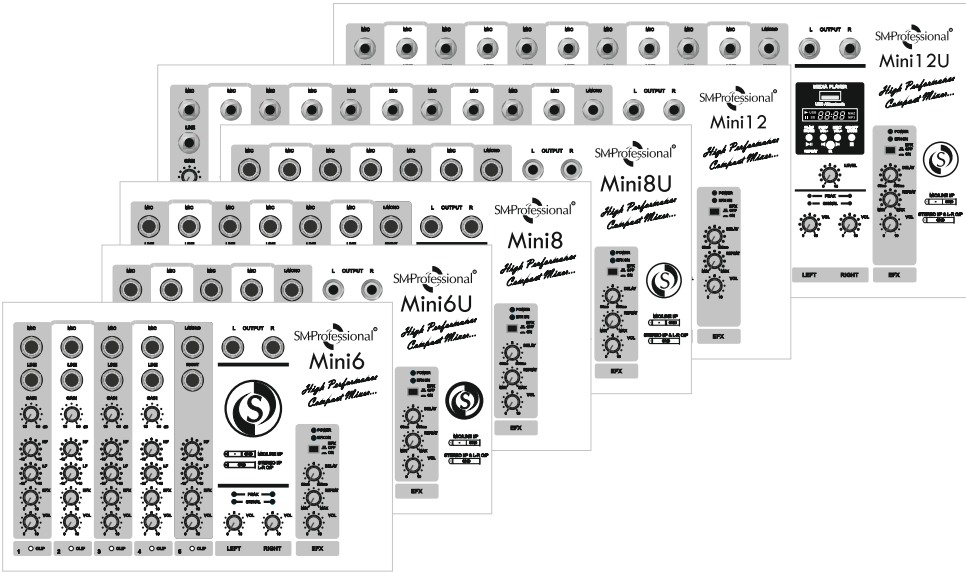




MINI SERIES

MINI 6, 6U, 8, 8U, 12 and 12U



Index:

1.....	Introduction
2.....	Features at a Glance
3.....	Input Section
4.....	Output Section
5.....	Effect section
6.....	USB Media player Section
7.....	Block Diagram
8.....	Technical Specifications
9.....	Product Care Instruction

1. Introduction

Thank you for buying the SMProfessional 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 2-band (MINI 6, 6U, 8 and 8U) and 3-band (MINI 12 and 12U) EQ per channel.
- MP3 music player with USB & Bluetooth.
- Signal and clip LED indication for master level.
- Built-in echo/delay processor with unique e- delay.
- Clip LED indication per channel.
- 1/4" TS Unbalanced L/R main output.

Models Available:

- Mini6** : 4 Mic /Line + 1 Stereo channel
- Mini6U** : 4 Mic /Line + 1 Stereo channel + 1 Media Player
- Mini8** : 6 Mic /Line + 1 Stereo channel
- Mini8U** : 6 Mic /Line + 1 Stereo channel + 1 Media Player
- Mini12** : 10 Mic /Line + 1 Stereo channel
- Mini12U** : 10 Mic /Line + 1 Stereo channel + 1 Media Player

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.

- MIC Inputs:** This electrically balanced jack input (1/4" stereo (TRS) jack) is designed to accept low impedance balanced signals from microphones.
- 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.

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

Note: Both above jacks can accept unbalanced input also with quasi-balanced cable (pin 2-signal, pin 1 & 3 shorted-GND)

Tip	Ring	Sleeve
+	-	GND

- 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.

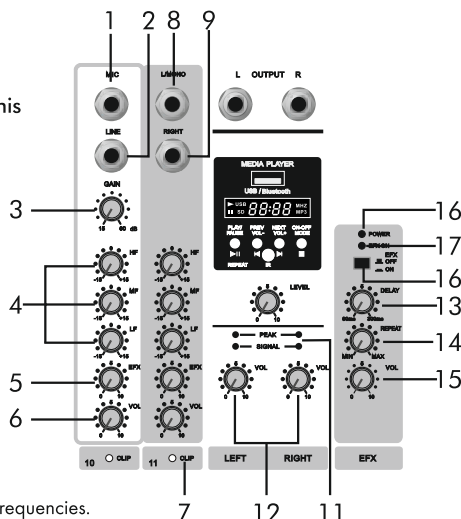
- EQ Section:** The MINI series has a 2-band equalizer on the MINI 6, 6U, 8 and 8U and a 3-band equalizer on the MINI 12 and 12U.

