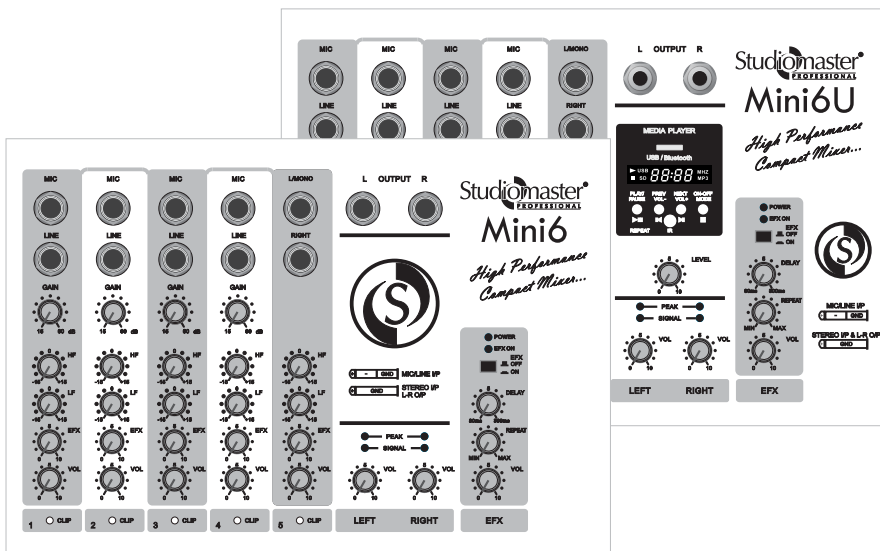


Studiomaster[®]

PROFESSIONAL

MINI 6 / MINI 6U



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1. Introduction

Thank you for buying the Studiomaster Professional MINI series Mixer. To ensure maximum performance and safety, please follow this instruction manual carefully. Please retain this manual for future reference. For any complaint, feedback or testimonials please contact our distributor/dealer. Retain the cartons for future use should the product require servicing/maintenance.

2. Features at a Glance

- Gain control with 2band EQ per channel.
- Built-in echo/delay processor with unique e- delay.
- MP3 music player with USB & Bluetooth.
- Clip LED indication per channel.
- Signal & clip LED indication for master level.
- 1/4 TS Unbalanced L/R main output.

3. Input Section

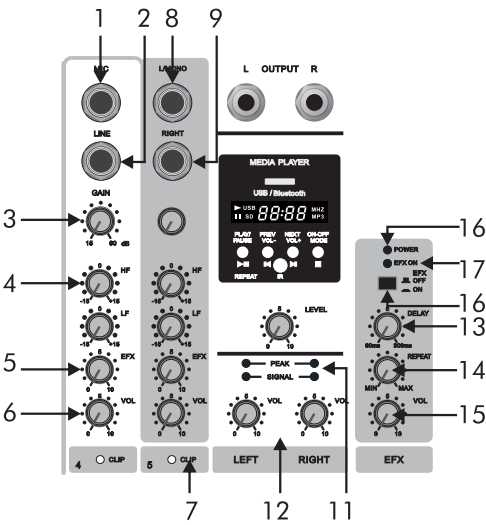
The input sections of the MINI series mixer have two connectors for 1/4" MIC & Jack inputs.⚠ Please do not use both the inputs at the same time. Doing this may permanently damage the mixer.

- 1. MIC Inputs: This electrically balanced jack input (1/4" stereo (TRS) jack) is designed to accept low impedance balanced signals from microphones.
 - 2. Line Inputs: The line input will accept line level balanced signal using 1/4" stereo (TRS) Jack. The line input is designed for instruments like Keyboards, Guitars, Drum Machines & other electronic instruments.
- Note:** Both above jacks can accept unbalanced input also with quasi-balanced cable (pin 2-signal, pin 1 & 3 shorted-GND)

Balanced TRS	
Tip	+ve Phase
Ring	-ve Phase
Sleeve	Ground



- 3. Gain Control: This knob is used to control gains of both MIC & Line input signals.⚠ Please do not operate at high gain levels as this distorts the signal & leads to audio clipping.
- 4. EQ Section: The MINI series has 2 Band Equalizer .The EQ is designed to be easy yet effective to use. It can be used to cut or boost certain frequencies to achieve a particular tone, or to eliminate any unpleasant characteristics.



