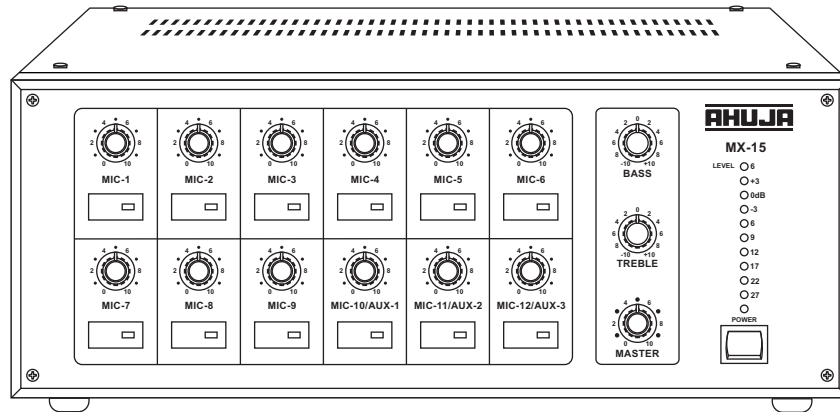


AHUJA[®]**PA AUDIO MIXER PREAMPLIFIER****MX-15****FEATURES**

- AC Mains / 12V DC Car Battery operation. Automatic changeover to battery operation in case of mains failure ensures continuity of program.
- 12 MIC & 3 AUX inputs.
- Mic-1 to Mic-9 inputs with ON / OFF switch and LED indication. MIC-10 to MIC-12 inputs alternate to 3 AUX inputs through MIC / AUX switch & LED indication. AUX-3 is Stereo Input for CD / TAPE Playback.
- Separate Volume Controls for each Mic Input.
- Headphone output for monitoring.
- Active BASS and TREBLE controls provided for shaping tonal quality of music & speech as desired.
- PREOUT, LINE OUTPUTS available.
- 10 LED array calibrated in dB for Output level indication.

SPECIFICATIONS

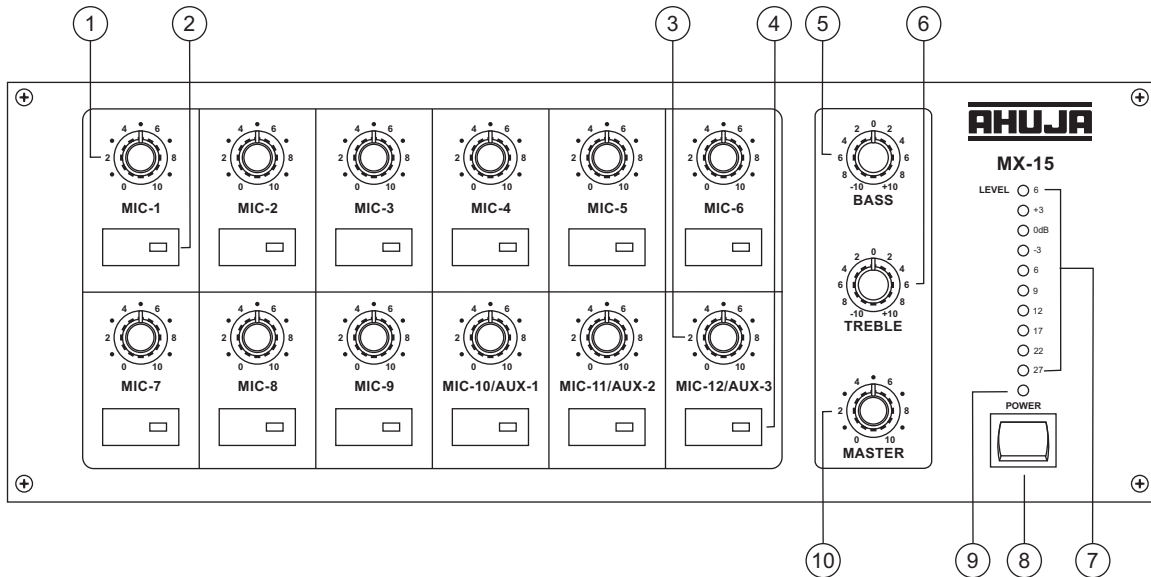
Frequency Response	: 20 - 20,000Hz
Inputs	: 12 × Mic 0.6mV / 4.7kΩ : 2 × Aux 100mV / 470kΩ : 1 × Aux(stereo) 0.5V / 100kΩ
Output	: 2 × Pre out 200mV / 600Ω : 4 × Line out 1V / 1kΩ
Headphones	: 120mV at 8Ω
Tone Controls	: BASS: ±10dB at 100Hz : TREBLE: ±10dB at 10kHz
Distortion	: < 1%
S / N Ratio	: 50dB
Power Supply	: AC - 240V, 50Hz : DC - 12V Car Battery
Dimensions	: W350 x H145 x D200 mm
Weight	: 3.9kg approx.

