

AUDIO TELEX SA 120 MIXER AMPLIFIER



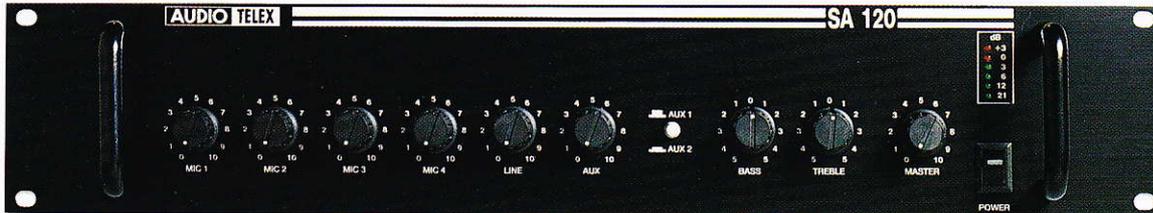
SA 120

MIXER AMPLIFIER SA 120

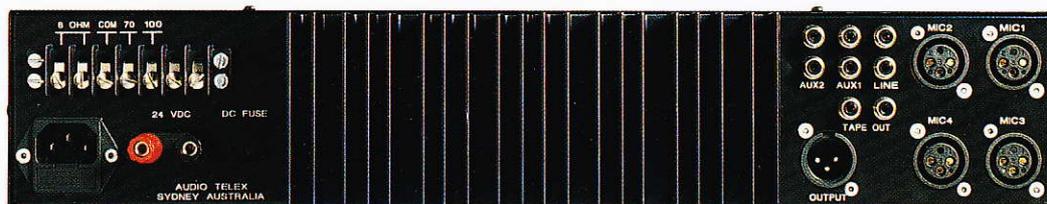
- * AC/DC OPERATION
- * FOUR BALANCED MIC INPUTS
- * TWO AUX INPUTS
- * ONE LINE INPUT
- * 600 OHM BALANCED OUTPUT

The SA Series mixer amplifiers are audio system amplifiers for high performance sound reinforcement systems. They are equipped with external heat sinks to ensure maximum cooling. The front panel is made from an aluminium extrusion, providing strong support when the amplifier is rack mounted. The SA Series are compact, with a maximum rack height of 88mm. They have rubber feet to enable them to be table/desk mounted and handles to facilitate rack mounting in a standard 482mm width equipment rack.

Equipped with four XLR balanced microphone inputs, one line input (which is ideal for high output devices such as cd players and background music sources) and two auxiliary inputs, (selectable by means of a push button on the front panel of the amplifier), the SA Series meet the heavy demands of Australian Sound Contractors for reliability under a wide range of ambient temperatures and load conditions.



FRONT VIEW



REAR VIEW

TECHNICAL FEATURES

Overload protection for the output transistors. • Three pin IEC mains connector with built in mains fuse. • Four XLR balanced microphone inputs. • Two selectable auxiliary inputs. • One line input. • Tape recorder output by means of dual RCA phone sockets. • Balanced XLR output socket (male) with up to 700mv output.

FRONT PANEL CONTROLS

MICROPHONES; Four gain controls, one for each microphone channel.

AUX INPUT One gain control

LINE INPUT one gain control

AUX SWITCH; Two position selects for aux. input

TONE CONTROL; Separate bass and treble controls.

MASTER GAIN Overall gain control

ON/OFF SWITCH; Power on / off switch with Led red indication.

OPTIONAL ACCESSORIES

MUTING KIT TX3010 Plug in module provides voice operated muting of all inputs when connected to microphone input one.

TX3011 Line conversion module, converts any balanced mic input to line input sensitivity (250mv)

ISOLATION TRANSFORMER SA4012 Plug in microphone line input transformer, provides a balanced isolated mic input, when plugged into any of the four active balanced microphone inputs, (ideal for long mic lines).

TONE GENERATORS; Four tone generators can be plugged into a socket provided inside the amplifier. A feature of these generators is their automatic muting of all auxiliary inputs, once they are activated.

ATC5227continuous bell tone.

ATC 5230alert tone to AS2220.1

ATC5228pre announce chime

ATC5229evacuation tone to AS2220.1

TECHNICAL SPECIFICATIONS SA 120

POWER OUTPUT(RMS).....	120-watts
MAXIMUM LOAD.....	80 ohms
DISTORTION AT MAX POWER.....	<1.4% thd at 1 khz
DISTORTION at 1 KHZ 80 ohms load, 70 volts.....	0.8% THD
FREQUENCY RESPONSE.....	50 hz to 15khz + - 3dB
SIGNAL TO NOISE RATIO;	
Power Amp only	-83dB
Pre amplifier only.....	-74dB
Preamp + power amp, controls at mid position	-72dB
MICROPHONE INPUT SENSITIVITY.....	0.6mv
AUX INPUT SENSITIVITY.....	250mv
LINE INPUT SENSITIVITY.....	250mv
BASS CONTROL	Boost +12dB Cut -14dB
TREBLE CONTROL	Boost +9.5dB Cut -9dB
TAPE OUTPUT.....	350mv 10k ohms
SPEAKER OUTPUTS.....	100,70 Volts & 8 Ohm
BALANCED OUTPUT	700mv into 10K ohms
POWER SOURCE.....	240 vac or 24 volts dc
DIMENSIONS (mm).....	h 88 w 480 d 330
WEIGHT	12kg
FUSES	AC MAINS 4 amps DC 10 amps (slow blow)