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 $\pm 15\text{dB}$ at 10kHz.

Tip: This frequency band can be used to brighten up high frequencies.



- **MF Control:** The MF control can be used to cut or boost up to $\pm 15\text{dB}$ at 2.5kHz .
Tip: This frequency band can be used to enhance presence in vocals.
 - **LF Control:** The LF control can be used to cut or boost up to $\pm 15\text{dB}$ 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. **Stereo Input:**
- A. **LEFT/MONO:** It is Unbalanced $\frac{1}{4}"$ 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.

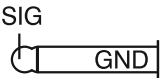
4. Output Section

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

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 gain level till the Clip LED start glowing to avoid distortion and signal clipping.

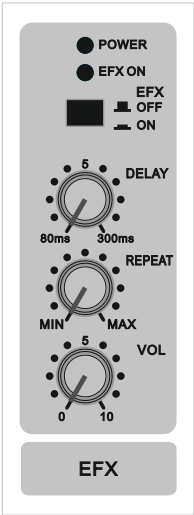
12. **Master (L/R) Control:** The Left & Right Control are the master output level control. They determine the level of all signals going to output connector.

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.

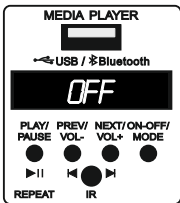
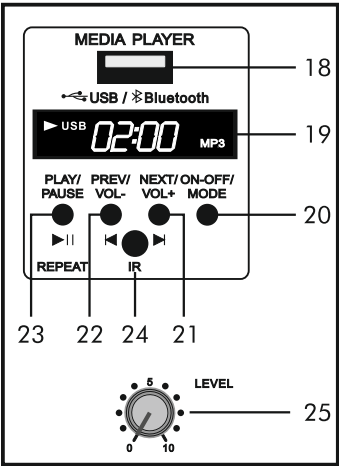
Terms of use: SMProfessional respects intellectual property rights and we request our users to do the same. Please use MP3 downloads only for program which you have legally purchased.

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:**

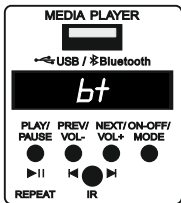
- Long press to switch On/Off the media player.
- USB is default mode.
- Single pressing will switch USB and Bluetooth mode (BT).



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:**

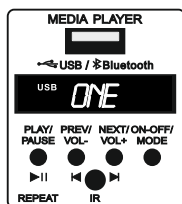
- Single press will switch media player between play and pause state.
- Long pressing this switch will change repeat selection from single track to all track.



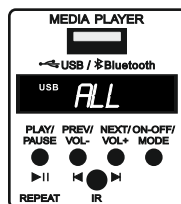
Play Mode



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.

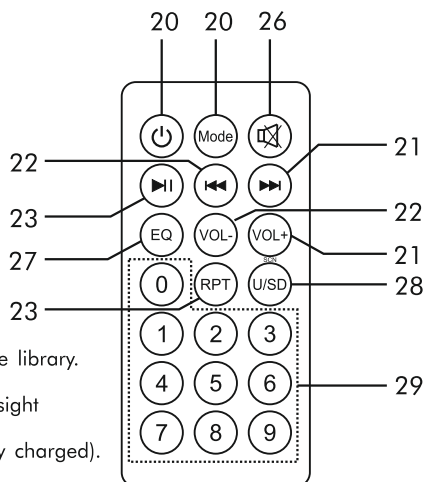
- Jazz (JAZ)
- Pop (POP)
- Classic (CLA)
- Rock (rOC)
- Normal (Nor)
- Cut (Cut) - Bypass low frequencies