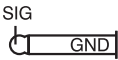
- HF Control: The HF control can be used to cut or boost up to +/- 15dB at 10kHz.
Tip: This frequency band can be used to brighten up high frequencies.
- LF Control: The LF control can be used to cut or boost up to +/- 15dB at 100Hz
Tip: This frequency band can be used to get a punchy bass response.


- 5. **EFX:** This knob is used to control the send level to the built in EFX section.
- 6. **Channel control:** This control is used to set the level going to the master output.
- 7. **Clip LED:** This clip LED glows when the incoming audio signal is clipping. Please reduce gain levels to avoid distortion of clip Led is glowing.
- 8. **Stere*a* i/p:**
 - A. **Stereo INPUT/MONO:** It is Unbalanced 1/4" Mono jack input suitable for high impedance sources. This input may also be used as mono line input by plugging into the left/mono socket only.
 - B. **RIGHT:** It is same as for left channel above except input fed to this channel is routed to right channel only.

4. Output Section

- 9. **Master (L/R) Output:** This output is used to connect the master output of the mixer to the amplifier or powered speakers using 1/4"TS Unbalanced jack connector. The output level is determined by the master control. Wiring configuration is as follows :

Un-Balanced TRS	
Tip	Signal +ve Phase
Sleeve	Ground



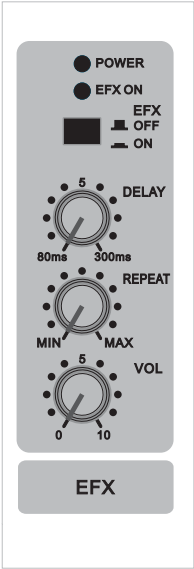
- 10. **Power LED:** This Blue LED Indicates that unit is powered ON.
- 11. **Signal/Peak LED:** Signal LED(green) glows when output is below clip level. Clip LED glows when the output signal is clipping.  **Please reduce avoid distortion clip led is glowing. levels to reduce clipping.**
- 12. **Master (L/R) Control :** The Left & Right Control are the master output level control. They determine the level of all signals going to output connector.

5. Effects Section

- 13. **Delay Time Control:** This control adjusts the delay time. Turning the knob clock wise, will make the delay time longer.
- 14. **Repeat Control:** This control adjusts the feedback amount [the number of repetition for the delay sound (echo)]. Turning the knob clock wise increases the number of repetition.

As you turn up the repeat knob clock wise, oscillations may occur. If this happens, turn the knob down until the oscillation stops.

- 15. **EFX Level Control:** To Control the output level of Effect signal.
- 16. **Effect ON/OFF Switch:** To switch ON/OFF the Effects.
- 17. **EFX ON LED :** This LED glass when EFX is selected.



6. Media Player Section

18. **USB Input** : USB input channel.

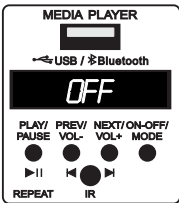
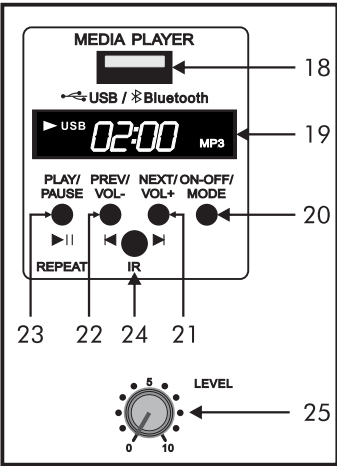
Terms of use : Studiomaster Professional respects intellectual property rights and we request our users to do the same. Please use Mp3 downloads only for program which you have legally purchased.

PLEASE DO NOT USE PIRATED MUSIC OR PROGRAM.

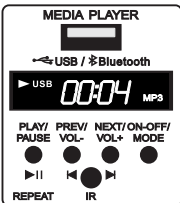
19. **Display**: The seven segment display is provided to visualize all media player operation.

20. **On-Off/Mode Selection**:

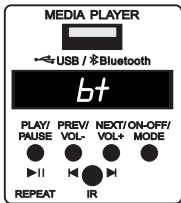
- Long press to switch On/Off the media player.
- USB is default mode.
- Single pressing will switch USB and Bluetooth mode (BT).