Owing to continuous product upgradation, design & specifications are subject to change without notice.

Specifications claimed are subject to permissible production tolerances.

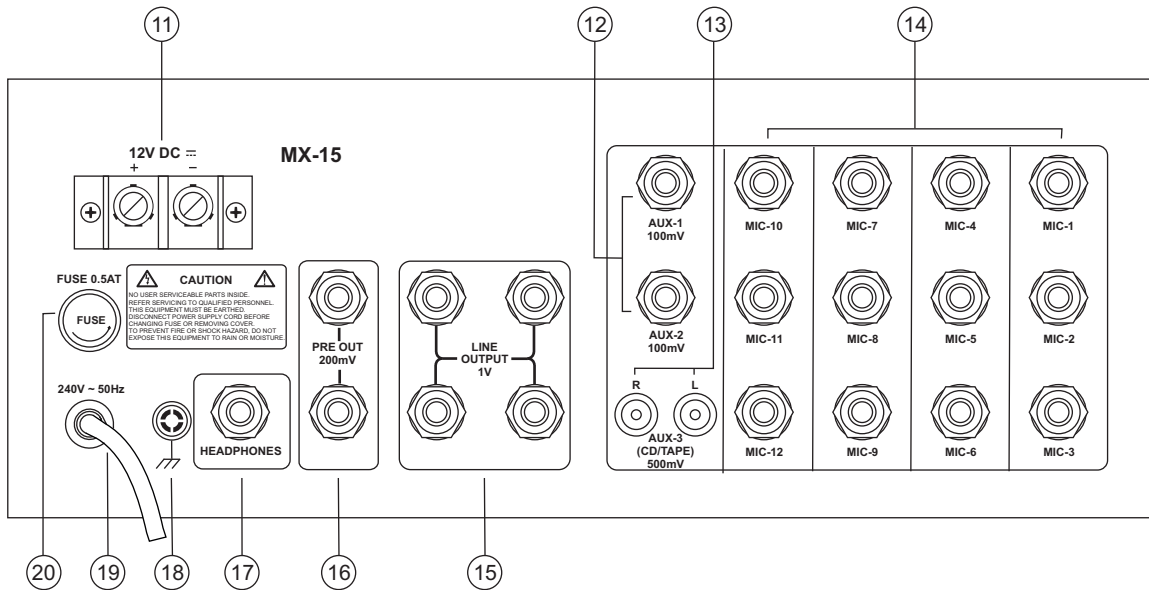
- ♦ Please read this manual thoroughly before making connections and turning on the power. Following the instructions in this manual will enable you to obtain optimum performance from your new AHUJA PA Audio Mixer Preamplifier.
- ♦ Please retain this manual for future reference.

• Front Panel Controls & Features



1. **MIC-1 Volume Control**
Similar volume controls are also provided for MIC-2 to MIC-9 input channels as shown in the diagram above.
2. **MIC-1 ON / OFF Switch with LED indication**
Switch to enable or disable the input channel. Switches with similar functions are also provided for MIC-2 to MIC-9 input channels as shown in the diagram above.
3. **MIC-12 / AUX-3 Volume Control**
Similar volume controls are also provided for MIC-10 / AUX-1 and MIC-11 / AUX-2 as shown in the diagram above.
4. **MIC-12 / AUX-3 Selector Switch with Bi-colour LED indication**
Similar switches with bi-colour LED are also provided for MIC-10 / AUX-1 and MIC-11 / AUX-2 as shown in the diagram above.
5. **BASS Control**
This control boosts or cuts the low frequencies. Musical instruments like Tabla, Drum and percussion instruments respond to boost of low frequencies. When moved from '0' position to 10' position the low frequencies are reduced which help eliminate feedback and howling on mic operation thus allowing opening of higher volume.
6. **TREBLE Control**
This control boosts or cuts the high frequencies. It improves the brilliance of sound for string instruments like Violin, Sarangi, Sitar and to some extent human voice. Too much boost of this control can cause oscillation and distortion of sound.
7. **LED Array**
The 10 LED array calibrated in dB indicates the Line Output Levels.
8. **POWER Switch**
9. **POWER 'ON' LED**
It glows when the set is switched ON.
10. **MASTER Control**
All MIC and AUX input signals are mixable and these mixed signals are finally controlled by the Master Control for overall opening of the volume from the Mixer. For best performance operate master control say at about '6' to '8' position.