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

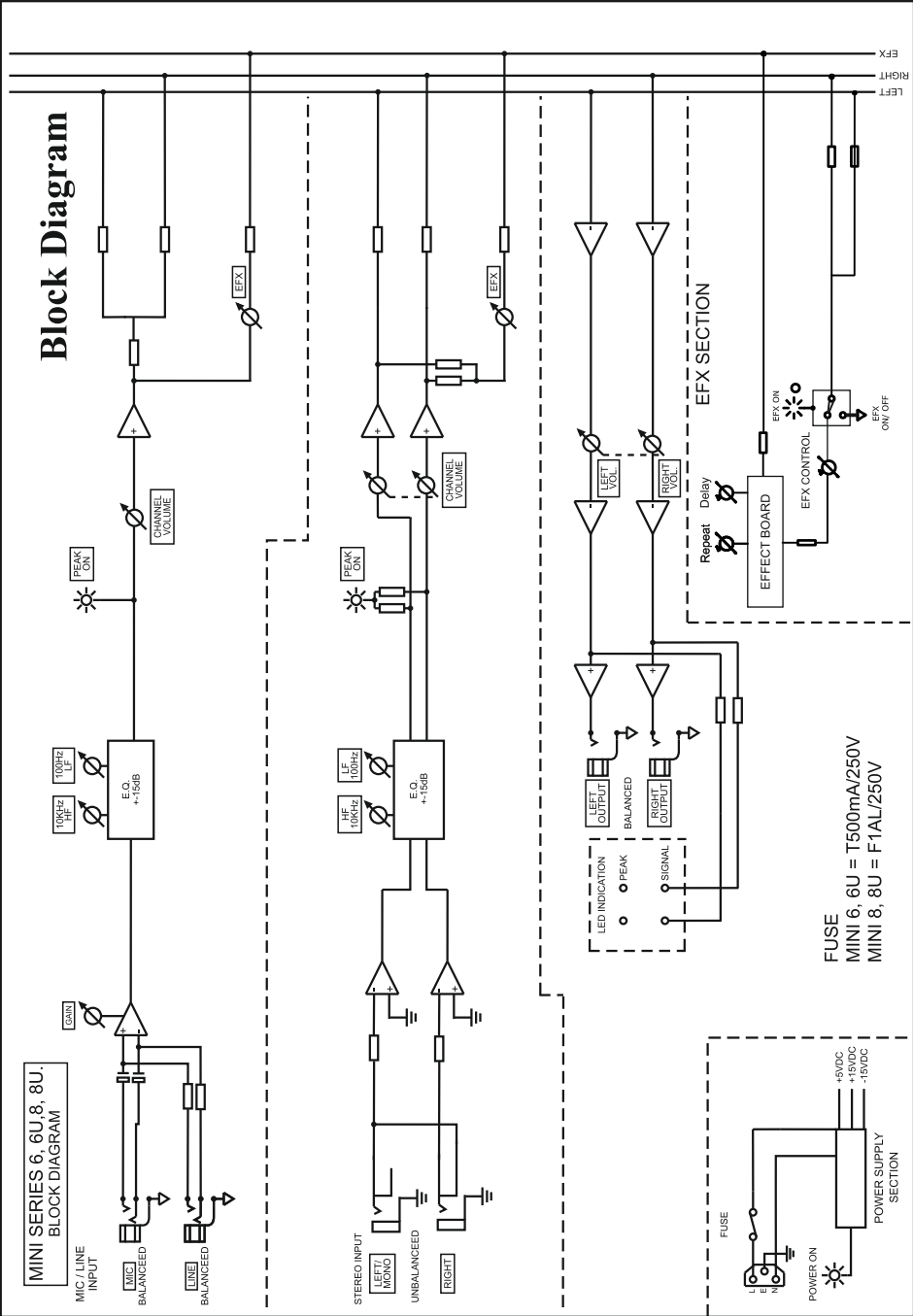
29. **0-9:** Press switches to directly play track within the library.