Media Player Off



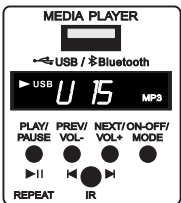
Media Player On/
USB Mode



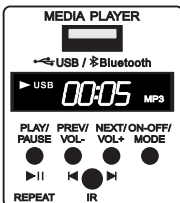
Bluetooth Mode

21. **Next/Vol+:**

- Single press this switch to go next track.
- Long press will increase volume of media player.



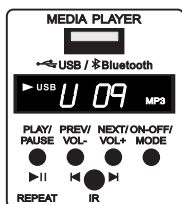
Volume +



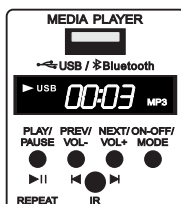
Next Track

22. **Prev./Vol-:**

- Single pressing the switch will go to previous track.
- Long pressing the switch decrease the volume of media player.



Volume -



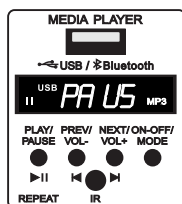
Previous Track

23. **Play/Pause/Repeat:**

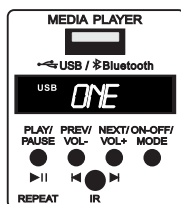
- Single press will switch media player between play and pause state.
- Long pressing this switch will change repeat selection from single track to all track.



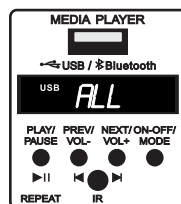
Play Mode



Pause Mode



Single Track Repeat



All Track Repeat

24. **IR Sensor:** The IR sensor is provided for remote operation.

25. **Gain Control:** This knob is used to adjust media player.

Remote Features:

26. **Mute:** Press the switch to mute the audio track.

27. **EQ:** Press the switch to select below effects to the audio track.

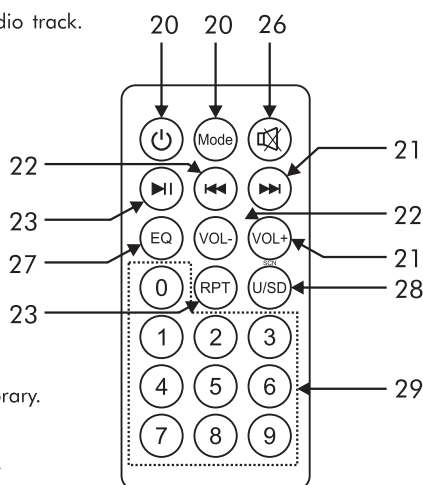
- Jazz (JAZ)
- Pop (POP)
- Classic (CLA)
- Rock (rOC)
- Normal (Nor)
- Cut (Cut) - Bypass low frequencies

28. **U/SD:** Not Active.

