

IC30

AUDIO TELEX
COMMUNICATIONS PTY LTD



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 un-balanced microphone or a line/auxiliary input. The unit has industry standard XLR microphone sockets and a single RCA Phono 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 Phono socket 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.



Quality
Endorsed
Company
QEC#2143-01

IC30 Specifications

Power Output

30 watts RMS

Maximum Load

330 Ohms @ 100 Volts

Frequency Response

70Hz-15kHz (+/-3dB)

THD

0.3% @ 1 kHz rated power @ 70 volts

Inputs

Three mic/aux universal inputs with XLR female mic sockets and RCA Phono aux sockets.

Tone Controls

Bass @ 100Hz Boost +12dB, Cut -12dB

Treble @ 10kHz Boost + 9dB, Cut -9dB

S/N Ratio

-68dB with all controls at their centre position.

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" neon

Protection

Overdrive protection

Dimensions/Weight

76mm H x 303mm W x 180mm D (Chassis dimensions only). 8kg

Power Sources

AC: 240v-50Hz, 110v-60Hz (special) 3 pin IEC connector

DC: 12 volts

Power Consumption

60 watts (maximum)

Rack Mounting

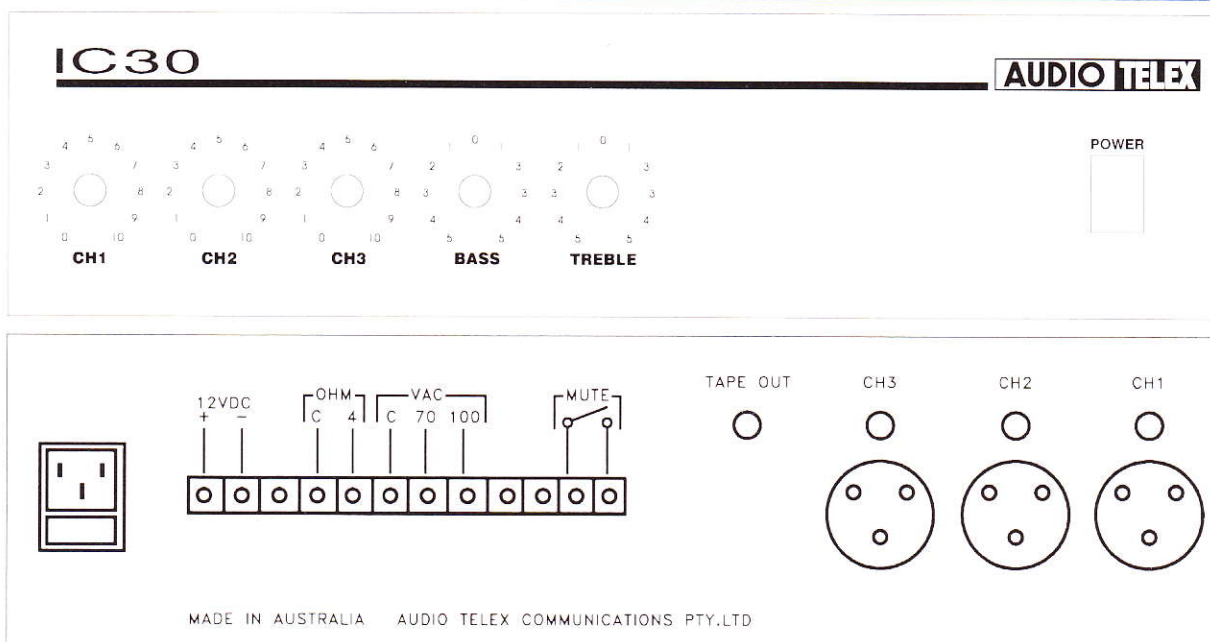
Optional IC30RMK Rack mount kit

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 Phono 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 1 kHz @ 70 volts and with system hum and noise at less than -68dB. The amplifier shall be capable of operating on 240 VAC and 12 VDC.

The amplifier shall be an Audio Telex model IC30, manufactured in Australia.