



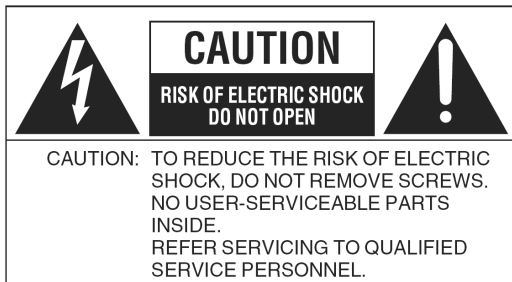
iMIX 1

Mixer preamplifier



User Manual

WARNING:
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.



Important

Do not install this equipment in a confined space such as a book case or similar unit.

The apparatus should not be dripped or splashed and no objects filled with liquids, such as vases, should not be placed on the apparatus.

This unit should not be used near water (e.g. near bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.) Care should be taken so that objects do not fall and liquids are not spilled into enclosure through openings.

Features

- 11 input channels: MIC x 5, AUX x 3, CD, Tuner, and Chime.
- Up to 3 mute priorities: Chime, MIC 1, MIC 2.
- 2 power sources: AC 230/115V 50/60Hz and DC 24V.
- 2-color LED indicator for each input signal. Green is normal input, red is clipping.
- Master volume, Bass, and Treble control for the output.
- Record output
- 1U height
- 19" rack.

Description

iMIX 1 is a versatile and convenient Pre-mixer Amplifier. It accepts 11 input sources covering 5 MIC, 3 AUX, CD, Tuner, and Chime input.

Signal from MIC 1, MIC 2, and Chime will activate mute function, which will mute the signal from other channels. The mute priority is Chime, MIC 1, and MIC 2.

It employs high performance circuit, that makes its S/N ratio is better than 65dB and less than 0.1% of THD.

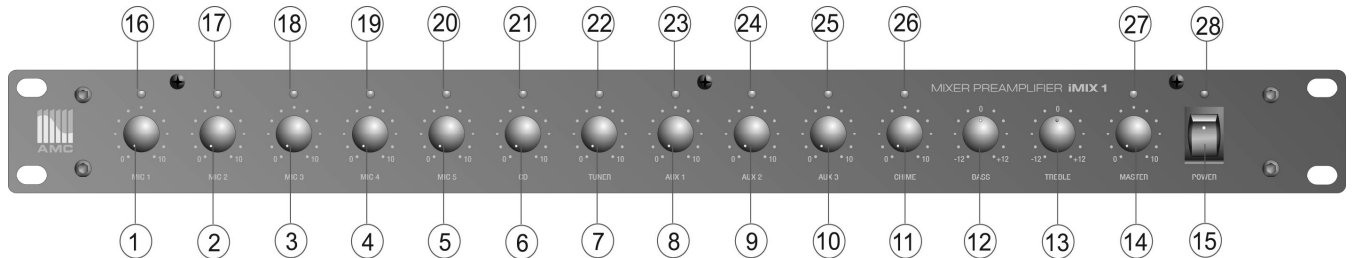
Besides AC power source, iMIX 1 has DC 24V input power screw connector as backup power source.

On the front panel, above each volume control, LED lights green to indicate input signal source; and when the signal is over, it will light red.

iMIX 1 is the ideal and convenient pre-mixer amplifier for multi-input source application.