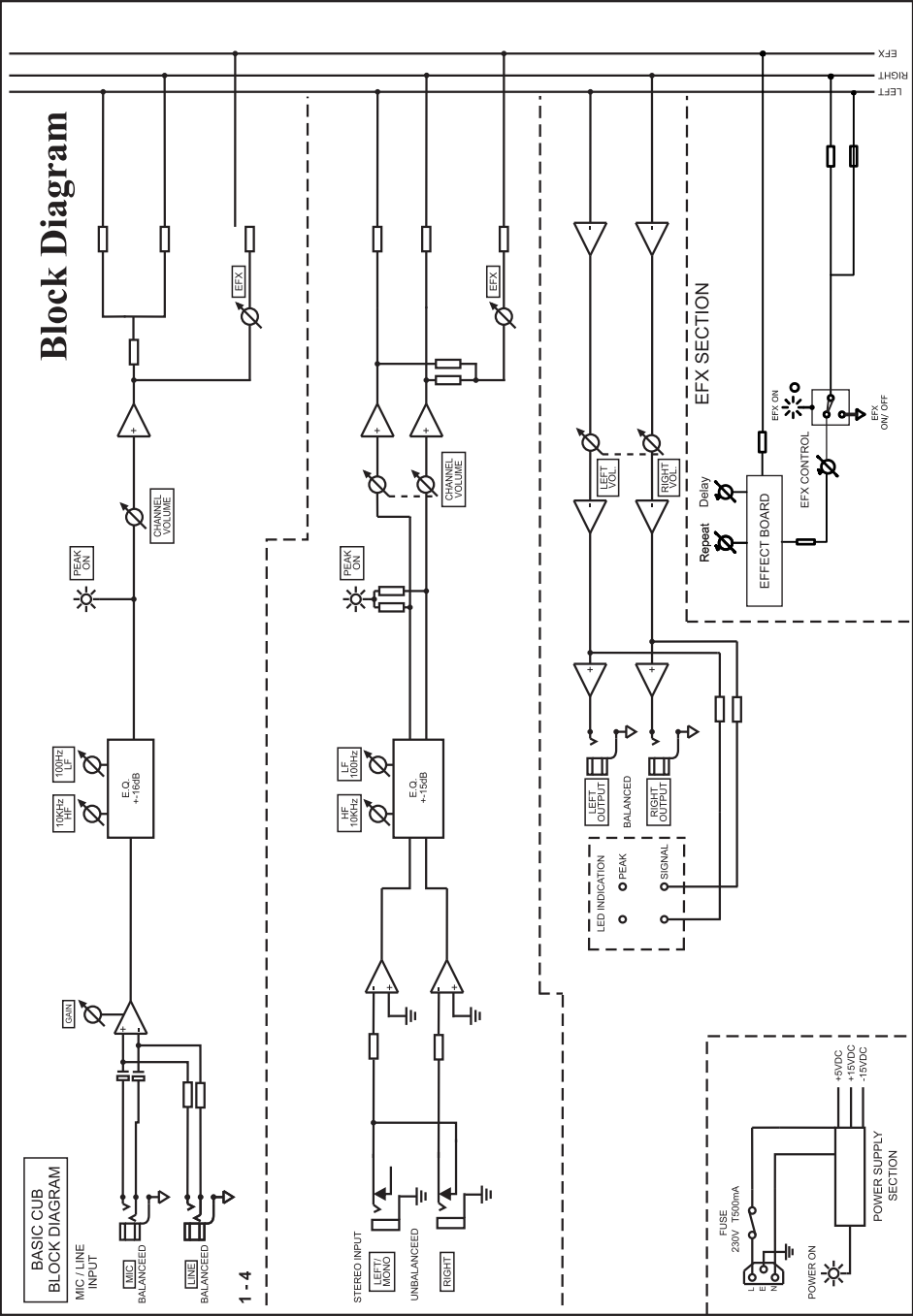
29. **0-9:** Press switches to directly play track within the library.

Note: Remote control range is about it 6-8 meters insight

(Please insure that the remote batteries are fully charged).



7. Block Diagram



8. Technical Specifications

Maximum Gain	
Mic Input	48dB
Line Input	48dB
Stereo Input	30dB
T.E.I.N	
Mic Input (150Ω Source)	-128dBm (DIN AUDIO)
Line Input (40Ω Source)	-98.5dBm (DIN AUDIO)
Signal/Noise Ratio	-64dB
Clip Indication	-4dB prior to true clip.
Equalisation	
Treble	±15dB @ 10kHz
Bass	±15dB @ 100Hz
Left/Right Outputs Unbalance	
Nominal Level	0dBu (0.775 VRMS)
Maximum Level (1kHz/600Ω Load)	+15dBu (4.35 VRMS)
Frequency Response	25Hz to 19KHz (+0/-1 dB)
Impedances	
Mic Input	Typically 5KΩ
Line Input	20KΩ (Balanced) / 10KΩ (Unbalanced)
L/R Outputs	Less than 50Ω

Model	AC Mains	Fuses	Dimensions (L X W X H in mm)	Weight (Net)
Mini 6	150-240V	T500mA 250V	264 X 180 X 57	1.7 kg
Mini 6U				

9. Product Care Instructions

- Do not drop the mixer; this could severely damage the products.
- Please keep this product away from direct sunshine & rain.
- Please keep this product away from heavy magnetic or electromagnetic fields, it could affect the product performance.
- Please disconnect from power supply when the product is not being used for a long time.
- Do not open any of the components yourself, for repairs please get in touch with your Studiomaster dealer.
- It is recommended to place product in flight case while transportation.

Range of Studiomaster Professional Products.

