

IC30

30W, 3 Channel Mixer Amplifier

Description

The IC30 is a 3 channel, 30 watt mixer amplifier designed for both AC and 12 volt DC operation. The amplifier is a self contained compact unit of solid steel construction suitable for table or desk mounting. An optional rack mount kit is also available.

Inputs

The IC30 has three universal inputs, each with separate level controls. Each channel will accept balanced or unbalanced microphone or a line/auxiliary input. The unit has industry standard XLR microphone sockets and a single RCA socket for each channel.

Outputs

The IC30 features 100 volt, 70 volt & 4 ohm isolated transformer outputs. A tape recorder output by means of an RCA is also provided.

Tone Generator

The IC30 will accept the ATC5488, an optional, plug-in four tone generator module. The ATC5488 connects to a 7 pin receptacle inside the amplifier and provides Bell, Pre-announce Chime, Alert Tone (AS2220.1) and Evacuate Tone (AS2220.1). Any of these tones can be activated from a simple contact closure which may be wired to the spare terminals on the rear of the amplifier.

Muting

The IC30 includes a muting facility where channels 2 and 3 are muted when two terminals on the rear panel of the amplifier are shorted. Alternatively, an optional plug-in VOX muting card (TX3010) is available. With the TX3010 installed, signal on input 1 will automatically mute inputs 2 and 3.

Protection

Internal current limiting protects the amplifier from overload and overdrive conditions. Australian Monitor Installation Series amplifiers feature a protection network that provides greater stability and performance. Our amplifiers are recognised worldwide for their reliability and this is due to the extensive levels of current limiting which protect the amplifiers from both overload and overdrive conditions.





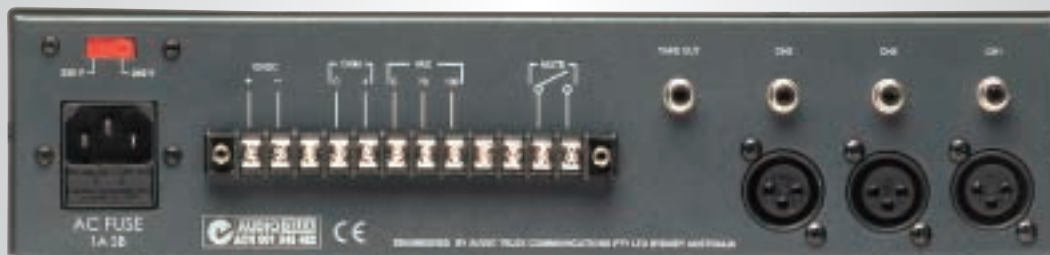
Power Output	30 Watts RMS
Maximum Load	330 Ohms @ 100 Volts
Frequency Response	70Hz - 15kHz (± 3dB)
Total Harmonic Distortion	0.3% @ 1 kHz rated power @ 70 Volts
Signal To Noise Ratio	-68dB with all controls at their centre position
Tone Controls	Bass @ 100Hz: Boost +12dB, Cut -12dB; Treble @ 10kHz: Boost +9dB, Cut -9dB
Inputs	Three mic/aux universal inputs with XLR female mic sockets and RCA aux sockets
Input Sensitivity	Mic: 1.5mV @ 200 Ohms; Aux: 75mV @ 47K Ohms
Outputs	Speaker: 100, 70 Volts, 4 Ohms; Tape: 400mV @ 10K Ohms
Controls	3 Input channel gain controls, 1 Bass control, 1 Treble control
Metering/Indicators	Power "on" LED
Power Sources	AC: 230/240V - 50Hz, 110V - 60Hz (special) 3 pin IEC connector; DC: 12 Volts
Power Consumption	60 Watts (maximum)
Protection	Overdrive protection
Dimensions/Weight	76mm H x 303mm W x 180mm D (Chassis dimensions only). 8kg
Rack Mounting	Optional IC30RMK rack mount kit
Tone Generator	Optional four tone module ATC5488
Muting	Shorting muting facility included or optional VOX muting module TX3010

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The mixer amplifier shall have three universal inputs each comprising of a balanced microphone with XLR female sockets and auxiliary input using single RCA sockets.

The amplifier master section shall include three channel level controls, two EQ controls, one with 12dB of cut and boost at 100Hz and the other with 9dB of cut and boost at 10kHz. Speaker outputs shall be transformer isolated at 100 volt, 70 volt & 4 ohms. The amplifier must be capable of delivering 30 watts RMS into a 330 inductive ohm load, with less no more than 0.3% distortion measured at 1kHz @ 70 volts and with system hum and noise at less than -68dB. The amplifier shall be capable of operating on mains power and 12V DC.

The amplifier shall be an Australian Monitor Installation Series model IC30.



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