• Rear Panel Controls & Features



11. BATTERY Terminal Strip

For uninterrupted operation of the Mixer, a 12V Car Battery is to be connected from this terminal strip in correct polarity. No battery current is consumed when the Mixer is working on AC Mains. Changeover to battery operation is automatic in case of AC Mains failure.

12. AUX-1 & AUX-2 Input Jacks

For connecting AUX input sources such as a cassette player, additional mixer etc.

13. AUX-3 (CD / TAPE) Stereo Input

For connecting higher output level sources such as a CD Player, Stereo Cassette Player, Electronic Keyboard etc.

14. MIC-1 to MIC-12 Input Jacks

These jacks are for connecting Lo-impedance Microphones.

15. LINE Output Jacks (1Volt)

These four jacks are connected in such a way that they do not load each other. This output is for connecting the Mixer to the LINE Input of an amplifier.

16. PRE Output Jacks (200mV)

These two jacks are for connecting to AUX input of any amplifier or of a cassette recorder for recording the program.

17. HEADPHONES Output

Audio output through a ¼" stereo jack for headphone monitoring

18. EARTH Terminal

19. AC Mains Cable

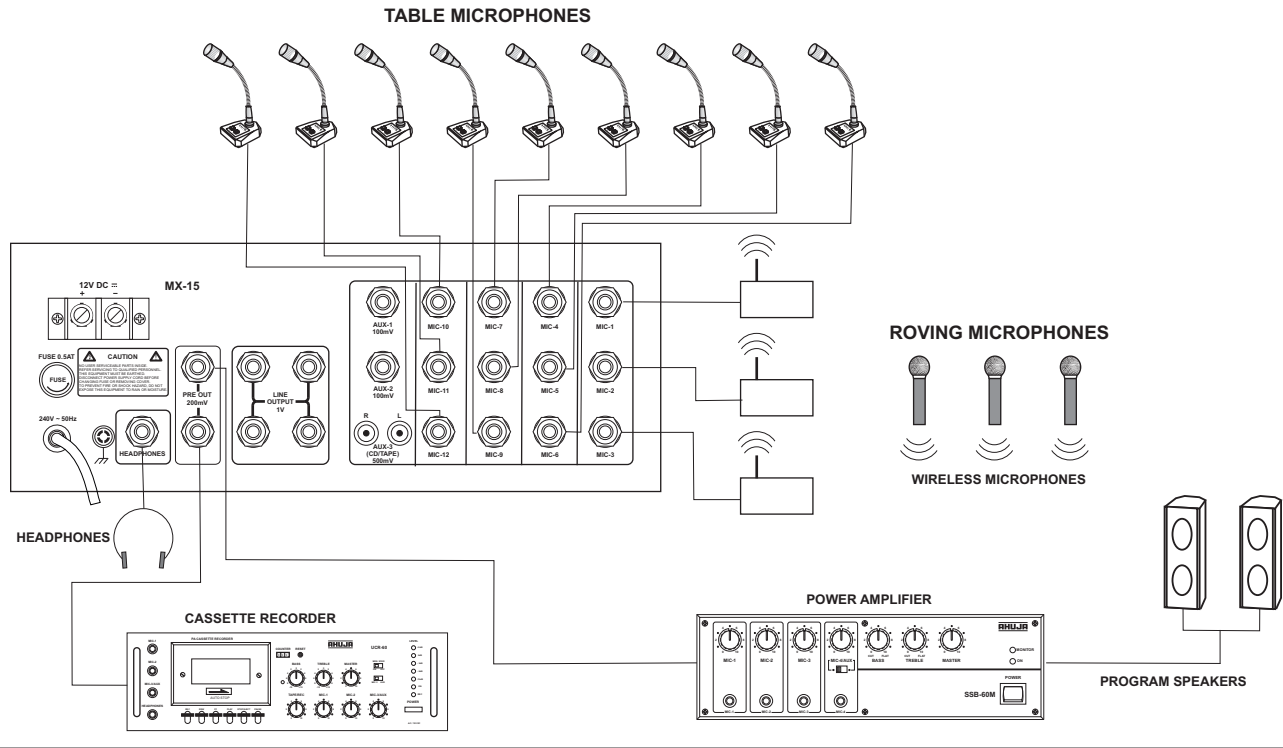
20. AC Fuse

⚠ Caution

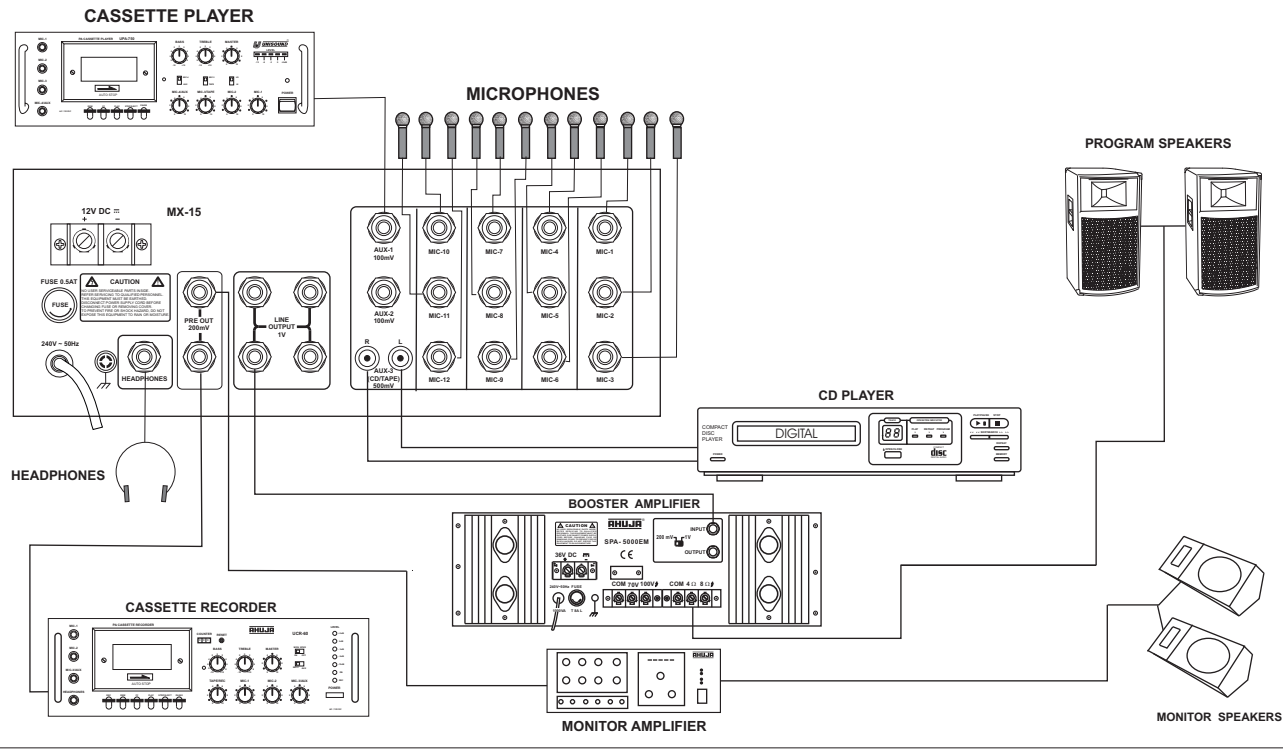
- The equipment must be earthed properly before operating it to avoid electric shock. A wire from the Earth Terminal must be connected to either water pipe or to electrical earth for safe operation.

• Typical Applications....

TYPICAL OPEN CONFERENCE / CONVENTION



TYPICAL MUSICAL PROGRAM



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