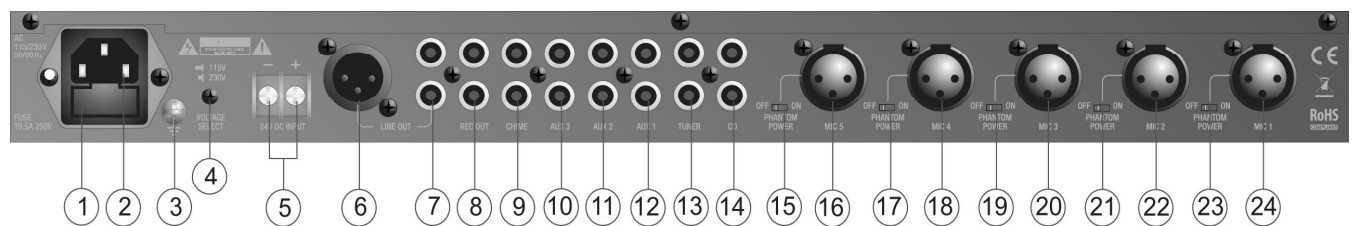
3 Controls and connections

Front Panel



- | | | |
|--------------------------|---------------------------|----------------------------|
| 1. MIC 1 Volume Control | 11. CHIME Volume Control | 21. CD LED Indicator |
| 2. MIC 2 Volume Control | 12. BASS Control | 22. Tuner LED Indicator |
| 3. MIC 3 Volume Control | 13. TREBLE Control | 23. AUX 1 LED Indicator |
| 4. MIC 4 Volume Control | 14. MASTER Volume Control | 24. AUX 2 LED Indicator |
| 5. MIC 5 Volume Control | 15. Power On / Off switch | 25. AUX 3 LED Indicator |
| 6. CD Volume Control | 16. MIC 1 LED Indicator | 26. Chime LED Indicator |
| 7. TUNER Volume Control | 17. MIC 2 LED Indicator | 27. Volume LED Indicator |
| 8. AUX 1 Volume Control | 18. MIC 3 LED Indicator | 28. Power On LED Indicator |
| 9. AUX 2 Volume Control | 19. MIC 4 LED Indicator | |
| 10. AUX 3 Volume Control | 20. MIC 5 LED Indicator | |

Rear Panel



- | | |
|-------------------------------|--------------------------------|
| 1. Mains Power Input Socket | 13. TUNER input |
| 2. Power Fuse (for AC) | 14. CD input |
| 3. Earth Connection Screw | 15. MIC 5 Phantom Power Switch |
| 4. AC Voltage selection screw | 16. MIC 5 input |
| 5. DC Power Supply Terminals | 17. MIC 4 Phantom Power Switch |
| 6. Line Out (XLR) | 18. MIC 4 input |
| 7. Line Out | 19. MIC 3 Phantom Power Switch |
| 8. REC output | 20. MIC 3 input |
| 9. CHIME input | 21. MIC 2 Phantom Power Switch |
| 10. AUX 3 input | 22. MIC 2 input |
| 11. AUX 2 input | 23. MIC 1 Phantom Power Switch |
| 12. AUX 1 input | 24. MIC 1 input |

4 Connections

Power Source

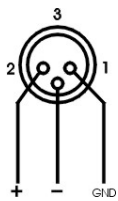
The supply transformer has been designed for use AC 115V/230V(±10%) 60/50 Hz. Use Voltage selection screw switch to select appropriate voltage.

DC power source (24Vdc)

When using external batteries, ground the amplifier via the screw terminal (Electrical stability of the system will be improved by providing a good earth ground.) When connecting batteries, ensure if polarity is correct.

Microphone Connection

Mic1~5 inputs are XLR jack.



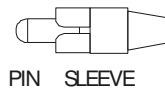
CD, Aux, Tuner, and Chime Connection (Input)

iMIX1 has ability to connect 3 auxiliary inputs, which may be used for connecting signal sources such as a Radio Tuner, CD or Cassette player. The Aux input sockets are standard stereo RCA connectors. The line level Controls on the front panel operate on each input source.

RCA plug connections

Sleeve - Screen

Pin - Signal



Line out & record out connections

Outputs can be connected via XLR and RCA jacks. Choose right type connector to match your equipment connector. Record out provides output for additional recording. Connect it to the input of the recorder.

| | |
|----------------------------------|---|
| Power Source | AC 115V/230V 50/60 Hz, DC 24V |
| Frequency Response | 20Hz ~ 20KHz |
| Total Harmonic Distortion | $\leq 1\%$ @ 1KHZ |
| Input Sensitivity | MIC 1 ~5: 1mV @600 Ω , Balanced (with Phantom power switch) AUX 1 ~3: 150mV @1K Ω ,Unbalanced CD: 150mV @1K Ω , Unbalanced Tuner: 150mV @1K Ω ,Unbalanced Chime: 1 V @10K Ω ,Unbalanced |
| Output Sensitivity | Line Out: 1V @100 Ω , Balanced |
| Record Out: | 1V @100 Ω , Unbalanced |
| Mute Priority | Chime, MIC 1, MIC 2. |
| Tone Control | Bass 100HZ +/- 10 db Treble 10KHZ +/- 10 dB |
| Power Consumption | AC 5W @ Rated Power DC 3 W @ Rated Power |
| Dimension | 44(H) x 483(W) x 185(D) mm |
| Weight | 4 kg |
| Mounting | 19" rack |

