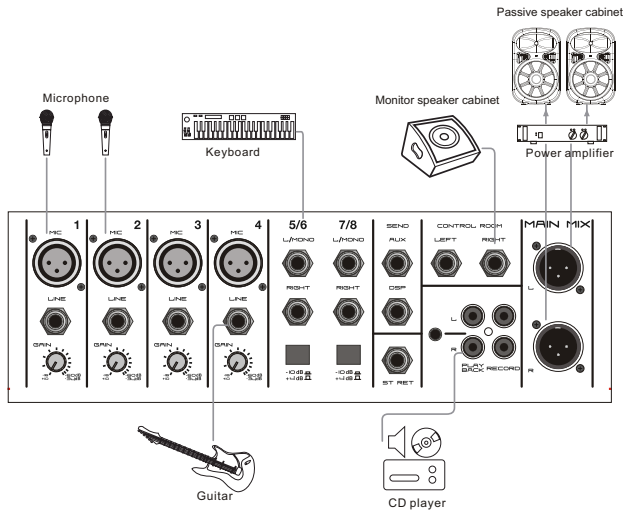
Connection

The supplied 1/4 " TRS and XLR connector to connect with pro audio equipments; please refer to below:

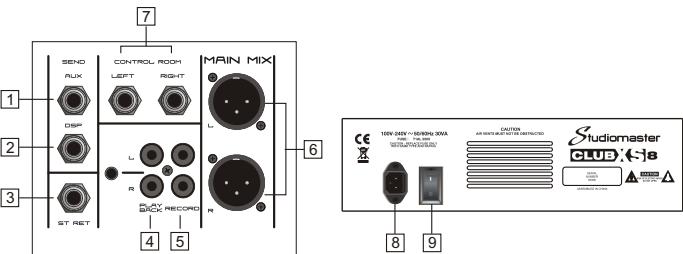


Installation

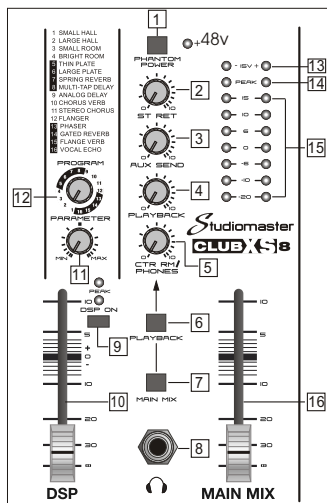
- 1. There should be no obstacles before the speaker cabinet. You had better put the speaker cabinet on a speaker stand.
- 2. Use professional devices to suspend or install the speaker cabinets to avoid hurt.
- 3. Use high quality cable to ensure the best tone.
- 4. Please match the right power and impedance of power amplifier and speaker cabinet.
- 5. Do not point the microphone to the speaker cabinet to avoid feedback.



OUTPUT AND REAR PANEL



- 1. AUX SENDS**
1/4" phone jacks to send signal from AUXBUS to external equipments, e.g. Effect equipment or stage monitor, etc;
- 2. DSP output**
1/4" phone jack to output DSP signal and the level is controlled by channel DSP.
- 3. AUX RETURNS input**
Stereo 1/4" phone jacks to return effect equipment stereo signal to Main Mix. Or you can Use AUX RETURN knob to adjust volume. The input AUX signal will be sent to MAIN MIX.
- 4. PLAYBACK**
Unbal RCA and 3.5 connectors to input signal from CD player/computer, etc;
- 5. RECORD**
Unbal RCA connector to output signal to recording equipment.
- 6. MAIN MIX output**
Bal XLR connector. The level is adjusted by Main Mix fader.
- 7. CTRL ROOM output**
1/4" phone jacks send Control Room signal to monitor speaker cabinet.
- 8. POWER socket**
It is designed with fuse to connect with mains. Please replace the fuse with the same type and rating.
- 9. POWER switch**
It turns on/off the mixer.



11. PARAMETER
It adjusts the delay time.

12. PROGRAM

Prg#	Description	Parameter 1
1	Small Hall	Rev Time 0.9sec~3.5sec
2	Large Hall	Rev Time 1.5sec~8.6sec
3	Small Room	Rev Time 0.28sec~0.82sec
4	Bright Room	Rev Time 0.36sec~1.38sec
5	Thin Plate	Rev Time 0.44sec~1.54sec
6	Large Plate	Rev Time 0.72sec~10sec
7	Spring Reverb	Rev Time 0.4sec~2.3sec
8	Multi-tap Delay	Delay Time 0~680ms
9	Analog Delay	Delay Time 0~680ms
10	Chorus Verb	Rev Time 0.56sec~3.5sec
11	STEREO CHORUS	Rate 0.58Hz~6Hz
12	Flanger	Rate 0.58Hz~4.35Hz
13	Phaser	Rate 0.58Hz~11Hz
14	Gated Reverb	Gate Time 0.25sec~0.78sec
15	Flange Verb	Rev Time 0.34sec~2sec
16	Vocal Echo	Delay Time 0~400ms

13. POWER LED

14. PEAK LED

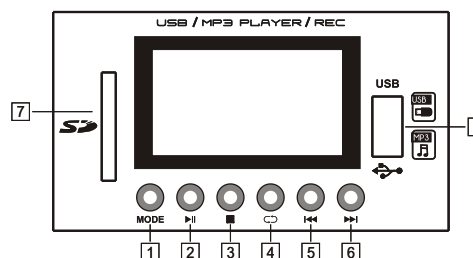
15. MAIN OUTPUT LEVEL LED

16. MAIN MIX fader

It adjusts the MAIN MIX output level.

- 1. +48V phantom power switch/red when on**
It is used for condenser mic operation. Please set all faders to minimum before turning on the switch to protect speaker cabinets.
- 2. Stereo return**
It adjusts stereo return signal level.
- 3. AUX send**
It adjusts aux send level.
- 4. PLAYBACK**
It adjusts the playback signal level.
- 5. CTRLMP PHONES**
It adjusts the phone signal level.
- 6. PLAYBACK switch**
Press the switch to send signal to monitor and phones.
- 7. MAIN MIX switch**
Press the switch to send MAIN signal to monitor and phones.
- 8. Phone output**
This connector send signal to phones.
- 9. DSP ON switch**
Press this switch to start DSP operation and LED lights up green.
- 10. DSP fader**
It adjusts the DSP signal level.

SD/USB/BLUETOOTH



1. MODE

Press this button to select mode: SD card, USB, bluetooth, recording.

a) SD/USB mode: insert SD card/USB to play music directly.

b) Bluetooth mode: press the button to select bluetooth, then match the bluetooth, then play music.

c) Recording mode: press the button to select recording mode. Input signal from mic or line, then press play button to record.

The LCD displays recording symbol flashing.

2. Play/pause button

3. Stop button

4. Repeat button

5. Previous button

6. Next button

7. Sd card input connector

8. USB input connector