Wired Microphones

SM 100XLR
TRIO 100
SM 200XLR
TRIO 200
SM 300I
SM 400XLR
SM 450XLR
SM 500XLR
SM 600XLR
SM 650XLR
SM 800C
SM 900C
SBM 10
Flex 3
Flex 4

Wireless Microphones

BR 28 Series
BR 48 Series
ER 11 Series
ER 31 Series
ER 58 Series
TR 47 Series
XR 20 Series
XR 40 Series
XR 80 Series
XR 100 Series

Conference System

Vāk 10 System
Vāk 10d / Vāk 10c
Vāk 20
Vāk 30
Vāk 30d / Vāk 30c

Crossovers

SX-2
SX-321
SX-341
SX-521

Processors

SEQ 152
SEQ 302F
SEQ 312 / SEQ 341
Multi 3 / Multi 6
SFX 8
SPS 8
SDX 4
Phantom 11

Mixers

~ Mini Series

Mini 6

Mini 6U

~ Air Series

AiR 2
AiR 4
AiR 6
AiR 8
AiR 12
AiR 16
AiR 2U
AiR 4U
AiR 6U
AiR 8U
AiR 12U
AiR 16U

Mixers

AiR Pro 18
AiR Pro 24
AiR Pro 28
AiR Pro 36

~ Air X Series

AiR X 10
AiR X 14
AiR X 18

~ AQUA Series

Aqua 6
Aqua 8
Aqua 10
Aqua 14

~ Digital Mixer

D. Mix 20

~ Diamond Club Series

Diamond Club 6.2
Diamond Club 8.2
Diamond Club 8.2 EFX
Diamond Club 12.2
Diamond Club 12.2EFX
Diamond Club 12.2UX
Diamond Club 16.2
Diamond Club 16.2EFX

~ Diamond Supreme Series

Diamond Supreme 12
Diamond Supreme 12U
Diamond Supreme 16U

~ Club 2000 Series

Club 2000 142
Club 2000 182

~ Platinum Series

Platinum 16Fx

~ Diamond Pro-3 Series

Pro-3 12.3
Pro-3 16.3

~ DJ Mixers

DJX 300
DJX 325
Playmix 300
DJX 825
DJX 925
DJX 975

Amplifiers

~ P - Series

PA 1.5
PA 2.0
PA 3.0
PA 4.5
PA 6.0
PA 7.5

~ DPA Series

DPA 2000
DPA 3200
DPA 4500
DPA 5000

~ DJA Series

DJA 100
DJA 500
DJA 800
DJA 1600
DJA 2500
DJA 3200
DJA 4000
DJA 5000

XJA 2600

~ Arena Series

Arena 20
Arena 30

~ Industrial Amplifier

ARC 120A
ARC 240A
ARC 120UB
ARC 240UB

Speaker Component

~ S-Series

SWF 18120
SWF 18100
SWF 1880
SWF 1560
SMB 1565
SMB 1545
SMB 1530
SMB 1250
SMB 1230
SMB 1220
SHF 0104
SHF 0106
SHF 0210

~ E-Series

EMB 1225
EMB 1530
EMB 1535

~ TITAN Series

TWF 2115
TWF 1815
TWF 1811
TWF 1810
TWF 1580
TMB 1555
TMB 1535
THF 0208

~ FURY Series

F18.120
F15.70
F15.40
F15.50X
F15.40X
F12.30X

Passive Speakers

~ S-Series

S5225
S8018
S8118
S8128
S8028

~ Fire Series

Fire 21/ Fire 51
Fire 51A
Fire 55

Passive Speakers

~ Fire Series

Fire 57
Fire 82
Fire 84

~ XVP Series

XVP 1540
XVP 1540M
XVP 1560
XVP 2550
XVP 2585MK2
XVP 25A6
XVP 1808
XVP 1810
XVP 2820

~ ELAN Series

ELAN 155
ELAN 181

EKS 151

Q 400

~ ARIA Series

Aria 8
Aria 12
Aria 15

Powered Speaker

~ A Series

A 400
A 500

H 400

H 510

~ B Series

B 200
B 400
B 410

~ OP Series

OP 415
OP 515

~ SUB Series

12SUB
15SUB

Line Array System

FIRE 92
SLA-40 T
SLA-40 Kit
SLA 30
S 9022

Stabilizers

SVC - S1000
SVC - S2000
SVC - S3000
SVC - S5000
SVC - S6000
SVC - S8000
SVC - S10000
SVC - S12000

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