

DESCRIPTION

120 W mixer amplifier. RMS with low impedance exit of 4 to 16 ohms and line of 70V and 100V, for professional audio applications.

The amplifier **AX-120** has asymmetric microphone input, 2 balanced microphone inputs / asymmetric microphone / asymmetric line, 2 auxiliary inputs, 1 emergency input and 1 output signal of 0 dB.

The MIC 2 and MIC 3 inputs (conector XLR) has "phantom" alimentation, specially for the electret microphone.

General volume control and independent volume controls for the microphone and auxiliaries inputs.

Baxandall tone control with independent controls for bass and treble.

Vumeter modulation indicator.

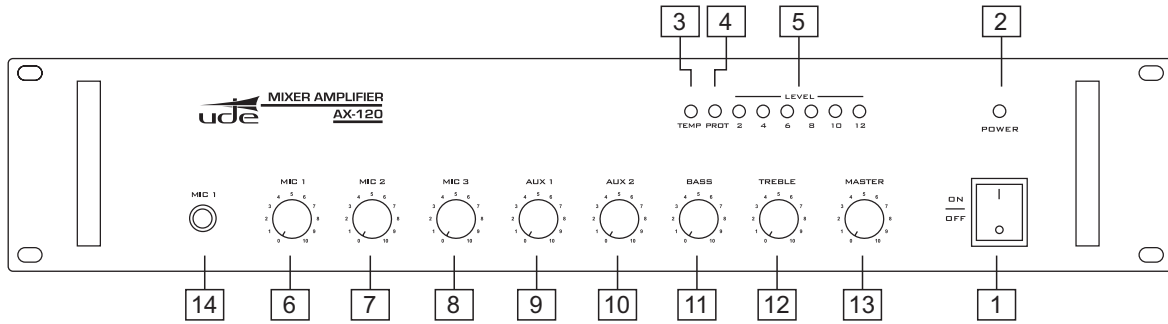
Electronic protection against short circuits and for over temperature.

TECHNICAL CHARACTERISTICS

- Power (RMS):	120 W.	- 1 Micro input symmetric (5 mV / 600 Ω):	MIC 1 (JACK-6 mm.).
- Speakers outputs:	4-16Ω, L70V, L100V.	- 2 Inputs (see note 1):	
- Distortion:	Below 1%.	MIC2 - MIC3 (XLR) - symmetric (5 mV-250 mV / 600 Ω) with gain setting and phantom 48V.	
- Passant band:	50 Hz. to 15 Khz. (+/-2dB).	MIC2 - MIC3 (JACK-6 mm.- asymmetric (5 mV / 600 Ω).	
- Tone control:	Bass: 100 Hz. ± 10 dB.	MIC2 Line - MIC3 Line (2xRCA - asymmetric (775mV / 10K Ω).	
	Treble: 10 KHz. ± 10 dB.	<i>Note 1:</i>	
- Crosstalk:	Mic: 80 dB. / Aux: 85 dB.	<i>The inputs MIC 2 and MIC 3 had each one, and independent volume in the front panel.</i>	
- Signal - noise ratio:	Mic 1, 2, 3: 66 dB.	<i>In this inputs you can use either the connection balanced microphone (XLR), asymmetric microphone (JACK) or asymmetric line microphone (RCA) but not the 3 at the same time.</i>	
	Aux 1, 2: 80 dB.	- 2 Auxiliary inputs (350 mV / 10K Ω):	AUX 1 - AUX 2 (2xRCA - asymmetric).
- Energy supply:	230 VAC (50/60 Hz).	- 1 EMERGENCY input (750 mV / 10K Ω):	EMC (terminal strip - asymmetric).
- Maximum consumption:	200 W.	- 1 SIGNAL output (775mV):	MIX OUT (2xRCA - asymmetric).
- Dimensions:	484 x 88 x 360 mm. (2 U).		
- Weight:	9,35 Kgs.		

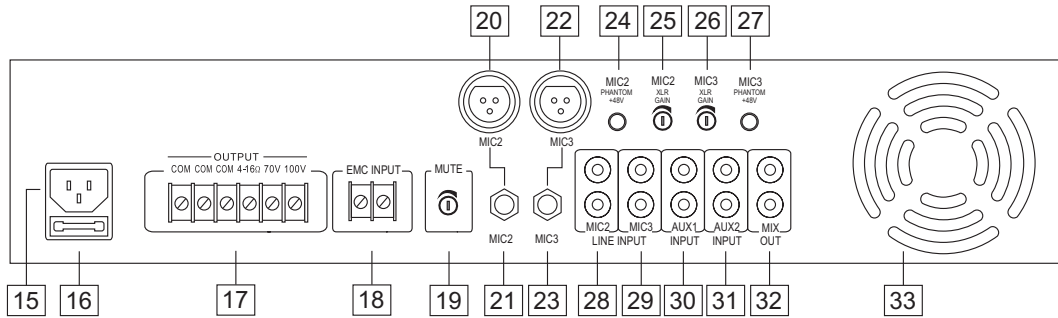
PRIORITIES: MIC 1 over the rest of the inputs, for audio level activation (VOX) MUTE adjustment (0 to 30 dB)
EMC on the other inputs (except to MIC1)

FRONT CONTROLS



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|------------------------|-------------------------|-------------------------|----------------------------|
| 1 - Start switch. | 5 - Vumeter modulation. | 9 - Vol. Aux 1 | 13 - Vol. Master |
| 2 - On pilot. | 6 - Vol. Micro 1 | 10 - Vol. Aux 2 | 14 - Micro 1 (Jack) input. |
| 3 - Temperature pilot. | 7 - Vol. Micro 2 | 11 - Bass adjustment. | |
| 4 - Protection pilot. | 8 - Vol. Micro 3 | 12 - Treble adjustment. | |

REAR CONNECTIONS

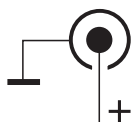


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|--|--|
| 15 - Energy input (230 VAC) | 25 - Gain setting - Mic 2 (XLR) |
| 16 - AC Fuse - T3,15A | 26 - Gain setting - Mic 3 (XLR) |
| 17 - Speaker output (4-16Ω / L100V-L70,7V.) | 27 - Phantom selector - Micro 3 |
| 18 - EMC asymmetric input | 28 - Line Micro 2 (RCA) input asymmetric - see note 1. |
| 19 - MUTE. Attenuation adjustment, priority Mic 1 | 29 - Line Micro 3 (RCA) input asymmetric - see note 1. |
| 20 - Micro 2 (XLR) input symmetric - see note 1. | 30 - Aux 2 (RCA) input asymmetric |
| 21 - Micro 2 (Jack) input asymmetric - see note 1. | 31 - Aux 3 (RCA) input asymmetric |
| 22 - Micro 3 (XLR) input symmetric - see note 1. | 32 - Signal output asymmetric 0 dBm. (RCA) |
| 23 - Micro 3 (Jack) input asymmetric - see note 1. | 33 - Ventilation grille |
| 24 - Phantom selector - Micro 2 | |

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CONNECTOR CONNECTIONS

RCA
(Asymmetric connection)



XLR
(Balanced connection)



JACK
(Asymmetric connection)

