

McIntosh[®]

STEREO POWER AMPLIFIER

MC 7106 . . . made in U.S.A.



MC 7106 SIX CHANNEL POWER AMPLIFIER

FEATURES AND BENEFITS

Six 100 Watt Amplifier Channels On A Single Chassis

A perfect power amplifier for use in systems with multiple amplifier requirements such as zone amplifiers in a remote area system. The MC7106 will also be certified for use in Home THX® Audio Systems.

Two Pairs Of Channels Can Be Bridged

Channels one and two, and five and six can be switched into bridged configuration. You have the choice of six 100 watt channels, four 100 watt channels and one 300 watt channel or two 100 watt channels and two 300 watt channels. Each amplifier channel has a maximum of 18 amperes peak output current. There is a configuration to match virtually every multi amplifier requirement.

Six LED Power Output Level Indicators

A separate LED Output Power Level In-

dicator is provided for each of the six amplifier channels.

Home THX® Audio System

A 25 pin computer type connector on the rear panel will accept signals from a Preamplifier or Tuner-Preamplifier with Home THX® Audio System circuits. The Home THX® Audio System is a licensing program of LucasArts Entertainment Company, which defines new technologies and quality standards for accuracy in home theaters..

McIntosh Power Guard

The MC7106 includes the exclusive McIntosh patented POWER GUARD circuit. This circuit prevents the harsh sounds and possible speaker damage caused by amplifier overdrive and clipping.

Ultra Low Distortion

The MC7106 distortion levels are so low that exact measurements are difficult

with even the finest distortion analyzers. The performance limit for distortion is a very low 0.005%, but the MC7106 will typically read as low as 0.002% at mid frequencies into an 8 ohm load.

DC Output Protection

A special circuit will turn off the speakers for any pair of amplifier channels that for some reason develop a DC voltage at either of the speaker terminals. This prevents the possibility of any damage to the speakers.

Thermal Protection

If any of the three pairs of amplifier channels are improperly loaded or the amplifier is not ventilated properly, thermal sensors will turn off the speakers of the pair of channels affected. This prevents the possibility of the amplifier being damaged by overheating.

THX® is a trademark of LucasArts Entertainment Company

SPECIFICATIONS

PERFORMANCE LIMITS

POWER OUTPUT, SIX CHANNELS

150 watts per channel into 4 ohm loads or 100 watts per channel into 8 ohm loads minimum sine wave continuous average power output per channel, all channels operating.

The output RMS voltage is:

28.3 volts across 8 ohms

24.5 volts across 4 ohms

BRIDGED CHANNELS

300 watts into an 8 ohm load, minimum sine wave continuous power output.

The output RMS voltage is:

49 volts across 8 ohms

Two of the three pairs of amplifier channels can be connected for bridged operation.

OUTPUT LOAD IMPEDANCE

8 or 4 ohms

BRIDGED

8 ohms

RATED POWER BAND

20Hz to 20,000Hz

TOTAL HARMONIC DISTORTION

0.005% maximum harmonic distortion at any power level from 250 milliwatts to rated power output.

IHF DYNAMIC HEADROOM

8 ohms, 1.7dB

4 ohms, 2.1dB

FREQUENCY RESPONSE

+0, -0.25dB from 20Hz to 20,000Hz

+0, -3.0dB from 10Hz to 100,000Hz

INPUT SENSITIVITY

1 volt; (2.5 volts with level control at center detent)

A-WEIGHTED SIGNAL-TO-NOISE-RATIO

95dB (115dB below rated output)

INTERMODULATION DISTORTION, SMPTE

0.005% maximum if instantaneous peak power output does not exceed twice the output power rating.

RATINGS

WIDE BAND DAMPING FACTOR

8 ohms, 200

4 ohms, 100

INPUT IMPEDANCE

20,000 ohms

POWER GUARD

Clipping is prevented and THD does not exceed 2% with up to 14dB overdrive at 1000Hz.

POWER REQUIREMENTS

120 volts, 50/60Hz, 12 amperes UL/CSA

MECHANICAL

SIZE

Front panel: 17 1/2 inches (44.5cm) wide by 7 1/8 inches (18.1cm) high by 17 1/2 inches (44.5cm) deep (from back of front panel), including clearance for connectors. Panel clearance required in front of the mounting surface is 1 inch (2.54cm).

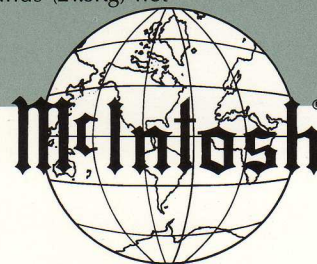
FINISH

Glass with special gold/teal nomenclature illumination. Chassis and chassis cover are black.

WEIGHT (PRELIMINARY)

48 pounds (21.8Kg) net

Franchised Dealer



McINTOSH LABORATORY INC.
2 CHAMBERS ST., BINGHAMTON, NY 13903-2699
607-723-3512

Copyright 1992 © by McIntosh Laboratory Inc.
Printed in the U.S.A.

The continuous improvement of its products is the policy of McIntosh Laboratory Incorporated who reserve the right to improve design without notice.

039943