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

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

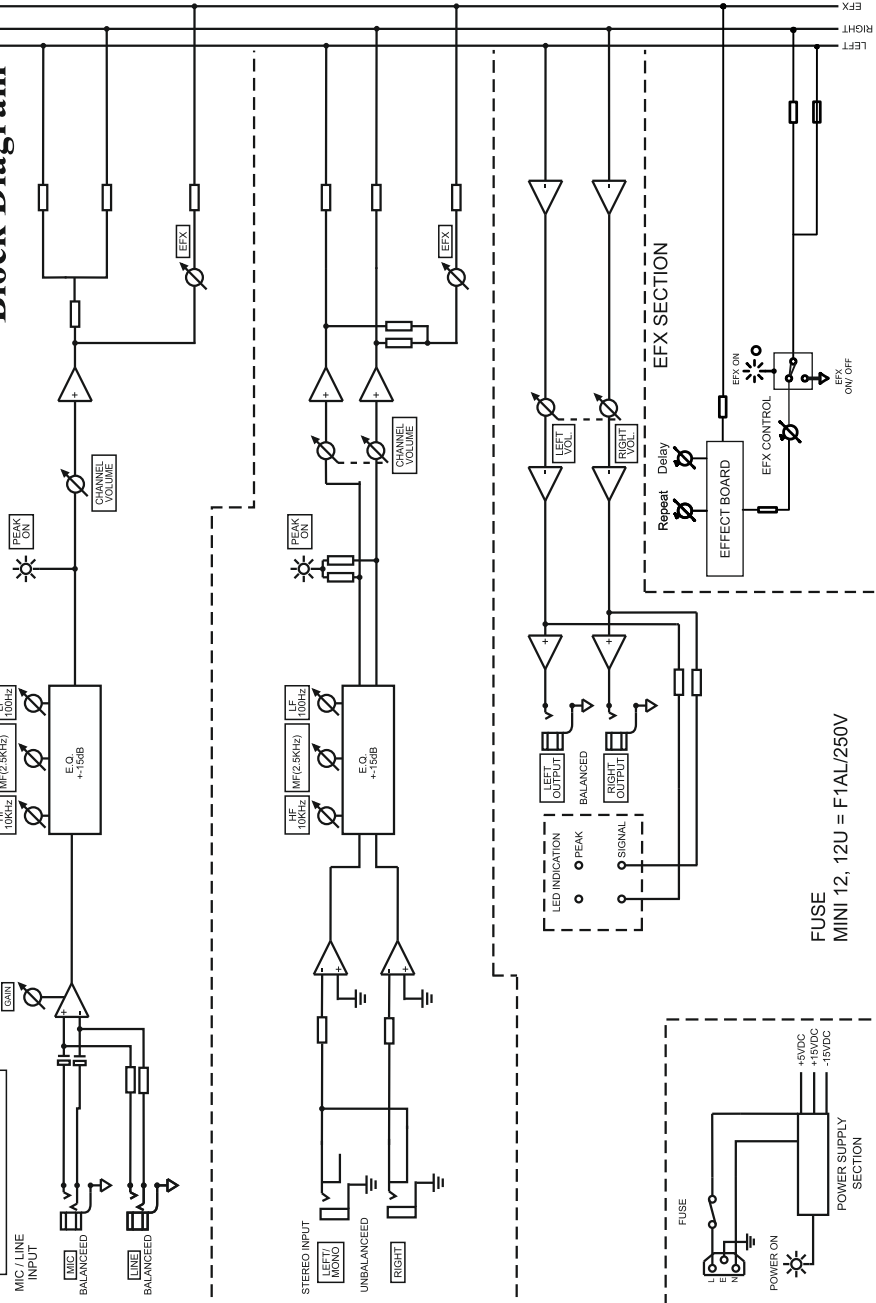


7. Block Diagram



MINI SERIES 12, 12U. BLOCK DIAGRAM

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
Mid	±15dB @ 2.5kHz
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 (W x D x H) mm	Net Weight (Kg)
Mini 6	150-240V	T500mA 250V	264 x 180 x 57	1.7
Mini 6U				
Mini 8				
Mini 8U	150-240V	F1AL/250V	320 x 180 x 57	1.94
Mini 12	240V	F1AL/250V	426 x 180 x 57	2.5
Mini 12U				

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.

Studiomaster® SMProfessional®

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